

Permissible radial and axial forces at output

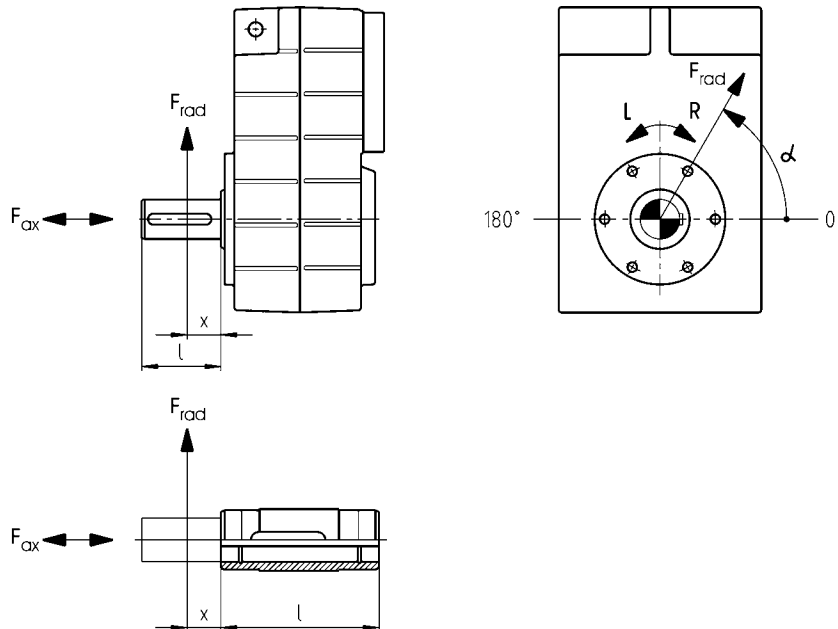
Permissible radial force

$$F_{rad,per} = \min(f_w \times f_\alpha \times F_{rad,max} ; f_w \times F_{rad,max} \text{ at } n_2 \leq 16 \text{ r/min})$$

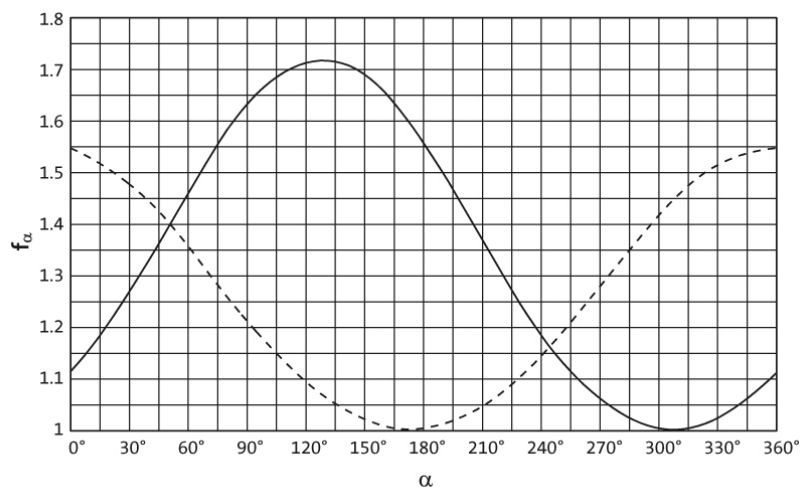
Permissible axial force

$$F_{ax,per} = F_{ax,max} \text{ if } F_{rad} = 0$$

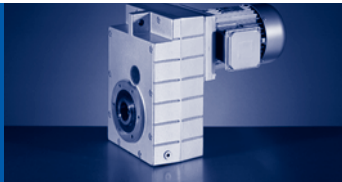
If F_{rad} and $F_{ax} \neq 0$; please contact Lenze.



Effective direction factor f_α at output shaft



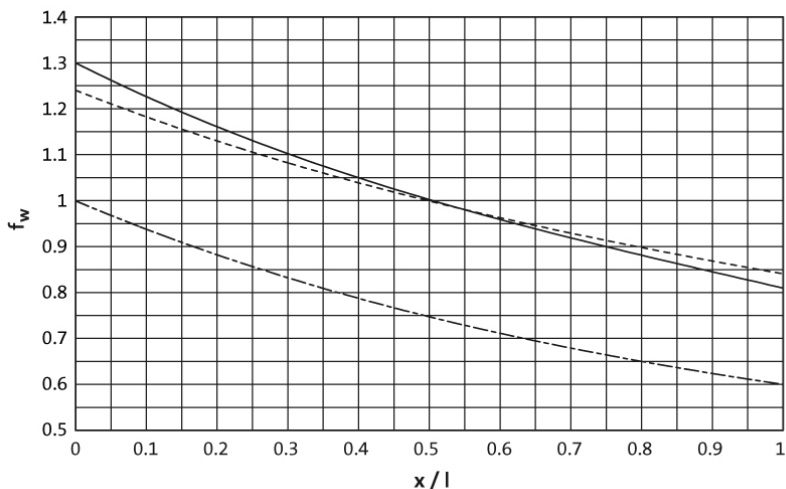
— Direction of rotation R
- - - Direction of rotation L



GFL

GFL [N] - forces

Additional load factor f_w at output shaft



— Solid shaft (V□□)

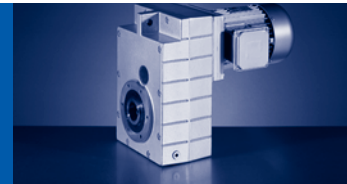
- - - Solid shaft with flange (V□K)

- · - Hollow shaft (H□□)

GFL□□-2/3□ H□□

Size	n_2 [r/min]									
Gearbox	1000	630	400	250	160	100	63	40	25	≤16
Max. radial force, Hollow shaft										
	$F_{rad,max}$	$F_{rad,max}$	$F_{rad,max}$	$F_{rad,max}$	$F_{rad,max}$	$F_{rad,max}$	$F_{rad,max}$	$F_{rad,max}$	$F_{rad,max}$	$F_{rad,max}$
	[N]	[N]	[N]	[N]	[N]	[N]	[N]	[N]	[N]	[N]
GFL04	2100	2700	2800	3200	3800	4600	5500	6300	7000	7000
GFL05	1800	2400	3000	3400	4100	5000	6000	7100	8000	8000
GFL06	2400	3300	4300	4700	5000	6600	8500	10800	12000	12000
GFL07	2200	3400	4500	5100	6400	7900	9300	11500	15000	16000
GFL09			5000	6000	7200	10500	13000	15000	22000	24000
GFL11			7300	8700	10000	14200	19000	23000	27000	30000
GFL14			8000	9000	9500	11500	14000	18000	30000	45000
Max. axial force, Hollow shaft										
	$F_{ax,max}$	$F_{ax,max}$	$F_{ax,max}$	$F_{ax,max}$	$F_{ax,max}$	$F_{ax,max}$	$F_{ax,max}$	$F_{ax,max}$	$F_{ax,max}$	$F_{ax,max}$
	[N]	[N]	[N]	[N]	[N]	[N]	[N]	[N]	[N]	[N]
GFL04	1300	1700	2200	2600	3200	4200	5300	5500	5500	5500
GFL05	1600	2200	2800	3600	4200	5900	6600	6600	6600	6600
GFL06	2400	3200	4000	5200	6000	8500	10000	10000	10000	10000
GFL07	2000	2700	3400	4700	6000	8500	12000	14000	14000	14000
GFL09			3100	4200	5800	10000	13500	17000	21000	21000
GFL11			4700	6000	7500	14000	19000	25000	27000	27000
GFL14			4000	5000	6200	7500	11000	17500	31000	35000

- ▶ Application of force F_{rad} : at hollow shaft end face ($x = 0$)
- ▶ $F_{ax,max}$ only valid with $F_{rad} = 0$
- ▶ Neither radial nor axial forces are permissible for the hollow shaft with shrink disc (S□□).

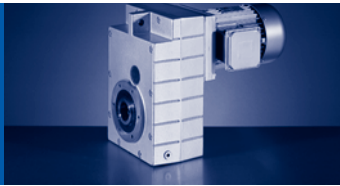


GFL□□-2/3□ V□R

Size	n ₂ [r/min]									
Gearbox	1000	630	400	250	160	100	63	40	25	≤16
Max. radial force, Solid shaft without flange										
	F _{rad,max}	F _{rad,max}	F _{rad,max}	F _{rad,max}	F _{rad,max}	F _{rad,max}	F _{rad,max}	F _{rad,max}	F _{rad,max}	F _{rad,max}
	[N]	[N]	[N]	[N]	[N]	[N]	[N]	[N]	[N]	[N]
GFL04	1650	2100	2300	2700	3200	3600	3600	3600	3600	3600
GFL05	1400	1900	2400	2700	3200	4000	4800	5800	6200	6200
GFL06	1850	2500	3200	3600	3900	5100	6500	8400	9000	9000
GFL07	1650	2600	3200	3600	3900	5100	6500	8400	9000	9000
GFL09¹⁾			3800	4400	5500	8000	10000	12000	18000	18000
GFL11¹⁾			5500	6300	7300	11200	14500	17400	20500	23000
GFL14			47000	54000	62000	65000	65000	65000	65000	65000
Max. axial force, Solid shaft without flange										
	F _{ax,max}	F _{ax,max}	F _{ax,max}	F _{ax,max}	F _{ax,max}	F _{ax,max}	F _{ax,max}	F _{ax,max}	F _{ax,max}	F _{ax,max}
	[N]	[N]	[N]	[N]	[N]	[N]	[N]	[N]	[N]	[N]
GFL04	1300	1700	2200	2600	3200	4200	5300	5500	5500	5500
GFL05	1600	2200	2800	3600	4200	5900	6600	6600	6600	6600
GFL06	2400	3200	4000	5200	6000	8500	10000	10000	10000	10000
GFL07	2000	2700	3400	4700	6000	8500	12000	14000	14000	14000
GFL09¹⁾			3100	4200	5800	10000	13500	17000	21000	21000
GFL11¹⁾			4700	6000	7500	14000	19000	25000	27000	27000
GFL14			25000	27000	29000	32000	35000	35000	35000	35000

¹⁾ Reinforced output shaft bearings are available on request for V□R versions.

- Application of force F_{rad}: centre of shaft journal (x = l/2)
- F_{ax,max} only valid with F_{rad} = 0



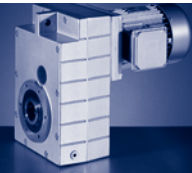
GFL

GFL [N] - forces

GFL□□-2/3□ V□K

Size	n ₂ [r/min]									
Gearbox	1000	630	400	250	160	100	63	40	25	≤16
Max. radial force, Solid shaft with flange										
	F _{rad,max}	F _{rad,max}	F _{rad,max}	F _{rad,max}	F _{rad,max}	F _{rad,max}	F _{rad,max}	F _{rad,max}	F _{rad,max}	F _{rad,max}
	[N]	[N]	[N]	[N]	[N]	[N]	[N]	[N]	[N]	[N]
GFL04	2300	2800	3200	3700	4400	4600	4600	4600	4600	4600
GFL05	2900	3700	4300	5100	5900	6800	7000	7000	7000	7000
GFL06	4000	5000	6100	7000	7800	9600	10000	10000	10000	10000
GFL07	4000	5200	6400	7400	8900	10500	12000	13000	14000	14000
GFL09			7800	9000	10500	14000	15000	15000	15000	15000
GFL11			12500	14500	17000	21500	26000	30000	30000	30000
GFL14			18000	20000	23000	27500	32000	38000	43000	43000
Max. axial force, Solid shaft with flange										
	F _{ax,max}	F _{ax,max}	F _{ax,max}	F _{ax,max}	F _{ax,max}	F _{ax,max}	F _{ax,max}	F _{ax,max}	F _{ax,max}	F _{ax,max}
	[N]	[N]	[N]	[N]	[N]	[N]	[N]	[N]	[N]	[N]
GFL04	1300	1700	2200	2600	3200	4200	4400	4400	4400	4400
GFL05	1800	2400	3100	3900	4800	6400	6600	6600	6600	6600
GFL06	2500	3400	4300	5500	6500	8500	10000	10000	10000	10000
GFL07	3600	4800	6100	6500	7000	9500	11500	11500	11500	11500
GFL09			6100	6500	7000	9500	11500	11500	11500	11500
GFL11			6800	8500	10500	17000	22000	27000	27000	27000
GFL14			6000	8000	10000	13000	19000	26000	35000	35000

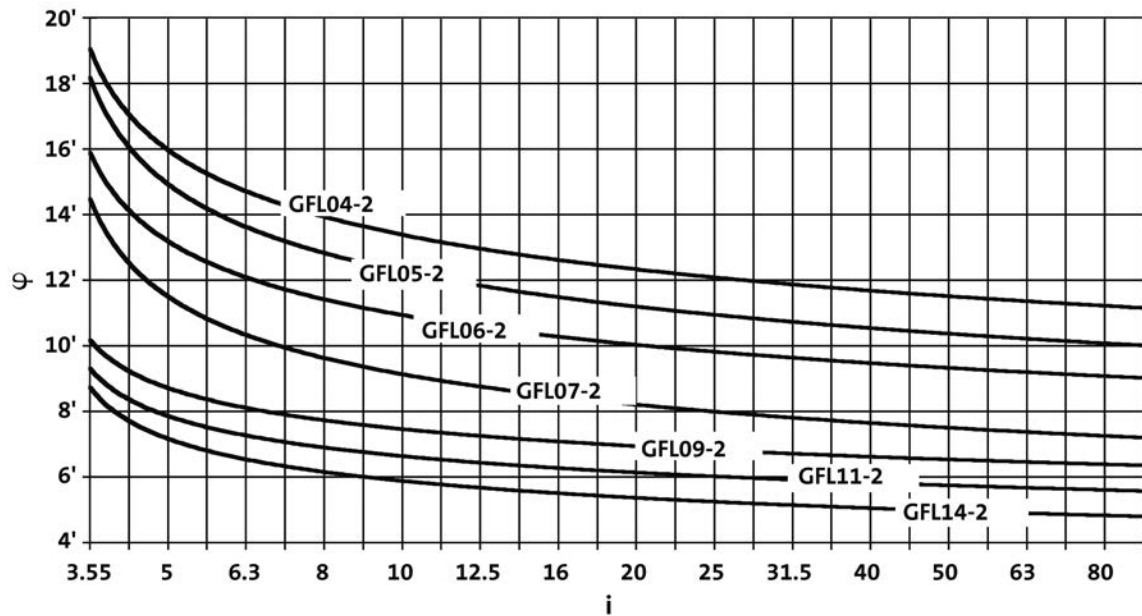
- ▶ Application of force F_{rad}: centre of shaft journal (x = l/2)
- ▶ F_{ax,max} only valid with F_{rad} = 0



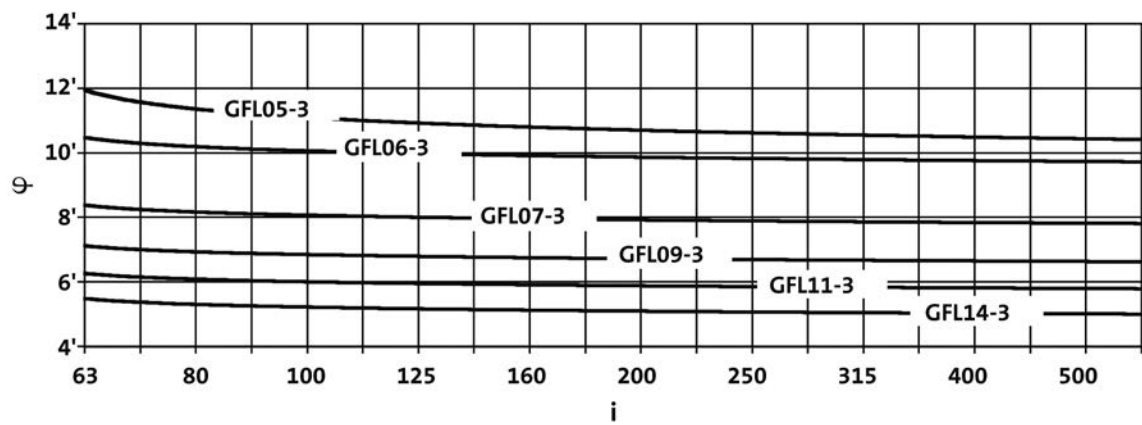
Output backlash in angular minutes

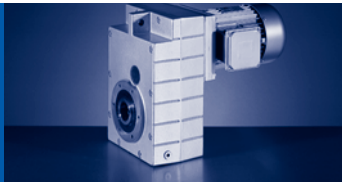
- Backlash φ depending on ratio i

GFL04...14-2



GFL04...14-3





GFL

GFL [kgcm²] - moments of inertia

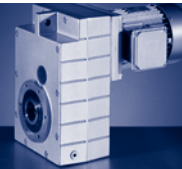
GFL□□-2

- Moment of inertia (J) depending on ratio i

Gearbox			GFL04
3.659	J	[kgcm ²]	1.510
5.018	J	[kgcm ²]	0.858
5.833	J	[kgcm ²]	0.925
6.422	J	[kgcm ²]	0.555
7.025	J	[kgcm ²]	0.473
8.379	J	[kgcm ²]	0.666
9.333	J	[kgcm ²]	0.613
10.238	J	[kgcm ²]	0.366
11.491	J	[kgcm ²]	0.410
12.800	J	[kgcm ²]	0.382
14.706	J	[kgcm ²]	0.282
16.087	J	[kgcm ²]	0.245
17.920	J	[kgcm ²]	0.230
20.519	J	[kgcm ²]	0.171
22.857	J	[kgcm ²]	0.163
25.136	J	[kgcm ²]	0.129
28.000	J	[kgcm ²]	0.123
31.600	J	[kgcm ²]	0.086
35.200	J	[kgcm ²]	0.082
40.697	J	[kgcm ²]	0.058
45.333	J	[kgcm ²]	0.056
51.579	J	[kgcm ²]	0.038
57.455	J	[kgcm ²]	0.037
64.636	J	[kgcm ²]	0.026
72.000	J	[kgcm ²]	0.025
85.156	J	[kgcm ²]	0.016
94.857	J	[kgcm ²]	0.015

Gearbox			GFL05
3.333	J	[kgcm ²]	1.677
4.571	J	[kgcm ²]	2.133
5.133	J	[kgcm ²]	2.372
5.667	J	[kgcm ²]	2.329
6.400	J	[kgcm ²]	0.822
7.040	J	[kgcm ²]	1.470
7.771	J	[kgcm ²]	1.450
9.010	J	[kgcm ²]	0.951
9.946	J	[kgcm ²]	0.885
11.360	J	[kgcm ²]	1.082
12.800	J	[kgcm ²]	1.012
14.538	J	[kgcm ²]	0.746
15.904	J	[kgcm ²]	0.603
17.920	J	[kgcm ²]	0.609
20.286	J	[kgcm ²]	0.428
22.857	J	[kgcm ²]	0.434
24.850	J	[kgcm ²]	0.345
28.000	J	[kgcm ²]	0.331
32.344	J	[kgcm ²]	0.204
36.444	J	[kgcm ²]	0.195
40.233	J	[kgcm ²]	0.148
45.333	J	[kgcm ²]	0.142
52.067	J	[kgcm ²]	0.093
58.667	J	[kgcm ²]	0.090
63.190	J	[kgcm ²]	0.068
71.200	J	[kgcm ²]	0.064
80.763	J	[kgcm ²]	0.043
91.000	J	[kgcm ²]	0.042

- The moments of inertia relate to the drive shaft of the gearbox.
- The total moment of inertia is calculated by adding the values of gearbox, motor and accessories.



► Moment of inertia (J) depending on ratio i

Gearbox			GFL06
3.675	J	[kgcm ²]	7.755
5.211	J	[kgcm ²]	6.636
5.750	J	[kgcm ²]	6.044
6.450	J	[kgcm ²]	3.651
7.147	J	[kgcm ²]	4.044
8.400	J	[kgcm ²]	4.264
9.463	J	[kgcm ²]	3.879
10.092	J	[kgcm ²]	2.520
11.520	J	[kgcm ²]	1.730
12.978	J	[kgcm ²]	2.610
14.743	J	[kgcm ²]	1.950
16.128	J	[kgcm ²]	1.680
18.169	J	[kgcm ²]	1.570
20.571	J	[kgcm ²]	1.190
23.175	J	[kgcm ²]	1.130
25.200	J	[kgcm ²]	0.904
28.389	J	[kgcm ²]	0.861
32.800	J	[kgcm ²]	0.581
36.951	J	[kgcm ²]	0.556
40.800	J	[kgcm ²]	0.425
45.963	J	[kgcm ²]	0.407
52.800	J	[kgcm ²]	0.264
59.481	J	[kgcm ²]	0.251
64.080	J	[kgcm ²]	0.193
72.189	J	[kgcm ²]	0.187
81.000	J	[kgcm ²]	0.125
91.250	J	[kgcm ²]	0.121

Gearbox			GFL07
3.350	J	[kgcm ²]	19.570
4.643	J	[kgcm ²]	11.988
5.159	J	[kgcm ²]	11.120
5.695	J	[kgcm ²]	18.094
6.400	J	[kgcm ²]	9.831
7.150	J	[kgcm ²]	11.878
8.324	J	[kgcm ²]	13.113
9.379	J	[kgcm ²]	12.037
9.714	J	[kgcm ²]	8.030
11.538	J	[kgcm ²]	8.520
13.000	J	[kgcm ²]	7.970
14.200	J	[kgcm ²]	6.350
15.904	J	[kgcm ²]	5.270
17.920	J	[kgcm ²]	4.980
20.286	J	[kgcm ²]	3.470
22.857	J	[kgcm ²]	3.268
24.850	J	[kgcm ²]	2.645
28.000	J	[kgcm ²]	2.525
32.344	J	[kgcm ²]	1.690
36.444	J	[kgcm ²]	1.610
39.642	J	[kgcm ²]	1.250
44.667	J	[kgcm ²]	1.200
52.067	J	[kgcm ²]	0.783
58.667	J	[kgcm ²]	0.753
63.190	J	[kgcm ²]	0.573
71.200	J	[kgcm ²]	0.555
79.875	J	[kgcm ²]	0.366
90.000	J	[kgcm ²]	0.358

- The moments of inertia relate to the drive shaft of the gearbox.
- The total moment of inertia is calculated by adding the values of gearbox, motor and accessories.

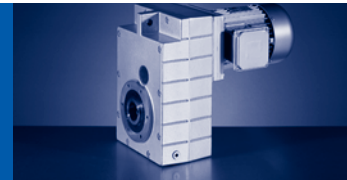
► Moment of inertia (J) depending on ratio i

Gearbox			GFL09
6.864	J	[kgcm ²]	41.300
7.466	J	[kgcm ²]	38.700
9.010	J	[kgcm ²]	26.800
9.799	J	[kgcm ²]	25.300
11.167	J	[kgcm ²]	19.500
12.307	J	[kgcm ²]	27.600
14.333	J	[kgcm ²]	20.000
16.333	J	[kgcm ²]	15.500
18.407	J	[kgcm ²]	14.600
19.667	J	[kgcm ²]	12.100
22.164	J	[kgcm ²]	11.300
24.111	J	[kgcm ²]	9.040
27.173	J	[kgcm ²]	8.630
32.667	J	[kgcm ²]	5.430
36.815	J	[kgcm ²]	5.210
39.667	J	[kgcm ²]	4.070
44.704	J	[kgcm ²]	3.920
51.333	J	[kgcm ²]	2.590
57.852	J	[kgcm ²]	2.500
62.300	J	[kgcm ²]	1.890
70.211	J	[kgcm ²]	1.830
78.750	J	[kgcm ²]	1.250
88.750	J	[kgcm ²]	1.210

Gearbox			GFL11
6.864	J	[kgcm ²]	124.000
7.466	J	[kgcm ²]	116.000
9.010	J	[kgcm ²]	79.600
9.799	J	[kgcm ²]	74.800
10.720	J	[kgcm ²]	65.000
12.480	J	[kgcm ²]	81.500
14.538	J	[kgcm ²]	58.400
15.904	J	[kgcm ²]	51.300
17.920	J	[kgcm ²]	48.300
20.286	J	[kgcm ²]	36.100
22.857	J	[kgcm ²]	34.300
24.850	J	[kgcm ²]	26.900
28.000	J	[kgcm ²]	25.700
32.739	J	[kgcm ²]	17.100
36.889	J	[kgcm ²]	16.500
40.233	J	[kgcm ²]	12.600
45.333	J	[kgcm ²]	12.200
52.067	J	[kgcm ²]	8.080
58.667	J	[kgcm ²]	7.810
63.190	J	[kgcm ²]	5.900
71.200	J	[kgcm ²]	5.720
79.875	J	[kgcm ²]	3.870
90.000	J	[kgcm ²]	3.760

Gearbox			GFL14
7.150	J	[kgcm ²]	344.000
7.777	J	[kgcm ²]	321.000
8.800	J	[kgcm ²]	247.000
9.571	J	[kgcm ²]	232.000
11.538	J	[kgcm ²]	242.000
13.000	J	[kgcm ²]	225.000
14.200	J	[kgcm ²]	625.000
15.620	J	[kgcm ²]	156.000
17.600	J	[kgcm ²]	146.000
19.948	J	[kgcm ²]	111.000
22.476	J	[kgcm ²]	105.000
24.456	J	[kgcm ²]	83.200
27.556	J	[kgcm ²]	79.400
32.344	J	[kgcm ²]	52.900
36.444	J	[kgcm ²]	50.700
39.642	J	[kgcm ²]	38.000
44.667	J	[kgcm ²]	36.600
52.067	J	[kgcm ²]	24.600
58.667	J	[kgcm ²]	23.800
63.190	J	[kgcm ²]	18.000
71.200	J	[kgcm ²]	17.400
79.875	J	[kgcm ²]	11.800
90.000	J	[kgcm ²]	11.500

- The moments of inertia relate to the drive shaft of the gearbox.
- The total moment of inertia is calculated by adding the values of gearbox, motor and accessories.



GFL□□-3

- Moment of inertia (J) depending on ratio i

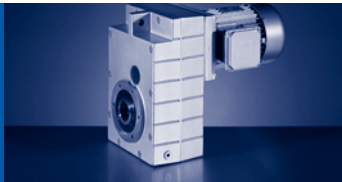
Gearbox			GFL05
61.653	J	[kgcm ²]	0.202
78.639	J	[kgcm ²]	0.145
90.123	J	[kgcm ²]	0.197
101.547	J	[kgcm ²]	0.196
114.952	J	[kgcm ²]	0.142
129.524	J	[kgcm ²]	0.141
140.817	J	[kgcm ²]	0.109
158.667	J	[kgcm ²]	0.109
177.027	J	[kgcm ²]	0.073
199.467	J	[kgcm ²]	0.073
227.989	J	[kgcm ²]	0.051
256.889	J	[kgcm ²]	0.050
288.948	J	[kgcm ²]	0.033
325.576	J	[kgcm ²]	0.033
362.100	J	[kgcm ²]	0.023
408.000	J	[kgcm ²]	0.023
477.052	J	[kgcm ²]	0.014
537.524	J	[kgcm ²]	0.014

Gearbox			GFL06
66.213	J	[kgcm ²]	0.292
72.000	J	[kgcm ²]	0.264
81.111	J	[kgcm ²]	0.259
88.200	J	[kgcm ²]	0.190
99.361	J	[kgcm ²]	0.187
116.571	J	[kgcm ²]	0.091
131.323	J	[kgcm ²]	0.208
144.320	J	[kgcm ²]	0.110
162.583	J	[kgcm ²]	0.109
179.520	J	[kgcm ²]	0.102
202.237	J	[kgcm ²]	0.101
231.200	J	[kgcm ²]	0.068
260.457	J	[kgcm ²]	0.067
293.018	J	[kgcm ²]	0.044
299.200	J	[kgcm ²]	0.064
367.200	J	[kgcm ²]	0.030
413.667	J	[kgcm ²]	0.030
475.200	J	[kgcm ²]	0.029
535.333	J	[kgcm ²]	0.028
576.720	J	[kgcm ²]	0.028
649.700	J	[kgcm ²]	0.028
759.806	J	[kgcm ²]	0.017
855.954	J	[kgcm ²]	0.017

Gearbox			GFL07
65.306	J	[kgcm ²]	0.790
72.452	J	[kgcm ²]	0.894
81.636	J	[kgcm ²]	0.880
92.413	J	[kgcm ²]	0.609
104.127	J	[kgcm ²]	0.601
113.206	J	[kgcm ²]	0.448
127.556	J	[kgcm ²]	0.442
147.347	J	[kgcm ²]	0.275
166.025	J	[kgcm ²]	0.271
183.285	J	[kgcm ²]	0.194
206.519	J	[kgcm ²]	0.192
224.636	J	[kgcm ²]	0.180
253.111	J	[kgcm ²]	0.179
290.706	J	[kgcm ²]	0.112
327.556	J	[kgcm ²]	0.111
352.811	J	[kgcm ²]	0.081
397.533	J	[kgcm ²]	0.080
430.222	J	[kgcm ²]	0.104
522.133	J	[kgcm ²]	0.075
562.391	J	[kgcm ²]	0.073
633.680	J	[kgcm ²]	0.073
718.786	J	[kgcm ²]	0.047
809.900	J	[kgcm ²]	0.046

Gearbox			GFL09
63.326	J	[kgcm ²]	2.344
73.173	J	[kgcm ²]	2.472
82.465	J	[kgcm ²]	2.428
93.333	J	[kgcm ²]	1.679
105.185	J	[kgcm ²]	1.651
114.333	J	[kgcm ²]	1.230
128.852	J	[kgcm ²]	1.212
148.815	J	[kgcm ²]	0.773
167.712	J	[kgcm ²]	0.762
185.111	J	[kgcm ²]	0.548
208.617	J	[kgcm ²]	0.541
224.778	J	[kgcm ²]	0.505
253.321	J	[kgcm ²]	0.500
290.889	J	[kgcm ²]	0.313
327.827	J	[kgcm ²]	0.310
353.033	J	[kgcm ²]	0.226
397.863	J	[kgcm ²]	0.224
424.247	J	[kgcm ²]	0.286
514.881	J	[kgcm ²]	0.208
554.470	J	[kgcm ²]	0.201
624.879	J	[kgcm ²]	0.200
700.875	J	[kgcm ²]	0.130
789.875	J	[kgcm ²]	0.129

- The moments of inertia relate to the drive shaft of the gearbox.
- The total moment of inertia is calculated by adding the values of gearbox, motor and accessories.



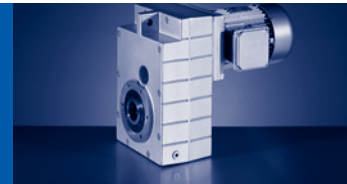
GFL

GFL [kgcm²] - moments of inertia

► Moment of inertia (J) depending on ratio i

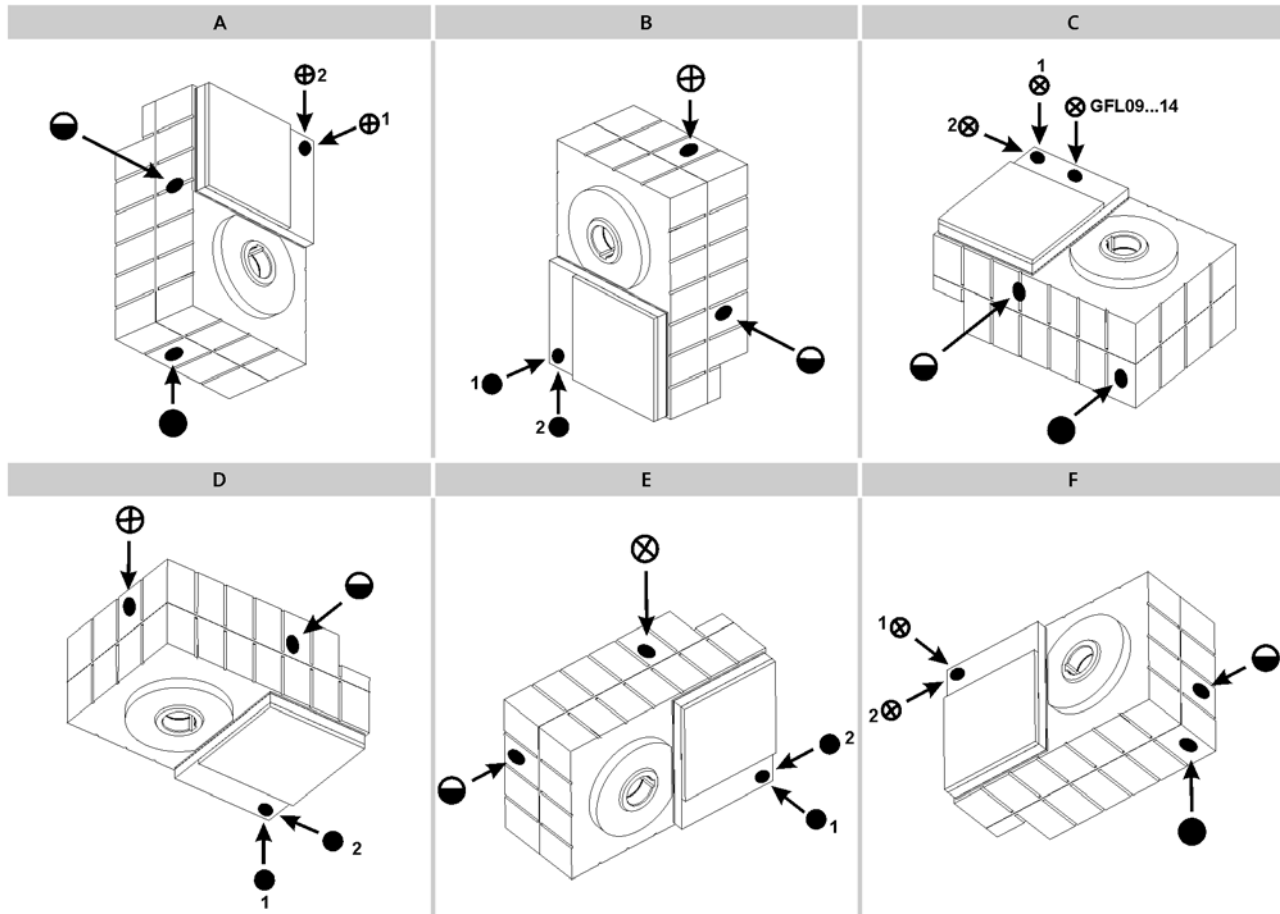
GFL11				GFL14			
Gearbox				Gearbox			
65.306	J	[kgcm ²]	6.967	64.296	J	[kgcm ²]	26.316
73.335	J	[kgcm ²]	7.844	68.708	J	[kgcm ²]	19.862
82.631	J	[kgcm ²]	7.707	77.418	J	[kgcm ²]	19.381
93.540	J	[kgcm ²]	5.050	85.037	J	[kgcm ²]	21.590
105.397	J	[kgcm ²]	4.965	104.889	J	[kgcm ²]	9.324
114.586	J	[kgcm ²]	3.712	114.126	J	[kgcm ²]	8.318
129.111	J	[kgcm ²]	3.656	128.593	J	[kgcm ²]	8.144
149.144	J	[kgcm ²]	2.299	136.889	J	[kgcm ²]	16.779
168.049	J	[kgcm ²]	2.265	156.148	J	[kgcm ²]	5.917
182.792	J	[kgcm ²]	1.661	170.074	J	[kgcm ²]	6.962
205.963	J	[kgcm ²]	1.639	202.074	J	[kgcm ²]	3.692
224.636	J	[kgcm ²]	1.515	224.636	J	[kgcm ²]	4.742
253.111	J	[kgcm ²]	1.501	253.111	J	[kgcm ²]	4.697
267.259	J	[kgcm ²]	1.865	273.778	J	[kgcm ²]	5.759
327.556	J	[kgcm ²]	1.373	332.444	J	[kgcm ²]	4.300
358.077	J	[kgcm ²]	0.679	352.811	J	[kgcm ²]	2.163
403.467	J	[kgcm ²]	0.673	397.533	J	[kgcm ²]	2.145
430.222	J	[kgcm ²]	0.853	430.222	J	[kgcm ²]	2.727
522.133	J	[kgcm ²]	0.623	522.133	J	[kgcm ²]	1.984
562.391	J	[kgcm ²]	0.599	562.391	J	[kgcm ²]	1.910
633.680	J	[kgcm ²]	0.596	633.680	J	[kgcm ²]	1.903
710.888	J	[kgcm ²]	0.385	710.888	J	[kgcm ²]	1.259
801.000	J	[kgcm ²]	0.384	801.000	J	[kgcm ²]	1.254

- The moments of inertia relate to the drive shaft of the gearbox.
- The total moment of inertia is calculated by adding the values of gearbox, motor and accessories.



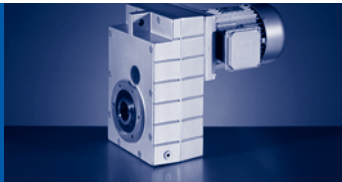
Position of ventilation, sealing elements and oil level check

GFL05...14-2



A ... F Mounting position
⊗ Ventilation / Oil filler plug
● Oil drain plug
⊖ Oil control plug
* On both sides
** On opposite side

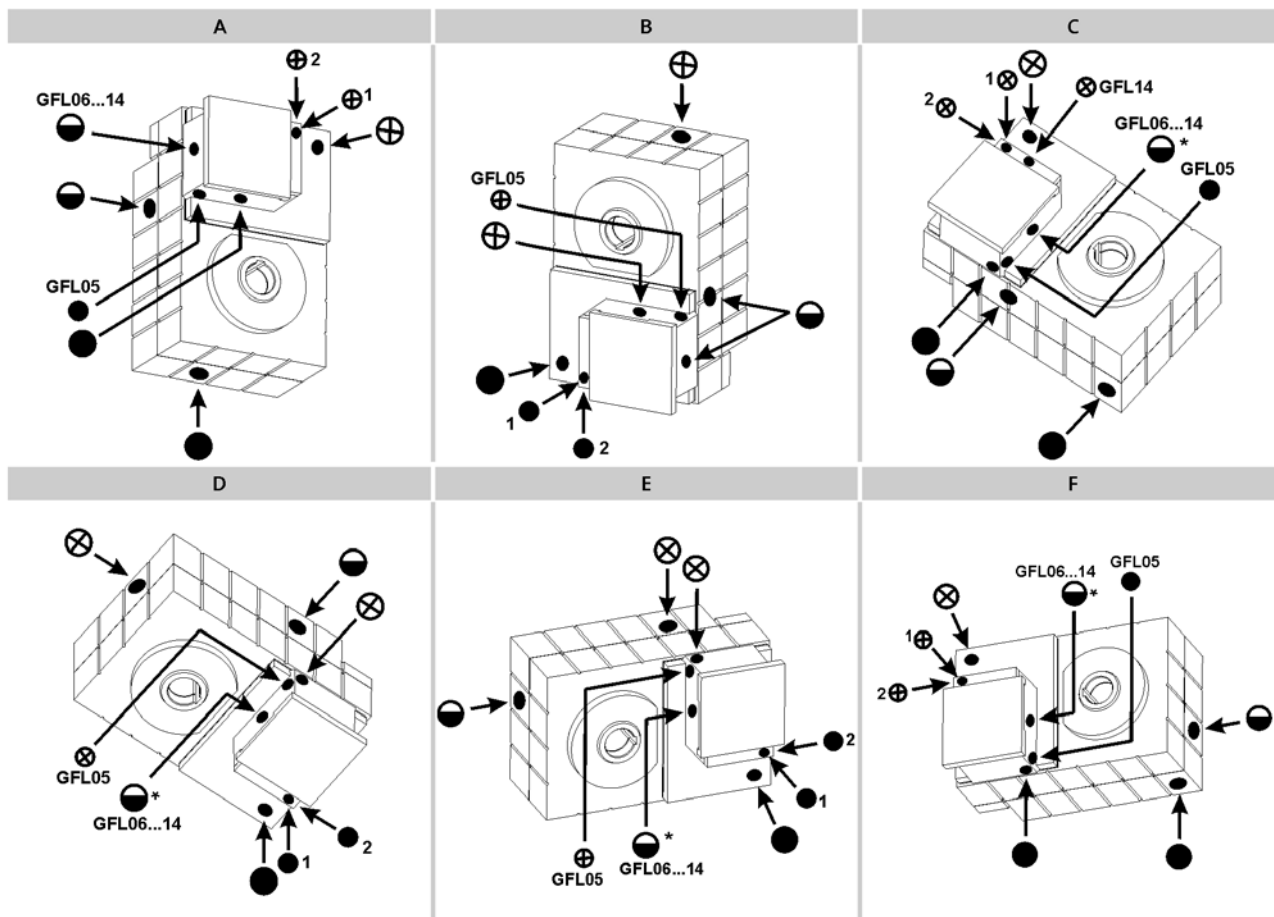
Item 1 standard
Item 2 only with:
▶ GFL05-2M □□□ 090C□□
▶ GFL05-2M □□□ 100C□□
▶ GFL06-2M □□□ 112C□□
▶ GFL07-2M □□□ 160C□□



GFL

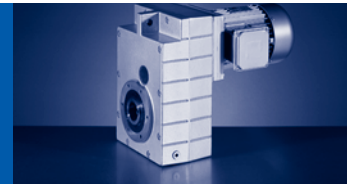
GFL [⊗] - ventilation

GFL05...14-3



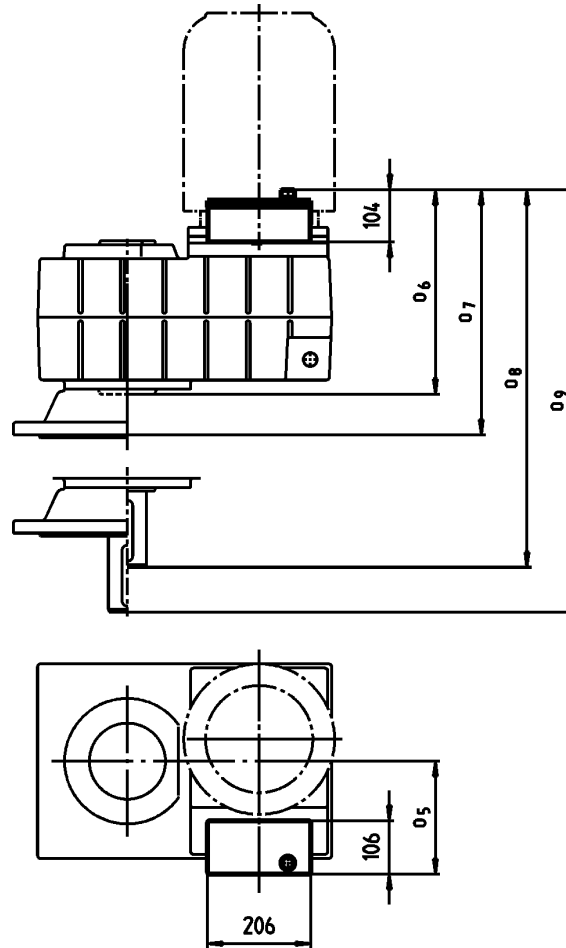
A ... F Mounting position
 ⊗ Ventilation / Oil filler plug
 ● Oil drain plug
 ◐ Oil control plug
 * On both sides
 ** On opposite side

Item 1 standard
 Item 2 only with:
 ▶ GFL07-3M □□□ 090C□□
 ▶ GFL07-3M □□□ 100C□□
 ▶ GFL09-3M □□□ 112C□□



Compensation reservoir for mounting position C

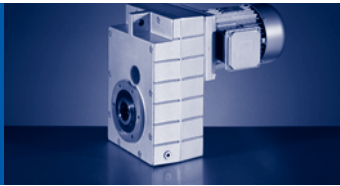
GFL□□-2



Motor	090 100					112				
	o ₅	o ₆	o ₇	o ₈	o ₉	o ₅	o ₆	o ₇	o ₈	o ₉
	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]
GFL09	165	344	405	464	525	187	344	405	464	525
GFL11	154	387	448	547	608	176	391	452	551	612
GFL14						181	446	507	646	707

Motor	132					160 180 225				
	o ₅	o ₆	o ₇	o ₈	o ₉	o ₅	o ₆	o ₇	o ₈	o ₉
	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]
GFL09	204	344	405	464	525	219	344	405	464	525
GFL11	200	391	452	551	612	214	391	452	551	612
GFL14	211	446	507	646	707	211	446	507	646	707

- ▶ Terminal box position 3 not permitted.
- ▶ Foot in position 3 not permitted.



GFL

GFL [kg] - MD□MA (IE1)

GFL□□-2M HCR / HDR

			063C11	063C12	063C31	063C32	063C42	071C11	071C13 071C31	071C32	071C33 071C42	080C11	080C13	080C31	080C32 080C33 080C42	090C11	090C31	090C32
GFL04	m	[kg]	10	11	10	11		13	12	13		17	18	17	18			
GFL05	m	[kg]					24		26			30	31	30	31	38		36
GFL06	m	[kg]					38		40	39	40	44	45	44	45		52	50
GFL07	m	[kg]											71	70	71		78	76
GFL09	m	[kg]															124	122

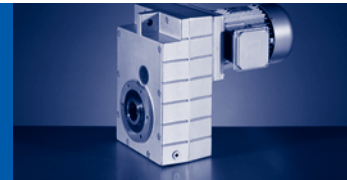
			100C12	100C31	100C32	100C41	112C22	112C31	112C32	112C41	132C21	132C22 132C32	160C22	160C32	180C12	180C32	180C42	225C12	225C22
GFL05	m	[kg]	45	42	45	42													
GFL06	m	[kg]	59	56	59	56	67	64	74	71									
GFL07	m	[kg]	85	82	85	82	93	90	100	97	132	130	174	194					
GFL09	m	[kg]	131	128	131	128	139	136	146	143	179	177	221	241	276	286	311		
GFL11	m	[kg]	217		217	214	224	221	231	228	262	260	304	324	359	369	394	519	544
GFL14	m	[kg]					366	363	373	370	403	401	445	465	500	510	535	657	682

GFL□□-2M HAR / HBR

			063C11	063C12	063C31	063C32	063C42	071C11	071C13 071C31	071C32	071C33 071C42	080C11	080C13	080C31	080C32 080C33 080C42	090C11	090C31	090C32
GFL04	m	[kg]	11	12	11	12		14		13	14	18	19	18	19			
GFL05	m	[kg]					25	27	28	27	28	31	32	31	32	39		37
GFL06	m	[kg]					41		43	42	43	46	47	46	47	55		53
GFL07	m	[kg]											75	74	75	82		80
GFL09	m	[kg]															131	129

			100C12	100C31	100C32	100C41	112C22	112C31	112C32	112C41	132C21	132C22 132C32	160C22	160C32	180C12	180C32	180C42	225C12	225C22
GFL05	m	[kg]	46	43	46	43													
GFL06	m	[kg]	62	59	62	59	70	67	77	74									
GFL07	m	[kg]	89	86	89	86	97	94	104	101	136	134	178	198					
GFL09	m	[kg]	138	135	138	135	146	143	153	150	186	184	228	248	283	293	318		
GFL11	m	[kg]	231		231	228	238	235	245	242	276	274	318	338	373	383	408	533	558
GFL14	m	[kg]					389	386	396	393	426	424	468	488	523	533	558	680	705

- Weights with oil filling for mounting position A; all values are approximate.
The weights relate to the basic version. Bear in mind that additional weights may be needed (e.g. for motor options).



GFL□□-2M HAK

			063C11 063C12 063C31 063C32	063C42	071C11	071C13 071C31	071C32	071C33	071C42	080C11	080C13	080C31	080C32 080C33 080C42	090C11	090C31	090C32	100C12
GFL04	m	[kg]	14		16	17	16	17	16	21	22	21	22				
GFL05	m	[kg]		29	31	32	31	32		35	36	35	36	43		41	50
GFL06	m	[kg]		48		50	49	50		53	54	53	54	62		60	69
GFL07	m	[kg]									86	85	86	93		91	100
GFL09	m	[kg]													147	145	154
GFL11	m	[kg]															255

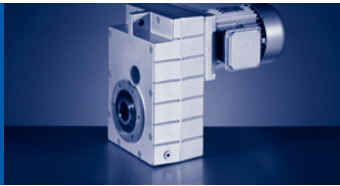
			100C31	100C32	100C41	112C22	112C31	112C32	112C41	132C21	132C22 132C32	160C22	160C32	180C12	180C32	180C42	225C12	225C22
GFL05	m	[kg]	47	50	47													
GFL06	m	[kg]	66	69	66	77	74	84	81									
GFL07	m	[kg]	97	100	97	108	105	115	112	147	145	189	209					
GFL09	m	[kg]	151	154	151	162	159	169	166	202	200	244	264	299	309	334		
GFL11	m	[kg]		255	252	262	259	269	266	300	298	342	362	397	407	432	557	582
GFL14	m	[kg]				422	419	429	426	459	457	501	521	556	566	591	713	738

GFL□□-2M HCK

			063C11 063C12 063C31 063C32	063C42	071C11	071C13 071C31	071C32	071C33	071C42	080C11	080C13	080C31	080C32 080C33 080C42	090C11	090C31	090C32	100C12
GFL04	m	[kg]	13		15	16	15	16	15	20	21	20	21				
GFL05	m	[kg]		28			30			34	35	34	35	42		40	49
GFL06	m	[kg]		45		47	46	47		51	52	51	52	59		57	66
GFL07	m	[kg]									82	81	82	89		87	96
GFL09	m	[kg]													140	138	147
GFL11	m	[kg]															241

			100C31	100C32	100C41	112C22	112C31	112C32	112C41	132C21	132C22 132C32	160C22	160C32	180C12	180C32	180C42	225C12	225C22
GFL05	m	[kg]	46	49	46													
GFL06	m	[kg]	63	66	63	74	71	81	78									
GFL07	m	[kg]	93	96	93	104	101	111	108	143	141	185	205					
GFL09	m	[kg]	144	147	144	155	152	162	159	195	193	237	257	292	302	327		
GFL11	m	[kg]		241	238	248	245	255	252	286	284	328	348	383	393	418	543	568
GFL14	m	[kg]				399	396	406	403	436	434	478	498	533	543	568	690	715

- Weights with oil filling for mounting position A; all values are approximate.
The weights relate to the basic version. Bear in mind that additional weights may be needed (e.g. for motor options).



GFL

GFL [kg] - MD□MA (IE1)

GFL□□-2M VCR / VDR

			063C11 063C12 063C31 063C32	063C42	071C11	071C13 071C31	071C32	071C33 071C42	080C11	080C13	080C31	080C32 080C33 080C42	090C11	090C31	090C32	100C12	100C31
GFL04	m	[kg]	11		13	14	13	14	18	19	18	19	25		23		
GFL05	m	[kg]		25		27			31	32	31	32	39		37	46	43
GFL06	m	[kg]		41		43	42	43	46	47	46	47	55		53	62	59
GFL07	m	[kg]							76	75	76		83		81	90	87
GFL09	m	[kg]											132		130	139	136
GFL11	m	[kg]														233	

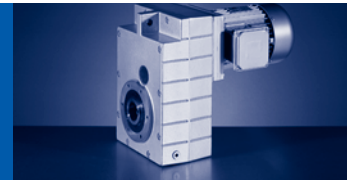
			100C32	100C41	112C22	112C31	112C32	112C41	132C21	132C22 132C32	160C22	160C32	180C12	180C32	180C42	225C12	225C22
GFL05	m	[kg]	46	43													
GFL06	m	[kg]	62	59	70	67	77	74									
GFL07	m	[kg]	90	87	98	95	105	102	137	135	179	199					
GFL09	m	[kg]	139	136	147	144	154	151	187	185	229	249	284	294	319		
GFL11	m	[kg]	233	230	240	237	247	244	278	276	320	340	375	385	410	535	560
GFL14	m	[kg]			399	396	406	403	436	434	478	498	533	543	568	690	715

GFL□□-2M VAR / VBR

			063C11 063C12 063C31 063C32	063C42	071C11	071C13 071C31	071C32	071C33 071C42	080C11	080C13	080C31	080C32 080C33 080C42	090C11	090C31	090C32	100C12	100C31
GFL04	m	[kg]	12		14	15	14	15	19	20	19	20	26		24		
GFL05	m	[kg]		26	28	29	28	29	32	33	32	33	40		38	47	44
GFL06	m	[kg]		43		45	44	45	49	50	49	50	57		55	64	61
GFL07	m	[kg]							80	79	80		87		85	94	91
GFL09	m	[kg]											139		137	146	143
GFL11	m	[kg]														247	

			100C32	100C41	112C22	112C31	112C32	112C41	132C21	132C22 132C32	160C22	160C32	180C12	180C32	180C42	225C12	225C22
GFL05	m	[kg]	47	44													
GFL06	m	[kg]	64	61	72	69	79	76									
GFL07	m	[kg]	94	91	102	99	109	106	141	139	183	203					
GFL09	m	[kg]	146	143	154	151	161	158	194	192	236	256	291	301	326		
GFL11	m	[kg]	247	244	254	251	261	258	292	290	334	354	389	399	424	549	574
GFL14	m	[kg]			422	419	429	426	459	457	501	521	556	566	591	713	738

- Weights with oil filling for mounting position A; all values are approximate.
The weights relate to the basic version. Bear in mind that additional weights may be needed (e.g. for motor options).



GFL□□-2M VAK

			063C11	063C12	063C31	063C32	063C42	071C11	071C13 071C31	071C32	071C33 071C42	080C11	080C13	080C31	080C32 080C33 080C42	090C11	090C31	090C32
GFL04	m	[kg]	14	15	14	15		17		16	17	21	22	21	22	29		27
GFL05	m	[kg]					30	32	33	32	33	36	37	36	37	44		42
GFL06	m	[kg]					50		52	51	52	56	57	56	57	64		62
GFL07	m	[kg]											91	90	91	98		96
GFL09	m	[kg]															155	153

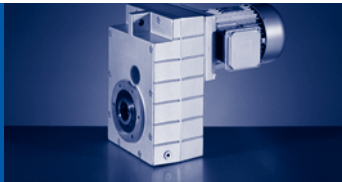
			100C12	100C31	100C32	100C41	112C22	112C31	112C32	112C41	132C21	132C22 132C32	160C22	160C32	180C12	180C32	180C42	225C12	225C22
GFL05	m	[kg]	51	48	51	48													
GFL06	m	[kg]	71	68	71	68	79	76	86	83									
GFL07	m	[kg]	105	102	105	102	113	110	120	117	152	150	194	214					
GFL09	m	[kg]	162	159	162	159	170	167	177	174	210	208	252	272	307	317	342		
GFL11	m	[kg]	271		271	268	278	275	285	282	316	314	358	378	413	423	448	573	598
GFL14	m	[kg]					455	452	462	459	492	490	534	554	589	599	624	746	771

GFL□□-2M VCK

			063C11	063C12	063C31	063C32	063C42	071C11	071C13 071C31	071C32	071C33 071C42	080C11	080C13	080C31	080C32 080C33 080C42	090C11	090C31	090C32
GFL04	m	[kg]	13	14	13	14		16		15	16	20	21	20	21	28		26
GFL05	m	[kg]					29		31			35	36	35	36	43		41
GFL06	m	[kg]					48		50	49	50	53	54	53	54	62		60
GFL07	m	[kg]											87	86	87	94		92
GFL09	m	[kg]															148	146

			100C12	100C31	100C32	100C41	112C22	112C31	112C32	112C41	132C21	132C22 132C32	160C22	160C32	180C12	180C32	180C42	225C12	225C22
GFL05	m	[kg]	50	47	50	47													
GFL06	m	[kg]	69	66	69	66	77	74	84	81									
GFL07	m	[kg]	101	98	101	98	109	106	116	113	148	146	190	210					
GFL09	m	[kg]	155	152	155	152	163	160	170	167	203	201	245	265	300	310	335		
GFL11	m	[kg]	257		257	254	264	261	271	268	302	300	344	364	399	409	434	559	584
GFL14	m	[kg]					432	429	439	436	469	467	511	531	566	576	601	723	748

- Weights with oil filling for mounting position A; all values are approximate.
The weights relate to the basic version. Bear in mind that additional weights may be needed (e.g. for motor options).



GFL

GFL [kg] - MD□MA (IE1)

GFL□□-2M SCR / SDR

			063C11 063C12 063C31 063C32	063C42	071C11	071C13 071C31	071C32	071C33 071C42	080C11	080C13	080C31	080C32 080C33 080C42	090C11	090C31	090C32	100C12	100C31
GFL04	m	[kg]	11		13	14	13	14	18	19	18	19	25		23		
GFL05	m	[kg]		25	27		26	27	31	32	31	32	39		37	46	43
GFL06	m	[kg]		39		41	40	41	45	46	45	46	53		51	60	57
GFL07	m	[kg]							72	71	72	79			77	86	83
GFL09	m	[kg]											127		125	134	131
GFL11	m	[kg]														222	

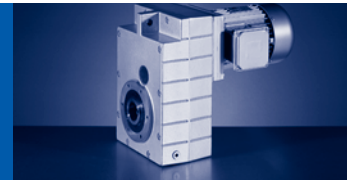
			100C32	100C41	112C22	112C31	112C32	112C41	132C21	132C22 132C32	160C22	160C32	180C12	180C32	180C42	225C12	225C22
GFL05	m	[kg]	46	43													
GFL06	m	[kg]	60	57	68	65	75	72									
GFL07	m	[kg]	86	83	95	92	102	99	133	131	175	195					
GFL09	m	[kg]	134	131	142	139	149	146	182	180	224	244	279	289	314		
GFL11	m	[kg]	222	219	229	226	236	233	267	265	309	329	364	374	399	524	549
GFL14	m	[kg]			377	374	384	381	414	412	456	476	511	521	546	668	693

GFL□□-2M SAR / SBR

			063C11 063C12 063C31 063C32	063C42	071C11	071C13 071C31	071C32	071C33 071C42	080C11	080C13	080C31	080C32 080C33 080C42	090C11	090C31	090C32	100C12	100C31
GFL04	m	[kg]	12		14	15	14	15	19	20	19	20	26		24		
GFL05	m	[kg]		26	28	29	28	29	32	33	32	33	40		38	47	44
GFL06	m	[kg]		42		44	43	44	47	48	47	48	56		54	63	60
GFL07	m	[kg]							76	75	76	83			81	90	87
GFL09	m	[kg]											134		132	141	138
GFL11	m	[kg]														236	

			100C32	100C41	112C22	112C31	112C32	112C41	132C21	132C22 132C32	160C22	160C32	180C12	180C32	180C42	225C12	225C22
GFL05	m	[kg]	47	44													
GFL06	m	[kg]	63	60	71	68	78	75									
GFL07	m	[kg]	90	87	99	96	106	103	137	135	179	199					
GFL09	m	[kg]	141	138	149	146	156	153	189	187	231	251	286	296	321		
GFL11	m	[kg]	236	233	243	240	250	247	281	279	323	343	378	388	413	538	563
GFL14	m	[kg]			400	397	407	404	437	435	479	499	534	544	569	691	716

- Weights with oil filling for mounting position A; all values are approximate.
The weights relate to the basic version. Bear in mind that additional weights may be needed (e.g. for motor options).



GFL□□-2M SAK

			063C42	071C11	071C13 071C31	071C32	071C33 071C42	080C11	080C13	080C31	080C32 080C33 080C42	090C11	090C31	090C32	100C12	100C31
GFL05	m	[kg]	30	32	33	32	33	36	37	36	37	44		42	51	48
GFL06	m	[kg]	49		51	50	51	54	55	54	55	63		61	70	67
GFL07	m	[kg]						87	86	87		94		92	101	98
GFL09	m	[kg]										150		148	157	154
GFL11	m	[kg]													260	

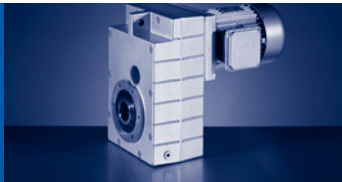
			100C32	100C41	112C22	112C31	112C32	112C41	132C21	132C22 132C32	160C22	160C32	180C12	180C32	180C42	225C12	225C22
GFL05	m	[kg]	51	48													
GFL06	m	[kg]	70	67	78	75	85	82									
GFL07	m	[kg]	101	98	110	107	117	114	148	146	190	210					
GFL09	m	[kg]	157	154	165	162	172	169	205	203	247	267	302	312	337		
GFL11	m	[kg]	260	257	267	264	274	271	305	303	347	367	402	412	437	562	587
GFL14	m	[kg]			433	430	440	437	470	468	512	532	567	577	602	724	749

GFL□□-2M SCK

			063C42	071C11	071C13 071C31	071C32	071C33 071C42	080C11	080C13	080C31	080C32 080C33 080C42	090C11	090C31	090C32	100C12	100C31
GFL05	m	[kg]	29	31		30	31	35	36	35	36	43		41	50	47
GFL06	m	[kg]	46		48	47	48	52	53	52	53	60		58	67	64
GFL07	m	[kg]						83	82	83		90		88	97	94
GFL09	m	[kg]										143		141	150	147
GFL11	m	[kg]													246	

			100C32	100C41	112C22	112C31	112C32	112C41	132C21	132C22 132C32	160C22	160C32	180C12	180C32	180C42	225C12	225C22
GFL05	m	[kg]	50	47													
GFL06	m	[kg]	67	64	75	72	82	79									
GFL07	m	[kg]	97	94	106	103	113	110	144	142	186	206					
GFL09	m	[kg]	150	147	158	155	165	162	198	196	240	260	295	305	330		
GFL11	m	[kg]	246	243	253	250	260	257	291	289	333	353	388	398	423	548	573
GFL14	m	[kg]			410	407	417	414	447	445	489	509	544	554	579	701	726

- Weights with oil filling for mounting position A; all values are approximate.
The weights relate to the basic version. Bear in mind that additional weights may be needed (e.g. for motor options).



GFL

GFL [kg] - MD□MA (IE1)

GFL□□-3M HCR / HDR

			063C11	063C12	063C31	063C32	063C42	071C11	071C13 071C31	071C32	071C33	071C42	080C11	080C13	080C31	080C32 080C33 080C42
GFL05	m	[kg]	24	25	24	25		27		26	27		31	32	31	
GFL06	m	[kg]	41				42	43	44	43	44		48	49	48	49
GFL07	m	[kg]					72			74			78	79	78	79
GFL09	m	[kg]					123	125	126	125	126	125	129	130	129	130
GFL11	m	[kg]											222	223	222	223

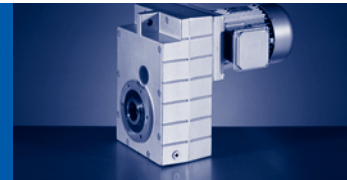
			090C11 090C31	090C32	100C12	100C31	100C32	100C41	112C22	112C31	112C32	112C41	132C21	132C22 132C32	160C22	160C32
GFL06	m	[kg]	55													
GFL07	m	[kg]	86	84	93	90		90								
GFL09	m	[kg]	137	135	144	141	144	141	153	150		157				
GFL11	m	[kg]	230	228	237	234	237	234	246	243	253	250	285	283		
GFL14	m	[kg]	387	385	394	391	394	391	402	399	409	406	441	439	483	503

GFL□□-3M HAR / HBR

			063C11 063C12 063C31 063C32	063C42	071C11	071C13 071C31	071C32	071C33	071C42	080C11	080C13	080C31	080C32 080C33 080C42	090C11 090C31
GFL05	m	[kg]	26		28	29	28	29	28	33	34	33		
GFL06	m	[kg]	44				46			50	51	50	51	58
GFL07	m	[kg]		76			78			82	83	82	83	90
GFL09	m	[kg]		130	132	133	132	133	132	136	137	136	137	144
GFL11	m	[kg]								236	237	236	237	244
GFL14	m	[kg]												410

			090C32	100C12	100C31	100C32	100C41	112C22	112C31	112C32	112C41	132C21	132C22 132C32	160C22	160C32
GFL07	m	[kg]	88	97	94		94								
GFL09	m	[kg]	142	151	148	151	148	160	157		164				
GFL11	m	[kg]	242	251	248	251	248	260	257	267	264	299	297		
GFL14	m	[kg]	408	417	414	417	414	425	422	432	429	464	462	506	526

- Weights with oil filling for mounting position A; all values are approximate.
The weights relate to the basic version. Bear in mind that additional weights may be needed (e.g. for motor options).



GFL□□-3M HAK

			063C11 063C12 063C31 063C32	063C42	071C11	071C13 071C31	071C32	071C33	071C42	080C11	080C13	080C31	080C32 080C33 080C42	090C11 090C31
GFL05	m	[kg]	30		32	33	32	33	32	37	38	37		
GFL06	m	[kg]	51				53			57	58	57	58	65
GFL07	m	[kg]		87			89			93	94	93	94	101
GFL09	m	[kg]		146	148	149	148	149	148	152	153	152	153	160
GFL11	m	[kg]								260	261	260	261	268
GFL14	m	[kg]												443

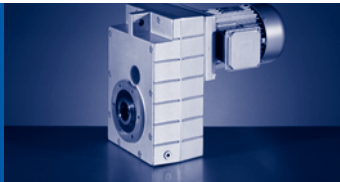
			090C32	100C12	100C31	100C32	100C41	112C22	112C31	112C32	112C41	132C21	132C22 132C32	160C22	160C32
GFL07	m	[kg]	99	108	105		105								
GFL09	m	[kg]	158	167	164	167	164	176	173		180				
GFL11	m	[kg]	266	275	272	275	272	284	281	291	288	323	321		
GFL14	m	[kg]	441	450	447	450	447	458	455	465	462	497	495	539	559

GFL□□-3M HCK

			063C11	063C12	063C31	063C32	063C42	071C11	071C13 071C31	071C32	071C33	071C42	080C11	080C13	080C31	080C32 080C33 080C42
GFL05	m	[kg]	28	29	28	29		31		30	31		35	36	35	
GFL06	m	[kg]		48			49	50	51	50	51		55	56	55	56
GFL07	m	[kg]					83			85			89	90	89	90
GFL09	m	[kg]					139	141	142	141	142	141	145	146	145	146
GFL11	m	[kg]											246	247	246	247

			090C11 090C31	090C32	100C12	100C31	100C32	100C41	112C22	112C31	112C32	112C41	132C21	132C22 132C32	160C22	160C32
GFL06	m	[kg]	62													
GFL07	m	[kg]	97	95	104	101		101								
GFL09	m	[kg]	153	151	160	157	160	157	169	166		173				
GFL11	m	[kg]	254	252	261	258	261	258	270	267	277	274	309	307		
GFL14	m	[kg]	420	418	427	424	427	424	435	432	442	439	474	472	516	536

- Weights with oil filling for mounting position A; all values are approximate.
The weights relate to the basic version. Bear in mind that additional weights may be needed (e.g. for motor options).



GFL

GFL [kg] - MD□MA (IE1)

GFL□□-3M VCR / VDR

			063C11	063C12	063C31	063C32	063C42	071C11	071C13 071C31	071C32	071C33	071C42	080C11	080C13	080C31	080C32 080C33 080C42
GFL05	m	[kg]	25	26	25	26		28		27	28		32	33	32	
GFL06	m	[kg]	44						46				50	51	50	51
GFL07	m	[kg]				77			79				83	84	83	84
GFL09	m	[kg]					131	133	134	133	134	133	137	138	137	138
GFL11	m	[kg]											238	239	238	239

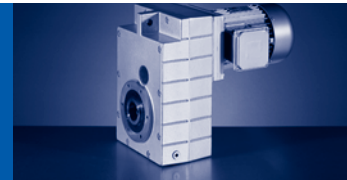
			090C11 090C31	090C32	100C12	100C31	100C32	100C41	112C22	112C31	112C32	112C41	132C21	132C22 132C32	160C22	160C32
GFL06	m	[kg]	58													
GFL07	m	[kg]	91	89	98	95		95								
GFL09	m	[kg]	145	143	152	149	152	149	161	158		165				
GFL11	m	[kg]	246	244	253	250	253	250	262	259	269	266	301	299		
GFL14	m	[kg]	420	418	427	424	427	424	435	432	442	439	474	472	516	536

GFL□□-3M VAR / VBR

			063C11 063C12 063C31 063C32	063C42	071C11	071C13 071C31	071C32	071C33	071C42	080C11	080C13	080C31	080C32 080C33 080C42	090C11 090C31
GFL05	m	[kg]	27		29	30	29	30	29	34	35	34		
GFL06	m	[kg]	46	47	48	49	48	49		53	54	53	54	60
GFL07	m	[kg]		81			83			87	88	87	88	95
GFL09	m	[kg]		138	140	141	140	141	140	144	145	144	145	152
GFL11	m	[kg]								252	253	252	253	260
GFL14	m	[kg]												443

			090C32	100C12	100C31	100C32	100C41	112C22	112C31	112C32	112C41	132C21	132C22 132C32	160C22	160C32
GFL07	m	[kg]	93	102	99		99								
GFL09	m	[kg]	150	159	156	159	156	168	165		172				
GFL11	m	[kg]	258	267	264	267	264	276	273	283	280	315	313		
GFL14	m	[kg]	441	450	447	450	447	458	455	465	462	497	495	539	559

- Weights with oil filling for mounting position A; all values are approximate.
The weights relate to the basic version. Bear in mind that additional weights may be needed (e.g. for motor options).



GFL□□-3M VAK

			063C11 063C12 063C31 063C32	063C42	071C11	071C13 071C31	071C32	071C33	071C42	080C11	080C13	080C31	080C32 080C33 080C42	090C11 090C31
GFL05	m	[kg]	31		33	34	33	34	33	38	39	38		
GFL06	m	[kg]	53	54	55	56	55	56		60	61	60	61	67
GFL07	m	[kg]		92			94			98	99	98	99	106
GFL09	m	[kg]		154	156	157	156	157	156	160	161	160	161	168
GFL11	m	[kg]								276	277	276	277	284
GFL14	m	[kg]												476

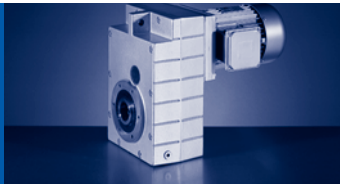
			090C32	100C12	100C31	100C32	100C41	112C22	112C31	112C32	112C41	132C21	132C22 132C32	160C22	160C32
GFL07	m	[kg]	104	113	110		110								
GFL09	m	[kg]	166	175	172	175	172	184	181		188				
GFL11	m	[kg]	282	291	288	291	288	300	297	307	304	339	337		
GFL14	m	[kg]	474	483	480	483	480	491	488	498	495	530	528	572	592

GFL□□-3M VCK

			063C11	063C12	063C31	063C32	063C42	071C11	071C13 071C31	071C32	071C33	071C42	080C11	080C13	080C31	080C32 080C33 080C42
GFL05	m	[kg]	29	30	29	30		32		31	32		36	37	36	
GFL06	m	[kg]			51					53			57	58	57	58
GFL07	m	[kg]					88			90			94	95	94	95
GFL09	m	[kg]					147	149	150	149	150	149	153	154	153	154
GFL11	m	[kg]											262	263	262	263

			090C11 090C31	090C32	100C12	100C31	100C32	100C41	112C22	112C31	112C32	112C41	132C21	132C22 132C32	160C22	160C32
GFL06	m	[kg]	65													
GFL07	m	[kg]	102	100	109	106		106								
GFL09	m	[kg]	161	159	168	165	168	165	177	174		181				
GFL11	m	[kg]	270	268	277	274	277	274	286	283	293	290	325	323		
GFL14	m	[kg]	453	451	460	457	460	457	468	465	475	472	507	505	549	569

- Weights with oil filling for mounting position A; all values are approximate.
The weights relate to the basic version. Bear in mind that additional weights may be needed (e.g. for motor options).



GFL

GFL [kg] - MD□MA (IE1)

GFL□□-3M SCR / SDR

			063C11 063C12 063C31 063C32	063C42	071C11	071C13 071C31	071C32	071C33	071C42	080C11	080C13	080C31	080C32 080C33 080C42	090C11 090C31
GFL05	m	[kg]	25	26	27	28	27	28		32	33	32		
GFL06	m	[kg]	42	43	44	45	44	45		49	50	49	50	56
GFL07	m	[kg]		73	75	76	75	76		79	80	79	80	87
GFL09	m	[kg]		126	128	129	128	129	128	132	133	132	133	140
GFL11	m	[kg]								227	228	227	228	235
GFL14	m	[kg]												398

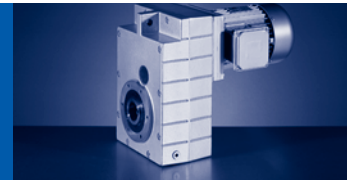
			090C32	100C12	100C31	100C32	100C41	112C22	112C31	112C32	112C41	132C21	132C22 132C32	160C22	160C32
GFL07	m	[kg]	85	94	91		91								
GFL09	m	[kg]	138	147	144	147	144	156	153		160				
GFL11	m	[kg]	233	242	239	242	239	251	248	258	255	290	288		
GFL14	m	[kg]	396	405	402	405	402	413	410	420	417	452	450	494	514

GFL□□-3M SAR / SBR

			063C11 063C12 063C31 063C32	063C42	071C11	071C13 071C31	071C32	071C33	071C42	080C11	080C13	080C31	080C32 080C33 080C42	090C11 090C31
GFL05	m	[kg]	27				29			33	34	33		
GFL06	m	[kg]	45				47			51	52	51	52	59
GFL07	m	[kg]		77	79	80	79	80		83	84	83	84	91
GFL09	m	[kg]		133	135	136	135	136	135	139	140	139	140	147
GFL11	m	[kg]								241	242	241	242	249
GFL14	m	[kg]												421

			090C32	100C12	100C31	100C32	100C41	112C22	112C31	112C32	112C41	132C21	132C22 132C32	160C22	160C32
GFL07	m	[kg]	89	98	95		95								
GFL09	m	[kg]	145	154	151	154	151	163	160		167				
GFL11	m	[kg]	247	256	253	256	253	265	262	272	269	304	302		
GFL14	m	[kg]	419	428	425	428	425	436	433	443	440	475	473	517	537

- Weights with oil filling for mounting position A; all values are approximate.
The weights relate to the basic version. Bear in mind that additional weights may be needed (e.g. for motor options).



GFL□□-3M SAK

			063C11 063C12 063C31 063C32	063C42	071C11	071C13 071C31	071C32	071C33	071C42	080C11	080C13	080C31	080C32 080C33 080C42	090C11 090C31
GFL05	m	[kg]	31		33					37	38	37		
GFL06	m	[kg]	52		54					58	59	58	59	66
GFL07	m	[kg]		88	90	91	90	91		94	95	94	95	102
GFL09	m	[kg]		149	151	152	151	152	151	155	156	155	156	163
GFL11	m	[kg]								265	266	265	266	273
GFL14	m	[kg]												454

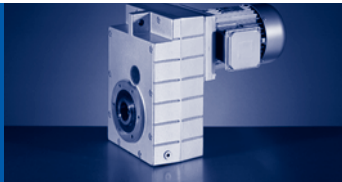
			090C32	100C12	100C31	100C32	100C41	112C22	112C31	112C32	112C41	132C21	132C22 132C32	160C22	160C32
GFL07	m	[kg]	100	109	106		106								
GFL09	m	[kg]	161	170	167	170	167	179	176		183				
GFL11	m	[kg]	271	280	277	280	277	289	286	296	293	328	326		
GFL14	m	[kg]	452	461	458	461	458	469	466	476	473	508	506	550	570

GFL□□-3M SCK

			063C11 063C12 063C31 063C32	063C42	071C11	071C13 071C31	071C32	071C33	071C42	080C11	080C13	080C31	080C32 080C33 080C42	090C11 090C31
GFL05	m	[kg]	29	30	31	32	31	32		36	37	36		
GFL06	m	[kg]	49	50	51	52	51	52		56	57	56	57	63
GFL07	m	[kg]		84	86	87	86	87		90	91	90	91	98
GFL09	m	[kg]		142	144	145	144	145	144	148	149	148	149	156
GFL11	m	[kg]								251	252	251	252	259
GFL14	m	[kg]												431

			090C32	100C12	100C31	100C32	100C41	112C22	112C31	112C32	112C41	132C21	132C22 132C32	160C22	160C32
GFL07	m	[kg]	96	105	102		102								
GFL09	m	[kg]	154	163	160	163	160	172	169		176				
GFL11	m	[kg]	257	266	263	266	263	275	272	282	279	314	312		
GFL14	m	[kg]	429	438	435	438	435	446	443	453	450	485	483	527	547

- Weights with oil filling for mounting position A; all values are approximate.
The weights relate to the basic version. Bear in mind that additional weights may be needed (e.g. for motor options).



GFL

GFL [kg] - MH□MA (IE2)

GFL□□-2M HCR / HDR

			080C32	090C12	090C32	100C12	100C32	112C22	132C12
GFL04	m	[kg]	18						
GFL05	m	[kg]	31	37	39	45	47		
GFL06	m	[kg]	45	51	53	59	62	74	97
GFL07	m	[kg]	71	77	79	85	87	100	123
GFL09	m	[kg]		123	125	131	134	146	170
GFL11	m	[kg]				217	219	231	253
GFL14	m	[kg]						373	394

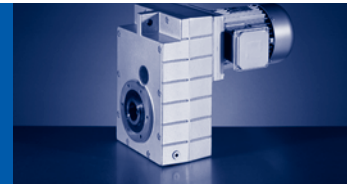
			132C22	160C22	160C32	180C12	180C32	180C42	225C12	225C22
GFL06	m	[kg]	104							
GFL07	m	[kg]	130	173	188					
GFL09	m	[kg]	177	220	235	286	291	311		
GFL11	m	[kg]	260	303	318	369	374	394	594	614
GFL14	m	[kg]	401	444	459	510	515	535	732	752

GFL□□-2M HAR / HBR

			080C32	090C12	090C32	100C12	100C32	112C22	132C12
GFL04	m	[kg]	19						
GFL05	m	[kg]	32	38	40	46	49		
GFL06	m	[kg]	47	54	56	62	64	77	99
GFL07	m	[kg]	75	81	83	89	91	104	127
GFL09	m	[kg]		130	132	138	141	153	177
GFL11	m	[kg]				231	233	245	267
GFL14	m	[kg]						396	417

			132C22	160C22	160C32	180C12	180C32	180C42	225C12	225C22
GFL06	m	[kg]	106							
GFL07	m	[kg]	134	177	192					
GFL09	m	[kg]	184	227	242	293	298	318		
GFL11	m	[kg]	274	317	332	383	388	408	608	628
GFL14	m	[kg]	424	467	482	533	538	558	755	775

- Weights with oil filling for mounting position A; all values are approximate.
The weights relate to the basic version. Bear in mind that additional weights may be needed (e.g. for motor options).



GFL□□-2M HAK

			080C32	090C12	090C32	100C12	100C32	112C22	132C12
GFL04	m	[kg]	22						
GFL05	m	[kg]	36	42	44	50	53		
GFL06	m	[kg]	54	61	63	69	71	84	106
GFL07	m	[kg]	86	92	94	100	102	115	138
GFL09	m	[kg]		146	148	154	157	169	193
GFL11	m	[kg]				255	257	269	291
GFL14	m	[kg]						429	450

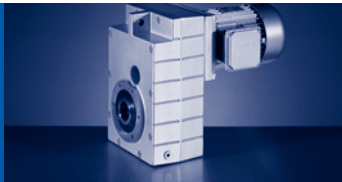
			132C22	160C22	160C32	180C12	180C32	180C42	225C12	225C22
GFL06	m	[kg]	113							
GFL07	m	[kg]	145	188	203					
GFL09	m	[kg]	200	243	258	309	314	334		
GFL11	m	[kg]	298	341	356	407	412	432	632	652
GFL14	m	[kg]	457	500	515	566	571	591	788	808

GFL□□-2M HCK

			080C32	090C12	090C32	100C12	100C32	112C22	132C12
GFL04	m	[kg]	21						
GFL05	m	[kg]	35	41	43	49	51		
GFL06	m	[kg]	52	58	60	66	69	81	104
GFL07	m	[kg]	82	88	90	96	98	111	134
GFL09	m	[kg]		139	141	147	150	162	186
GFL11	m	[kg]				241	243	255	277
GFL14	m	[kg]						406	427

			132C22	160C22	160C32	180C12	180C32	180C42	225C12	225C22
GFL06	m	[kg]	111							
GFL07	m	[kg]	141	184	199					
GFL09	m	[kg]	193	236	251	302	307	327		
GFL11	m	[kg]	284	327	342	393	398	418	618	638
GFL14	m	[kg]	434	477	492	543	548	568	765	785

- Weights with oil filling for mounting position A; all values are approximate.
The weights relate to the basic version. Bear in mind that additional weights may be needed (e.g. for motor options).



GFL

GFL [kg] - MH□MA (IE2)

GFL□□-2M VCR / VDR

			080C32	090C12	090C32	100C12	100C32	112C22	132C12
GFL04	m	[kg]	19	24	26				
GFL05	m	[kg]	32	38	40	46	48		
GFL06	m	[kg]	47	54	56	62	64	77	99
GFL07	m	[kg]	76	82	84	90	92	105	128
GFL09	m	[kg]		131	133	139	142	154	178
GFL11	m	[kg]				233	235	247	269
GFL14	m	[kg]						406	427

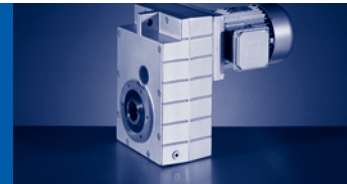
			132C22	160C22	160C32	180C12	180C32	180C42	225C12	225C22
GFL06	m	[kg]	106							
GFL07	m	[kg]	135	178	193					
GFL09	m	[kg]	185	228	243	294	299	319		
GFL11	m	[kg]	276	319	334	385	390	410	610	630
GFL14	m	[kg]	434	477	492	543	548	568	765	785

GFL□□-2M VAR / VBR

			080C32	090C12	090C32	100C12	100C32	112C22	132C12
GFL04	m	[kg]	20	25	27				
GFL05	m	[kg]	33	39	41	47	50		
GFL06	m	[kg]	50	56	58	64	67	79	102
GFL07	m	[kg]	80	86	88	94	96	109	132
GFL09	m	[kg]		138	140	146	149	161	185
GFL11	m	[kg]				247	249	261	283
GFL14	m	[kg]						429	450

			132C22	160C22	160C32	180C12	180C32	180C42	225C12	225C22
GFL06	m	[kg]	109							
GFL07	m	[kg]	139	182	197					
GFL09	m	[kg]	192	235	250	301	306	326		
GFL11	m	[kg]	290	333	348	399	404	424	624	644
GFL14	m	[kg]	457	500	515	566	571	591	788	808

- Weights with oil filling for mounting position A; all values are approximate.
The weights relate to the basic version. Bear in mind that additional weights may be needed (e.g. for motor options).



GFL□□-2M VAK

			080C32	090C12	090C32	100C12	100C32	112C22	132C12
GFL04	m	[kg]	22	28	30				
GFL05	m	[kg]	37	43	45	51	54		
GFL06	m	[kg]	57	63	65	71	74	86	109
GFL07	m	[kg]	91	97	99	105	107	120	143
GFL09	m	[kg]		154	156	162	165	177	201
GFL11	m	[kg]				271	273	285	307
GFL14	m	[kg]						462	483

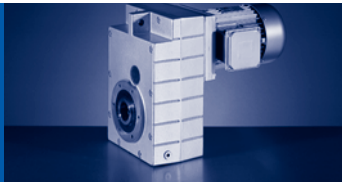
			132C22	160C22	160C32	180C12	180C32	180C42	225C12	225C22
GFL06	m	[kg]	116							
GFL07	m	[kg]	150	193	208					
GFL09	m	[kg]	208	251	266	317	322	342		
GFL11	m	[kg]	314	357	372	423	428	448	648	668
GFL14	m	[kg]	490	533	548	599	604	624	821	841

GFL□□-2M VCK

			080C32	090C12	090C32	100C12	100C32	112C22	132C12
GFL04	m	[kg]	21	27	29				
GFL05	m	[kg]	36	42	44	50	52		
GFL06	m	[kg]	54	61	63	69	71	84	106
GFL07	m	[kg]	87	93	95	101	103	116	139
GFL09	m	[kg]		147	149	155	158	170	194
GFL11	m	[kg]				257	259	271	293
GFL14	m	[kg]						439	460

			132C22	160C22	160C32	180C12	180C32	180C42	225C12	225C22
GFL06	m	[kg]	113							
GFL07	m	[kg]	146	189	204					
GFL09	m	[kg]	201	244	259	310	315	335		
GFL11	m	[kg]	300	343	358	409	414	434	634	654
GFL14	m	[kg]	467	510	525	576	581	601	798	818

- Weights with oil filling for mounting position A; all values are approximate.
The weights relate to the basic version. Bear in mind that additional weights may be needed (e.g. for motor options).



GFL

GFL [kg] - MH□MA (IE2)

GFL□□-2M SCR / SDR

			080C32	090C12	090C32	100C12	100C32	112C22	132C12
GFL04	m	[kg]	19	24	26				
GFL05	m	[kg]	32	38	40	46	48		
GFL06	m	[kg]	46	52	54	60	63	75	98
GFL07	m	[kg]	72	78	80	86	89	102	124
GFL09	m	[kg]		126	128	134	137	149	173
GFL11	m	[kg]				222	224	236	258
GFL14	m	[kg]						384	405

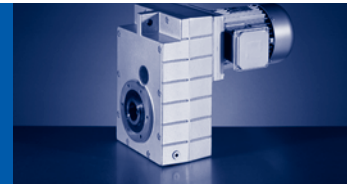
			132C22	160C22	160C32	180C12	180C32	180C42	225C12	225C22
GFL06	m	[kg]	105							
GFL07	m	[kg]	131	174	189					
GFL09	m	[kg]	180	223	238	289	294	314		
GFL11	m	[kg]	265	308	323	374	379	399	599	619
GFL14	m	[kg]	412	455	470	521	526	546	743	763

GFL□□-2M SAR / SBR

			080C32	090C12	090C32	100C12	100C32	112C22	132C12
GFL04	m	[kg]	22	28	30				
GFL05	m	[kg]	33	39	41	47	50		
GFL06	m	[kg]	48	55	57	63	65	78	100
GFL07	m	[kg]	76	82	84	90	93	106	128
GFL09	m	[kg]		133	135	141	144	156	180
GFL11	m	[kg]				236	238	250	272
GFL14	m	[kg]						407	428

			132C22	160C22	160C32	180C12	180C32	180C42	225C12	225C22
GFL06	m	[kg]	107							
GFL07	m	[kg]	135	178	193					
GFL09	m	[kg]	187	230	245	296	301	321		
GFL11	m	[kg]	279	322	337	388	393	413	613	633
GFL14	m	[kg]	435	478	493	544	549	569	766	786

- Weights with oil filling for mounting position A; all values are approximate.
The weights relate to the basic version. Bear in mind that additional weights may be needed (e.g. for motor options).



GFL□□-2M SAK

			080C32	090C12	090C32	100C12	100C32	112C22	132C12
GFL05	m	[kg]	37	43	45	51	54		
GFL06	m	[kg]	55	62	64	70	72	85	107
GFL07	m	[kg]	87	93	95	101	104	117	139
GFL09	m	[kg]		149	151	157	160	172	196
GFL11	m	[kg]				260	262	274	296
GFL14	m	[kg]						440	461

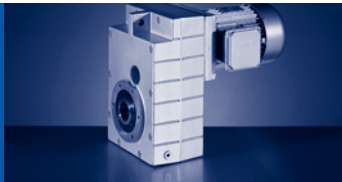
			132C22	160C22	160C32	180C12	180C32	180C42	225C12	225C22
GFL06	m	[kg]	114							
GFL07	m	[kg]	146	189	204					
GFL09	m	[kg]	203	246	261	312	317	337		
GFL11	m	[kg]	303	346	361	412	417	437	637	657
GFL14	m	[kg]	468	511	526	577	582	602	799	819

GFL□□-2M SCK

			080C32	090C12	090C32	100C12	100C32	112C22	132C12
GFL05	m	[kg]	36	42	44	50	52		
GFL06	m	[kg]	53	59	61	67	70	82	105
GFL07	m	[kg]	83	89	91	97	100	113	135
GFL09	m	[kg]		142	144	150	153	165	189
GFL11	m	[kg]				246	248	260	282
GFL14	m	[kg]						417	438

			132C22	160C22	160C32	180C12	180C32	180C42	225C12	225C22
GFL06	m	[kg]	112							
GFL07	m	[kg]	142	185	200					
GFL09	m	[kg]	196	239	254	305	310	330		
GFL11	m	[kg]	289	332	347	398	403	423	623	643
GFL14	m	[kg]	445	488	503	554	559	579	776	796

- Weights with oil filling for mounting position A; all values are approximate.
The weights relate to the basic version. Bear in mind that additional weights may be needed (e.g. for motor options).



GFL

GFL [kg] - MH□MA (IE2)

GFL□□-3M HCR / HDR

			080C32	090C12	090C32	100C12	100C32
GFL06	m	[kg]	49	54			
GFL07	m	[kg]	79	85	87	93	
GFL09	m	[kg]	130	136	138	144	147
GFL11	m	[kg]	223	229	231	237	240
GFL14	m	[kg]		386	388	394	396

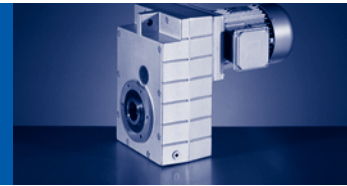
			112C22	132C12	132C22	160C22	160C32
GFL09	m	[kg]	160				
GFL11	m	[kg]	253	276	283		
GFL14	m	[kg]	409	432	439	482	497

GFL□□-3M HAR / HBR

			080C32	090C12	090C32	100C12	100C32
GFL06	m	[kg]	51	57			
GFL07	m	[kg]	83	89	91	97	
GFL09	m	[kg]	137	143	145	151	154
GFL11	m	[kg]	237	243	245	251	254
GFL14	m	[kg]		409	411	417	419

			112C22	132C12	132C22	160C22	160C32
GFL09	m	[kg]	167				
GFL11	m	[kg]	267	290	297		
GFL14	m	[kg]	432	455	462	505	520

- Weights with oil filling for mounting position A; all values are approximate.
The weights relate to the basic version. Bear in mind that additional weights may be needed (e.g. for motor options).



GFL□□-3M HAK

			080C32	090C12	090C32	100C12	100C32
GFL06	m	[kg]	58	64			
GFL07	m	[kg]	94	100	102	108	
GFL09	m	[kg]	153	159	161	167	170
GFL11	m	[kg]	261	267	269	275	278
GFL14	m	[kg]		442	444	450	452

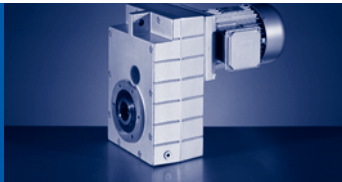
			112C22	132C12	132C22	160C22	160C32
GFL09	m	[kg]	183				
GFL11	m	[kg]	291	314	321		
GFL14	m	[kg]	465	488	495	538	553

GFL□□-3M HCK

			080C32	090C12	090C32	100C12	100C32
GFL06	m	[kg]	56	61			
GFL07	m	[kg]	90	96	98	104	
GFL09	m	[kg]	146	152	154	160	163
GFL11	m	[kg]	247	253	255	261	264
GFL14	m	[kg]		419	421	427	429

			112C22	132C12	132C22	160C22	160C32
GFL09	m	[kg]	176				
GFL11	m	[kg]	277	300	307		
GFL14	m	[kg]	442	465	472	515	530

- Weights with oil filling for mounting position A; all values are approximate.
The weights relate to the basic version. Bear in mind that additional weights may be needed (e.g. for motor options).



GFL

GFL [kg] - MH□MA (IE2)

GFL□□-3M VCR / VDR

			080C32	090C12	090C32	100C12	100C32
GFL06	m	[kg]	51	57			
GFL07	m	[kg]	84	90	92	98	
GFL09	m	[kg]	138	144	146	152	155
GFL11	m	[kg]	239	245	247	253	256
GFL14	m	[kg]		419	421	427	429

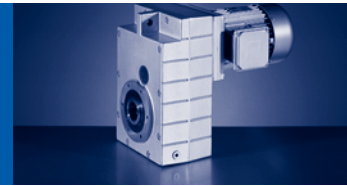
			112C22	132C12	132C22	160C22	160C32
GFL09	m	[kg]	168				
GFL11	m	[kg]	269	292	299		
GFL14	m	[kg]	442	465	472	515	530

GFL□□-3M VAR / VBR

			080C32	090C12	090C32	100C12	100C32
GFL06	m	[kg]	54	59			
GFL07	m	[kg]	88	94	96	102	
GFL09	m	[kg]	145	151	153	159	162
GFL11	m	[kg]	253	259	261	267	270
GFL14	m	[kg]		442	444	450	452

			112C22	132C12	132C22	160C22	160C32
GFL09	m	[kg]	175				
GFL11	m	[kg]	283	306	313		
GFL14	m	[kg]	465	488	495	538	553

- Weights with oil filling for mounting position A; all values are approximate.
The weights relate to the basic version. Bear in mind that additional weights may be needed (e.g. for motor options).



GFL□□-3M VAK

			080C32	090C12	090C32	100C12	100C32
GFL06	m	[kg]	61	66			
GFL07	m	[kg]	99	105	107	113	
GFL09	m	[kg]	161	167	169	175	178
GFL11	m	[kg]	277	283	285	291	294
GFL14	m	[kg]		475	477	483	485

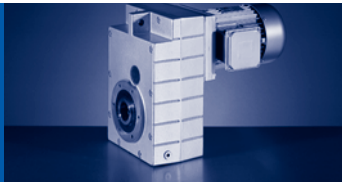
			112C22	132C12	132C22	160C22	160C32
GFL09	m	[kg]	191				
GFL11	m	[kg]	307	330	337		
GFL14	m	[kg]	498	521	528	571	586

GFL□□-3M VCK

			080C32	090C12	090C32	100C12	100C32
GFL06	m	[kg]	58	64			
GFL07	m	[kg]	95	101	103	109	
GFL09	m	[kg]	154	160	162	168	171
GFL11	m	[kg]	263	269	271	277	280
GFL14	m	[kg]		452	454	460	462

			112C22	132C12	132C22	160C22	160C32
GFL09	m	[kg]	184				
GFL11	m	[kg]	293	316	323		
GFL14	m	[kg]	475	498	505	548	563

- Weights with oil filling for mounting position A; all values are approximate.
The weights relate to the basic version. Bear in mind that additional weights may be needed (e.g. for motor options).



GFL

GFL [kg] - MH□MA (IE2)

GFL□□-3M SCR / SDR

			080C32	090C12	090C32	100C12	100C32
GFL06	m	[kg]	50	55			
GFL07	m	[kg]	80	86	88	94	
GFL09	m	[kg]	133	139	141	147	150
GFL11	m	[kg]	228	234	236	242	245
GFL14	m	[kg]		397	399	405	407

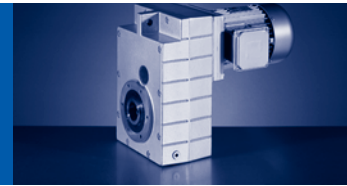
			112C22	132C12	132C22	160C22	160C32
GFL09	m	[kg]	163				
GFL11	m	[kg]	258	281	288		
GFL14	m	[kg]	420	443	450	493	508

GFL□□-3M SAR / SBR

			080C32	090C12	090C32	100C12	100C32
GFL06	m	[kg]	52	58			
GFL07	m	[kg]	84	90	92	98	
GFL09	m	[kg]	140	146	148	154	157
GFL11	m	[kg]	242	248	250	256	259
GFL14	m	[kg]		420	422	428	430

			112C22	132C12	132C22	160C22	160C32
GFL09	m	[kg]	170				
GFL11	m	[kg]	272	295	302		
GFL14	m	[kg]	443	466	473	516	531

- Weights with oil filling for mounting position A; all values are approximate.
The weights relate to the basic version. Bear in mind that additional weights may be needed (e.g. for motor options).



GFL□□-3M SAK

			080C32	090C12	090C32	100C12	100C32
GFL06	m	[kg]	59	65			
GFL07	m	[kg]	95	101	103	109	
GFL09	m	[kg]	156	162	164	170	173
GFL11	m	[kg]	266	272	274	280	283
GFL14	m	[kg]		453	455	461	463

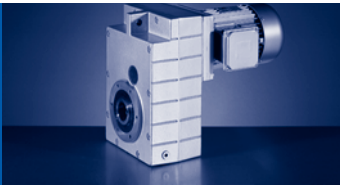
			112C22	132C12	132C22	160C22	160C32
GFL09	m	[kg]	186				
GFL11	m	[kg]	296	319	326		
GFL14	m	[kg]	476	499	506	549	564

GFL□□-3M SCK

			080C32	090C12	090C32	100C12	100C32
GFL06	m	[kg]	57	62			
GFL07	m	[kg]	91	97	99	105	
GFL09	m	[kg]	149	155	157	163	166
GFL11	m	[kg]	252	258	260	266	269
GFL14	m	[kg]		430	432	438	440

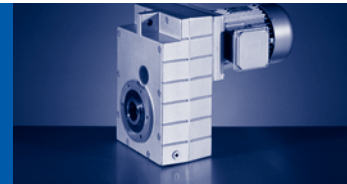
			112C22	132C12	132C22	160C22	160C32
GFL09	m	[kg]	179				
GFL11	m	[kg]	282	305	312		
GFL14	m	[kg]	453	476	483	526	541

- Weights with oil filling for mounting position A; all values are approximate.
The weights relate to the basic version. Bear in mind that additional weights may be needed (e.g. for motor options).



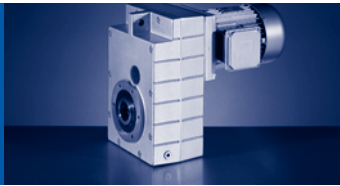
GFL

GFL [kg] - MH□MA (IE2)



50 Hz: P_N=0.12 kW
60 Hz: P_N=0.145 kW
87 Hz: P_N=0.21 kW

n _N	1425 r/min		1725 r/min		2535 r/min		M ₂ [Nm]	i		
f _N	50 Hz		60 Hz		87 Hz					
P _N	0.12 kW		0.145 kW		0.21 kW					
	n ₂ [r/min]	c	n ₂ [r/min]	c	n ₂ [r/min]	c				
	203	5.4	246	5.1	361	4.5	6.0	7.025	GFL04-2M □□□063C12	406
	89	5.4	107	5.1	158	4.5	13	16.087	GFL04-2M □□□063C12	406
	80	5.4	96	5.1	142	4.5	14	17.920	GFL04-2M □□□063C12	406
	69	5.0	84	4.8	124	4.2	16	20.519	GFL04-2M □□□063C12	406
	62	5.0	76	4.8	111	4.2	18	22.857	GFL04-2M □□□063C12	406
	45	5.5	55	5.5	80	5.2	25	31.600	GFL04-2M □□□063C12	406
	41	5.5	49	5.5	72	5.2	28	35.200	GFL04-2M □□□063C12	406
	35	4.6	42	4.6	62	4.4	32	40.697	GFL04-2M □□□063C12	406
	31	4.6	38	4.6	56	4.4	35	45.333	GFL04-2M □□□063C12	406
	28	4.0	33	4.0	49	3.8	40	51.579	GFL04-2M □□□063C12	406
	25	3.9	30	3.9	44	3.7	45	57.455	GFL04-2M □□□063C12	406
	22	3.3	27	3.3	39	3.1	50	64.636	GFL04-2M □□□063C12	406
	20	3.2	24	3.2	35	3.2	56	72.000	GFL04-2M □□□063C12	406
	17	1.6	20	1.6	30	1.6	66	85.156	GFL04-2M □□□063C12	406
	15	1.6	18	1.6	27	1.6	74	94.857	GFL04-2M □□□063C12	406
	14	4.2	17	4.2	25	4.2	78	101.547	GFL05-3M □□□063C12	414
	12	3.7	15	3.7	22	3.7	88	114.952	GFL05-3M □□□063C12	414
	11	3.3	13	3.3	20	3.3	100	129.524	GFL05-3M □□□063C12	414
	9.9	5.1	12	5.1	18	5.1	111	144.320	GFL06-3M □□□063C12	414
	8.8	4.9	11	4.9	16	4.9	125	162.583	GFL06-3M □□□063C12	414
	8.1	2.5	9.7	2.5	14	2.5	136	177.027	GFL05-3M □□□063C12	414
	7.1	2.1	8.7	2.1	13	2.1	153	199.467	GFL05-3M □□□063C12	414
	6.3	2.0	7.6	2.0	11	2.0	175	227.989	GFL05-3M □□□063C12	414
	5.6	1.7	6.7	1.7	9.9	1.7	197	256.889	GFL05-3M □□□063C12	414
	5.5	3.1	6.6	3.1	9.7	3.1	200	260.457	GFL06-3M □□□063C12	414
	4.9	1.6	6	1.6	8.8	1.6	222	288.948	GFL05-3M □□□063C12	414
	4.9	2.9	5.9	2.9	8.7	2.9	225	293.018	GFL06-3M □□□063C12	414
	4.8	2.7	5.8	2.7	8.5	2.7	230	299.200	GFL06-3M □□□063C12	414
	4.4	1.3	5.3	1.3	7.8	1.3	250	325.576	GFL05-3M □□□063C12	414
	3.9	1.2	4.8	1.2	7	1.2	278	362.100	GFL05-3M □□□063C12	414
	3.9	2.3	4.7	2.3	6.9	2.3	282	367.200	GFL06-3M □□□063C12	414
	3.5	1.1	4.2	1.1	6.2	1.1	314	408.000	GFL05-3M □□□063C12	414
	3.4	1.9	4.2	1.9	6.1	1.9	318	413.667	GFL06-3M □□□063C12	414
	3	0.9	3.6	0.9	5.3	0.9	367	477.052	GFL05-3M □□□063C12	414
	3	1.8	3.6	1.8	5.3	1.8	365	475.200	GFL06-3M □□□063C12	414
	2.7	1.5	3.2	1.5	4.7	1.5	411	535.333	GFL06-3M □□□063C12	414
	2.5	1.4	3	1.4	4.4	1.4	443	576.720	GFL06-3M □□□063C12	414
	2.2	1.2	2.7	1.2	3.9	1.2	499	649.700	GFL06-3M □□□063C12	414
	1.9	0.9	2.3	0.9	3.3	0.9	584	759.806	GFL06-3M □□□063C12	414
	1.7	0.9	2	0.9	3	0.9	658	855.954	GFL06-3M □□□063C12	414



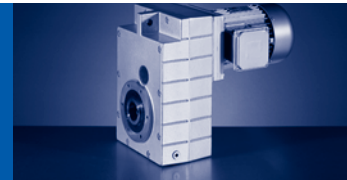
GFL

GFL [Nm] - MD□MA (IE1)

50 Hz: $P_N=0.18$ kW

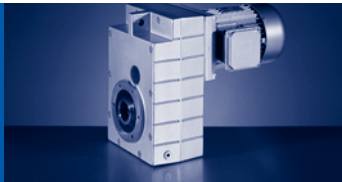
60 Hz: $P_N=0.22$ kW

n _N	2740 r/min		3340 r/min				M ₂ [Nm]	i		
f _N	50 Hz		60 Hz							
P _N	0.18 kW		0.22 kW							
	n ₂ [r/min]	c	n ₂ [r/min]	c						
	390	5.7	475	5.3			4.0	7.025	GFL04-2M □□□063C11	406
	170	5.7	208	5.3			10	16.087	GFL04-2M □□□063C11	406
	153	5.7	186	5.3			11	17.920	GFL04-2M □□□063C11	406
	134	5.3	163	4.9			13	20.519	GFL04-2M □□□063C11	406
	120	5.3	146	4.9			14	22.857	GFL04-2M □□□063C11	406
	67	5.5	82	5.1			25	40.697	GFL04-2M □□□063C11	406
	60	5.5	74	5.1			28	45.333	GFL04-2M □□□063C11	406
	53	4.8	65	4.5			31	51.579	GFL04-2M □□□063C11	406
	48	4.6	58	4.3			35	57.455	GFL04-2M □□□063C11	406
	42	3.9	52	3.6			39	64.636	GFL04-2M □□□063C11	406
	38	4.0	46	3.9			44	72.000	GFL04-2M □□□063C11	406
	32	2.0	39	1.9			52	85.156	GFL04-2M □□□063C11	406
	29	2.0	35	2.0			58	94.857	GFL04-2M □□□063C11	406
	27	5.4	33	5.2			61	101.547	GFL05-3M □□□063C11	414
	24	4.8	29	4.6			69	114.952	GFL05-3M □□□063C11	414
	21	4.2	26	4.1			78	129.524	GFL05-3M □□□063C11	414
	16	3.3	19	3.1			106	177.027	GFL05-3M □□□063C11	414
	14	2.7	17	2.7			120	199.467	GFL05-3M □□□063C11	414
	12	2.5	15	2.4			137	227.989	GFL05-3M □□□063C11	414
	11	2.1	13	2.1			154	256.889	GFL05-3M □□□063C11	414
	9.5	2.0	12	1.9			173	288.948	GFL05-3M □□□063C11	414
	8.4	1.7	10	1.6			195	325.576	GFL05-3M □□□063C11	414
	7.6	1.6	9.2	1.5			217	362.100	GFL05-3M □□□063C11	414
	7.5	3.0	9.1	2.9			220	367.200	GFL06-3M □□□063C11	414
	6.7	1.3	8.2	1.3			245	408.000	GFL05-3M □□□063C11	414
	6.6	2.5	8.1	2.4			248	413.667	GFL06-3M □□□063C11	414
	5.8	2.3	7	2.2			285	475.200	GFL06-3M □□□063C11	414
	5.7	1.2	7	1.2			286	477.052	GFL05-3M □□□063C11	414
	5.1	1.0	6.2	1.0			322	537.524	GFL05-3M □□□063C11	414
	5.1	1.9	6.2	1.8			321	535.333	GFL06-3M □□□063C11	414
	4.8	1.8	5.8	1.7			346	576.720	GFL06-3M □□□063C11	414
	4.2	1.6	5.1	1.5			390	649.700	GFL06-3M □□□063C11	414
	3.6	1.2	4.4	1.1			456	759.806	GFL06-3M □□□063C11	414
	3.2	1.1	3.9	1.1			513	855.954	GFL06-3M □□□063C11	414



50 Hz: P_N=0.18 kW
60 Hz: P_N=0.22 kW
87 Hz: P_N=0.33 kW

n _N	1365 r/min		1665 r/min		2475 r/min		M ₂ [Nm]	i		
f _N	50 Hz		60 Hz		87 Hz					
P _N	0.18 kW		0.22 kW		0.33 kW					
	n ₂ [r/min]	c	n ₂ [r/min]	c	n ₂ [r/min]	c				
	194	3.4	237	3.3	352	2.9	9.0	7.025	GFL04-2M □□□063C32	406
	85	3.4	104	3.3	154	2.9	20	16.087	GFL04-2M □□□063C32	406
	76	3.4	93	3.3	138	2.9	22	17.920	GFL04-2M □□□063C32	406
	67	3.2	81	3.1	121	2.7	25	20.519	GFL04-2M □□□063C32	406
	60	3.2	73	3.1	108	2.7	28	22.857	GFL04-2M □□□063C32	406
	43	3.5	53	3.5	78	3.4	39	31.600	GFL04-2M □□□063C32	406
	39	3.5	47	3.5	70	3.4	43	35.200	GFL04-2M □□□063C32	406
	34	2.9	41	2.9	61	2.8	50	40.697	GFL04-2M □□□063C32	406
	30	2.9	37	2.9	55	2.8	55	45.333	GFL04-2M □□□063C32	406
	27	2.6	32	2.6	48	2.5	63	51.579	GFL04-2M □□□063C32	406
	24	2.5	29	2.5	43	2.4	70	57.455	GFL04-2M □□□063C32	406
	22	2.8	27	2.8	40	2.7	74	61.653	GFL05-3M □□□063C32	414
	21	2.1	26	2.1	38	2.0	79	64.636	GFL04-2M □□□063C32	406
	21	3.2	25	3.2	37	3.2	80	66.213	GFL06-3M □□□063C32	414
	19	2.0	23	2.0	34	2.0	88	72.000	GFL04-2M □□□063C32	406
	19	3.2	23	3.2	34	3.2	87	72.000	GFL06-3M □□□063C32	414
	17	2.4	21	2.4	32	2.4	95	78.639	GFL05-3M □□□063C32	414
	17	3.2	21	3.2	31	3.2	98	81.111	GFL06-3M □□□063C32	414
	16	1.0	20	1.0	29	1.0	104	85.156	GFL04-2M □□□063C32	406
	15	2.8	19	2.8	28	2.8	109	90.123	GFL05-3M □□□063C32	414
	14	1.0	18	1.0	26	1.0	116	94.857	GFL04-2M □□□063C32	406
	13	2.7	16	2.7	24	2.7	122	101.547	GFL05-3M □□□063C32	414
	12	2.4	15	2.4	22	2.4	138	114.952	GFL05-3M □□□063C32	414
	12	2.9	14	2.9	21	2.9	140	116.571	GFL06-3M □□□063C32	414
	11	2.1	13	2.1	19	2.1	156	129.524	GFL05-3M □□□063C32	414
	10	3.2	13	3.2	19	3.2	158	131.323	GFL06-3M □□□063C32	414
	9.5	3.2	12	3.2	17	3.2	174	144.320	GFL06-3M □□□063C32	414
	8.4	3.1	10	3.1	15	3.1	196	162.583	GFL06-3M □□□063C32	414
	7.7	1.6	9.4	1.6	14	1.6	213	177.027	GFL05-3M □□□063C32	414
	7.6	2.8	9.3	2.8	14	2.8	216	179.520	GFL06-3M □□□063C32	414
	6.8	1.4	8.4	1.4	12	1.4	240	199.467	GFL05-3M □□□063C32	414
	6.8	2.5	8.2	2.5	12	2.5	243	202.237	GFL06-3M □□□063C32	414
	6	1.3	7.3	1.3	11	1.3	274	227.989	GFL05-3M □□□063C32	414
	5.9	2.3	7.2	2.3	11	2.3	278	231.200	GFL06-3M □□□063C32	414
	5.3	1.1	6.5	1.1	9.6	1.1	309	256.889	GFL05-3M □□□063C32	414
	5.2	2.0	6.4	2.0	9.5	2.0	313	260.457	GFL06-3M □□□063C32	414
	4.7	1.0	5.8	1.0	8.6	1.0	348	288.948	GFL05-3M □□□063C32	414
	4.7	1.9	5.7	1.9	8.5	1.9	353	293.018	GFL06-3M □□□063C32	414
	4.6	1.7	5.6	1.7	8.3	1.7	360	299.200	GFL06-3M □□□063C32	414
	4.2	0.8	5.1	0.8	7.6	0.8	392	325.576	GFL05-3M □□□063C32	414
	3.7	1.5	4.5	1.5	6.7	1.5	442	367.200	GFL06-3M □□□063C32	414



GFL

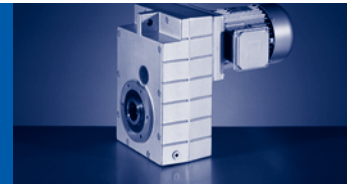
GFL [Nm] - MD□MA (IE1)

50 Hz: $P_N=0.18$ kW

60 Hz: $P_N=0.22$ kW

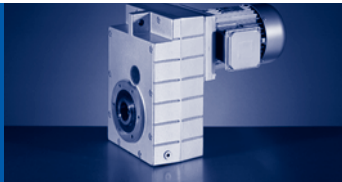
87 Hz: $P_N=0.33$ kW

n _N	1365 r/min		1665 r/min		2475 r/min		M ₂ [Nm]	i		
f _N	50 Hz		60 Hz		87 Hz					
P _N	0.18 kW		0.22 kW		0.33 kW					
	n ₂ [r/min]	c	n ₂ [r/min]	c	n ₂ [r/min]	c				
	3.3	1.2	4	1.2	6	1.2	498	413.667	GFL06-3M □□□063C32	414
	2.9	1.2	3.5	1.2	5.2	1.2	572	475.200	GFL06-3M □□□063C32	414
	2.6	1.0	3.1	1.0	4.6	1.0	644	535.333	GFL06-3M □□□063C32	414
	2.4	0.9	2.9	0.9	4.3	0.9	694	576.720	GFL06-3M □□□063C32	414



50 Hz: P_N=0.18 kW
60 Hz: P_N=0.22 kW

n _N	930 r/min		1130 r/min				M ₂ [Nm]	i		
f _N	50 Hz		60 Hz							
P _N	0.18 kW		0.22 kW							
	n ₂ [r/min]	c	n ₂ [r/min]	c						
	254	5.4	309	5.4			7.0	3.659	GFL04-2M □□□071C13	406
	185	5.4	225	5.4			9.0	5.018	GFL04-2M □□□071C13	406
	159	5.4	194	5.4			11	5.833	GFL04-2M □□□071C13	406
	145	5.4	177	5.4			12	6.400	GFL05-2M □□□071C13	406
	111	5.4	135	5.4			15	8.379	GFL04-2M □□□071C13	406
	100	5.4	121	5.4			17	9.333	GFL04-2M □□□071C13	406
	81	5.4	98	5.4			21	11.491	GFL04-2M □□□071C13	406
	73	5.4	88	5.4			23	12.800	GFL04-2M □□□071C13	406
	59	5.4	71	5.4			29	15.904	GFL05-2M □□□071C13	406
	52	5.2	63	5.2			32	17.920	GFL04-2M □□□071C13	406
	45	5.0	55	5.0			37	20.519	GFL04-2M □□□071C13	406
	41	4.1	49	4.1			41	22.857	GFL04-2M □□□071C13	406
	37	4.1	45	4.1			45	25.136	GFL04-2M □□□071C13	406
	33	3.4	40	3.4			50	28.000	GFL04-2M □□□071C13	406
	29	3.3	36	3.3			57	31.600	GFL04-2M □□□071C13	406
	26	2.7	32	2.7			63	35.200	GFL04-2M □□□071C13	406
	23	2.6	28	2.6			73	40.697	GFL04-2M □□□071C13	406
	21	2.1	25	2.1			81	45.333	GFL04-2M □□□071C13	406
	18	2.1	22	2.1			93	51.579	GFL04-2M □□□071C13	406
	16	1.7	20	1.7			103	57.455	GFL04-2M □□□071C13	406
	16	3.1	19	3.1			105	58.667	GFL05-2M □□□071C13	406
	15	1.9	18	1.9			109	61.653	GFL05-3M □□□071C13	414
	15	2.5	18	2.5			113	63.190	GFL05-2M □□□071C13	406
	14	1.4	18	1.4			116	64.636	GFL04-2M □□□071C13	406
	13	1.4	16	1.4			129	72.000	GFL04-2M □□□071C13	406
	13	2.4	16	2.4			128	71.200	GFL05-2M □□□071C13	406
	12	1.6	14	1.6			139	78.639	GFL05-3M □□□071C13	414
	12	3.0	14	3.0			145	81.000	GFL06-2M □□□071C13	406
	11	3.1	13	3.1			156	88.200	GFL06-3M □□□071C13	414
	10	1.5	12	1.5			163	91.000	GFL05-2M □□□071C13	406
	10	1.9	13	1.9			159	90.123	GFL05-3M □□□071C13	414
	10	2.9	12	2.9			164	91.250	GFL06-2M □□□071C13	406
	9.4	3.1	11	3.1			176	99.361	GFL06-3M □□□071C13	414
	9.2	1.8	11	1.8			179	101.547	GFL05-3M □□□071C13	414
	8.1	1.6	9.8	1.6			203	114.952	GFL05-3M □□□071C13	414
	8	2.6	9.7	2.6			206	116.571	GFL06-3M □□□071C13	414
	7.2	1.4	8.7	1.4			229	129.524	GFL05-3M □□□071C13	414
	7.1	2.6	8.6	2.6			232	131.323	GFL06-3M □□□071C13	414
	6.6	1.4	8	1.4			249	140.817	GFL05-3M □□□071C13	414
	6.4	2.2	7.8	2.2			255	144.320	GFL06-3M □□□071C13	414
	5.9	1.2	7.1	1.2			280	158.667	GFL05-3M □□□071C13	414



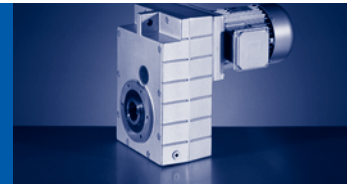
GFL

GFL [Nm] - MD□MA (IE1)

50 Hz: $P_N=0.18$ kW

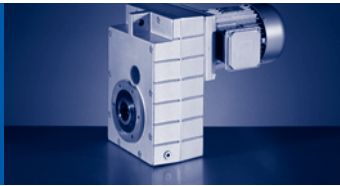
60 Hz: $P_N=0.22$ kW

n _N	930 r/min		1130 r/min				M ₂ [Nm]	i		
f _N	50 Hz		60 Hz							
P _N	0.18 kW		0.22 kW							
	n ₂ [r/min]	c	n ₂ [r/min]	c						
	5.7	2.1	7	2.1			287	162.583	GFL06-3M □□□071C13	414
	5.3	1.1	6.4	1.1			313	177.027	GFL05-3M □□□071C13	414
	5.2	1.9	6.3	1.9			317	179.520	GFL06-3M □□□071C13	414
	4.7	0.9	5.7	0.9			352	199.467	GFL05-3M □□□071C13	414
	4.6	1.7	5.6	1.7			357	202.237	GFL06-3M □□□071C13	414
	4.1	0.9	5	0.9			403	227.989	GFL05-3M □□□071C13	414
	4	1.6	4.9	1.6			408	231.200	GFL06-3M □□□071C13	414
	3.7	2.8	4.5	2.8			447	253.111	GFL07-3M □□□071C13	414
	3.6	1.3	4.3	1.3			460	260.457	GFL06-3M □□□071C13	414
	3.2	1.3	3.9	1.3			518	293.018	GFL06-3M □□□071C13	414
	3.2	2.7	3.9	2.7			514	290.706	GFL07-3M □□□071C13	414
	3.1	1.2	3.8	1.2			529	299.200	GFL06-3M □□□071C13	414
	2.8	2.2	3.5	2.2			579	327.556	GFL07-3M □□□071C13	414
	2.6	2.2	3.2	2.2			623	352.811	GFL07-3M □□□071C13	414
	2.5	1.0	3.1	1.0			649	367.200	GFL06-3M □□□071C13	414
	2.3	0.8	2.7	0.8			731	413.667	GFL06-3M □□□071C13	414
	2.3	1.8	2.8	1.8			702	397.533	GFL07-3M □□□071C13	414
	2.2	1.7	2.6	1.7			760	430.222	GFL07-3M □□□071C13	414
	1.8	1.4	2.2	1.4			922	522.133	GFL07-3M □□□071C13	414
	1.8	3.0	2.2	3.0			909	514.881	GFL09-3M □□□071C13	414
	1.7	1.1	2	1.1			993	562.391	GFL07-3M □□□071C13	414
	1.7	2.2	2	2.2			979	554.470	GFL09-3M □□□071C13	414
	1.5	1.1	1.8	1.1			1119	633.680	GFL07-3M □□□071C13	414
	1.5	2.1	1.8	2.1			1104	624.879	GFL09-3M □□□071C13	414
	1.3	0.9	1.6	0.9			1270	718.786	GFL07-3M □□□071C13	414
	1.3	1.7	1.6	1.7			1238	700.875	GFL09-3M □□□071C13	414
	1.2	0.9	1.4	0.9			1431	809.900	GFL07-3M □□□071C13	414
	1.2	1.6	1.4	1.6			1395	789.875	GFL09-3M □□□071C13	414



50 Hz: P_N=0.25 kW
60 Hz: P_N=0.31 kW

n _N	2710 r/min		3310 r/min				M ₂ [Nm]	i		
f _N	50 Hz		60 Hz							
P _N	0.25 kW		0.31 kW							
	n ₂ [r/min]	c	n ₂ [r/min]	c						
	386	4.0	471	3.8			6.0	7.025	GFL04-2M □□□063C31	406
	169	4.0	206	3.8			14	16.087	GFL04-2M □□□063C31	406
	151	4.0	185	3.8			15	17.920	GFL04-2M □□□063C31	406
	132	3.8	161	3.5			18	20.519	GFL04-2M □□□063C31	406
	119	3.8	145	3.5			20	22.857	GFL04-2M □□□063C31	406
	86	4.7	105	4.4			27	31.600	GFL04-2M □□□063C31	406
	77	4.7	94	4.4			30	35.200	GFL04-2M □□□063C31	406
	67	3.9	81	3.7			35	40.697	GFL04-2M □□□063C31	406
	60	3.9	73	3.7			39	45.333	GFL04-2M □□□063C31	406
	53	3.4	64	3.2			44	51.579	GFL04-2M □□□063C31	406
	47	3.3	58	3.1			49	57.455	GFL04-2M □□□063C31	406
	42	2.8	51	2.6			55	64.636	GFL04-2M □□□063C31	406
	38	2.9	46	2.8			62	72.000	GFL04-2M □□□063C31	406
	32	1.4	39	1.4			73	85.156	GFL04-2M □□□063C31	406
	29	1.4	35	1.4			81	94.857	GFL04-2M □□□063C31	406
	27	3.8	33	3.7			86	101.547	GFL05-3M □□□063C31	414
	24	3.4	29	3.3			97	114.952	GFL05-3M □□□063C31	414
	21	3.0	26	2.9			109	129.524	GFL05-3M □□□063C31	414
	19	4.6	23	4.5			122	144.320	GFL06-3M □□□063C31	414
	17	4.5	20	4.3			137	162.583	GFL06-3M □□□063C31	414
	15	2.3	19	2.2			149	177.027	GFL05-3M □□□063C31	414
	14	2.0	17	1.9			168	199.467	GFL05-3M □□□063C31	414
	12	1.8	15	1.7			192	227.989	GFL05-3M □□□063C31	414
	11	1.5	13	1.5			216	256.889	GFL05-3M □□□063C31	414
	10	2.8	13	2.7			219	260.457	GFL06-3M □□□063C31	414
	9.4	1.4	12	1.4			243	288.948	GFL05-3M □□□063C31	414
	9.3	2.7	11	2.6			247	293.018	GFL06-3M □□□063C31	414
	9.1	2.4	11	2.4			252	299.200	GFL06-3M □□□063C31	414
	8.3	1.2	10	1.2			274	325.576	GFL05-3M □□□063C31	414
	7.5	1.1	9.1	1.1			305	362.100	GFL05-3M □□□063C31	414
	7.4	2.1	9	2.1			309	367.200	GFL06-3M □□□063C31	414
	6.6	1.0	8.1	0.9			344	408.000	GFL05-3M □□□063C31	414
	6.6	1.8	8	1.7			348	413.667	GFL06-3M □□□063C31	414
	5.7	0.9	6.9	0.8			402	477.052	GFL05-3M □□□063C31	414
	5.7	1.6	7	1.6			400	475.200	GFL06-3M □□□063C31	414
	5.1	1.4	6.2	1.3			451	535.333	GFL06-3M □□□063C31	414
	4.7	1.3	5.7	1.2			486	576.720	GFL06-3M □□□063C31	414
	4.2	1.1	5.1	1.1			547	649.700	GFL06-3M □□□063C31	414
	3.6	0.8					640	759.806	GFL06-3M □□□063C31	414



GFL

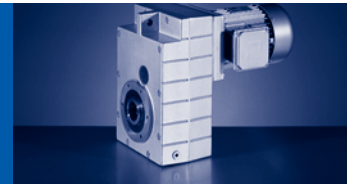
GFL [Nm] - MD□MA (IE1)

50 Hz: P_N=0.25 kW

60 Hz: P_N=0.31 kW

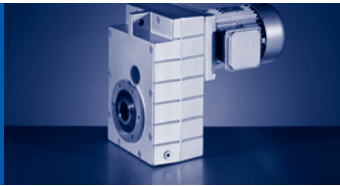
87 Hz: P_N=0.45 kW

n _N	1370 r/min		1670 r/min		2480 r/min		M ₂ [Nm]	i		
f _N	50 Hz		60 Hz		87 Hz					
P _N	0.25 kW		0.31 kW		0.45 kW					
	n ₂ [r/min]	c	n ₂ [r/min]	c	n ₂ [r/min]	c				
	374	4.6	456	4.4	678	3.9	6.0	3.659	GFL04-2M □□□063C42	406
	273	4.6	333	4.4	494	3.9	9.0	5.018	GFL04-2M □□□063C42	406
	235	4.6	286	4.4	425	3.9	10	5.833	GFL04-2M □□□063C42	406
	214	4.6	261	4.4	388	3.9	11	6.400	GFL05-2M □□□063C42	406
	195	5.2	238	5.0	353	4.4	12	7.025	GFL04-2M □□□063C42	406
	164	4.6	199	4.4	296	3.9	14	8.379	GFL04-2M □□□063C42	406
	147	4.6	179	4.4	266	3.9	16	9.333	GFL04-2M □□□063C42	406
	134	5.2	163	5.0	242	4.4	17	10.238	GFL04-2M □□□063C42	406
	119	4.6	145	4.4	216	3.9	19	11.491	GFL04-2M □□□063C42	406
	107	4.6	131	4.4	194	3.9	22	12.800	GFL04-2M □□□063C42	406
	93	5.2	114	5.0	169	4.4	25	14.706	GFL04-2M □□□063C42	406
	86	4.6	105	4.4	156	3.9	27	15.904	GFL05-2M □□□063C42	406
	77	4.6	93	4.4	138	3.9	30	17.920	GFL05-2M □□□063C42	406
	67	4.8	81	4.6	121	4.1	35	20.519	GFL04-2M □□□063C42	406
	60	4.3	73	4.2	109	3.7	39	22.857	GFL04-2M □□□063C42	406
	55	4.3	66	4.3	99	4.1	43	25.136	GFL04-2M □□□063C42	406
	49	3.6	60	3.6	89	3.4	47	28.000	GFL04-2M □□□063C42	406
	43	3.5	53	3.5	79	3.3	53	31.600	GFL04-2M □□□063C42	406
	39	2.9	47	2.9	71	2.7	60	35.200	GFL04-2M □□□063C42	406
	34	2.7	41	2.7	61	2.6	69	40.697	GFL04-2M □□□063C42	406
	30	2.2	37	2.2	55	2.2	77	45.333	GFL04-2M □□□063C42	406
	27	2.2	32	2.2	48	2.1	87	51.579	GFL04-2M □□□063C42	406
	24	1.8	29	1.8	43	1.7	97	57.455	GFL04-2M □□□063C42	406
	23	3.3	29	3.3	42	3.1	99	58.667	GFL05-2M □□□063C42	406
	22	2.0	27	2.0	40	1.9	103	61.653	GFL05-3M □□□063C42	414
	22	2.6	26	2.6	39	2.5	107	63.190	GFL05-2M □□□063C42	406
	21	1.2	26	1.2	38	1.2	109	64.636	GFL04-2M □□□063C42	406
	21	3.2	26	3.2	39	3.1	108	64.080	GFL06-2M □□□063C42	406
	19	1.2	23	1.2	34	1.2	122	72.000	GFL04-2M □□□063C42	406
	19	2.5	24	2.5	35	2.5	120	71.200	GFL05-2M □□□063C42	406
	19	3.2	23	3.2	34	3.2	122	72.189	GFL06-2M □□□063C42	406
	17	1.7	21	1.7	32	1.7	131	78.639	GFL05-3M □□□063C42	414
	17	2.6	21	2.6	31	2.6	137	81.000	GFL06-2M □□□063C42	406
	15	1.4	18	1.4	27	1.4	154	91.000	GFL05-2M □□□063C42	406
	15	2.0	19	2.0	28	2.0	150	90.123	GFL05-3M □□□063C42	414
	15	2.6	18	2.6	27	2.6	154	91.250	GFL06-2M □□□063C42	406
	14	1.9	16	1.9	24	1.9	169	101.547	GFL05-3M □□□063C42	414
	12	1.7	15	1.7	22	1.7	191	114.952	GFL05-3M □□□063C42	414
	12	2.7	14	2.7	21	2.7	194	116.571	GFL06-3M □□□063C42	414
	11	1.5	13	1.5	19	1.5	216	129.524	GFL05-3M □□□063C42	414
	10	2.7	13	2.7	19	2.7	219	131.323	GFL06-3M □□□063C42	414



50 Hz: P_N=0.25 kW
60 Hz: P_N=0.31 kW
87 Hz: P_N=0.45 kW

n _N	1370 r/min		1670 r/min		2480 r/min		M ₂ [Nm]	i		
f _N	50 Hz		60 Hz		87 Hz					
P _N	0.25 kW		0.31 kW		0.45 kW					
	n ₂ [r/min]	c	n ₂ [r/min]	c	n ₂ [r/min]	c				
	9.7	1.5	12	1.5	18	1.5	235	140.817	GFL05-3M □□□063C42	414
	9.5	2.3	12	2.3	17	2.3	240	144.320	GFL06-3M □□□063C42	414
	8.6	1.2	11	1.2	16	1.2	264	158.667	GFL05-3M □□□063C42	414
	8.4	2.3	10	2.3	15	2.3	271	162.583	GFL06-3M □□□063C42	414
	7.7	1.2	9.4	1.2	14	1.2	295	177.027	GFL05-3M □□□063C42	414
	7.6	2.0	9.3	2.0	14	2.0	299	179.520	GFL06-3M □□□063C42	414
	6.9	1.0	8.4	1.0	12	1.0	332	199.467	GFL05-3M □□□063C42	414
	6.8	1.8	8.3	1.8	12	1.8	337	202.237	GFL06-3M □□□063C42	414
	6	0.9	7.3	0.9	11	0.9	380	227.989	GFL05-3M □□□063C42	414
	5.9	1.7	7.2	1.7	11	1.7	385	231.200	GFL06-3M □□□063C42	414
	5.4	3.0	6.6	3.0	9.8	3.0	422	253.111	GFL07-3M □□□063C42	414
	5.3	1.4	6.4	1.4	9.5	1.4	434	260.457	GFL06-3M □□□063C42	414
	4.7	1.4	5.7	1.4	8.5	1.4	488	293.018	GFL06-3M □□□063C42	414
	4.7	2.9	5.7	2.9	8.5	2.9	484	290.706	GFL07-3M □□□063C42	414
	4.6	1.2	5.6	1.2	8.3	1.2	498	299.200	GFL06-3M □□□063C42	414
	4.2	2.3	5.1	2.3	7.6	2.3	546	327.556	GFL07-3M □□□063C42	414
	3.9	2.4	4.7	2.4	7	2.4	588	352.811	GFL07-3M □□□063C42	414
	3.9	3.2	4.7	3.2	7	3.2	588	353.033	GFL09-3M □□□063C42	414
	3.7	1.1	4.6	1.1	6.8	1.1	612	367.200	GFL06-3M □□□063C42	414
	3.5	1.9	4.2	1.9	6.2	1.9	662	397.533	GFL07-3M □□□063C42	414
	3.4	3.2	4.2	3.2	6.2	3.2	663	397.863	GFL09-3M □□□063C42	414
	3.3	0.9	4	0.9	6	0.9	689	413.667	GFL06-3M □□□063C42	414
	3.2	1.8	3.9	1.8	5.8	1.8	717	430.222	GFL07-3M □□□063C42	414
	2.9	0.8	3.5	0.8	5.2	0.8	791	475.200	GFL06-3M □□□063C42	414
	2.7	3.2	3.2	3.2	4.8	3.2	857	514.881	GFL09-3M □□□063C42	414
	2.6	1.5	3.2	1.5	4.8	1.5	870	522.133	GFL07-3M □□□063C42	414
	2.5	2.3	3	2.3	4.5	2.3	923	554.470	GFL09-3M □□□063C42	414
	2.4	1.2	3	1.2	4.4	1.2	937	562.391	GFL07-3M □□□063C42	414
	2.2	1.2	2.6	1.2	3.9	1.2	1055	633.680	GFL07-3M □□□063C42	414
	2.2	2.2	2.7	2.2	4	2.2	1041	624.879	GFL09-3M □□□063C42	414
	2	1.8	2.4	1.8	3.5	1.8	1167	700.875	GFL09-3M □□□063C42	414
	1.9	0.9	2.3	0.9	3.5	0.9	1197	718.786	GFL07-3M □□□063C42	414
	1.7	0.9	2.1	0.9	3.1	0.9	1349	809.900	GFL07-3M □□□063C42	414
	1.7	1.7	2.1	1.7	3.1	1.7	1315	789.875	GFL09-3M □□□063C42	414



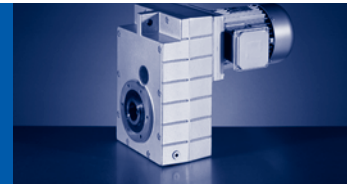
GFL

GFL [Nm] - MD□MA (IE1)

50 Hz: $P_N=0.25$ kW

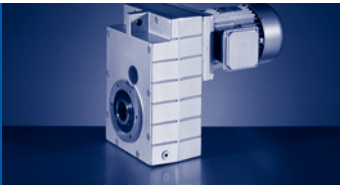
60 Hz: $P_N=0.3$ kW

n _N	930 r/min		1130 r/min				M ₂ [Nm]	i		
f _N	50 Hz		60 Hz							
P _N	0.25 kW		0.3 kW							
	n ₂ [r/min]	c	n ₂ [r/min]	c						
	254	3.9	309	3.9			9.0	3.659	GFL04-2M □□□071C33	406
	185	3.9	225	3.9			13	5.018	GFL04-2M □□□071C33	406
	159	3.9	194	3.9			15	5.833	GFL04-2M □□□071C33	406
	145	3.9	177	3.9			16	6.400	GFL05-2M □□□071C33	406
	132	4.4	161	4.4			18	7.025	GFL04-2M □□□071C33	406
	111	3.9	135	3.9			21	8.379	GFL04-2M □□□071C33	406
	100	3.9	121	3.9			23	9.333	GFL04-2M □□□071C33	406
	91	4.4	110	4.4			26	10.238	GFL04-2M □□□071C33	406
	81	3.9	98	3.9			29	11.491	GFL04-2M □□□071C33	406
	73	3.9	88	3.9			32	12.800	GFL04-2M □□□071C33	406
	63	4.4	77	4.4			37	14.706	GFL04-2M □□□071C33	406
	59	3.9	71	3.9			40	15.904	GFL05-2M □□□071C33	406
	52	3.7	63	3.7			45	17.920	GFL04-2M □□□071C33	406
	45	3.6	55	3.6			51	20.519	GFL04-2M □□□071C33	406
	41	2.9	49	2.9			57	22.857	GFL04-2M □□□071C33	406
	37	2.9	45	2.9			63	25.136	GFL04-2M □□□071C33	406
	33	2.4	40	2.4			70	28.000	GFL04-2M □□□071C33	406
	29	2.4	36	2.4			79	31.600	GFL04-2M □□□071C33	406
	26	1.9	32	1.9			88	35.200	GFL04-2M □□□071C33	406
	23	1.8	28	1.8			101	40.697	GFL04-2M □□□071C33	406
	23	3.1	28	3.1			100	40.233	GFL05-2M □□□071C33	406
	21	1.5	25	1.5			113	45.333	GFL04-2M □□□071C33	406
	21	2.8	25	2.8			113	45.333	GFL05-2M □□□071C33	406
	18	1.5	22	1.5			129	51.579	GFL04-2M □□□071C33	406
	18	2.4	22	2.4			130	52.067	GFL05-2M □□□071C33	406
	18	3.1	21	3.1			132	52.800	GFL06-2M □□□071C33	406
	16	1.2	20	1.2			143	57.455	GFL04-2M □□□071C33	406
	16	2.2	19	2.2			146	58.667	GFL05-2M □□□071C33	406
	16	3.1	19	3.1			148	59.481	GFL06-2M □□□071C33	406
	15	1.4	18	1.4			151	61.653	GFL05-3M □□□071C33	414
	15	1.8	18	1.8			157	63.190	GFL05-2M □□□071C33	406
	15	2.7	18	2.7			160	64.080	GFL06-2M □□□071C33	406
	14	1.0	18	1.0			161	64.636	GFL04-2M □□□071C33	406
	14	3.1	17	3.1			162	66.213	GFL06-3M □□□071C33	414
	13	1.0	16	1.0			179	72.000	GFL04-2M □□□071C33	406
	13	1.7	16	1.7			177	71.200	GFL05-2M □□□071C33	406
	13	2.7	16	2.7			180	72.189	GFL06-2M □□□071C33	406
	13	2.8	16	2.8			177	72.000	GFL06-3M □□□071C33	414
	12	1.2	14	1.2			193	78.639	GFL05-3M □□□071C33	414
	12	2.2	14	2.2			202	81.000	GFL06-2M □□□071C33	406
	12	2.5	14	2.5			199	81.111	GFL06-3M □□□071C33	414



50 Hz: P_N=0.25 kW
60 Hz: P_N=0.3 kW

n _N	930 r/min		1130 r/min				M ₂ [Nm]	i		
f _N	50 Hz		60 Hz							
P _N	0.25 kW		0.3 kW							
	n ₂ [r/min]	c	n ₂ [r/min]	c						
	11	2.3	13	2.3			216	88.200	GFL06-3M □□□071C33	414
	10	1.0	12	1.0			227	91.000	GFL05-2M □□□071C33	406
	10	1.4	13	1.4			221	90.123	GFL05-3M □□□071C33	414
	10	2.1	12	2.1			227	91.250	GFL06-2M □□□071C33	406
	9.4	2.3	11	2.3			244	99.361	GFL06-3M □□□071C33	414
	9.2	1.3	11	1.3			249	101.547	GFL05-3M □□□071C33	414
	8.1	1.2	9.8	1.2			282	114.952	GFL05-3M □□□071C33	414
	8	1.9	9.7	1.9			286	116.571	GFL06-3M □□□071C33	414
	7.2	1.0	8.7	1.0			318	129.524	GFL05-3M □□□071C33	414
	7.1	1.9	8.6	1.9			322	131.323	GFL06-3M □□□071C33	414
	6.6	1.0	8	1.0			346	140.817	GFL05-3M □□□071C33	414
	6.4	1.6	7.8	1.6			354	144.320	GFL06-3M □□□071C33	414
	6.3	3.2	7.7	3.2			362	147.347	GFL07-3M □□□071C33	414
	5.9	0.8	7.1	0.8			389	158.667	GFL05-3M □□□071C33	414
	5.7	1.5	7	1.5			399	162.583	GFL06-3M □□□071C33	414
	5.6	3.1	6.8	3.1			407	166.025	GFL07-3M □□□071C33	414
	5.2	1.4	6.3	1.4			440	179.520	GFL06-3M □□□071C33	414
	5.1	2.8	6.2	2.8			450	183.285	GFL07-3M □□□071C33	414
	4.6	1.2	5.6	1.2			496	202.237	GFL06-3M □□□071C33	414
	4.5	2.5	5.5	2.5			507	206.519	GFL07-3M □□□071C33	414
	4.1	2.4	5	2.4			551	224.636	GFL07-3M □□□071C33	414
	4	1.1	4.9	1.1			567	231.200	GFL06-3M □□□071C33	414
	3.7	2.0	4.5	2.0			621	253.111	GFL07-3M □□□071C33	414
	3.6	1.0	4.3	1.0			639	260.457	GFL06-3M □□□071C33	414
	3.2	0.9	3.9	0.9			719	293.018	GFL06-3M □□□071C33	414
	3.2	1.9	3.9	1.9			713	290.706	GFL07-3M □□□071C33	414
	3.2	3.1	3.9	3.1			714	290.889	GFL09-3M □□□071C33	414
	3.1	0.8	3.8	0.8			734	299.200	GFL06-3M □□□071C33	414
	2.8	1.6	3.5	1.6			804	327.556	GFL07-3M □□□071C33	414
	2.8	3.1	3.5	3.1			804	327.827	GFL09-3M □□□071C33	414
	2.6	1.6	3.2	1.6			866	352.811	GFL07-3M □□□071C33	414
	2.6	2.7	3.2	2.7			866	353.033	GFL09-3M □□□071C33	414
	2.3	1.3	2.8	1.3			975	397.533	GFL07-3M □□□071C33	414
	2.3	2.7	2.8	2.7			976	397.863	GFL09-3M □□□071C33	414
	2.2	1.2	2.6	1.2			1055	430.222	GFL07-3M □□□071C33	414
	2.2	2.6	2.7	2.6			1041	424.247	GFL09-3M □□□071C33	414
	1.8	1.0	2.2	1.0			1281	522.133	GFL07-3M □□□071C33	414
	1.8	2.2	2.2	2.2			1263	514.881	GFL09-3M □□□071C33	414
	1.7	0.8	2	0.8			1380	562.391	GFL07-3M □□□071C33	414
	1.7	1.6	2	1.6			1360	554.470	GFL09-3M □□□071C33	414
	1.5	1.5	1.8	1.5			1533	624.879	GFL09-3M □□□071C33	414



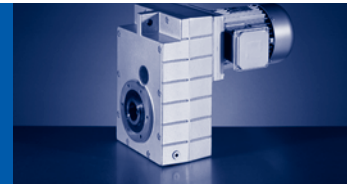
GFL

GFL [Nm] - MD□MA (IE1)

50 Hz: $P_N=0.25$ kW

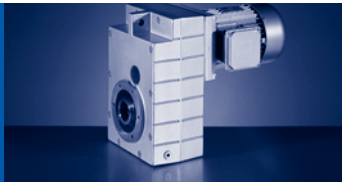
60 Hz: $P_N=0.3$ kW

n _N	930 r/min		1130 r/min				M ₂ [Nm]	i		
f _N	50 Hz		60 Hz							
P _N	0.25 kW		0.3 kW							
	n ₂ [r/min]	c	n ₂ [r/min]	c						
	1.3	1.2	1.6	1.2			1719	700.875	GFL09-3M □□□071C33	414
	1.2	1.2	1.4	1.2			1938	789.875	GFL09-3M □□□071C33	414



50 Hz: P_N=0.37 kW
60 Hz: P_N=0.45 kW

n _N	2720 r/min		3320 r/min				M ₂ [Nm]	i		
f _N	50 Hz		60 Hz							
P _N	0.37 kW		0.45 kW							
	n ₂ [r/min]	c	n ₂ [r/min]	c						
	133	5.8	162	5.4			26	20.519	GFL04-2M □□□071C11	406
	119	4.8	145	4.5			29	22.857	GFL04-2M □□□071C11	406
	108	5.4	132	5.0			32	25.136	GFL04-2M □□□071C11	406
	97	4.4	119	4.2			35	28.000	GFL04-2M □□□071C11	406
	86	4.3	105	4.1			40	31.600	GFL04-2M □□□071C11	406
	77	3.6	94	3.3			44	35.200	GFL04-2M □□□071C11	406
	67	3.4	82	3.2			51	40.697	GFL04-2M □□□071C11	406
	60	2.8	73	2.6			57	45.333	GFL04-2M □□□071C11	406
	53	2.7	64	2.6			65	51.579	GFL04-2M □□□071C11	406
	47	2.2	58	2.1			72	57.455	GFL04-2M □□□071C11	406
	44	2.5	54	2.4			77	61.653	GFL05-3M □□□071C11	414
	42	1.9	51	1.8			82	64.636	GFL04-2M □□□071C11	406
	38	2.0	46	1.9			91	72.000	GFL04-2M □□□071C11	406
	35	2.3	42	2.2			98	78.639	GFL05-3M □□□071C11	414
	30	2.1	37	2.0			115	91.000	GFL05-2M □□□071C11	406
	30	2.7	37	2.6			112	90.123	GFL05-3M □□□071C11	414
	27	2.6	33	2.5			126	101.547	GFL05-3M □□□071C11	414
	24	2.3	29	2.2			143	114.952	GFL05-3M □□□071C11	414
	21	2.0	26	2.0			161	129.524	GFL05-3M □□□071C11	414
	19	2.0	24	1.9			175	140.817	GFL05-3M □□□071C11	414
	19	3.1	23	3.0			179	144.320	GFL06-3M □□□071C11	414
	17	1.7	21	1.6			197	158.667	GFL05-3M □□□071C11	414
	17	3.0	20	2.9			202	162.583	GFL06-3M □□□071C11	414
	15	1.6	19	1.5			220	177.027	GFL05-3M □□□071C11	414
	15	2.7	19	2.6			223	179.520	GFL06-3M □□□071C11	414
	14	1.3	17	1.3			248	199.467	GFL05-3M □□□071C11	414
	13	2.4	16	2.4			251	202.237	GFL06-3M □□□071C11	414
	12	1.2	15	1.2			283	227.989	GFL05-3M □□□071C11	414
	12	2.2	14	2.1			287	231.200	GFL06-3M □□□071C11	414
	11	1.0	13	1.0			319	256.889	GFL05-3M □□□071C11	414
	10	1.9	13	1.8			323	260.457	GFL06-3M □□□071C11	414
	9.4	1.0	12	0.9			359	288.948	GFL05-3M □□□071C11	414
	9.3	1.8	11	1.8			364	293.018	GFL06-3M □□□071C11	414
	9.1	1.7	11	1.6			371	299.200	GFL06-3M □□□071C11	414
	8.4	0.8					404	325.576	GFL05-3M □□□071C11	414
	8.3	3.1	10	3.0			407	327.556	GFL07-3M □□□071C11	414
	7.7	3.2	9.4	3.0			438	352.811	GFL07-3M □□□071C11	414
	7.4	1.4	9	1.4			456	367.200	GFL06-3M □□□071C11	414
	6.8	2.6	8.4	2.5			494	397.533	GFL07-3M □□□071C11	414
	6.6	1.2	8	1.2			514	413.667	GFL06-3M □□□071C11	414
	6.3	2.4	7.7	2.3			534	430.222	GFL07-3M □□□071C11	414



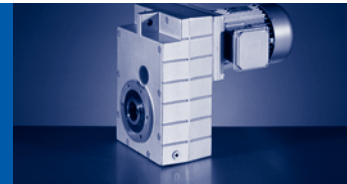
GFL

GFL [Nm] - MD□MA (IE1)

50 Hz: $P_N=0.37$ kW

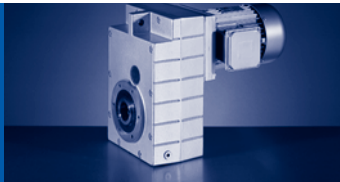
60 Hz: $P_N=0.45$ kW

n _N	2720 r/min		3320 r/min				M ₂ [Nm]	i		
f _N	50 Hz		60 Hz							
P _N	0.37 kW		0.45 kW							
	n ₂ [r/min]	c	n ₂ [r/min]	c						
	5.7	1.1	7	1.1			590	475.200	GFL06-3M □□□071C11	414
	5.2	2.0	6.4	1.9			648	522.133	GFL07-3M □□□071C11	414
	5.1	0.9	6.2	0.9			665	535.333	GFL06-3M □□□071C11	414
	4.9	3.1	6	3.0			688	554.470	GFL09-3M □□□071C11	414
	4.8	1.6	5.9	1.6			698	562.391	GFL07-3M □□□071C11	414
	4.7	0.9	5.8	0.8			716	576.720	GFL06-3M □□□071C11	414
	4.4	2.9	5.3	2.8			776	624.879	GFL09-3M □□□071C11	414
	4.3	1.6	5.2	1.5			787	633.680	GFL07-3M □□□071C11	414
	3.9	2.4	4.7	2.4			870	700.875	GFL09-3M □□□071C11	414
	3.8	1.3	4.6	1.2			892	718.786	GFL07-3M □□□071C11	414
	3.4	1.2	4.1	1.2			1005	809.900	GFL07-3M □□□071C11	414
	3.4	2.3	4.2	2.2			981	789.875	GFL09-3M □□□071C11	414



50 Hz: P_N=0.37 kW
60 Hz: P_N=0.45 kW
87 Hz: P_N=0.66 kW

n _N	1410 r/min		1710 r/min		2520 r/min		M ₂ [Nm]	i		
f _N	50 Hz		60 Hz		87 Hz					
P _N	0.37 kW		0.45 kW		0.66 kW					
	n ₂ [r/min]	c	n ₂ [r/min]	c	n ₂ [r/min]	c				
	385	4.0	467	3.8	689	3.3	9.0	3.659	GFL04-2M □□□071C32	406
	281	4.0	341	3.8	502	3.3	12	5.018	GFL04-2M □□□071C32	406
	242	4.0	293	3.8	432	3.3	14	5.833	GFL04-2M □□□071C32	406
	220	4.0	267	3.8	394	3.3	16	6.400	GFL05-2M □□□071C32	406
	201	4.5	243	4.3	359	3.8	17	7.025	GFL04-2M □□□071C32	406
	168	4.0	204	3.8	301	3.3	20	8.379	GFL04-2M □□□071C32	406
	151	4.0	183	3.8	270	3.3	23	9.333	GFL04-2M □□□071C32	406
	138	4.5	167	4.4	246	3.8	25	10.238	GFL04-2M □□□071C32	406
	123	4.0	149	3.8	219	3.3	28	11.491	GFL04-2M □□□071C32	406
	110	4.0	134	3.8	197	3.3	31	12.800	GFL04-2M □□□071C32	406
	96	4.5	116	4.4	171	3.8	36	14.706	GFL04-2M □□□071C32	406
	89	4.0	108	3.8	159	3.3	39	15.904	GFL05-2M □□□071C32	406
	79	3.8	95	3.7	141	3.2	44	17.920	GFL04-2M □□□071C32	406
	69	3.7	83	3.5	123	3.1	50	20.519	GFL04-2M □□□071C32	406
	62	3.0	75	2.9	110	2.5	56	22.857	GFL04-2M □□□071C32	406
	56	3.0	68	3.0	100	2.9	61	25.136	GFL04-2M □□□071C32	406
	50	2.5	61	2.5	90	2.4	68	28.000	GFL04-2M □□□071C32	406
	45	2.4	54	2.4	80	2.3	77	31.600	GFL04-2M □□□071C32	406
	40	2.0	49	2.0	72	1.9	86	35.200	GFL04-2M □□□071C32	406
	35	1.9	42	1.9	62	1.8	99	40.697	GFL04-2M □□□071C32	406
	35	3.2	43	3.2	63	3.0	98	40.233	GFL05-2M □□□071C32	406
	31	1.6	38	1.6	56	1.5	110	45.333	GFL04-2M □□□071C32	406
	31	2.9	38	2.9	56	2.8	110	45.333	GFL05-2M □□□071C32	406
	27	1.5	33	1.5	49	1.5	125	51.579	GFL04-2M □□□071C32	406
	27	2.4	33	2.4	48	2.3	127	52.067	GFL05-2M □□□071C32	406
	27	3.2	32	3.2	48	3.0	128	52.800	GFL06-2M □□□071C32	406
	25	1.3	30	1.3	44	1.2	140	57.455	GFL04-2M □□□071C32	406
	24	2.3	29	2.3	43	2.2	143	58.667	GFL05-2M □□□071C32	406
	24	3.2	29	3.2	42	3.0	145	59.481	GFL06-2M □□□071C32	406
	23	1.4	28	1.4	41	1.3	148	61.653	GFL05-3M □□□071C32	414
	22	1.0	27	1.0	39	1.0	157	64.636	GFL04-2M □□□071C32	406
	22	1.8	27	1.8	40	1.8	154	63.190	GFL05-2M □□□071C32	406
	22	2.8	27	2.8	39	2.7	156	64.080	GFL06-2M □□□071C32	406
	21	3.1	26	3.1	38	3.1	159	66.213	GFL06-3M □□□071C32	414
	20	1.0	24	1.0	35	1.0	175	72.000	GFL04-2M □□□071C32	406
	20	1.8	24	1.8	35	1.8	173	71.200	GFL05-2M □□□071C32	406
	20	2.8	24	2.8	35	2.8	176	72.189	GFL06-2M □□□071C32	406
	20	2.9	24	2.9	35	2.9	172	72.000	GFL06-3M □□□071C32	414
	18	1.2	22	1.2	32	1.2	188	78.639	GFL05-3M □□□071C32	414
	17	2.2	21	2.2	31	2.2	197	81.000	GFL06-2M □□□071C32	406
	17	2.6	21	2.6	31	2.6	194	81.111	GFL06-3M □□□071C32	414



GFL

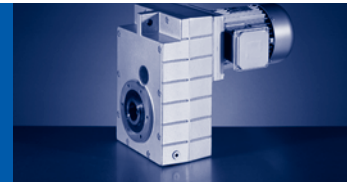
GFL [Nm] - MD□MA (IE1)

50 Hz: $P_N=0.37$ kW

60 Hz: $P_N=0.45$ kW

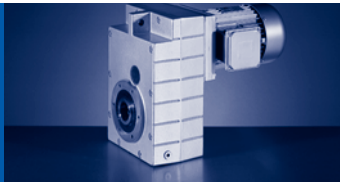
87 Hz: $P_N=0.66$ kW

n _N	1410 r/min		1710 r/min		2520 r/min		M ₂ [Nm]	i		
f _N	50 Hz		60 Hz		87 Hz					
P _N	0.37 kW		0.45 kW		0.66 kW					
	n ₂ [r/min]	c	n ₂ [r/min]	c	n ₂ [r/min]	c				
	16	1.1	19	1.1	28	1.1	221	91.000	GFL05-2M □□□071C32	406
	16	1.4	19	1.4	28	1.4	216	90.123	GFL05-3M □□□071C32	414
	16	2.2	19	2.2	28	2.2	222	91.250	GFL06-2M □□□071C32	406
	16	2.3	19	2.3	29	2.3	211	88.200	GFL06-3M □□□071C32	414
	14	1.4	17	1.4	25	1.4	243	101.547	GFL05-3M □□□071C32	414
	14	2.3	17	2.3	25	2.3	238	99.361	GFL06-3M □□□071C32	414
	12	1.2	15	1.2	22	1.2	275	114.952	GFL05-3M □□□071C32	414
	12	1.9	15	1.9	22	1.9	279	116.571	GFL06-3M □□□071C32	414
	11	1.1	13	1.1	20	1.1	310	129.524	GFL05-3M □□□071C32	414
	11	1.9	13	1.9	19	1.9	315	131.323	GFL06-3M □□□071C32	414
	10	1.0	12	1.0	18	1.0	337	140.817	GFL05-3M □□□071C32	414
	9.8	1.6	12	1.6	18	1.6	346	144.320	GFL06-3M □□□071C32	414
	9.6	3.2	12	3.2	17	3.2	353	147.347	GFL07-3M □□□071C32	414
	8.9	0.9	11	0.9	16	0.9	380	158.667	GFL05-3M □□□071C32	414
	8.7	1.6	11	1.6	16	1.6	389	162.583	GFL06-3M □□□071C32	414
	8.5	3.1	10	3.1	15	3.1	398	166.025	GFL07-3M □□□071C32	414
	8	0.8	9.7	0.8	14	0.8	424	177.027	GFL05-3M □□□071C32	414
	7.9	1.4	9.5	1.4	14	1.4	430	179.520	GFL06-3M □□□071C32	414
	7.7	2.8	9.3	2.8	14	2.8	439	183.285	GFL07-3M □□□071C32	414
	7	1.3	8.5	1.3	13	1.3	484	202.237	GFL06-3M □□□071C32	414
	6.8	2.5	8.3	2.5	12	2.5	495	206.519	GFL07-3M □□□071C32	414
	6.3	2.5	7.6	2.5	11	2.5	538	224.636	GFL07-3M □□□071C32	414
	6.1	1.2	7.4	1.2	11	1.2	554	231.200	GFL06-3M □□□071C32	414
	5.6	2.1	6.8	2.1	10	2.1	606	253.111	GFL07-3M □□□071C32	414
	5.4	1.0	6.6	1.0	9.7	1.0	624	260.457	GFL06-3M □□□071C32	414
	4.9	2.0	5.9	2.0	8.7	2.0	696	290.706	GFL07-3M □□□071C32	414
	4.9	3.2	5.9	3.2	8.7	3.2	697	290.889	GFL09-3M □□□071C32	414
	4.8	0.9	5.8	0.9	8.6	0.9	702	293.018	GFL06-3M □□□071C32	414
	4.7	0.9	5.7	0.9	8.4	0.9	717	299.200	GFL06-3M □□□071C32	414
	4.3	1.6	5.2	1.6	7.7	1.6	784	327.556	GFL07-3M □□□071C32	414
	4.3	3.2	5.2	3.2	7.7	3.2	785	327.827	GFL09-3M □□□071C32	414
	4	1.6	4.9	1.6	7.1	1.6	845	352.811	GFL07-3M □□□071C32	414
	4	2.8	4.8	2.8	7.1	2.8	845	353.033	GFL09-3M □□□071C32	414
	3.6	1.3	4.3	1.3	6.3	1.3	952	397.533	GFL07-3M □□□071C32	414
	3.5	2.8	4.3	2.8	6.3	2.8	953	397.863	GFL09-3M □□□071C32	414
	3.3	1.2	4	1.2	5.9	1.2	1030	430.222	GFL07-3M □□□071C32	414
	3.3	2.7	4	2.7	5.9	2.7	1016	424.247	GFL09-3M □□□071C32	414
	2.7	1.0	3.3	1.0	4.8	1.0	1250	522.133	GFL07-3M □□□071C32	414
	2.7	2.2	3.3	2.2	4.9	2.2	1233	514.881	GFL09-3M □□□071C32	414
	2.5	0.8	3	0.8	4.5	0.8	1347	562.391	GFL07-3M □□□071C32	414
	2.5	1.6	3.1	1.6	4.5	1.6	1328	554.470	GFL09-3M □□□071C32	414



50 Hz: $P_N=0.37$ kW
60 Hz: $P_N=0.45$ kW
87 Hz: $P_N=0.66$ kW

n _N	1410 r/min		1710 r/min		2520 r/min		M ₂ [Nm]	i		
f _N	50 Hz		60 Hz		87 Hz					
P _N	0.37 kW		0.45 kW		0.66 kW					
	n ₂ [r/min]	c	n ₂ [r/min]	c	n ₂ [r/min]	c				
	2.3	1.5	2.7	1.5	4	1.5	1496	624.879	GFL09-3M □□□071C32	414
	2.2	0.8	2.7	0.8	4	0.8	1518	633.680	GFL07-3M □□□071C32	414
	2	1.3	2.4	1.3	3.6	1.3	1678	700.875	GFL09-3M □□□071C32	414
	1.8	1.2	2.2	1.2	3.2	1.2	1892	789.875	GFL09-3M □□□071C32	414



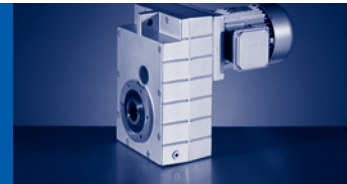
GFL

GFL [Nm] - MD□MA (IE1)

50 Hz: P_N=0.37 kW

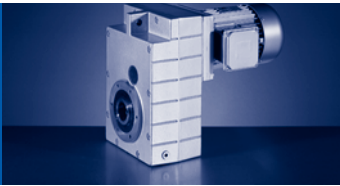
60 Hz: P_N=0.45 kW

n _N	950 r/min		1150 r/min				M ₂ [Nm]	i		
f _N	50 Hz		60 Hz							
P _N	0.37 kW		0.45 kW							
	n ₂ [r/min]	c	n ₂ [r/min]	c						
	260	5.7	314	5.7			13	3.659	GFL04-2M □□□080C13	406
	189	5.7	229	5.7			18	5.018	GFL04-2M □□□080C13	406
	163	5.7	197	5.7			21	5.833	GFL04-2M □□□080C13	406
	148	4.9	179	4.9			23	6.422	GFL04-2M □□□080C13	406
	135	4.5	164	4.5			25	7.025	GFL04-2M □□□080C13	406
	113	5.7	137	5.7			30	8.379	GFL04-2M □□□080C13	406
	102	4.9	123	4.9			34	9.333	GFL04-2M □□□080C13	406
	93	4.3	112	4.3			37	10.238	GFL04-2M □□□080C13	406
	83	4.4	100	4.4			42	11.491	GFL04-2M □□□080C13	406
	74	3.6	90	3.6			46	12.800	GFL04-2M □□□080C13	406
	65	3.4	78	3.4			53	14.706	GFL04-2M □□□080C13	406
	59	3.1	72	3.1			58	16.087	GFL04-2M □□□080C13	406
	53	2.6	64	2.6			65	17.920	GFL04-2M □□□080C13	406
	46	2.5	56	2.5			74	20.519	GFL04-2M □□□080C13	406
	42	2.0	50	2.0			83	22.857	GFL04-2M □□□080C13	406
	38	2.0	46	2.0			91	25.136	GFL04-2M □□□080C13	406
	34	1.7	41	1.7			101	28.000	GFL04-2M □□□080C13	406
	34	3.1	41	3.1			101	28.000	GFL05-2M □□□080C13	406
	30	1.6	36	1.6			114	31.600	GFL04-2M □□□080C13	406
	29	3.0	36	3.0			117	32.344	GFL05-2M □□□080C13	406
	27	1.3	33	1.3			127	35.200	GFL04-2M □□□080C13	406
	26	2.4	32	2.4			132	36.444	GFL05-2M □□□080C13	406
	24	2.4	29	2.4			145	40.233	GFL05-2M □□□080C13	406
	23	1.3	28	1.3			147	40.697	GFL04-2M □□□080C13	406
	21	1.1	25	1.1			164	45.333	GFL04-2M □□□080C13	406
	21	2.0	25	2.0			164	45.333	GFL05-2M □□□080C13	406
	18	1.7	22	1.7			188	52.067	GFL05-2M □□□080C13	406
	16	1.5	20	1.5			212	58.667	GFL05-2M □□□080C13	406
	16	2.9	19	2.9			215	59.481	GFL06-2M □□□080C13	406
	15	0.9	19	0.9			219	61.653	GFL05-3M □□□080C13	414
	15	1.2	18	1.2			228	63.190	GFL05-2M □□□080C13	406
	15	2.5	18	2.5			231	64.080	GFL06-2M □□□080C13	406
	14	2.1	17	2.1			235	66.213	GFL06-3M □□□080C13	414
	13	1.2	16	1.2			257	71.200	GFL05-2M □□□080C13	406
	13	1.9	16	1.9			256	72.000	GFL06-3M □□□080C13	414
	13	2.4	16	2.4			261	72.189	GFL06-2M □□□080C13	406
	12	0.8	15	0.8			280	78.639	GFL05-3M □□□080C13	414
	12	1.5	14	1.5			292	81.000	GFL06-2M □□□080C13	406
	12	1.7	14	1.7			288	81.111	GFL06-3M □□□080C13	414
	12	2.8	14	2.8			288	79.875	GFL07-2M □□□080C13	406
	11	0.9	13	0.9			320	90.123	GFL05-3M □□□080C13	414



50 Hz: P_N=0.37 kW
60 Hz: P_N=0.45 kW

n _N	950 r/min		1150 r/min				M ₂ [Nm]	i		
f _N	50 Hz		60 Hz							
P _N	0.37 kW		0.45 kW							
	n ₂ [r/min]	c	n ₂ [r/min]	c						
	11	1.6	13	1.6			314	88.200	GFL06-3M □□□080C13	414
	11	2.8	13	2.8			325	90.000	GFL07-2M □□□080C13	406
	10	1.5	13	1.5			329	91.250	GFL06-2M □□□080C13	406
	10	2.9	12	2.9			329	92.413	GFL07-3M □□□080C13	414
	9.6	1.6	12	1.6			353	99.361	GFL06-3M □□□080C13	414
	9.4	0.9	11	0.9			361	101.547	GFL05-3M □□□080C13	414
	9.1	2.9	11	2.9			370	104.127	GFL07-3M □□□080C13	414
	8.4	2.6	10	2.6			402	113.206	GFL07-3M □□□080C13	414
	8.3	0.8	10	0.8			409	114.952	GFL05-3M □□□080C13	414
	8.2	1.3	9.9	1.3			414	116.571	GFL06-3M □□□080C13	414
	7.5	2.6	9	2.6			453	127.556	GFL07-3M □□□080C13	414
	7.2	1.3	8.8	1.3			467	131.323	GFL06-3M □□□080C13	414
	6.6	1.1	8	1.1			513	144.320	GFL06-3M □□□080C13	414
	6.5	2.2	7.8	2.2			524	147.347	GFL07-3M □□□080C13	414
	5.8	1.1	7.1	1.1			578	162.583	GFL06-3M □□□080C13	414
	5.7	2.1	6.9	2.1			590	166.025	GFL07-3M □□□080C13	414
	5.3	1.0	6.4	1.0			638	179.520	GFL06-3M □□□080C13	414
	5.2	1.9	6.3	1.9			652	183.285	GFL07-3M □□□080C13	414
	4.7	0.9	5.7	0.9			719	202.237	GFL06-3M □□□080C13	414
	4.6	1.7	5.6	1.7			734	206.519	GFL07-3M □□□080C13	414
	4.2	1.7	5.1	1.7			798	224.636	GFL07-3M □□□080C13	414
	4.2	3.0	5.1	3.0			799	224.778	GFL09-3M □□□080C13	414
	3.8	1.4	4.5	1.4			900	253.111	GFL07-3M □□□080C13	414
	3.8	3.0	4.5	3.0			900	253.321	GFL09-3M □□□080C13	414
	3.3	1.3	4	1.3			1033	290.706	GFL07-3M □□□080C13	414
	3.3	2.6	4	2.6			1034	290.889	GFL09-3M □□□080C13	414
	2.9	1.1	3.5	1.1			1164	327.556	GFL07-3M □□□080C13	414
	2.9	2.6	3.5	2.6			1165	327.827	GFL09-3M □□□080C13	414
	2.7	1.1	3.3	1.1			1254	352.811	GFL07-3M □□□080C13	414
	2.7	2.2	3.3	2.2			1255	353.033	GFL09-3M □□□080C13	414
	2.4	0.9	2.9	0.9			1413	397.533	GFL07-3M □□□080C13	414
	2.4	2.2	2.9	2.2			1414	397.863	GFL09-3M □□□080C13	414
	2.2	0.8	2.7	0.8			1529	430.222	GFL07-3M □□□080C13	414
	2.2	1.8	2.7	1.8			1508	424.247	GFL09-3M □□□080C13	414
	1.9	1.5	2.2	1.5			1830	514.881	GFL09-3M □□□080C13	414
	1.8	3.2	2.2	3.2			1856	522.133	GFL11-3M □□□080C13	414
	1.7	1.1	2.1	1.1			1971	554.470	GFL09-3M □□□080C13	414
	1.7	2.7	2	2.7			1999	562.391	GFL11-3M □□□080C13	414
	1.5	1.0	1.8	1.0			2221	624.879	GFL09-3M □□□080C13	414
	1.5	2.6	1.8	2.6			2252	633.680	GFL11-3M □□□080C13	414
	1.4	0.9	1.6	0.9			2491	700.875	GFL09-3M □□□080C13	414



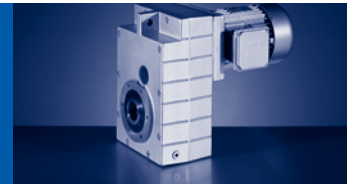
GFL

GFL [Nm] - MD□MA (IE1)

50 Hz: $P_N=0.37$ kW

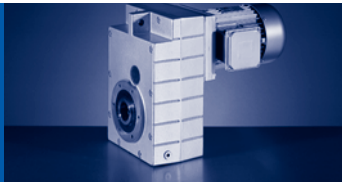
60 Hz: $P_N=0.45$ kW

n _N	950 r/min		1150 r/min				M ₂ [Nm]	i		
f _N	50 Hz		60 Hz							
P _N	0.37 kW		0.45 kW							
	n ₂ [r/min]	c	n ₂ [r/min]	c						
	1.2	0.8	1.5	0.8			2808	789.875	GFL09-3M □□□080C13	414
	1.2	2.1	1.4	2.1			2847	801.000	GFL11-3M □□□080C13	414



50 Hz: P_N=0.55 kW
60 Hz: P_N=0.68 kW

n _N	2630 r/min		3230 r/min				M ₂ [Nm]	i		
f _N	50 Hz		60 Hz							
P _N	0.55 kW		0.68 kW							
	n ₂ [r/min]	c	n ₂ [r/min]	c						
	719	4.1	883	3.8			7.0	3.659	GFL04-2M □□□071C31	406
	524	4.1	644	3.8			10	5.018	GFL04-2M □□□071C31	406
	451	4.1	554	3.8			11	5.833	GFL04-2M □□□071C31	406
	411	4.1	505	3.8			12	6.400	GFL05-2M □□□071C31	406
	374	4.7	460	4.4			14	7.025	GFL04-2M □□□071C31	406
	314	4.1	386	3.8			16	8.379	GFL04-2M □□□071C31	406
	282	4.1	346	3.8			18	9.333	GFL04-2M □□□071C31	406
	257	4.7	316	4.4			20	10.238	GFL04-2M □□□071C31	406
	229	4.1	281	3.8			22	11.491	GFL04-2M □□□071C31	406
	206	4.1	252	3.8			25	12.800	GFL04-2M □□□071C31	406
	179	4.7	220	4.4			29	14.706	GFL04-2M □□□071C31	406
	165	4.1	203	3.8			31	15.904	GFL05-2M □□□071C31	406
	147	4.0	180	3.7			35	17.920	GFL04-2M □□□071C31	406
	128	3.8	157	3.6			40	20.519	GFL04-2M □□□071C31	406
	115	3.1	141	2.9			44	22.857	GFL04-2M □□□071C31	406
	105	3.5	129	3.3			49	25.136	GFL04-2M □□□071C31	406
	94	2.9	115	2.7			54	28.000	GFL04-2M □□□071C31	406
	83	2.9	102	2.7			61	31.600	GFL04-2M □□□071C31	406
	75	2.4	92	2.2			68	35.200	GFL04-2M □□□071C31	406
	65	2.2	79	2.1			79	40.697	GFL04-2M □□□071C31	406
	58	1.9	71	1.7			88	45.333	GFL04-2M □□□071C31	406
	51	1.8	63	1.7			100	51.579	GFL04-2M □□□071C31	406
	51	2.9	62	2.7			101	52.067	GFL05-2M □□□071C31	406
	46	1.5	56	1.4			111	57.455	GFL04-2M □□□071C31	406
	45	2.7	55	2.5			114	58.667	GFL05-2M □□□071C31	406
	43	1.7	52	1.6			118	61.653	GFL05-3M □□□071C31	414
	42	2.2	51	2.0			122	63.190	GFL05-2M □□□071C31	406
	41	1.2	50	1.2			125	64.636	GFL04-2M □□□071C31	406
	37	1.3	45	1.2			140	72.000	GFL04-2M □□□071C31	406
	37	2.2	45	2.2			138	71.200	GFL05-2M □□□071C31	406
	33	1.5	41	1.5			150	78.639	GFL05-3M □□□071C31	414
	33	2.8	40	2.7			157	81.000	GFL06-2M □□□071C31	406
	32	3.2	40	3.1			155	81.111	GFL06-3M □□□071C31	414
	30	2.9	37	2.8			168	88.200	GFL06-3M □□□071C31	414
	29	1.3	36	1.3			176	91.000	GFL05-2M □□□071C31	406
	29	1.8	36	1.7			172	90.123	GFL05-3M □□□071C31	414
	29	2.7	35	2.6			177	91.250	GFL06-2M □□□071C31	406
	27	2.9	33	2.8			190	99.361	GFL06-3M □□□071C31	414
	26	1.7	32	1.7			194	101.547	GFL05-3M □□□071C31	414
	23	1.5	28	1.5			219	114.952	GFL05-3M □□□071C31	414
	23	2.4	28	2.3			223	116.571	GFL06-3M □□□071C31	414



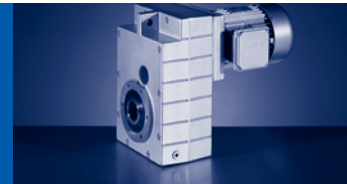
GFL

GFL [Nm] - MD□MA (IE1)

50 Hz: $P_N=0.55$ kW

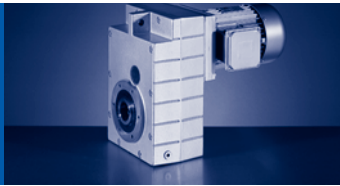
60 Hz: $P_N=0.68$ kW

n _N	2630 r/min		3230 r/min				M ₂ [Nm]	i		
f _N	50 Hz		60 Hz							
P _N	0.55 kW		0.68 kW							
	n ₂ [r/min]	c	n ₂ [r/min]	c						
	20	1.3	25	1.3			247	129.524	GFL05-3M □□□071C31	414
	20	2.4	25	2.3			251	131.323	GFL06-3M □□□071C31	414
	19	1.3	23	1.3			269	140.817	GFL05-3M □□□071C31	414
	18	2.0	22	2.0			275	144.320	GFL06-3M □□□071C31	414
	17	1.1	20	1.1			303	158.667	GFL05-3M □□□071C31	414
	16	2.0	20	1.9			310	162.583	GFL06-3M □□□071C31	414
	15	1.0	18	1.0			338	177.027	GFL05-3M □□□071C31	414
	15	1.8	18	1.7			343	179.520	GFL06-3M □□□071C31	414
	13	0.9	16	0.8			381	199.467	GFL05-3M □□□071C31	414
	13	1.6	16	1.5			386	202.237	GFL06-3M □□□071C31	414
	13	3.2	16	3.1			394	206.519	GFL07-3M □□□071C31	414
	12	3.1	14	3.1			429	224.636	GFL07-3M □□□071C31	414
	11	1.4	14	1.4			441	231.200	GFL06-3M □□□071C31	414
	10	1.2	12	1.2			497	260.457	GFL06-3M □□□071C31	414
	10	2.6	13	2.5			483	253.111	GFL07-3M □□□071C31	414
	9.1	2.5	11	2.4			555	290.706	GFL07-3M □□□071C31	414
	9	1.2	11	1.2			559	293.018	GFL06-3M □□□071C31	414
	8.8	1.1	11	1.1			571	299.200	GFL06-3M □□□071C31	414
	8	2.0	9.9	2.0			625	327.556	GFL07-3M □□□071C31	414
	7.5	2.1	9.2	2.0			673	352.811	GFL07-3M □□□071C31	414
	7.2	0.9	8.8	0.9			701	367.200	GFL06-3M □□□071C31	414
	6.6	1.7	8.1	1.6			759	397.533	GFL07-3M □□□071C31	414
	6.1	1.6	7.5	1.5			821	430.222	GFL07-3M □□□071C31	414
	5.1	2.8	6.3	2.7			983	514.881	GFL09-3M □□□071C31	414
	5	1.3	6.2	1.2			997	522.133	GFL07-3M □□□071C31	414
	4.7	1.1	5.7	1.0			1073	562.391	GFL07-3M □□□071C31	414
	4.7	2.0	5.8	2.0			1058	554.470	GFL09-3M □□□071C31	414
	4.2	1.0	5.1	1.0			1209	633.680	GFL07-3M □□□071C31	414
	4.2	1.9	5.2	1.9			1193	624.879	GFL09-3M □□□071C31	414
	3.8	1.6	4.6	1.5			1338	700.875	GFL09-3M □□□071C31	414
	3.7	0.8	4.5	0.8			1372	718.786	GFL07-3M □□□071C31	414
	3.3	1.5	4.1	1.5			1508	789.875	GFL09-3M □□□071C31	414



50 Hz: P_N=0.55 kW
60 Hz: P_N=0.68 kW
87 Hz: P_N=1.0 kW

n _N	1405 r/min		1705 r/min		2515 r/min		M ₂ [Nm]	i		
f _N	50 Hz		60 Hz		87 Hz					
P _N	0.55 kW		0.68 kW		1.0 kW					
	n ₂ [r/min]	c	n ₂ [r/min]	c	n ₂ [r/min]	c				
	384	4.5	466	4.3	687	3.8	13	3.659	GFL04-2M □□□071C42	406
	280	4.5	340	4.3	501	3.8	18	5.018	GFL04-2M □□□071C42	406
	241	4.5	292	4.3	431	3.8	21	5.833	GFL04-2M □□□071C42	406
	219	4.2	266	4.0	392	3.5	23	6.422	GFL04-2M □□□071C42	406
	200	4.2	243	4.0	358	3.5	26	7.025	GFL04-2M □□□071C42	406
	168	4.5	204	4.3	300	3.8	30	8.379	GFL04-2M □□□071C42	406
	156	4.5	189	4.3	279	3.8	33	9.010	GFL05-2M □□□071C42	406
	137	4.2	167	4.0	246	3.5	37	10.238	GFL04-2M □□□071C42	406
	122	4.3	148	4.2	219	3.7	42	11.491	GFL04-2M □□□071C42	406
	110	3.6	133	3.4	197	3.0	46	12.800	GFL04-2M □□□071C42	406
	96	3.4	116	3.3	171	2.9	53	14.706	GFL04-2M □□□071C42	406
	87	3.1	106	3.0	156	2.6	58	16.087	GFL04-2M □□□071C42	406
	78	2.6	95	2.5	140	2.2	65	17.920	GFL04-2M □□□071C42	406
	69	2.5	83	2.4	123	2.1	74	20.519	GFL04-2M □□□071C42	406
	62	2.0	75	1.9	110	1.7	83	22.857	GFL04-2M □□□071C42	406
	56	2.0	68	2.0	100	1.9	91	25.136	GFL04-2M □□□071C42	406
	50	1.7	61	1.7	90	1.6	102	28.000	GFL04-2M □□□071C42	406
	50	3.1	61	3.1	90	3.0	102	28.000	GFL05-2M □□□071C42	406
	45	1.6	54	1.6	80	1.5	115	31.600	GFL04-2M □□□071C42	406
	43	2.9	53	2.9	78	2.8	117	32.344	GFL05-2M □□□071C42	406
	40	1.3	48	1.3	71	1.3	128	35.200	GFL04-2M □□□071C42	406
	39	2.4	47	2.4	69	2.3	132	36.444	GFL05-2M □□□071C42	406
	35	1.3	42	1.3	62	1.2	148	40.697	GFL04-2M □□□071C42	406
	35	2.4	42	2.4	63	2.3	146	40.233	GFL05-2M □□□071C42	406
	34	3.2	42	3.2	62	3.0	148	40.800	GFL06-2M □□□071C42	406
	31	1.1	38	1.1	56	1.0	164	45.333	GFL04-2M □□□071C42	406
	31	1.9	38	1.9	56	1.9	164	45.333	GFL05-2M □□□071C42	406
	31	3.2	37	3.2	55	3.0	167	45.963	GFL06-2M □□□071C42	406
	27	1.6	33	1.6	48	1.6	189	52.067	GFL05-2M □□□071C42	406
	27	2.9	32	2.9	48	2.8	192	52.800	GFL06-2M □□□071C42	406
	24	1.5	29	1.5	43	1.5	213	58.667	GFL05-2M □□□071C42	406
	24	2.9	29	2.9	42	2.7	216	59.481	GFL06-2M □□□071C42	406
	23	0.9	28	0.9	41	0.9	220	61.653	GFL05-3M □□□071C42	414
	22	1.2	27	1.2	40	1.2	229	63.190	GFL05-2M □□□071C42	406
	22	2.4	27	2.4	39	2.3	232	64.080	GFL06-2M □□□071C42	406
	21	2.1	26	2.1	38	2.1	237	66.213	GFL06-3M □□□071C42	414
	20	1.2	24	1.2	35	1.2	258	71.200	GFL05-2M □□□071C42	406
	20	1.9	24	1.9	35	1.9	257	72.000	GFL06-3M □□□071C42	414
	20	2.4	24	2.4	35	2.4	262	72.189	GFL06-2M □□□071C42	406
	18	0.8	22	0.8	32	0.8	281	78.639	GFL05-3M □□□071C42	414
	17	1.4	21	1.4	31	1.4	294	81.000	GFL06-2M □□□071C42	406

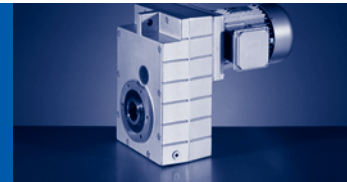


GFL

GFL [Nm] - MD□MA (IE1)

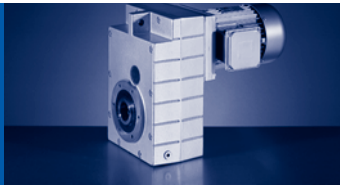
50 Hz: $P_N=0.55$ kW
60 Hz: $P_N=0.68$ kW
87 Hz: $P_N=1.0$ kW

n _N	1405 r/min		1705 r/min		2515 r/min		M ₂ [Nm]	i		
f _N	50 Hz		60 Hz		87 Hz					
P _N	0.55 kW		0.68 kW		1.0 kW					
	n ₂ [r/min]	c	n ₂ [r/min]	c	n ₂ [r/min]	c				
	17	1.7	21	1.7	31	1.7	290	81.111	GFL06-3M □□□071C42	414
	16	0.9	19	0.9	28	0.9	322	90.123	GFL05-3M □□□071C42	414
	16	1.6	19	1.6	29	1.6	315	88.200	GFL06-3M □□□071C42	414
	15	1.4	19	1.4	28	1.4	331	91.250	GFL06-2M □□□071C42	406
	15	2.9	18	2.9	27	2.9	330	92.413	GFL07-3M □□□071C42	414
	14	0.9	17	0.9	25	0.9	363	101.547	GFL05-3M □□□071C42	414
	14	1.6	17	1.6	25	1.6	355	99.361	GFL06-3M □□□071C42	414
	14	2.9	16	2.9	24	2.9	372	104.127	GFL07-3M □□□071C42	414
	12	0.8	15	0.8	22	0.8	411	114.952	GFL05-3M □□□071C42	414
	12	1.3	15	1.3	22	1.3	416	116.571	GFL06-3M □□□071C42	414
	12	2.6	15	2.6	22	2.6	404	113.206	GFL07-3M □□□071C42	414
	11	1.3	13	1.3	19	1.3	469	131.323	GFL06-3M □□□071C42	414
	11	2.6	13	2.6	20	2.6	456	127.556	GFL07-3M □□□071C42	414
	9.7	1.1	12	1.1	17	1.1	516	144.320	GFL06-3M □□□071C42	414
	9.5	2.2	12	2.2	17	2.2	526	147.347	GFL07-3M □□□071C42	414
	8.6	1.1	11	1.1	16	1.1	581	162.583	GFL06-3M □□□071C42	414
	8.5	2.1	10	2.1	15	2.1	593	166.025	GFL07-3M □□□071C42	414
	7.8	0.9	9.5	0.9	14	0.9	641	179.520	GFL06-3M □□□071C42	414
	7.7	1.9	9.3	1.9	14	1.9	655	183.285	GFL07-3M □□□071C42	414
	7.6	3.2	9.2	3.2	14	3.2	661	185.111	GFL09-3M □□□071C42	414
	7	0.9	8.4	0.9	12	0.9	723	202.237	GFL06-3M □□□071C42	414
	6.8	1.7	8.3	1.7	12	1.7	738	206.519	GFL07-3M □□□071C42	414
	6.7	3.2	8.2	3.2	12	3.2	745	208.617	GFL09-3M □□□071C42	414
	6.3	1.7	7.6	1.7	11	1.7	803	224.636	GFL07-3M □□□071C42	414
	6.3	3.0	7.6	3.0	11	3.0	803	224.778	GFL09-3M □□□071C42	414
	5.6	1.4	6.7	1.4	9.9	1.4	904	253.111	GFL07-3M □□□071C42	414
	5.6	3.0	6.7	3.0	9.9	3.0	905	253.321	GFL09-3M □□□071C42	414
	4.8	1.3	5.9	1.3	8.7	1.3	1039	290.706	GFL07-3M □□□071C42	414
	4.8	2.5	5.9	2.5	8.7	2.5	1039	290.889	GFL09-3M □□□071C42	414
	4.3	1.1	5.2	1.1	7.7	1.1	1170	327.556	GFL07-3M □□□071C42	414
	4.3	2.5	5.2	2.5	7.7	2.5	1171	327.827	GFL09-3M □□□071C42	414
	4	1.1	4.8	1.1	7.1	1.1	1260	352.811	GFL07-3M □□□071C42	414
	4	2.2	4.8	2.2	7.1	2.2	1261	353.033	GFL09-3M □□□071C42	414
	3.5	0.9	4.3	0.9	6.3	0.9	1420	397.533	GFL07-3M □□□071C42	414
	3.5	2.2	4.3	2.2	6.3	2.2	1421	397.863	GFL09-3M □□□071C42	414
	3.3	0.8	4	0.8	5.9	0.8	1537	430.222	GFL07-3M □□□071C42	414
	3.3	1.8	4	1.8	5.9	1.8	1516	424.247	GFL09-3M □□□071C42	414
	2.7	1.5	3.3	1.5	4.9	1.5	1839	514.881	GFL09-3M □□□071C42	414
	2.5	1.1	3.1	1.1	4.5	1.1	1981	554.470	GFL09-3M □□□071C42	414
	2.3	1.0	2.7	1.0	4	1.0	2232	624.879	GFL09-3M □□□071C42	414
	2	0.8	2.4	0.8	3.6	0.8	2504	700.875	GFL09-3M □□□071C42	414



50 Hz: $P_N=0.55$ kW
60 Hz: $P_N=0.68$ kW
87 Hz: $P_N=1.0$ kW

n _N	1405 r/min		1705 r/min		2515 r/min		M ₂ [Nm]	i		
f _N	50 Hz		60 Hz		87 Hz					
P _N	0.55 kW		0.68 kW		1.0 kW					
	n ₂ [r/min]	c	n ₂ [r/min]	c	n ₂ [r/min]	c				
	1.8	0.8	2.2	0.8	3.2	0.8	2822	789.875	GFL09-3M □□□071C42	414



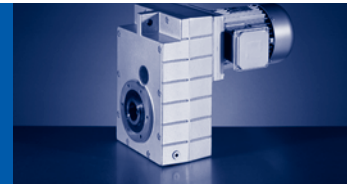
GFL

GFL [Nm] - MD□MA (IE1)

50 Hz: $P_N=0.55$ kW

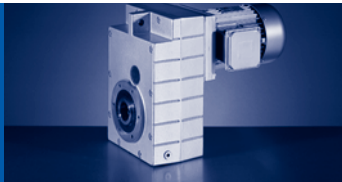
60 Hz: $P_N=0.66$ kW

n _N	930 r/min		1130 r/min				M ₂ [Nm]	i		
f _N	50 Hz		60 Hz							
P _N	0.55 kW		0.66 kW							
	n ₂ [r/min]	c	n ₂ [r/min]	c						
	254	3.7	309	3.7			20	3.659	GFL04-2M □□□080C33	406
	185	3.7	225	3.7			28	5.018	GFL04-2M □□□080C33	406
	159	3.7	194	3.7			32	5.833	GFL04-2M □□□080C33	406
	145	3.2	176	3.2			35	6.422	GFL04-2M □□□080C33	406
	132	2.9	161	2.9			39	7.025	GFL04-2M □□□080C33	406
	111	3.7	135	3.7			46	8.379	GFL04-2M □□□080C33	406
	100	3.2	121	3.2			51	9.333	GFL04-2M □□□080C33	406
	91	2.8	110	2.8			56	10.238	GFL04-2M □□□080C33	406
	81	2.9	98	2.9			63	11.491	GFL04-2M □□□080C33	406
	73	2.4	88	2.4			70	12.800	GFL04-2M □□□080C33	406
	63	2.3	77	2.3			81	14.706	GFL04-2M □□□080C33	406
	58	2.1	70	2.1			88	16.087	GFL04-2M □□□080C33	406
	52	1.7	63	1.7			98	17.920	GFL04-2M □□□080C33	406
	52	3.2	63	3.2			98	17.920	GFL05-2M □□□080C33	406
	46	3.0	56	3.0			111	20.286	GFL05-2M □□□080C33	406
	45	1.6	55	1.6			112	20.519	GFL04-2M □□□080C33	406
	41	1.3	49	1.3			125	22.857	GFL04-2M □□□080C33	406
	41	2.5	49	2.5			125	22.857	GFL05-2M □□□080C33	406
	37	1.3	45	1.3			138	25.136	GFL04-2M □□□080C33	406
	37	2.5	46	2.5			136	24.850	GFL05-2M □□□080C33	406
	33	1.1	40	1.1			153	28.000	GFL04-2M □□□080C33	406
	33	2.1	40	2.1			153	28.000	GFL05-2M □□□080C33	406
	29	1.1	36	1.1			173	31.600	GFL04-2M □□□080C33	406
	29	2.0	35	2.0			177	32.344	GFL05-2M □□□080C33	406
	28	3.1	35	3.1			180	32.800	GFL06-2M □□□080C33	406
	26	0.9	32	0.9			193	35.200	GFL04-2M □□□080C33	406
	26	1.6	31	1.6			200	36.444	GFL05-2M □□□080C33	406
	25	3.0	31	3.0			203	36.951	GFL06-2M □□□080C33	406
	23	0.8	28	0.8			223	40.697	GFL04-2M □□□080C33	406
	23	1.6	28	1.6			220	40.233	GFL05-2M □□□080C33	406
	23	2.6	28	2.6			224	40.800	GFL06-2M □□□080C33	406
	21	1.3	25	1.3			248	45.333	GFL05-2M □□□080C33	406
	20	2.4	25	2.4			252	45.963	GFL06-2M □□□080C33	406
	18	1.1	22	1.1			285	52.067	GFL05-2M □□□080C33	406
	18	2.3	21	2.3			289	52.800	GFL06-2M □□□080C33	406
	18	2.6	22	2.6			285	52.067	GFL07-2M □□□080C33	406
	16	1.0	19	1.0			322	58.667	GFL05-2M □□□080C33	406
	16	1.9	19	1.9			326	59.481	GFL06-2M □□□080C33	406
	16	2.6	19	2.6			322	58.667	GFL07-2M □□□080C33	406
	15	0.8	18	0.8			346	63.190	GFL05-2M □□□080C33	406
	15	1.6	18	1.6			351	64.080	GFL06-2M □□□080C33	406



50 Hz: P_N=0.55 kW
60 Hz: P_N=0.66 kW

n _N	930 r/min		1130 r/min				M ₂ [Nm]	i		
f _N	50 Hz		60 Hz							
P _N	0.55 kW		0.66 kW							
	n ₂ [r/min]	c	n ₂ [r/min]	c						
	15	2.3	18	2.3			346	63.190	GFL07-2M □□□080C33	406
	14	1.4	17	1.4			357	66.213	GFL06-3M □□□080C33	414
	14	2.5	17	2.5			353	65.306	GFL07-3M □□□080C33	414
	13	1.3	16	1.3			389	72.000	GFL06-3M □□□080C33	414
	13	1.6	16	1.6			396	72.189	GFL06-2M □□□080C33	406
	13	2.2	16	2.2			391	72.452	GFL07-3M □□□080C33	414
	13	2.3	16	2.3			390	71.200	GFL07-2M □□□080C33	406
	12	1.0	14	1.0			444	81.000	GFL06-2M □□□080C33	406
	12	1.1	14	1.1			438	81.111	GFL06-3M □□□080C33	414
	12	1.8	14	1.8			438	79.875	GFL07-2M □□□080C33	406
	11	1.0	13	1.0			476	88.200	GFL06-3M □□□080C33	414
	11	2.2	14	2.2			441	81.636	GFL07-3M □□□080C33	414
	10	1.0	12	1.0			500	91.250	GFL06-2M □□□080C33	406
	10	1.8	13	1.8			493	90.000	GFL07-2M □□□080C33	406
	10	1.9	12	1.9			499	92.413	GFL07-3M □□□080C33	414
	9.4	1.0	11	1.0			536	99.361	GFL06-3M □□□080C33	414
	8.9	1.9	11	1.9			562	104.127	GFL07-3M □□□080C33	414
	8.2	1.7	10	1.7			611	113.206	GFL07-3M □□□080C33	414
	8	0.8	9.7	0.8			629	116.571	GFL06-3M □□□080C33	414
	7.3	1.7	8.9	1.7			688	127.556	GFL07-3M □□□080C33	414
	7.1	0.8	8.6	0.8			709	131.323	GFL06-3M □□□080C33	414
	6.3	1.4	7.7	1.4			795	147.347	GFL07-3M □□□080C33	414
	6.3	2.6	7.6	2.6			803	148.815	GFL09-3M □□□080C33	414
	5.6	1.4	6.8	1.4			896	166.025	GFL07-3M □□□080C33	414
	5.6	2.6	6.7	2.6			905	167.712	GFL09-3M □□□080C33	414
	5.1	1.3	6.2	1.3			989	183.285	GFL07-3M □□□080C33	414
	5	2.2	6.1	2.2			999	185.111	GFL09-3M □□□080C33	414
	4.5	1.1	5.5	1.1			1115	206.519	GFL07-3M □□□080C33	414
	4.5	2.2	5.4	2.2			1126	208.617	GFL09-3M □□□080C33	414
	4.1	1.1	5	1.1			1212	224.636	GFL07-3M □□□080C33	414
	4.1	2.0	5	2.0			1213	224.778	GFL09-3M □□□080C33	414
	3.7	0.9	4.5	0.9			1366	253.111	GFL07-3M □□□080C33	414
	3.7	2.0	4.5	2.0			1367	253.321	GFL09-3M □□□080C33	414
	3.2	0.9	3.9	0.9			1569	290.706	GFL07-3M □□□080C33	414
	3.2	1.7	3.9	1.7			1570	290.889	GFL09-3M □□□080C33	414
	2.8	1.7	3.5	1.7			1769	327.827	GFL09-3M □□□080C33	414
	2.6	1.5	3.2	1.5			1905	353.033	GFL09-3M □□□080C33	414
	2.6	2.3	3.2	2.3			1933	358.077	GFL11-3M □□□080C33	414
	2.3	1.5	2.8	1.5			2147	397.863	GFL09-3M □□□080C33	414
	2.3	2.3	2.8	2.3			2178	403.467	GFL11-3M □□□080C33	414
	2.2	1.2	2.7	1.2			2290	424.247	GFL09-3M □□□080C33	414



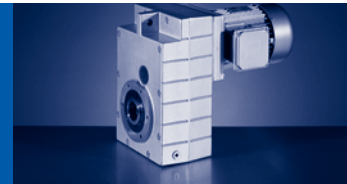
GFL

GFL [Nm] - MD□MA (IE1)

50 Hz: $P_N=0.55$ kW

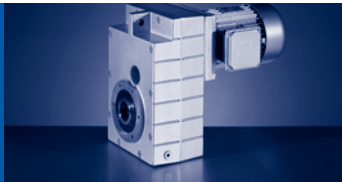
60 Hz: $P_N=0.66$ kW

n _N	930 r/min		1130 r/min				M ₂ [Nm]	i		
f _N	50 Hz		60 Hz							
P _N	0.55 kW		0.66 kW							
	n ₂ [r/min]	c	n ₂ [r/min]	c						
	2.2	2.6	2.6	2.6			2322	430.222	GFL11-3M □□□080C33	414
	1.8	1.0	2.2	1.0			2779	514.881	GFL09-3M □□□080C33	414
	1.8	2.1	2.2	2.1			2818	522.133	GFL11-3M □□□080C33	414
	1.7	1.8	2	1.8			3035	562.391	GFL11-3M □□□080C33	414
	1.5	1.7	1.8	1.7			3420	633.680	GFL11-3M □□□080C33	414
	1.2	1.4	1.4	1.4			4323	801.000	GFL11-3M □□□080C33	414



50 Hz: P_N=0.75 kW
60 Hz: P_N=0.92 kW

n _N	2720 r/min		3320 r/min				M ₂ [Nm]	i		
f _N	50 Hz		60 Hz							
P _N	0.75 kW		0.92 kW							
	n ₂ [r/min]	c	n ₂ [r/min]	c						
	424	5.6	517	5.3			16	6.422	GFL04-2M □□□080C11	406
	387	5.2	473	4.8			18	7.025	GFL04-2M □□□080C11	406
	291	5.7	356	5.3			24	9.333	GFL04-2M □□□080C11	406
	266	5.0	324	4.7			26	10.238	GFL04-2M □□□080C11	406
	237	5.1	289	4.7			29	11.491	GFL04-2M □□□080C11	406
	213	4.2	259	3.9			33	12.800	GFL04-2M □□□080C11	406
	185	4.0	226	3.7			38	14.706	GFL04-2M □□□080C11	406
	169	3.6	206	3.4			41	16.087	GFL04-2M □□□080C11	406
	152	3.0	185	2.8			46	17.920	GFL04-2M □□□080C11	406
	133	2.9	162	2.7			52	20.519	GFL04-2M □□□080C11	406
	119	2.4	145	2.2			58	22.857	GFL04-2M □□□080C11	406
	108	2.7	132	2.5			64	25.136	GFL04-2M □□□080C11	406
	97	2.2	119	2.1			72	28.000	GFL04-2M □□□080C11	406
	86	2.1	105	2.0			81	31.600	GFL04-2M □□□080C11	406
	77	1.8	94	1.7			90	35.200	GFL04-2M □□□080C11	406
	75	3.2	91	3.0			93	36.444	GFL05-2M □□□080C11	406
	68	3.1	83	2.9			103	40.233	GFL05-2M □□□080C11	406
	67	1.7	82	1.6			104	40.697	GFL04-2M □□□080C11	406
	60	1.4	73	1.3			116	45.333	GFL04-2M □□□080C11	406
	60	2.6	73	2.4			116	45.333	GFL05-2M □□□080C11	406
	52	2.2	64	2.0			133	52.067	GFL05-2M □□□080C11	406
	46	2.0	57	1.9			150	58.667	GFL05-2M □□□080C11	406
	44	1.2	54	1.2			155	61.653	GFL05-3M □□□080C11	414
	43	1.6	53	1.5			161	63.190	GFL05-2M □□□080C11	406
	41	3.0	50	2.9			167	66.213	GFL06-3M □□□080C11	414
	38	1.7	47	1.6			182	71.200	GFL05-2M □□□080C11	406
	38	2.7	46	2.7			181	72.000	GFL06-3M □□□080C11	414
	35	1.1	42	1.1			198	78.639	GFL05-3M □□□080C11	414
	34	2.1	41	2.0			207	81.000	GFL06-2M □□□080C11	406
	34	2.4	41	2.4			204	81.111	GFL06-3M □□□080C11	414
	31	2.2	38	2.1			222	88.200	GFL06-3M □□□080C11	414
	30	1.3	37	1.3			227	90.123	GFL05-3M □□□080C11	414
	30	2.0	36	2.0			233	91.250	GFL06-2M □□□080C11	406
	27	1.3	33	1.2			256	101.547	GFL05-3M □□□080C11	414
	27	2.2	33	2.1			250	99.361	GFL06-3M □□□080C11	414
	24	1.1	29	1.1			289	114.952	GFL05-3M □□□080C11	414
	23	1.8	29	1.7			293	116.571	GFL06-3M □□□080C11	414
	21	1.0	26	1.0			326	129.524	GFL05-3M □□□080C11	414
	21	1.8	25	1.7			331	131.323	GFL06-3M □□□080C11	414
	19	1.0	24	0.9			354	140.817	GFL05-3M □□□080C11	414
	19	1.5	23	1.5			363	144.320	GFL06-3M □□□080C11	414



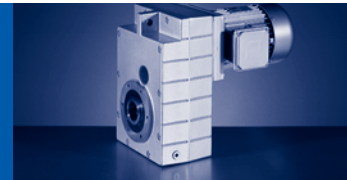
GFL

GFL [Nm] - MD□MA (IE1)

50 Hz: $P_N=0.75$ kW

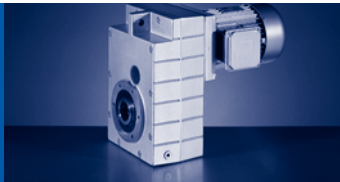
60 Hz: $P_N=0.92$ kW

n _N	2720 r/min		3320 r/min				M ₂ [Nm]	i		
f _N	50 Hz		60 Hz							
P _N	0.75 kW		0.92 kW							
	n ₂ [r/min]	c	n ₂ [r/min]	c						
	19	3.1	23	3.0			371	147.347	GFL07-3M □□□080C11	414
	17	0.8					399	158.667	GFL05-3M □□□080C11	414
	17	1.5	20	1.5			409	162.583	GFL06-3M □□□080C11	414
	16	3.0	20	2.9			418	166.025	GFL07-3M □□□080C11	414
	15	1.3	19	1.3			452	179.520	GFL06-3M □□□080C11	414
	15	2.7	18	2.6			461	183.285	GFL07-3M □□□080C11	414
	13	1.2	16	1.2			509	202.237	GFL06-3M □□□080C11	414
	13	2.4	16	2.3			520	206.519	GFL07-3M □□□080C11	414
	12	1.1	14	1.1			582	231.200	GFL06-3M □□□080C11	414
	12	2.4	15	2.3			565	224.636	GFL07-3M □□□080C11	414
	11	2.0	13	1.9			637	253.111	GFL07-3M □□□080C11	414
	10	0.9	13	0.9			655	260.457	GFL06-3M □□□080C11	414
	9.4	1.9	11	1.8			732	290.706	GFL07-3M □□□080C11	414
	9.1	0.8					753	299.200	GFL06-3M □□□080C11	414
	8.3	1.5	10	1.5			824	327.556	GFL07-3M □□□080C11	414
	7.7	1.6	9.4	1.5			888	352.811	GFL07-3M □□□080C11	414
	7.7	3.2	9.4	3.1			888	353.033	GFL09-3M □□□080C11	414
	6.8	1.3	8.4	1.2			1000	397.533	GFL07-3M □□□080C11	414
	6.8	3.2	8.3	3.1			1001	397.863	GFL09-3M □□□080C11	414
	6.4	2.6	7.8	2.5			1068	424.247	GFL09-3M □□□080C11	414
	6.3	1.2	7.7	1.1			1083	430.222	GFL07-3M □□□080C11	414
	5.3	2.1	6.5	2.0			1296	514.881	GFL09-3M □□□080C11	414
	5.2	1.0	6.4	0.9			1314	522.133	GFL07-3M □□□080C11	414
	4.9	1.5	6	1.5			1395	554.470	GFL09-3M □□□080C11	414
	4.4	1.5	5.3	1.4			1572	624.879	GFL09-3M □□□080C11	414
	3.9	1.2	4.7	1.2			1764	700.875	GFL09-3M □□□080C11	414
	3.4	1.1	4.2	1.1			1988	789.875	GFL09-3M □□□080C11	414
	3.4	2.9	4.1	2.8			2016	801.000	GFL11-3M □□□080C11	414



50 Hz: P_N=0.75 kW
60 Hz: P_N=0.92 kW
87 Hz: P_N=1.35 kW

n _N	1410 r/min		1710 r/min		2520 r/min		M ₂ [Nm]	i		
f _N	50 Hz		60 Hz		87 Hz					
P _N	0.75 kW		0.92 kW		1.35 kW					
	n ₂ [r/min]	c	n ₂ [r/min]	c	n ₂ [r/min]	c				
	385	4.2	467	4.0	689	3.5	18	3.659	GFL04-2M □□□080C32	406
	281	4.2	341	4.0	502	3.5	25	5.018	GFL04-2M □□□080C32	406
	242	4.2	293	4.0	432	3.5	29	5.833	GFL04-2M □□□080C32	406
	220	3.6	266	3.4	392	3.0	32	6.422	GFL04-2M □□□080C32	406
	201	3.3	243	3.1	359	2.7	35	7.025	GFL04-2M □□□080C32	406
	168	4.2	204	4.0	301	3.5	41	8.379	GFL04-2M □□□080C32	406
	151	3.6	183	3.4	270	3.0	46	9.333	GFL04-2M □□□080C32	406
	138	3.2	167	3.0	246	2.7	51	10.238	GFL04-2M □□□080C32	406
	123	3.2	149	3.1	219	2.7	57	11.491	GFL04-2M □□□080C32	406
	110	2.6	134	2.5	197	2.2	63	12.800	GFL04-2M □□□080C32	406
	96	2.5	116	2.4	171	2.1	73	14.706	GFL04-2M □□□080C32	406
	88	2.3	106	2.2	157	1.9	79	16.087	GFL04-2M □□□080C32	406
	79	1.9	95	1.8	141	1.6	88	17.920	GFL04-2M □□□080C32	406
	69	1.8	83	1.7	123	1.5	101	20.519	GFL04-2M □□□080C32	406
	62	1.5	75	1.4	110	1.3	113	22.857	GFL04-2M □□□080C32	406
	62	2.8	75	2.7	110	2.3	113	22.857	GFL05-2M □□□080C32	406
	57	2.8	69	2.8	101	2.7	123	24.850	GFL05-2M □□□080C32	406
	56	1.5	68	1.5	100	1.4	124	25.136	GFL04-2M □□□080C32	406
	50	1.2	61	1.2	90	1.2	138	28.000	GFL04-2M □□□080C32	406
	50	2.3	61	2.3	90	2.2	138	28.000	GFL05-2M □□□080C32	406
	45	1.2	54	1.2	80	1.1	156	31.600	GFL04-2M □□□080C32	406
	44	2.2	53	2.2	78	2.1	159	32.344	GFL05-2M □□□080C32	406
	40	1.0	49	1.0	72	0.9	174	35.200	GFL04-2M □□□080C32	406
	39	1.8	47	1.8	69	1.7	180	36.444	GFL05-2M □□□080C32	406
	35	0.9	42	0.9	62	0.9	201	40.697	GFL04-2M □□□080C32	406
	35	1.7	43	1.7	63	1.7	198	40.233	GFL05-2M □□□080C32	406
	35	2.9	42	2.9	62	2.8	201	40.800	GFL06-2M □□□080C32	406
	31	1.4	38	1.4	56	1.4	223	45.333	GFL05-2M □□□080C32	406
	31	2.7	37	2.7	55	2.6	227	45.963	GFL06-2M □□□080C32	406
	27	1.2	33	1.2	48	1.2	257	52.067	GFL05-2M □□□080C32	406
	27	2.5	32	2.5	48	2.4	260	52.800	GFL06-2M □□□080C32	406
	27	2.9	33	2.9	48	2.8	257	52.067	GFL07-2M □□□080C32	406
	24	1.1	29	1.1	43	1.1	289	58.667	GFL05-2M □□□080C32	406
	24	2.1	29	2.1	42	2.0	293	59.481	GFL06-2M □□□080C32	406
	24	2.9	29	2.9	43	2.8	289	58.667	GFL07-2M □□□080C32	406
	22	0.9	27	0.9	40	0.9	311	63.190	GFL05-2M □□□080C32	406
	22	1.8	27	1.8	39	1.7	316	64.080	GFL06-2M □□□080C32	406
	22	2.5	27	2.5	40	2.4	311	63.190	GFL07-2M □□□080C32	406
	22	2.8	26	2.8	39	2.8	317	65.306	GFL07-3M □□□080C32	414
	21	1.5	26	1.5	38	1.5	321	66.213	GFL06-3M □□□080C32	414
	20	0.9	24	0.9	35	0.9	351	71.200	GFL05-2M □□□080C32	406



GFL

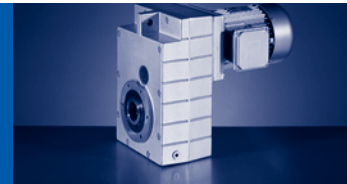
GFL [Nm] - MD□MA (IE1)

50 Hz: P_N=0.75 kW

60 Hz: P_N=0.92 kW

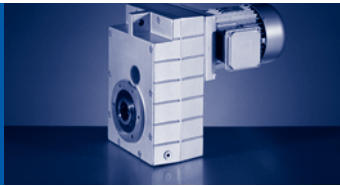
87 Hz: P_N=1.35 kW

n _N	1410 r/min		1710 r/min		2520 r/min		M ₂ [Nm]	i		
f _N	50 Hz		60 Hz		87 Hz					
P _N	0.75 kW		0.92 kW		1.35 kW					
	n ₂ [r/min]	c	n ₂ [r/min]	c	n ₂ [r/min]	c				
	20	1.4	24	1.4	35	1.4	350	72.000	GFL06-3M □□□080C32	414
	20	1.7	24	1.7	35	1.7	356	72.189	GFL06-2M □□□080C32	406
	20	2.5	24	2.5	35	2.5	352	72.452	GFL07-3M □□□080C32	414
	20	2.5	24	2.5	35	2.5	351	71.200	GFL07-2M □□□080C32	406
	18	2.0	21	2.0	32	2.0	394	79.875	GFL07-2M □□□080C32	406
	17	1.1	21	1.1	31	1.1	399	81.000	GFL06-2M □□□080C32	406
	17	1.3	21	1.3	31	1.3	394	81.111	GFL06-3M □□□080C32	414
	17	2.5	21	2.5	31	2.5	396	81.636	GFL07-3M □□□080C32	414
	16	1.1	19	1.1	28	1.1	450	91.250	GFL06-2M □□□080C32	406
	16	1.1	19	1.1	29	1.1	428	88.200	GFL06-3M □□□080C32	414
	16	2.0	19	2.0	28	2.0	444	90.000	GFL07-2M □□□080C32	406
	15	2.1	19	2.1	27	2.1	449	92.413	GFL07-3M □□□080C32	414
	14	1.1	17	1.1	25	1.1	482	99.361	GFL06-3M □□□080C32	414
	14	2.1	16	2.1	24	2.1	506	104.127	GFL07-3M □□□080C32	414
	13	1.9	15	1.9	22	1.9	550	113.206	GFL07-3M □□□080C32	414
	12	0.9	15	0.9	22	0.9	566	116.571	GFL06-3M □□□080C32	414
	11	0.9	13	0.9	19	0.9	638	131.323	GFL06-3M □□□080C32	414
	11	1.9	13	1.9	20	1.9	619	127.556	GFL07-3M □□□080C32	414
	9.6	1.6	12	1.6	17	1.6	715	147.347	GFL07-3M □□□080C32	414
	9.5	2.8	12	2.8	17	2.8	722	148.815	GFL09-3M □□□080C32	414
	8.5	1.6	10	1.6	15	1.6	806	166.025	GFL07-3M □□□080C32	414
	8.4	2.8	10	2.8	15	2.8	814	167.712	GFL09-3M □□□080C32	414
	7.7	1.4	9.3	1.4	14	1.4	890	183.285	GFL07-3M □□□080C32	414
	7.6	2.5	9.2	2.5	14	2.5	899	185.111	GFL09-3M □□□080C32	414
	6.8	1.2	8.3	1.2	12	1.2	1003	206.519	GFL07-3M □□□080C32	414
	6.8	2.5	8.2	2.5	12	2.5	1013	208.617	GFL09-3M □□□080C32	414
	6.3	1.2	7.6	1.2	11	1.2	1090	224.636	GFL07-3M □□□080C32	414
	6.3	2.2	7.6	2.2	11	2.2	1091	224.778	GFL09-3M □□□080C32	414
	5.6	1.0	6.8	1.0	10	1.0	1229	253.111	GFL07-3M □□□080C32	414
	5.6	2.2	6.8	2.2	10	2.2	1230	253.321	GFL09-3M □□□080C32	414
	4.9	1.0	5.9	1.0	8.7	1.0	1411	290.706	GFL07-3M □□□080C32	414
	4.9	1.9	5.9	1.9	8.7	1.9	1412	290.889	GFL09-3M □□□080C32	414
	4.3	1.9	5.2	1.9	7.7	1.9	1591	327.827	GFL09-3M □□□080C32	414
	4	0.8	4.9	0.8	7.1	0.8	1713	352.811	GFL07-3M □□□080C32	414
	4	1.6	4.8	1.6	7.1	1.6	1714	353.033	GFL09-3M □□□080C32	414
	3.9	2.5	4.8	2.5	7	2.5	1738	358.077	GFL11-3M □□□080C32	414
	3.5	1.6	4.3	1.6	6.3	1.6	1931	397.863	GFL09-3M □□□080C32	414
	3.5	2.5	4.2	2.5	6.3	2.5	1959	403.467	GFL11-3M □□□080C32	414
	3.3	1.3	4	1.3	5.9	1.3	2059	424.247	GFL09-3M □□□080C32	414
	3.3	2.9	4	2.9	5.9	2.9	2088	430.222	GFL11-3M □□□080C32	414
	2.7	1.1	3.3	1.1	4.9	1.1	2499	514.881	GFL09-3M □□□080C32	414



50 Hz: $P_N=0.75$ kW
60 Hz: $P_N=0.92$ kW
87 Hz: $P_N=1.35$ kW

n_N	1410 r/min		1710 r/min		2520 r/min		M_2 [Nm]	i		
f_N	50 Hz		60 Hz		87 Hz					
P_N	0.75 kW		0.92 kW		1.35 kW					
	n_2 [r/min]	c	n_2 [r/min]	c	n_2 [r/min]	c				
	2.7	2.3	3.3	2.3	4.8	2.3	2535	522.133	GFL11-3M □□□080C32	414
	2.5	2.0	3	2.0	4.5	2.0	2730	562.391	GFL11-3M □□□080C32	414
	2.2	1.9	2.7	1.9	4	1.9	3076	633.680	GFL11-3M □□□080C32	414
	1.8	1.5	2.1	1.5	3.2	1.5	3888	801.000	GFL11-3M □□□080C32	414



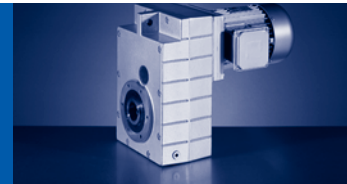
GFL

GFL [Nm] - MD□MA (IE1)

50 Hz: P_N=1.1 kW

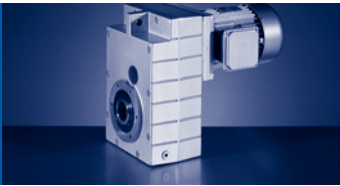
60 Hz: P_N=1.3 kW

n _N	2720 r/min		3320 r/min				M ₂ [Nm]	i		
f _N	50 Hz		60 Hz							
P _N	1.1 kW		1.3 kW							
	n ₂ [r/min]	c	n ₂ [r/min]	c						
	743	4.5	907	4.2			14	3.659	GFL04-2M □□□080C31	406
	542	4.5	662	4.2			19	5.018	GFL04-2M □□□080C31	406
	466	4.5	569	4.2			22	5.833	GFL04-2M □□□080C31	406
	424	3.8	517	3.6			24	6.422	GFL04-2M □□□080C31	406
	387	3.5	473	3.3			26	7.025	GFL04-2M □□□080C31	406
	325	4.5	396	4.2			31	8.379	GFL04-2M □□□080C31	406
	291	3.9	356	3.6			35	9.333	GFL04-2M □□□080C31	406
	266	3.4	324	3.2			38	10.238	GFL04-2M □□□080C31	406
	237	3.5	289	3.2			43	11.491	GFL04-2M □□□080C31	406
	213	2.8	259	2.7			48	12.800	GFL04-2M □□□080C31	406
	185	2.7	226	2.5			55	14.706	GFL04-2M □□□080C31	406
	169	2.5	206	2.3			60	16.087	GFL04-2M □□□080C31	406
	152	2.0	185	1.9			67	17.920	GFL04-2M □□□080C31	406
	133	2.0	162	1.8			77	20.519	GFL04-2M □□□080C31	406
	119	1.6	145	1.5			86	22.857	GFL04-2M □□□080C31	406
	119	3.0	145	2.8			86	22.857	GFL05-2M □□□080C31	406
	108	1.8	132	1.7			94	25.136	GFL04-2M □□□080C31	406
	97	1.5	119	1.4			105	28.000	GFL04-2M □□□080C31	406
	97	2.8	119	2.6			105	28.000	GFL05-2M □□□080C31	406
	86	1.5	105	1.4			118	31.600	GFL04-2M □□□080C31	406
	84	2.7	103	2.5			121	32.344	GFL05-2M □□□080C31	406
	77	1.2	94	1.1			132	35.200	GFL04-2M □□□080C31	406
	75	2.2	91	2.0			137	36.444	GFL05-2M □□□080C31	406
	68	2.1	83	2.0			151	40.233	GFL05-2M □□□080C31	406
	67	1.1	82	1.1			153	40.697	GFL04-2M □□□080C31	406
	60	0.9	73	0.9			170	45.333	GFL04-2M □□□080C31	406
	60	1.8	73	1.6			170	45.333	GFL05-2M □□□080C31	406
	52	1.5	64	1.4			195	52.067	GFL05-2M □□□080C31	406
	52	3.1	63	2.9			198	52.800	GFL06-2M □□□080C31	406
	46	1.4	57	1.3			220	58.667	GFL05-2M □□□080C31	406
	46	2.6	56	2.4			223	59.481	GFL06-2M □□□080C31	406
	44	0.9					228	61.653	GFL05-3M □□□080C31	414
	43	1.1	53	1.0			237	63.190	GFL05-2M □□□080C31	406
	43	3.1	53	2.9			237	63.190	GFL07-2M □□□080C31	406
	42	2.2	52	2.1			240	64.080	GFL06-2M □□□080C31	406
	41	2.0	50	2.0			244	66.213	GFL06-3M □□□080C31	414
	38	1.1	47	1.1			267	71.200	GFL05-2M □□□080C31	406
	38	1.9	46	1.8			266	72.000	GFL06-3M □□□080C31	414
	38	2.3	46	2.2			271	72.189	GFL06-2M □□□080C31	406
	38	3.3	46	3.1			267	72.452	GFL07-3M □□□080C31	414
	34	1.4	41	1.4			304	81.000	GFL06-2M □□□080C31	406



50 Hz: P_N=1.1 kW
60 Hz: P_N=1.3 kW

n _N	2720 r/min		3320 r/min				M ₂ [Nm]	i		
f _N	50 Hz		60 Hz							
P _N	1.1 kW		1.3 kW							
	n ₂ [r/min]	c	n ₂ [r/min]	c						
	34	1.7	41	1.6			299	81.111	GFL06-3M □□□080C31	414
	34	2.7	42	2.6			299	79.875	GFL07-2M □□□080C31	406
	33	3.3	41	3.1			301	81.636	GFL07-3M □□□080C31	414
	31	1.5	38	1.5			326	88.200	GFL06-3M □□□080C31	414
	30	0.9	37	0.9			333	90.123	GFL05-3M □□□080C31	414
	30	1.4	36	1.4			342	91.250	GFL06-2M □□□080C31	406
	30	2.7	37	2.6			337	90.000	GFL07-2M □□□080C31	406
	29	2.8	36	2.7			341	92.413	GFL07-3M □□□080C31	414
	27	0.9	33	0.9			375	101.547	GFL05-3M □□□080C31	414
	27	1.5	33	1.5			367	99.361	GFL06-3M □□□080C31	414
	26	2.8	32	2.7			384	104.127	GFL07-3M □□□080C31	414
	24	2.5	29	2.4			418	113.206	GFL07-3M □□□080C31	414
	23	1.2	29	1.2			430	116.571	GFL06-3M □□□080C31	414
	21	1.2	25	1.2			485	131.323	GFL06-3M □□□080C31	414
	21	2.5	26	2.4			471	127.556	GFL07-3M □□□080C31	414
	19	1.1	23	1.0			533	144.320	GFL06-3M □□□080C31	414
	19	2.1	23	2.0			544	147.347	GFL07-3M □□□080C31	414
	17	1.0	20	1.0			600	162.583	GFL06-3M □□□080C31	414
	16	2.0	20	2.0			613	166.025	GFL07-3M □□□080C31	414
	15	0.9	19	0.9			663	179.520	GFL06-3M □□□080C31	414
	15	1.8	18	1.8			676	183.285	GFL07-3M □□□080C31	414
	13	0.8					746	202.237	GFL06-3M □□□080C31	414
	13	1.6	16	1.6			762	206.519	GFL07-3M □□□080C31	414
	12	1.6	15	1.6			829	224.636	GFL07-3M □□□080C31	414
	12	2.9	15	2.8			830	224.778	GFL09-3M □□□080C31	414
	11	1.4	13	1.3			934	253.111	GFL07-3M □□□080C31	414
	11	2.9	13	2.8			935	253.321	GFL09-3M □□□080C31	414
	9.4	1.3	11	1.2			1073	290.706	GFL07-3M □□□080C31	414
	9.4	2.5	11	2.4			1074	290.889	GFL09-3M □□□080C31	414
	8.3	1.0	10	1.0			1209	327.556	GFL07-3M □□□080C31	414
	8.3	2.5	10	2.4			1210	327.827	GFL09-3M □□□080C31	414
	7.7	1.1	9.4	1.0			1302	352.811	GFL07-3M □□□080C31	414
	7.7	2.2	9.4	2.1			1303	353.033	GFL09-3M □□□080C31	414
	6.8	0.9	8.4	0.8			1467	397.533	GFL07-3M □□□080C31	414
	6.8	2.2	8.3	2.1			1468	397.863	GFL09-3M □□□080C31	414
	6.4	1.7	7.8	1.7			1566	424.247	GFL09-3M □□□080C31	414
	5.3	1.4	6.5	1.4			1900	514.881	GFL09-3M □□□080C31	414
	5.2	3.1	6.4	3.0			1927	522.133	GFL11-3M □□□080C31	414
	4.9	1.0	6	1.0			2046	554.470	GFL09-3M □□□080C31	414
	4.8	2.6	5.9	2.5			2076	562.391	GFL11-3M □□□080C31	414
	4.4	1.0	5.3	1.0			2306	624.879	GFL09-3M □□□080C31	414



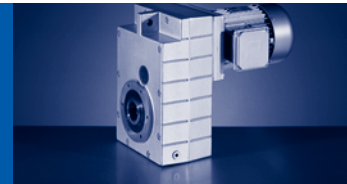
GFL

GFL [Nm] - MD□MA (IE1)

50 Hz: $P_N=1.1$ kW

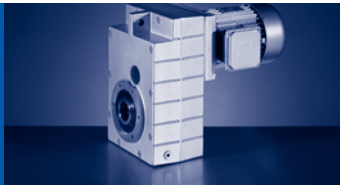
60 Hz: $P_N=1.3$ kW

n _N	2720 r/min		3320 r/min				M ₂ [Nm]	i		
f _N	50 Hz		60 Hz							
P _N	1.1 kW		1.3 kW							
	n ₂ [r/min]	c	n ₂ [r/min]	c						
	4.3	2.5	5.2	2.4			2339	633.680	GFL11-3M □□□080C31	414
	3.9	0.8					2587	700.875	GFL09-3M □□□080C31	414
	3.4	2.0	4.1	1.9			2956	801.000	GFL11-3M □□□080C31	414



50 Hz: P_N=1.1 kW
60 Hz: P_N=1.3 kW
87 Hz: P_N=2.0 kW

n _N	1390 r/min		1690 r/min		2500 r/min		M ₂ [Nm]	i		
f _N	50 Hz		60 Hz		87 Hz					
P _N	1.1 kW		1.3 kW		2.0 kW					
	n ₂ [r/min]	c	n ₂ [r/min]	c	n ₂ [r/min]	c				
	380	4.1	462	3.9	683	3.4	27	3.659	GFL04-2M □□□080C42	406
	304	4.5	370	4.3	547	3.8	34	4.571	GFL05-2M □□□080C42	406
	277	3.0	337	2.9	498	2.6	37	5.018	GFL04-2M □□□080C42	406
	238	3.6	290	3.4	429	3.0	43	5.833	GFL04-2M □□□080C42	406
	216	2.4	263	2.3	389	2.0	47	6.422	GFL04-2M □□□080C42	406
	198	2.2	241	2.1	356	1.9	52	7.025	GFL04-2M □□□080C42	406
	166	2.9	202	2.8	298	2.5	61	8.379	GFL04-2M □□□080C42	406
	149	2.4	181	2.3	268	2.0	68	9.333	GFL04-2M □□□080C42	406
	136	2.1	165	2.0	244	1.8	75	10.238	GFL04-2M □□□080C42	406
	121	2.2	147	2.1	218	1.8	84	11.491	GFL04-2M □□□080C42	406
	109	1.8	132	1.7	195	1.5	94	12.800	GFL04-2M □□□080C42	406
	109	3.0	132	2.9	195	2.6	94	12.800	GFL05-2M □□□080C42	406
	96	2.8	116	2.7	172	2.4	107	14.538	GFL05-2M □□□080C42	406
	95	1.7	115	1.6	170	1.4	108	14.706	GFL04-2M □□□080C42	406
	87	2.7	106	2.6	157	2.2	117	15.904	GFL05-2M □□□080C42	406
	86	1.5	105	1.5	155	1.3	118	16.087	GFL04-2M □□□080C42	406
	78	1.3	94	1.2	140	1.1	131	17.920	GFL04-2M □□□080C42	406
	78	2.4	94	2.3	140	2.0	131	17.920	GFL05-2M □□□080C42	406
	69	2.2	83	2.2	123	1.9	149	20.286	GFL05-2M □□□080C42	406
	68	1.2	82	1.2	122	1.0	150	20.519	GFL04-2M □□□080C42	406
	61	1.0	74	1.0	109	0.8	168	22.857	GFL04-2M □□□080C42	406
	61	1.9	74	1.8	109	1.6	168	22.857	GFL05-2M □□□080C42	406
	56	1.9	68	1.9	101	1.8	182	24.850	GFL05-2M □□□080C42	406
	55	1.0	67	1.0	100	1.0	184	25.136	GFL04-2M □□□080C42	406
	50	0.8	60	0.8			205	28.000	GFL04-2M □□□080C42	406
	50	1.5	60	1.5	89	1.5	205	28.000	GFL05-2M □□□080C42	406
	49	2.9	60	2.9	88	2.8	208	28.389	GFL06-2M □□□080C42	406
	43	1.5	52	1.5	77	1.4	237	32.344	GFL05-2M □□□080C42	406
	42	2.7	52	2.7	76	2.6	241	32.800	GFL06-2M □□□080C42	406
	38	1.2	46	1.2	69	1.1	267	36.444	GFL05-2M □□□080C42	406
	38	2.3	46	2.3	68	2.2	271	36.951	GFL06-2M □□□080C42	406
	35	1.2	42	1.2	62	1.1	295	40.233	GFL05-2M □□□080C42	406
	35	3.1	43	3.1	63	3.0	291	39.642	GFL07-2M □□□080C42	406
	34	2.2	41	2.2	61	2.1	299	40.800	GFL06-2M □□□080C42	406
	31	1.0	37	1.0	55	0.9	332	45.333	GFL05-2M □□□080C42	406
	31	3.1	38	3.1	56	3.0	328	44.667	GFL07-2M □□□080C42	406
	30	1.8	37	1.8	54	1.7	337	45.963	GFL06-2M □□□080C42	406
	27	2.9	33	2.9	48	2.8	382	52.067	GFL07-2M □□□080C42	406
	26	1.7	32	1.7	47	1.6	387	52.800	GFL06-2M □□□080C42	406
	24	2.9	29	2.9	43	2.8	430	58.667	GFL07-2M □□□080C42	406
	23	1.4	28	1.4	42	1.4	436	59.481	GFL06-2M □□□080C42	406



GFL

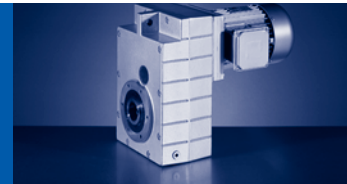
GFL [Nm] - MD□MA (IE1)

50 Hz: P_N=1.1 kW

60 Hz: P_N=1.3 kW

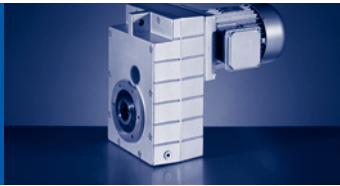
87 Hz: P_N=2.0 kW

n _N	1390 r/min		1690 r/min		2500 r/min		M ₂ [Nm]	i		
f _N	50 Hz		60 Hz		87 Hz					
P _N	1.1 kW		1.3 kW		2.0 kW					
	n ₂ [r/min]	c	n ₂ [r/min]	c	n ₂ [r/min]	c				
	22	1.2	26	1.2	39	1.2	470	64.080	GFL06-2M □□□080C42	406
	22	2.3	27	2.3	40	2.2	463	63.190	GFL07-2M □□□080C42	406
	21	1.0	26	1.0	38	1.0	478	66.213	GFL06-3M □□□080C42	414
	21	1.9	26	1.9	38	1.9	472	65.306	GFL07-3M □□□080C42	414
	20	2.3	24	2.3	35	2.3	522	71.200	GFL07-2M □□□080C42	406
	19	1.0	24	1.0	35	1.0	520	72.000	GFL06-3M □□□080C42	414
	19	1.2	23	1.2	35	1.2	529	72.189	GFL06-2M □□□080C42	406
	19	1.7	23	1.7	35	1.7	523	72.452	GFL07-3M □□□080C42	414
	19	2.9	23	2.9	34	2.9	529	73.173	GFL09-3M □□□080C42	414
	17	0.9	21	0.9	31	0.9	586	81.111	GFL06-3M □□□080C42	414
	17	1.4	21	1.4	31	1.4	586	79.875	GFL07-2M □□□080C42	406
	17	1.7	21	1.7	31	1.7	590	81.636	GFL07-3M □□□080C42	414
	17	2.9	21	2.9	30	2.9	596	82.465	GFL09-3M □□□080C42	414
	15	1.4	19	1.4	28	1.4	660	90.000	GFL07-2M □□□080C42	406
	15	1.4	18	1.4	27	1.4	667	92.413	GFL07-3M □□□080C42	414
	15	2.5	18	2.5	27	2.5	674	93.333	GFL09-3M □□□080C42	414
	13	1.4	16	1.4	24	1.4	752	104.127	GFL07-3M □□□080C42	414
	13	2.5	16	2.5	24	2.5	760	105.185	GFL09-3M □□□080C42	414
	12	1.3	15	1.3	22	1.3	818	113.206	GFL07-3M □□□080C42	414
	12	2.2	15	2.2	22	2.2	826	114.333	GFL09-3M □□□080C42	414
	11	1.3	13	1.3	20	1.3	921	127.556	GFL07-3M □□□080C42	414
	11	2.2	13	2.2	19	2.2	931	128.852	GFL09-3M □□□080C42	414
	9.4	1.1	12	1.1	17	1.1	1064	147.347	GFL07-3M □□□080C42	414
	9.3	1.9	11	1.9	17	1.9	1075	148.815	GFL09-3M □□□080C42	414
	8.4	1.0	10	1.0	15	1.0	1199	166.025	GFL07-3M □□□080C42	414
	8.3	1.9	10	1.9	15	1.9	1211	167.712	GFL09-3M □□□080C42	414
	7.6	0.9	9.2	0.9	14	0.9	1324	183.285	GFL07-3M □□□080C42	414
	7.6	3.1	9.3	3.1	14	3.1	1320	182.792	GFL11-3M □□□080C42	414
	7.5	1.7	9.1	1.7	14	1.7	1337	185.111	GFL09-3M □□□080C42	414
	6.8	3.1	8.2	3.1	12	3.1	1488	205.963	GFL11-3M □□□080C42	414
	6.7	0.8	8.2	0.8	12	0.8	1492	206.519	GFL07-3M □□□080C42	414
	6.7	1.7	8.1	1.7	12	1.7	1507	208.617	GFL09-3M □□□080C42	414
	6.2	0.8	7.5	0.8	11	0.8	1622	224.636	GFL07-3M □□□080C42	414
	6.2	1.5	7.5	1.5	11	1.5	1623	224.778	GFL09-3M □□□080C42	414
	6.2	2.8	7.5	2.8	11	2.8	1622	224.636	GFL11-3M □□□080C42	414
	5.5	1.5	6.7	1.5	9.9	1.5	1830	253.321	GFL09-3M □□□080C42	414
	5.5	2.8	6.7	2.8	9.9	2.8	1828	253.111	GFL11-3M □□□080C42	414
	5.2	2.7	6.3	2.7	9.4	2.7	1930	267.259	GFL11-3M □□□080C42	414
	4.8	1.3	5.8	1.3	8.6	1.3	2101	290.889	GFL09-3M □□□080C42	414
	4.2	1.3	5.2	1.3	7.6	1.3	2368	327.827	GFL09-3M □□□080C42	414
	4.2	2.3	5.2	2.3	7.6	2.3	2366	327.556	GFL11-3M □□□080C42	414



50 Hz: $P_N=1.1$ kW
60 Hz: $P_N=1.3$ kW
87 Hz: $P_N=2.0$ kW

n _N	1390 r/min		1690 r/min		2500 r/min		M ₂ [Nm]	i		
f _N	50 Hz		60 Hz		87 Hz					
P _N	1.1 kW		1.3 kW		2.0 kW					
	n ₂ [r/min]	c	n ₂ [r/min]	c	n ₂ [r/min]	c				
	3.9	1.1	4.8	1.1	7.1	1.1	2550	353.033	GFL09-3M □□□080C42	414
	3.9	2.0	4.7	2.0	7	2.0	2586	358.077	GFL11-3M □□□080C42	414
	3.5	1.1	4.3	1.1	6.3	1.1	2873	397.863	GFL09-3M □□□080C42	414
	3.5	2.0	4.2	2.0	6.2	2.0	2914	403.467	GFL11-3M □□□080C42	414
	3.3	0.9	4	0.9	5.9	0.9	3064	424.247	GFL09-3M □□□080C42	414
	3.2	1.9	3.9	1.9	5.8	1.9	3107	430.222	GFL11-3M □□□080C42	414
	2.7	1.6	3.2	1.6	4.8	1.6	3771	522.133	GFL11-3M □□□080C42	414
	2.5	1.3	3	1.3	4.5	1.3	4062	562.391	GFL11-3M □□□080C42	414
	2.2	1.3	2.7	1.3	4	1.3	4576	633.680	GFL11-3M □□□080C42	414
	1.7	1.0	2.1	1.0	3.1	1.0	5785	801.000	GFL11-3M □□□080C42	414



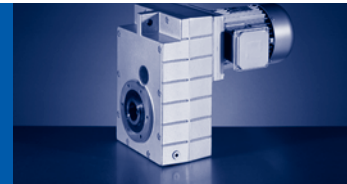
GFL

GFL [Nm] - MD□MA (IE1)

50 Hz: P_N=1.5 kW

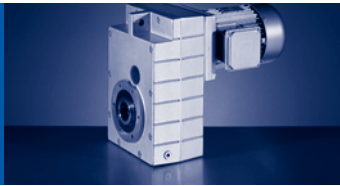
60 Hz: P_N=1.8 kW

n _N	2710 r/min		3310 r/min				M ₂ [Nm]	i		
f _N	50 Hz		60 Hz							
P _N	1.5 kW		1.8 kW							
	n ₂ [r/min]	c	n ₂ [r/min]	c						
	741	4.8	905	4.5			19	3.659	GFL04-2M □□□090C11	410
	593	6.0	724	5.6			23	4.571	GFL05-2M □□□090C11	406
	540	3.6	660	3.3			26	5.018	GFL04-2M □□□090C11	410
	465	4.2	567	3.9			30	5.833	GFL04-2M □□□090C11	410
	422	2.8	515	2.6			33	6.422	GFL04-2M □□□090C11	410
	386	2.6	471	2.4			36	7.025	GFL04-2M □□□090C11	410
	323	3.4	395	3.2			43	8.379	GFL04-2M □□□090C11	410
	290	2.8	355	2.7			48	9.333	GFL04-2M □□□090C11	410
	265	2.5	323	2.3			53	10.238	GFL04-2M □□□090C11	410
	236	2.5	288	2.4			59	11.491	GFL04-2M □□□090C11	410
	212	2.1	259	1.9			66	12.800	GFL04-2M □□□090C11	410
	184	2.0	225	1.9			75	14.706	GFL04-2M □□□090C11	410
	170	3.1	208	2.9			82	15.904	GFL05-2M □□□090C11	406
	169	1.8	206	1.7			83	16.087	GFL04-2M □□□090C11	410
	151	1.5	185	1.4			92	17.920	GFL04-2M □□□090C11	410
	151	2.8	185	2.6			92	17.920	GFL05-2M □□□090C11	406
	134	2.6	163	2.5			104	20.286	GFL05-2M □□□090C11	406
	132	1.4	161	1.3			105	20.519	GFL04-2M □□□090C11	410
	119	1.2	145	1.1			117	22.857	GFL04-2M □□□090C11	410
	119	2.2	145	2.1			117	22.857	GFL05-2M □□□090C11	406
	109	2.5	133	2.4			127	24.850	GFL05-2M □□□090C11	406
	108	1.3	132	1.2			129	25.136	GFL04-2M □□□090C11	410
	97	1.1	118	1.0			144	28.000	GFL04-2M □□□090C11	410
	97	2.0	118	1.9			144	28.000	GFL05-2M □□□090C11	406
	84	1.9	102	1.8			166	32.344	GFL05-2M □□□090C11	406
	74	1.6	91	1.5			187	36.444	GFL05-2M □□□090C11	406
	73	3.0	90	2.8			190	36.951	GFL06-2M □□□090C11	406
	67	1.6	82	1.5			206	40.233	GFL05-2M □□□090C11	406
	66	2.9	81	2.7			209	40.800	GFL06-2M □□□090C11	406
	60	1.3	73	1.2			233	45.333	GFL05-2M □□□090C11	406
	59	2.4	72	2.3			236	45.963	GFL06-2M □□□090C11	406
	51	2.3	63	2.1			271	52.800	GFL06-2M □□□090C11	406
	46	1.9	56	1.8			305	59.481	GFL06-2M □□□090C11	406
	42	1.6	52	1.5			329	64.080	GFL06-2M □□□090C11	406
	42	2.7	51	2.6			330	65.306	GFL07-3M □□□090C11	414
	41	1.5	50	1.4			335	66.213	GFL06-3M □□□090C11	414
	38	1.4	46	1.3			364	72.000	GFL06-3M □□□090C11	414
	38	1.7	46	1.6			370	72.189	GFL06-2M □□□090C11	406
	37	2.4	46	2.3			366	72.452	GFL07-3M □□□090C11	414
	34	2.1	41	2.0			410	79.875	GFL07-2M □□□090C11	406
	33	1.2	41	1.2			410	81.111	GFL06-3M □□□090C11	414



50 Hz: P_N=1.5 kW
60 Hz: P_N=1.8 kW

n _N	2710 r/min		3310 r/min				M ₂ [Nm]	i		
f _N	50 Hz		60 Hz							
P _N	1.5 kW		1.8 kW							
	n ₂ [r/min]	c	n ₂ [r/min]	c						
	33	2.4	41	2.3			412	81.636	GFL07-3M □□□090C11	414
	31	1.1	38	1.1			446	88.200	GFL06-3M □□□090C11	414
	30	2.0	37	2.0			462	90.000	GFL07-2M □□□090C11	406
	29	2.1	36	2.0			467	92.413	GFL07-3M □□□090C11	414
	27	1.1	33	1.1			502	99.361	GFL06-3M □□□090C11	414
	26	2.1	32	2.0			526	104.127	GFL07-3M □□□090C11	414
	24	1.8	29	1.8			572	113.206	GFL07-3M □□□090C11	414
	24	3.2	29	3.1			578	114.333	GFL09-3M □□□090C11	414
	21	0.9	25	0.9			663	131.323	GFL06-3M □□□090C11	414
	21	1.8	26	1.8			644	127.556	GFL07-3M □□□090C11	414
	21	3.2	26	3.1			651	128.852	GFL09-3M □□□090C11	414
	18	1.5	23	1.5			744	147.347	GFL07-3M □□□090C11	414
	18	2.7	22	2.6			752	148.815	GFL09-3M □□□090C11	414
	16	1.5	20	1.4			839	166.025	GFL07-3M □□□090C11	414
	16	2.7	20	2.6			847	167.712	GFL09-3M □□□090C11	414
	15	1.3	18	1.3			926	183.285	GFL07-3M □□□090C11	414
	15	2.4	18	2.3			935	185.111	GFL09-3M □□□090C11	414
	13	1.2	16	1.2			1043	206.519	GFL07-3M □□□090C11	414
	13	2.4	16	2.3			1054	208.617	GFL09-3M □□□090C11	414
	12	1.2	15	1.2			1135	224.636	GFL07-3M □□□090C11	414
	12	2.1	15	2.1			1135	224.778	GFL09-3M □□□090C11	414
	11	1.0	13	1.0			1279	253.111	GFL07-3M □□□090C11	414
	11	2.1	13	2.1			1280	253.321	GFL09-3M □□□090C11	414
	9.3	1.8	11	1.7			1469	290.889	GFL09-3M □□□090C11	414
	8.3	1.8	10	1.7			1656	327.827	GFL09-3M □□□090C11	414
	7.7	1.6	9.4	1.5			1783	353.033	GFL09-3M □□□090C11	414
	7.6	2.9	9.2	2.8			1809	358.077	GFL11-3M □□□090C11	414
	6.8	1.6	8.3	1.5			2010	397.863	GFL09-3M □□□090C11	414
	6.7	2.9	8.2	2.8			2038	403.467	GFL11-3M □□□090C11	414
	6.4	1.3	7.8	1.2			2143	424.247	GFL09-3M □□□090C11	414
	6.3	2.7	7.7	2.7			2173	430.222	GFL11-3M □□□090C11	414
	5.3	1.1	6.4	1.0			2601	514.881	GFL09-3M □□□090C11	414
	5.2	2.3	6.3	2.2			2637	522.133	GFL11-3M □□□090C11	414
	4.8	1.9	5.9	1.8			2841	562.391	GFL11-3M □□□090C11	414
	4.8	3.2	5.9	3.1			2841	562.391	GFL14-3M □□□090C11	414
	4.3	1.8	5.2	1.8			3201	633.680	GFL11-3M □□□090C11	414
	4.3	3.1	5.2	3.0			3201	633.680	GFL14-3M □□□090C11	414
	3.4	1.4	4.1	1.4			4046	801.000	GFL11-3M □□□090C11	414
	3.4	2.4	4.1	2.4			4046	801.000	GFL14-3M □□□090C11	414



GFL

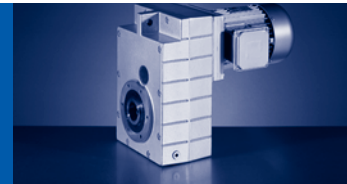
GFL [Nm] - MD□MA (IE1)

50 Hz: P_N=1.5 kW

60 Hz: P_N=1.8 kW

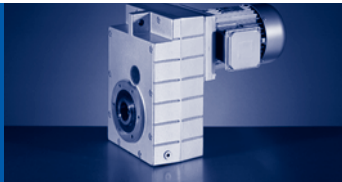
87 Hz: P_N=2.7 kW

n _N	1410 r/min		1710 r/min		2520 r/min		M ₂ [Nm]	i		
f _N	50 Hz		60 Hz		87 Hz					
P _N	1.5 kW		1.8 kW		2.7 kW					
	n ₂ [r/min]	c	n ₂ [r/min]	c	n ₂ [r/min]	c				
	381	3.0	463	2.9	685	2.5	37	3.659	GFL04-2M □□□090C32	410
	305	3.7	371	3.6	548	3.2	46	4.571	GFL05-2M □□□090C32	406
	278	2.2	338	2.1	499	1.9	50	5.018	GFL04-2M □□□090C32	410
	239	2.6	291	2.5	429	2.2	58	5.833	GFL04-2M □□□090C32	410
	218	2.7	265	2.6	391	2.3	64	6.400	GFL05-2M □□□090C32	406
	217	1.8	264	1.7	390	1.5	64	6.422	GFL04-2M □□□090C32	410
	199	1.6	241	1.6	357	1.4	70	7.025	GFL04-2M □□□090C32	410
	167	2.1	202	2.1	299	1.8	84	8.379	GFL04-2M □□□090C32	410
	155	3.0	188	2.8	278	2.5	90	9.010	GFL05-2M □□□090C32	406
	150	1.8	182	1.7	268	1.5	93	9.333	GFL04-2M □□□090C32	410
	140	2.8	170	2.7	252	2.3	99	9.946	GFL05-2M □□□090C32	406
	136	1.6	166	1.5	245	1.3	102	10.238	GFL04-2M □□□090C32	410
	123	2.5	149	2.4	221	2.1	113	11.360	GFL05-2M □□□090C32	406
	121	1.6	148	1.5	218	1.3	115	11.491	GFL04-2M □□□090C32	410
	109	1.3	132	1.3	196	1.1	128	12.800	GFL04-2M □□□090C32	410
	109	2.2	132	2.1	196	1.9	128	12.800	GFL05-2M □□□090C32	406
	96	2.1	117	2.0	172	1.8	145	14.538	GFL05-2M □□□090C32	406
	95	1.2	115	1.2	170	1.1	147	14.706	GFL04-2M □□□090C32	410
	88	2.0	107	1.9	158	1.7	158	15.904	GFL05-2M □□□090C32	406
	87	1.1	105	1.1	156	1.0	160	16.087	GFL04-2M □□□090C32	410
	78	0.9	95	0.9			179	17.920	GFL04-2M □□□090C32	410
	78	1.8	95	1.7	140	1.5	179	17.920	GFL05-2M □□□090C32	406
	69	1.7	84	1.6	124	1.4	202	20.286	GFL05-2M □□□090C32	406
	68	0.9	83	0.9			204	20.519	GFL04-2M □□□090C32	410
	68	3.2	82	3.0	122	2.7	205	20.571	GFL06-2M □□□090C32	406
	61	1.4	74	1.3	110	1.2	228	22.857	GFL05-2M □□□090C32	406
	60	2.6	73	2.5	108	2.2	231	23.175	GFL06-2M □□□090C32	406
	56	1.4	68	1.4	101	1.3	248	24.850	GFL05-2M □□□090C32	406
	55	2.6	67	2.6	99	2.5	251	25.200	GFL06-2M □□□090C32	406
	50	1.1	61	1.1	90	1.1	279	28.000	GFL05-2M □□□090C32	406
	49	2.2	60	2.2	88	2.1	283	28.389	GFL06-2M □□□090C32	406
	43	1.1	52	1.1	77	1.0	322	32.344	GFL05-2M □□□090C32	406
	43	2.0	52	2.0	76	1.9	327	32.800	GFL06-2M □□□090C32	406
	38	0.9	47	0.9	69	0.8	363	36.444	GFL05-2M □□□090C32	406
	38	1.7	46	1.7	68	1.6	368	36.951	GFL06-2M □□□090C32	406
	35	0.9	42	0.9	62	0.8	401	40.233	GFL05-2M □□□090C32	406
	35	2.8	43	2.8	63	2.7	395	39.642	GFL07-2M □□□090C32	406
	34	1.6	42	1.6	61	1.6	407	40.800	GFL06-2M □□□090C32	406
	31	2.8	38	2.8	56	2.7	445	44.667	GFL07-2M □□□090C32	406
	30	1.3	37	1.3	55	1.3	458	45.963	GFL06-2M □□□090C32	406
	27	2.4	33	2.4	48	2.3	519	52.067	GFL07-2M □□□090C32	406



50 Hz: P_N=1.5 kW
60 Hz: P_N=1.8 kW
87 Hz: P_N=2.7 kW

n _N	1410 r/min		1710 r/min		2520 r/min		M ₂ [Nm]	i		
f _N	50 Hz		60 Hz		87 Hz					
P _N	1.5 kW		1.8 kW		2.7 kW					
	n ₂ [r/min]	c	n ₂ [r/min]	c	n ₂ [r/min]	c				
	27	2.8	33	2.8	49	2.7	511	51.333	GFL09-2M □□□090C32	406
	26	1.3	32	1.3	47	1.2	526	52.800	GFL06-2M □□□090C32	406
	24	1.0	29	1.0	42	1.0	593	59.481	GFL06-2M □□□090C32	406
	24	2.2	29	2.2	43	2.1	585	58.667	GFL07-2M □□□090C32	406
	24	2.8	29	2.8	43	2.7	576	57.852	GFL09-2M □□□090C32	406
	22	0.9	27	0.9	39	0.9	638	64.080	GFL06-2M □□□090C32	406
	22	2.0	27	2.0	40	1.9	630	63.190	GFL07-2M □□□090C32	406
	22	2.4	27	2.4	40	2.3	621	63.326	GFL09-3M □□□090C32	414
	22	2.5	27	2.5	40	2.4	621	62.300	GFL09-2M □□□090C32	406
	21	1.4	26	1.4	38	1.4	641	65.306	GFL07-3M □□□090C32	414
	20	1.8	24	1.8	35	1.8	709	71.200	GFL07-2M □□□090C32	406
	20	2.5	24	2.5	36	2.5	700	70.211	GFL09-2M □□□090C32	406
	19	0.9	24	0.9	35	0.9	719	72.189	GFL06-2M □□□090C32	406
	19	1.2	23	1.2	35	1.2	711	72.452	GFL07-3M □□□090C32	414
	19	2.1	23	2.1	34	2.1	718	73.173	GFL09-3M □□□090C32	414
	18	1.1	21	1.1	31	1.1	796	79.875	GFL07-2M □□□090C32	406
	18	1.9	22	1.9	32	1.9	785	78.750	GFL09-2M □□□090C32	406
	17	1.2	21	1.2	31	1.2	801	81.636	GFL07-3M □□□090C32	414
	17	2.1	21	2.1	30	2.1	809	82.465	GFL09-3M □□□090C32	414
	16	1.0	19	1.0	28	1.0	897	90.000	GFL07-2M □□□090C32	406
	16	1.9	19	1.9	28	1.9	884	88.750	GFL09-2M □□□090C32	406
	15	1.1	18	1.1	27	1.1	907	92.413	GFL07-3M □□□090C32	414
	15	1.9	18	1.9	27	1.9	916	93.333	GFL09-3M □□□090C32	414
	13	1.1	16	1.1	24	1.1	1022	104.127	GFL07-3M □□□090C32	414
	13	1.9	16	1.9	24	1.9	1032	105.185	GFL09-3M □□□090C32	414
	12	0.9	15	0.9	22	0.9	1111	113.206	GFL07-3M □□□090C32	414
	12	1.7	15	1.7	22	1.7	1122	114.333	GFL09-3M □□□090C32	414
	11	0.9	13	0.9	20	0.9	1252	127.556	GFL07-3M □□□090C32	414
	11	1.7	13	1.7	19	1.7	1264	128.852	GFL09-3M □□□090C32	414
	9.4	1.4	11	1.4	17	1.4	1460	148.815	GFL09-3M □□□090C32	414
	9.4	2.7	11	2.7	17	2.7	1464	149.144	GFL11-3M □□□090C32	414
	8.3	1.4	10	1.4	15	1.4	1646	167.712	GFL09-3M □□□090C32	414
	8.3	2.7	10	2.7	15	2.7	1649	168.049	GFL11-3M □□□090C32	414
	7.6	2.4	9.3	2.4	14	2.4	1794	182.792	GFL11-3M □□□090C32	414
	7.5	1.2	9.2	1.2	14	1.2	1817	185.111	GFL09-3M □□□090C32	414
	6.9	2.8	8.4	2.8	12	2.8	1983	202.074	GFL14-3M □□□090C32	414
	6.8	2.4	8.2	2.4	12	2.4	2021	205.963	GFL11-3M □□□090C32	414
	6.7	1.2	8.1	1.2	12	1.2	2047	208.617	GFL09-3M □□□090C32	414
	6.2	1.1	7.5	1.1	11	1.1	2206	224.778	GFL09-3M □□□090C32	414
	6.2	2.1	7.6	2.1	11	2.1	2204	224.636	GFL11-3M □□□090C32	414
	5.5	1.1	6.7	1.1	9.9	1.1	2486	253.321	GFL09-3M □□□090C32	414



GFL

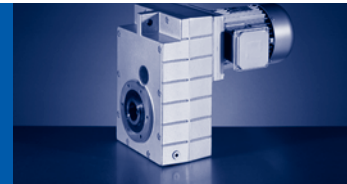
GFL [Nm] - MD□MA (IE1)

50 Hz: P_N=1.5 kW

60 Hz: P_N=1.8 kW

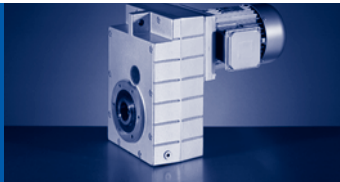
87 Hz: P_N=2.7 kW

n _N	1410 r/min		1710 r/min		2520 r/min		M ₂ [Nm]	i		
f _N	50 Hz		60 Hz		87 Hz					
P _N	1.5 kW		1.8 kW		2.7 kW					
	n ₂ [r/min]	c	n ₂ [r/min]	c	n ₂ [r/min]	c				
	5.5	2.1	6.7	2.1	9.9	2.1	2484	253.111	GFL11-3M □□□090C32	414
	5.2	2.0	6.3	2.0	9.4	2.0	2623	267.259	GFL11-3M □□□090C32	414
	4.8	0.9	5.8	0.9	8.6	0.9	2855	290.889	GFL09-3M □□□090C32	414
	4.3	0.9	5.2	0.9	7.6	0.9	3217	327.827	GFL09-3M □□□090C32	414
	4.3	1.7	5.2	1.7	7.7	1.7	3214	327.556	GFL11-3M □□□090C32	414
	4	0.8	4.8	0.8	7.1	0.8	3464	353.033	GFL09-3M □□□090C32	414
	4	2.5	4.8	2.5	7.1	2.5	3462	352.811	GFL14-3M □□□090C32	414
	3.9	1.5	4.7	1.5	7	1.5	3514	358.077	GFL11-3M □□□090C32	414
	3.5	0.8	4.3	0.8	6.3	0.8	3904	397.863	GFL09-3M □□□090C32	414
	3.5	1.5	4.2	1.5	6.2	1.5	3959	403.467	GFL11-3M □□□090C32	414
	3.5	2.5	4.3	2.5	6.3	2.5	3901	397.533	GFL14-3M □□□090C32	414
	3.2	1.4	3.9	1.4	5.8	1.4	4222	430.222	GFL11-3M □□□090C32	414
	3.2	2.5	3.9	2.5	5.8	2.5	4222	430.222	GFL14-3M □□□090C32	414
	2.7	1.2	3.3	1.2	4.8	1.2	5124	522.133	GFL11-3M □□□090C32	414
	2.7	2.1	3.3	2.1	4.8	2.1	5124	522.133	GFL14-3M □□□090C32	414
	2.5	1.0	3	1.0	4.5	1.0	5519	562.391	GFL11-3M □□□090C32	414
	2.5	1.6	3	1.6	4.5	1.6	5519	562.391	GFL14-3M □□□090C32	414
	2.2	0.9	2.7	0.9	4	0.9	6218	633.680	GFL11-3M □□□090C32	414
	2.2	1.6	2.7	1.6	4	1.6	6218	633.680	GFL14-3M □□□090C32	414
	1.7	1.3	2.1	1.3	3.1	1.3	7860	801.000	GFL14-3M □□□090C32	414



50 Hz: P_N=2.2 kW
60 Hz: P_N=2.6 kW

n _N	2730 r/min		3330 r/min				M ₂ [Nm]	i		
f _N	50 Hz		60 Hz							
P _N	2.2 kW		2.6 kW							
	n ₂ [r/min]	c	n ₂ [r/min]	c						
	746	3.3	910	3.1			27	3.659	GFL04-2M □□□090C31	410
	597	4.1	728	3.8			34	4.571	GFL05-2M □□□090C31	406
	544	2.4	664	2.3			38	5.018	GFL04-2M □□□090C31	410
	468	2.9	571	2.7			44	5.833	GFL04-2M □□□090C31	410
	427	3.0	520	2.8			48	6.400	GFL05-2M □□□090C31	406
	425	1.9	519	1.8			48	6.422	GFL04-2M □□□090C31	410
	389	1.8	474	1.7			53	7.025	GFL04-2M □□□090C31	410
	326	2.3	397	2.2			63	8.379	GFL04-2M □□□090C31	410
	303	3.2	370	3.0			67	9.010	GFL05-2M □□□090C31	406
	293	1.9	357	1.8			70	9.333	GFL04-2M □□□090C31	410
	275	3.0	335	2.8			74	9.946	GFL05-2M □□□090C31	406
	267	1.7	325	1.6			76	10.238	GFL04-2M □□□090C31	410
	240	2.7	293	2.5			85	11.360	GFL05-2M □□□090C31	406
	238	1.7	290	1.6			86	11.491	GFL04-2M □□□090C31	410
	213	1.4	260	1.3			96	12.800	GFL04-2M □□□090C31	410
	213	2.4	260	2.3			96	12.800	GFL05-2M □□□090C31	406
	188	2.3	229	2.1			109	14.538	GFL05-2M □□□090C31	406
	186	1.4	226	1.3			110	14.706	GFL04-2M □□□090C31	410
	172	2.1	209	2.0			119	15.904	GFL05-2M □□□090C31	406
	170	1.2	207	1.2			120	16.087	GFL04-2M □□□090C31	410
	152	1.0	186	1.0			134	17.920	GFL04-2M □□□090C31	410
	152	1.9	186	1.8			134	17.920	GFL05-2M □□□090C31	406
	135	1.8	164	1.7			152	20.286	GFL05-2M □□□090C31	406
	133	1.0	162	0.9			153	20.519	GFL04-2M □□□090C31	410
	119	0.8					171	22.857	GFL04-2M □□□090C31	410
	119	1.5	146	1.4			171	22.857	GFL05-2M □□□090C31	406
	118	2.9	144	2.7			173	23.175	GFL06-2M □□□090C31	406
	110	1.7	134	1.6			186	24.850	GFL05-2M □□□090C31	406
	109	0.9	133	0.9			188	25.136	GFL04-2M □□□090C31	410
	108	3.2	132	3.0			188	25.200	GFL06-2M □□□090C31	406
	98	1.4	119	1.3			209	28.000	GFL05-2M □□□090C31	406
	96	2.7	117	2.5			212	28.389	GFL06-2M □□□090C31	406
	84	1.3	103	1.2			242	32.344	GFL05-2M □□□090C31	406
	83	2.4	102	2.3			245	32.800	GFL06-2M □□□090C31	406
	75	1.1	91	1.0			272	36.444	GFL05-2M □□□090C31	406
	74	2.1	90	1.9			276	36.951	GFL06-2M □□□090C31	406
	68	1.1	83	1.0			300	40.233	GFL05-2M □□□090C31	406
	67	2.0	82	1.9			305	40.800	GFL06-2M □□□090C31	406
	60	0.9	74	0.8			339	45.333	GFL05-2M □□□090C31	406
	59	1.7	72	1.6			343	45.963	GFL06-2M □□□090C31	406
	52	1.6	63	1.5			394	52.800	GFL06-2M □□□090C31	406



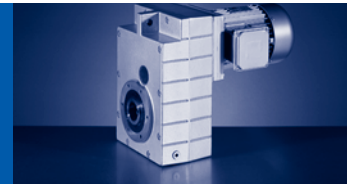
GFL

GFL [Nm] - MD□MA (IE1)

50 Hz: P_N=2.2 kW

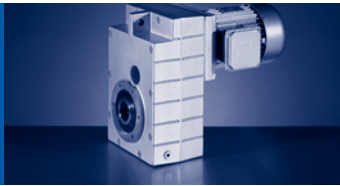
60 Hz: P_N=2.6 kW

n _N	2730 r/min		3330 r/min				M ₂ [Nm]	i		
f _N	50 Hz		60 Hz							
P _N	2.2 kW		2.6 kW							
	n ₂ [r/min]	c	n ₂ [r/min]	c						
	52	2.9	64	2.8			389	52.067	GFL07-2M □□□090C31	406
	47	2.7	57	2.5			438	58.667	GFL07-2M □□□090C31	406
	46	1.3	56	1.2			444	59.481	GFL06-2M □□□090C31	406
	44	3.1	54	2.9			465	62.300	GFL09-2M □□□090C31	406
	43	1.1	52	1.1			478	64.080	GFL06-2M □□□090C31	406
	43	2.5	53	2.3			472	63.190	GFL07-2M □□□090C31	406
	43	3.0	53	2.8			466	63.326	GFL09-3M □□□090C31	414
	42	1.8	51	1.8			480	65.306	GFL07-3M □□□090C31	414
	41	1.0	50	1.0			487	66.213	GFL06-3M □□□090C31	414
	38	0.9	46	0.9			530	72.000	GFL06-3M □□□090C31	414
	38	1.1	46	1.1			539	72.189	GFL06-2M □□□090C31	406
	38	1.6	46	1.6			533	72.452	GFL07-3M □□□090C31	414
	38	2.4	47	2.3			532	71.200	GFL07-2M □□□090C31	406
	37	2.8	46	2.7			538	73.173	GFL09-3M □□□090C31	414
	35	2.6	42	2.5			588	78.750	GFL09-2M □□□090C31	406
	34	0.8	41	0.8			597	81.111	GFL06-3M □□□090C31	414
	34	1.4	42	1.4			596	79.875	GFL07-2M □□□090C31	406
	33	1.6	41	1.6			600	81.636	GFL07-3M □□□090C31	414
	33	2.8	40	2.7			607	82.465	GFL09-3M □□□090C31	414
	31	2.6	38	2.5			663	88.750	GFL09-2M □□□090C31	406
	30	1.4	37	1.3			672	90.000	GFL07-2M □□□090C31	406
	30	1.4	36	1.4			680	92.413	GFL07-3M □□□090C31	414
	29	2.5	36	2.4			686	93.333	GFL09-3M □□□090C31	414
	26	1.4	32	1.4			766	104.127	GFL07-3M □□□090C31	414
	26	2.5	32	2.4			774	105.185	GFL09-3M □□□090C31	414
	24	1.3	29	1.2			833	113.206	GFL07-3M □□□090C31	414
	24	2.2	29	2.1			841	114.333	GFL09-3M □□□090C31	414
	21	1.3	26	1.2			938	127.556	GFL07-3M □□□090C31	414
	21	2.2	26	2.1			948	128.852	GFL09-3M □□□090C31	414
	19	1.1	23	1.0			1084	147.347	GFL07-3M □□□090C31	414
	18	1.9	22	1.8			1094	148.815	GFL09-3M □□□090C31	414
	16	1.0	20	1.0			1221	166.025	GFL07-3M □□□090C31	414
	16	1.9	20	1.8			1233	167.712	GFL09-3M □□□090C31	414
	15	0.9	18	0.9			1348	183.285	GFL07-3M □□□090C31	414
	15	1.6	18	1.6			1361	185.111	GFL09-3M □□□090C31	414
	15	3.2	18	3.0			1344	182.792	GFL11-3M □□□090C31	414
	13	0.8					1519	206.519	GFL07-3M □□□090C31	414
	13	1.6	16	1.6			1534	208.617	GFL09-3M □□□090C31	414
	13	3.2	16	3.0			1515	205.963	GFL11-3M □□□090C31	414
	12	0.8					1652	224.636	GFL07-3M □□□090C31	414
	12	1.5	15	1.4			1653	224.778	GFL09-3M □□□090C31	414



50 Hz: P_N=2.2 kW
60 Hz: P_N=2.6 kW

n _N	2730 r/min		3330 r/min				M ₂ [Nm]	i		
f _N	50 Hz		60 Hz							
P _N	2.2 kW		2.6 kW							
	n ₂ [r/min]	c	n ₂ [r/min]	c						
	12	2.7	15	2.6			1652	224.636	GFL11-3M □□□090C31	414
	11	1.5	13	1.4			1863	253.321	GFL09-3M □□□090C31	414
	11	2.7	13	2.6			1861	253.111	GFL11-3M □□□090C31	414
	10	2.6	13	2.5			1966	267.259	GFL11-3M □□□090C31	414
	9.4	1.2	11	1.2			2139	290.889	GFL09-3M □□□090C31	414
	8.3	1.2	10	1.2			2411	327.827	GFL09-3M □□□090C31	414
	8.3	2.3	10	2.2			2409	327.556	GFL11-3M □□□090C31	414
	7.7	1.1	9.4	1.1			2596	353.033	GFL09-3M □□□090C31	414
	7.6	2.0	9.3	1.9			2633	358.077	GFL11-3M □□□090C31	414
	6.9	1.1	8.4	1.1			2926	397.863	GFL09-3M □□□090C31	414
	6.8	2.0	8.3	1.9			2967	403.467	GFL11-3M □□□090C31	414
	6.4	0.9	7.9	0.8			3120	424.247	GFL09-3M □□□090C31	414
	6.4	1.9	7.7	1.8			3164	430.222	GFL11-3M □□□090C31	414
	5.2	1.6	6.4	1.5			3840	522.133	GFL11-3M □□□090C31	414
	5.2	2.8	6.4	2.7			3840	522.133	GFL14-3M □□□090C31	414
	4.9	1.3	5.9	1.2			4136	562.391	GFL11-3M □□□090C31	414
	4.9	2.2	5.9	2.1			4136	562.391	GFL14-3M □□□090C31	414
	4.3	1.3	5.3	1.2			4660	633.680	GFL11-3M □□□090C31	414
	4.3	2.1	5.3	2.0			4660	633.680	GFL14-3M □□□090C31	414
	3.4	1.0	4.2	1.0			5891	801.000	GFL11-3M □□□090C31	414
	3.4	1.7	4.2	1.6			5891	801.000	GFL14-3M □□□090C31	414



GFL

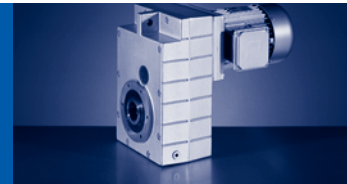
GFL [Nm] - MD□MA (IE1)

50 Hz: $P_N=2.2$ kW

60 Hz: $P_N=2.6$ kW

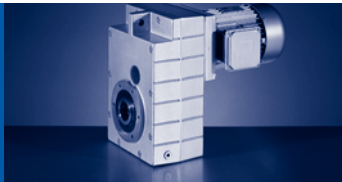
87 Hz: $P_N=3.9$ kW

n _N	1440 r/min		1740 r/min		2550 r/min		M ₂ [Nm]	i		
f _N	50 Hz		60 Hz		87 Hz					
P _N	2.2 kW		2.6 kW		3.9 kW					
	n ₂ [r/min]	c	n ₂ [r/min]	c	n ₂ [r/min]	c				
	432	3.5	522	3.4	765	3.0	47	3.333	GFL05-2M □□□100C12	406
	315	2.6	381	2.5	558	2.2	65	4.571	GFL05-2M □□□100C12	406
	281	3.1	339	2.9	497	2.6	73	5.133	GFL05-2M □□□100C12	406
	254	2.9	307	2.8	450	2.4	80	5.667	GFL05-2M □□□100C12	406
	225	1.9	272	1.8	398	1.6	91	6.400	GFL05-2M □□□100C12	406
	205	2.5	247	2.4	362	2.1	100	7.040	GFL05-2M □□□100C12	406
	185	2.4	224	2.2	328	2.0	110	7.771	GFL05-2M □□□100C12	406
	160	2.1	193	2.0	283	1.7	128	9.010	GFL05-2M □□□100C12	406
	145	2.0	175	1.9	256	1.6	141	9.946	GFL05-2M □□□100C12	406
	143	3.2	172	3.1	253	2.7	143	10.092	GFL06-2M □□□100C12	406
	127	1.7	153	1.7	225	1.5	161	11.360	GFL05-2M □□□100C12	406
	113	1.6	136	1.5	199	1.3	181	12.800	GFL05-2M □□□100C12	406
	111	3.2	134	3.1	197	2.7	184	12.978	GFL06-2M □□□100C12	406
	99	1.5	120	1.4	175	1.2	206	14.538	GFL05-2M □□□100C12	406
	98	3.1	118	2.9	173	2.6	209	14.743	GFL06-2M □□□100C12	406
	91	1.4	109	1.3	160	1.2	225	15.904	GFL05-2M □□□100C12	406
	89	2.8	108	2.7	158	2.4	228	16.128	GFL06-2M □□□100C12	406
	80	1.2	97	1.2	142	1.0	254	17.920	GFL05-2M □□□100C12	406
	79	2.3	96	2.2	140	2.0	257	18.169	GFL06-2M □□□100C12	406
	71	1.2	86	1.1	126	1.0	287	20.286	GFL05-2M □□□100C12	406
	70	2.2	85	2.1	124	1.9	291	20.571	GFL06-2M □□□100C12	406
	63	1.0	76	0.9	112	0.8	324	22.857	GFL05-2M □□□100C12	406
	62	1.8	75	1.8	110	1.5	328	23.175	GFL06-2M □□□100C12	406
	58	1.0	70	1.0	103	0.9	352	24.850	GFL05-2M □□□100C12	406
	57	1.8	69	1.8	101	1.7	357	25.200	GFL06-2M □□□100C12	406
	51	1.5	61	1.5	90	1.4	402	28.389	GFL06-2M □□□100C12	406
	51	3.1	62	3.1	91	3.0	396	28.000	GFL07-2M □□□100C12	406
	45	3.0	54	3.0	79	2.9	458	32.344	GFL07-2M □□□100C12	406
	44	1.4	53	1.4	78	1.3	464	32.800	GFL06-2M □□□100C12	406
	40	2.4	48	2.4	70	2.3	516	36.444	GFL07-2M □□□100C12	406
	39	1.2	47	1.2	69	1.1	523	36.951	GFL06-2M □□□100C12	406
	36	2.5	44	2.5	64	2.3	561	39.642	GFL07-2M □□□100C12	406
	35	1.1	43	1.1	63	1.1	578	40.800	GFL06-2M □□□100C12	406
	32	2.0	39	2.0	57	1.9	632	44.667	GFL07-2M □□□100C12	406
	31	0.9	38	0.9	56	0.9	651	45.963	GFL06-2M □□□100C12	406
	28	1.8	33	1.8	49	1.7	737	52.067	GFL07-2M □□□100C12	406
	28	2.8	34	2.8	50	2.6	727	51.333	GFL09-2M □□□100C12	406
	25	1.5	30	1.5	44	1.5	830	58.667	GFL07-2M □□□100C12	406
	25	2.8	30	2.8	44	2.6	819	57.852	GFL09-2M □□□100C12	406
	23	1.4	28	1.4	40	1.3	894	63.190	GFL07-2M □□□100C12	406
	23	1.7	28	1.7	40	1.6	883	63.326	GFL09-3M □□□100C12	414



50 Hz: P_N=2.2 kW
60 Hz: P_N=2.6 kW
87 Hz: P_N=3.9 kW

n _N	1440 r/min		1740 r/min		2550 r/min		M ₂ [Nm]	i		
f _N	50 Hz		60 Hz		87 Hz					
P _N	2.2 kW		2.6 kW		3.9 kW					
	n ₂ [r/min]	c	n ₂ [r/min]	c	n ₂ [r/min]	c				
	23	2.3	28	2.3	41	2.2	882	62.300	GFL09-2M □□□100C12	406
	23	2.9	28	2.9	40	2.7	894	63.190	GFL11-2M □□□100C12	406
	22	1.0	27	1.0	39	1.0	911	65.306	GFL07-3M □□□100C12	414
	22	3.2	27	3.2	39	3.2	911	65.306	GFL11-3M □□□100C12	414
	21	2.3	25	2.3	36	2.3	994	70.211	GFL09-2M □□□100C12	406
	20	0.9	24	0.9	35	0.9	1010	72.452	GFL07-3M □□□100C12	414
	20	1.3	24	1.3	36	1.3	1008	71.200	GFL07-2M □□□100C12	406
	20	1.5	24	1.5	35	1.5	1020	73.173	GFL09-3M □□□100C12	414
	20	2.8	24	2.8	35	2.8	1023	73.335	GFL11-3M □□□100C12	414
	20	2.9	24	2.9	36	2.9	1008	71.200	GFL11-2M □□□100C12	406
	18	0.9	21	0.9	31	0.9	1138	81.636	GFL07-3M □□□100C12	414
	18	1.5	22	1.5	32	1.5	1115	78.750	GFL09-2M □□□100C12	406
	18	1.5	21	1.5	31	1.5	1150	82.465	GFL09-3M □□□100C12	414
	18	2.3	22	2.3	32	2.3	1131	79.875	GFL11-2M □□□100C12	406
	17	2.8	21	2.8	31	2.8	1152	82.631	GFL11-3M □□□100C12	414
	16	1.4	20	1.4	29	1.4	1256	88.750	GFL09-2M □□□100C12	406
	16	2.3	19	2.3	28	2.3	1274	90.000	GFL11-2M □□□100C12	406
	15	1.3	19	1.3	27	1.3	1301	93.333	GFL09-3M □□□100C12	414
	15	2.5	19	2.5	27	2.5	1304	93.540	GFL11-3M □□□100C12	414
	14	1.3	17	1.3	24	1.3	1467	105.185	GFL09-3M □□□100C12	414
	14	2.5	17	2.5	24	2.5	1470	105.397	GFL11-3M □□□100C12	414
	13	1.2	15	1.2	22	1.2	1594	114.333	GFL09-3M □□□100C12	414
	13	2.2	15	2.2	22	2.2	1598	114.586	GFL11-3M □□□100C12	414
	11	1.2	14	1.2	20	1.2	1797	128.852	GFL09-3M □□□100C12	414
	11	2.2	14	2.2	20	2.2	1800	129.111	GFL11-3M □□□100C12	414
	9.7	1.0	12	1.0	17	1.0	2075	148.815	GFL09-3M □□□100C12	414
	9.7	1.9	12	1.9	17	1.9	2079	149.144	GFL11-3M □□□100C12	414
	8.6	1.0	10	1.0	15	1.0	2338	167.712	GFL09-3M □□□100C12	414
	8.6	1.9	10	1.9	15	1.9	2343	168.049	GFL11-3M □□□100C12	414
	7.9	1.7	9.5	1.7	14	1.7	2549	182.792	GFL11-3M □□□100C12	414
	7.8	0.9	9.4	0.9	14	0.9	2581	185.111	GFL09-3M □□□100C12	414
	7.1	2.8	8.6	2.8	13	2.8	2817	202.074	GFL14-3M □□□100C12	414
	7	1.7	8.5	1.7	12	1.7	2872	205.963	GFL11-3M □□□100C12	414
	6.9	0.9	8.3	0.9	12	0.9	2909	208.617	GFL09-3M □□□100C12	414
	6.4	1.4	7.8	1.4	11	1.4	3132	224.636	GFL11-3M □□□100C12	414
	6.4	2.8	7.8	2.8	11	2.8	3132	224.636	GFL14-3M □□□100C12	414
	5.7	1.4	6.9	1.4	10	1.4	3529	253.111	GFL11-3M □□□100C12	414
	5.7	2.8	6.9	2.8	10	2.8	3529	253.111	GFL14-3M □□□100C12	414
	5.4	1.4	6.5	1.4	9.5	1.4	3726	267.259	GFL11-3M □□□100C12	414
	5.3	2.6	6.4	2.6	9.3	2.6	3817	273.778	GFL14-3M □□□100C12	414
	4.4	1.2	5.3	1.2	7.8	1.2	4567	327.556	GFL11-3M □□□100C12	414



GFL

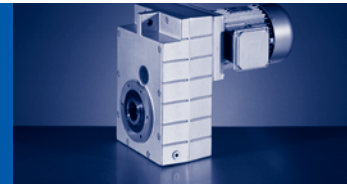
GFL [Nm] - MD□MA (IE1)

50 Hz: $P_N=2.2$ kW

60 Hz: $P_N=2.6$ kW

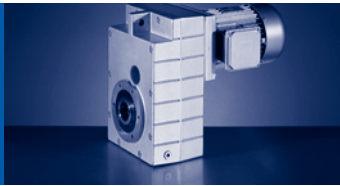
87 Hz: $P_N=3.9$ kW

n _N	1440 r/min		1740 r/min		2550 r/min		M ₂ [Nm]	i		
f _N	50 Hz		60 Hz		87 Hz					
P _N	2.2 kW		2.6 kW		3.9 kW					
	n ₂ [r/min]	c	n ₂ [r/min]	c	n ₂ [r/min]	c				
	4.3	2.3	5.2	2.3	7.7	2.3	4635	332.444	GFL14-3M □□□100C12	414
	4.1	2.1	4.9	2.1	7.2	2.1	4919	352.811	GFL14-3M □□□100C12	414
	4	1.1	4.9	1.1	7.1	1.1	4993	358.077	GFL11-3M □□□100C12	414
	3.6	1.1	4.3	1.1	6.3	1.1	5625	403.467	GFL11-3M □□□100C12	414
	3.6	2.1	4.4	2.1	6.4	2.1	5543	397.533	GFL14-3M □□□100C12	414
	3.4	1.0	4	1.0	5.9	1.0	5998	430.222	GFL11-3M □□□100C12	414
	3.4	1.8	4	1.8	5.9	1.8	5998	430.222	GFL14-3M □□□100C12	414
	2.8	0.8	3.3	0.8	4.9	0.8	7280	522.133	GFL11-3M □□□100C12	414
	2.8	1.5	3.3	1.5	4.9	1.5	7280	522.133	GFL14-3M □□□100C12	414
	2.6	1.2	3.1	1.2	4.5	1.2	7841	562.391	GFL14-3M □□□100C12	414
	2.3	1.1	2.8	1.1	4	1.1	8835	633.680	GFL14-3M □□□100C12	414
	1.8	0.9	2.2	0.9	3.2	0.9	11168	801.000	GFL14-3M □□□100C12	414



50 Hz: P_N=3.0 kW
60 Hz: P_N=3.6 kW

n _N	2890 r/min		3490 r/min				M ₂ [Nm]	i		
f _N	50 Hz		60 Hz							
P _N	3.0 kW		3.6 kW							
	n ₂ [r/min]	c	n ₂ [r/min]	c						
	867	4.2	1047	3.9			32	3.333	GFL05-2M □□□100C31	406
	632	3.1	763	2.9			44	4.571	GFL05-2M □□□100C31	406
	563	3.6	680	3.4			49	5.133	GFL05-2M □□□100C31	406
	510	3.4	616	3.2			55	5.667	GFL05-2M □□□100C31	406
	452	2.3	545	2.1			62	6.400	GFL05-2M □□□100C31	406
	411	2.9	496	2.8			68	7.040	GFL05-2M □□□100C31	406
	372	2.8	449	2.6			75	7.771	GFL05-2M □□□100C31	406
	321	2.5	387	2.3			87	9.010	GFL05-2M □□□100C31	406
	291	2.3	351	2.2			96	9.946	GFL05-2M □□□100C31	406
	254	2.1	307	1.9			109	11.360	GFL05-2M □□□100C31	406
	226	1.9	273	1.8			123	12.800	GFL05-2M □□□100C31	406
	199	1.7	240	1.6			140	14.538	GFL05-2M □□□100C31	406
	182	1.6	219	1.5			153	15.904	GFL05-2M □□□100C31	406
	161	1.5	195	1.4			172	17.920	GFL05-2M □□□100C31	406
	159	2.8	192	2.6			175	18.169	GFL06-2M □□□100C31	406
	143	1.4	172	1.3			195	20.286	GFL05-2M □□□100C31	406
	141	2.6	170	2.5			198	20.571	GFL06-2M □□□100C31	406
	126	1.1	153	1.1			220	22.857	GFL05-2M □□□100C31	406
	125	2.2	151	2.0			223	23.175	GFL06-2M □□□100C31	406
	116	1.3	140	1.2			239	24.850	GFL05-2M □□□100C31	406
	115	2.5	139	2.3			242	25.200	GFL06-2M □□□100C31	406
	103	1.1	125	1.0			269	28.000	GFL05-2M □□□100C31	406
	102	2.0	123	1.9			273	28.389	GFL06-2M □□□100C31	406
	88	1.9	106	1.7			316	32.800	GFL06-2M □□□100C31	406
	79	3.3	96	3.1			351	36.444	GFL07-2M □□□100C31	406
	78	1.6	95	1.5			355	36.951	GFL06-2M □□□100C31	406
	71	1.5	86	1.4			392	40.800	GFL06-2M □□□100C31	406
	65	2.7	78	2.5			430	44.667	GFL07-2M □□□100C31	406
	63	1.3	76	1.2			442	45.963	GFL06-2M □□□100C31	406
	56	2.5	67	2.3			501	52.067	GFL07-2M □□□100C31	406
	49	2.1	60	1.9			564	58.667	GFL07-2M □□□100C31	406
	46	1.9	55	1.8			608	63.190	GFL07-2M □□□100C31	406
	46	2.3	55	2.2			600	63.326	GFL09-3M □□□100C31	414
	46	3.1	56	2.9			599	62.300	GFL09-2M □□□100C31	406
	44	1.4	53	1.4			619	65.306	GFL07-3M □□□100C31	414
	41	1.9	49	1.8			685	71.200	GFL07-2M □□□100C31	406
	40	1.3	48	1.2			686	72.452	GFL07-3M □□□100C31	414
	40	2.2	48	2.1			693	73.173	GFL09-3M □□□100C31	414
	37	2.2	44	2.1			757	78.750	GFL09-2M □□□100C31	406
	35	1.3	43	1.2			773	81.636	GFL07-3M □□□100C31	414
	35	2.2	42	2.1			781	82.465	GFL09-3M □□□100C31	414



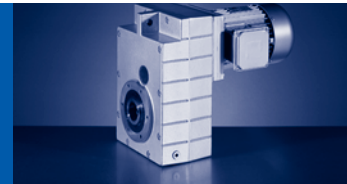
GFL

GFL [Nm] - MD□MA (IE1)

50 Hz: $P_N=3.0$ kW

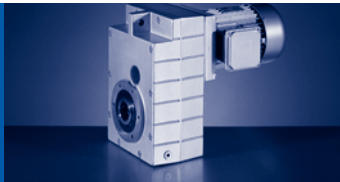
60 Hz: $P_N=3.6$ kW

n _N	2890 r/min		3490 r/min				M ₂ [Nm]	i		
f _N	50 Hz		60 Hz							
P _N	3.0 kW		3.6 kW							
	n ₂ [r/min]	c	n ₂ [r/min]	c						
	33	2.1	39	2.0			854	88.750	GFL09-2M □□□100C31	406
	31	1.1	38	1.0			876	92.413	GFL07-3M □□□100C31	414
	31	1.9	37	1.8			884	93.333	GFL09-3M □□□100C31	414
	28	1.1	34	1.0			986	104.127	GFL07-3M □□□100C31	414
	28	1.9	33	1.8			997	105.185	GFL09-3M □□□100C31	414
	26	1.0	31	0.9			1072	113.206	GFL07-3M □□□100C31	414
	25	1.7	31	1.6			1083	114.333	GFL09-3M □□□100C31	414
	25	3.2	31	3.1			1086	114.586	GFL11-3M □□□100C31	414
	23	1.0	27	0.9			1208	127.556	GFL07-3M □□□100C31	414
	22	1.7	27	1.6			1221	128.852	GFL09-3M □□□100C31	414
	22	3.2	27	3.1			1223	129.111	GFL11-3M □□□100C31	414
	19	1.5	24	1.4			1410	148.815	GFL09-3M □□□100C31	414
	19	2.8	23	2.6			1413	149.144	GFL11-3M □□□100C31	414
	17	1.5	21	1.4			1589	167.712	GFL09-3M □□□100C31	414
	17	2.8	21	2.6			1592	168.049	GFL11-3M □□□100C31	414
	16	1.3	19	1.2			1754	185.111	GFL09-3M □□□100C31	414
	16	2.4	19	2.3			1732	182.792	GFL11-3M □□□100C31	414
	14	1.3	17	1.2			1976	208.617	GFL09-3M □□□100C31	414
	14	2.4	17	2.3			1951	205.963	GFL11-3M □□□100C31	414
	13	1.1	16	1.1			2129	224.778	GFL09-3M □□□100C31	414
	13	2.1	16	2.0			2128	224.636	GFL11-3M □□□100C31	414
	11	1.1	14	1.1			2400	253.321	GFL09-3M □□□100C31	414
	11	2.0	13	1.9			2532	267.259	GFL11-3M □□□100C31	414
	11	2.1	14	2.0			2398	253.111	GFL11-3M □□□100C31	414
	8.8	1.8	11	1.7			3103	327.556	GFL11-3M □□□100C31	414
	8.2	3.1	9.9	3.0			3342	352.811	GFL14-3M □□□100C31	414
	8.1	1.6	9.8	1.5			3392	358.077	GFL11-3M □□□100C31	414
	7.3	3.1	8.8	2.9			3766	397.533	GFL14-3M □□□100C31	414
	7.2	1.6	8.7	1.5			3822	403.467	GFL11-3M □□□100C31	414
	6.7	1.5	8.1	1.4			4076	430.222	GFL11-3M □□□100C31	414
	6.7	2.6	8.1	2.5			4076	430.222	GFL14-3M □□□100C31	414
	5.5	1.2	6.7	1.1			4946	522.133	GFL11-3M □□□100C31	414
	5.5	2.1	6.7	2.0			4946	522.133	GFL14-3M □□□100C31	414
	5.1	1.0	6.2	1.0			5328	562.391	GFL11-3M □□□100C31	414
	5.1	1.7	6.2	1.6			5328	562.391	GFL14-3M □□□100C31	414
	4.6	1.0	5.5	0.9			6003	633.680	GFL11-3M □□□100C31	414
	4.6	1.6	5.5	1.6			6003	633.680	GFL14-3M □□□100C31	414
	3.6	1.3	4.4	1.2			7588	801.000	GFL14-3M □□□100C31	414



50 Hz: P_N=3.0 kW
60 Hz: P_N=3.6 kW
87 Hz: P_N=5.4 kW

n _N	1430 r/min		1730 r/min		2540 r/min		M ₂ [Nm]	i		
f _N	50 Hz		60 Hz		87 Hz					
P _N	3.0 kW		3.6 kW		5.4 kW					
	n ₂ [r/min]	c	n ₂ [r/min]	c	n ₂ [r/min]	c				
	429	2.6	519	2.4	762	2.2	65	3.333	GFL05-2M □□□100C32	406
	313	1.9	378	1.8	556	1.6	89	4.571	GFL05-2M □□□100C32	406
	279	2.2	337	2.1	495	1.9	100	5.133	GFL05-2M □□□100C32	406
	252	2.1	305	2.0	448	1.8	110	5.667	GFL05-2M □□□100C32	406
	223	1.4	270	1.3	397	1.2	124	6.400	GFL05-2M □□□100C32	406
	222	2.8	268	2.7	394	2.4	125	6.450	GFL06-2M □□□100C32	406
	203	1.8	246	1.7	361	1.5	137	7.040	GFL05-2M □□□100C32	406
	200	3.1	242	3.0	355	2.6	139	7.147	GFL06-2M □□□100C32	406
	184	1.7	223	1.6	327	1.4	151	7.771	GFL05-2M □□□100C32	406
	159	1.5	192	1.5	282	1.3	175	9.010	GFL05-2M □□□100C32	406
	151	3.2	183	3.0	268	2.7	184	9.463	GFL06-2M □□□100C32	406
	144	1.4	174	1.4	255	1.2	193	9.946	GFL05-2M □□□100C32	406
	142	2.3	171	2.2	252	2.0	196	10.092	GFL06-2M □□□100C32	406
	126	1.3	152	1.2	224	1.1	221	11.360	GFL05-2M □□□100C32	406
	124	2.8	150	2.7	221	2.4	224	11.520	GFL06-2M □□□100C32	406
	112	1.1	135	1.1	198	1.0	249	12.800	GFL05-2M □□□100C32	406
	110	2.4	133	2.2	196	2.0	252	12.978	GFL06-2M □□□100C32	406
	98	1.1	119	1.0	175	0.9	283	14.538	GFL05-2M □□□100C32	406
	97	2.2	117	2.1	172	1.9	287	14.743	GFL06-2M □□□100C32	406
	90	1.0	109	1.0	160	0.8	309	15.904	GFL05-2M □□□100C32	406
	89	2.1	107	2.0	158	1.7	314	16.128	GFL06-2M □□□100C32	406
	80	0.9	97	0.9			348	17.920	GFL05-2M □□□100C32	406
	79	1.7	95	1.6	140	1.4	353	18.169	GFL06-2M □□□100C32	406
	71	0.8	85	0.8			394	20.286	GFL05-2M □□□100C32	406
	71	3.2	85	3.1	125	2.7	394	20.286	GFL07-2M □□□100C32	406
	70	1.6	84	1.5	124	1.4	400	20.571	GFL06-2M □□□100C32	406
	63	2.8	76	2.7	111	2.3	444	22.857	GFL07-2M □□□100C32	406
	62	1.3	75	1.3	110	1.1	450	23.175	GFL06-2M □□□100C32	406
	58	2.8	70	2.8	102	2.6	483	24.850	GFL07-2M □□□100C32	406
	57	1.3	69	1.3	101	1.3	490	25.200	GFL06-2M □□□100C32	406
	51	2.3	62	2.3	91	2.2	544	28.000	GFL07-2M □□□100C32	406
	50	1.1	61	1.1	90	1.1	552	28.389	GFL06-2M □□□100C32	406
	44	1.0	53	1.0	77	1.0	638	32.800	GFL06-2M □□□100C32	406
	44	2.2	54	2.2	79	2.1	629	32.344	GFL07-2M □□□100C32	406
	44	3.0	53	3.0	78	2.8	635	32.667	GFL09-2M □□□100C32	406
	39	0.9	47	0.9	69	0.8	718	36.951	GFL06-2M □□□100C32	406
	39	1.8	48	1.8	70	1.7	708	36.444	GFL07-2M □□□100C32	406
	39	3.0	47	3.0	69	2.8	716	36.815	GFL09-2M □□□100C32	406
	36	1.8	44	1.8	64	1.7	771	39.642	GFL07-2M □□□100C32	406
	36	2.5	44	2.5	64	2.4	771	39.667	GFL09-2M □□□100C32	406
	35	0.8	42	0.8			793	40.800	GFL06-2M □□□100C32	406



GFL

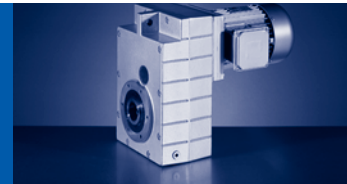
GFL [Nm] - MD□MA (IE1)

50 Hz: P_N=3.0 kW

60 Hz: P_N=3.6 kW

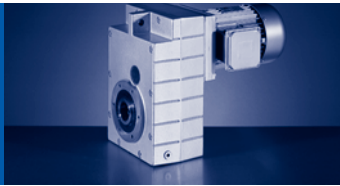
87 Hz: P_N=5.4 kW

n _N	1430 r/min		1730 r/min		2540 r/min		M ₂ [Nm]	i		
f _N	50 Hz		60 Hz		87 Hz					
P _N	3.0 kW		3.6 kW		5.4 kW					
	n ₂ [r/min]	c	n ₂ [r/min]	c	n ₂ [r/min]	c				
	32	1.5	39	1.5	57	1.4	868	44.667	GFL07-2M □□□100C32	406
	32	2.5	39	2.5	57	2.4	869	44.704	GFL09-2M □□□100C32	406
	28	1.3	33	1.3	49	1.3	1012	52.067	GFL07-2M □□□100C32	406
	28	2.0	34	2.0	50	1.9	998	51.333	GFL09-2M □□□100C32	406
	28	2.5	33	2.5	49	2.4	1012	52.067	GFL11-2M □□□100C32	406
	25	2.0	30	2.0	44	1.9	1125	57.852	GFL09-2M □□□100C32	406
	24	1.1	30	1.1	43	1.1	1140	58.667	GFL07-2M □□□100C32	406
	24	2.5	30	2.5	43	2.4	1140	58.667	GFL11-2M □□□100C32	406
	23	1.0	27	1.0	40	1.0	1228	63.190	GFL07-2M □□□100C32	406
	23	1.3	27	1.3	40	1.2	1212	63.326	GFL09-3M □□□100C32	414
	23	1.7	28	1.7	41	1.6	1211	62.300	GFL09-2M □□□100C32	406
	23	2.1	27	2.1	40	2.0	1228	63.190	GFL11-2M □□□100C32	406
	22	2.3	27	2.3	39	2.3	1250	65.306	GFL11-3M □□□100C32	414
	20	0.9	24	0.9	36	0.9	1384	71.200	GFL07-2M □□□100C32	406
	20	1.1	24	1.1	35	1.1	1401	73.173	GFL09-3M □□□100C32	414
	20	1.7	25	1.7	36	1.7	1365	70.211	GFL09-2M □□□100C32	406
	20	2.1	24	2.1	36	2.1	1384	71.200	GFL11-2M □□□100C32	406
	20	2.1	24	2.1	35	2.1	1404	73.335	GFL11-3M □□□100C32	414
	18	1.1	22	1.1	32	1.1	1531	78.750	GFL09-2M □□□100C32	406
	18	1.7	22	1.7	32	1.7	1553	79.875	GFL11-2M □□□100C32	406
	17	1.1	21	1.1	31	1.1	1579	82.465	GFL09-3M □□□100C32	414
	17	2.1	21	2.1	31	2.1	1582	82.631	GFL11-3M □□□100C32	414
	16	1.0	20	1.0	29	1.0	1725	88.750	GFL09-2M □□□100C32	406
	16	1.7	19	1.7	28	1.7	1749	90.000	GFL11-2M □□□100C32	406
	15	1.0	19	1.0	27	1.0	1787	93.333	GFL09-3M □□□100C32	414
	15	1.8	19	1.8	27	1.8	1791	93.540	GFL11-3M □□□100C32	414
	14	1.0	16	1.0	24	1.0	2014	105.185	GFL09-3M □□□100C32	414
	14	1.8	16	1.8	24	1.8	2018	105.397	GFL11-3M □□□100C32	414
	14	3.0	17	3.0	24	3.0	2008	104.889	GFL14-3M □□□100C32	414
	13	0.8	15	0.8	22	0.8	2189	114.333	GFL09-3M □□□100C32	414
	13	1.6	15	1.6	22	1.6	2194	114.586	GFL11-3M □□□100C32	414
	13	3.0	15	3.0	22	3.0	2185	114.126	GFL14-3M □□□100C32	414
	11	0.8	13	0.8	20	0.8	2467	128.852	GFL09-3M □□□100C32	414
	11	1.6	13	1.6	20	1.6	2472	129.111	GFL11-3M □□□100C32	414
	11	3.0	14	3.0	20	3.0	2462	128.593	GFL14-3M □□□100C32	414
	9.6	1.4	12	1.4	17	1.4	2855	149.144	GFL11-3M □□□100C32	414
	9.2	2.5	11	2.5	16	2.5	2990	156.148	GFL14-3M □□□100C32	414
	8.5	1.4	10	1.4	15	1.4	3217	168.049	GFL11-3M □□□100C32	414
	8.4	2.6	10	2.6	15	2.6	3256	170.074	GFL14-3M □□□100C32	414
	7.8	1.2	9.5	1.2	14	1.2	3500	182.792	GFL11-3M □□□100C32	414
	7.1	2.0	8.6	2.0	13	2.0	3869	202.074	GFL14-3M □□□100C32	414



50 Hz: $P_N=3.0$ kW
60 Hz: $P_N=3.6$ kW
87 Hz: $P_N=5.4$ kW

n _N	1430 r/min		1730 r/min		2540 r/min		M ₂ [Nm]	i		
f _N	50 Hz		60 Hz		87 Hz					
P _N	3.0 kW		3.6 kW		5.4 kW					
	n ₂ [r/min]	c	n ₂ [r/min]	c	n ₂ [r/min]	c				
	6.9	1.2	8.4	1.2	12	1.2	3943	205.963	GFL11-3M □□□100C32	414
	6.4	1.1	7.7	1.1	11	1.1	4301	224.636	GFL11-3M □□□100C32	414
	6.4	2.0	7.7	2.0	11	2.0	4301	224.636	GFL14-3M □□□100C32	414
	5.7	1.1	6.8	1.1	10	1.1	4846	253.111	GFL11-3M □□□100C32	414
	5.7	2.0	6.8	2.0	10	2.0	4846	253.111	GFL14-3M □□□100C32	414
	5.4	1.0	6.5	1.0	9.5	1.0	5117	267.259	GFL11-3M □□□100C32	414
	5.2	1.9	6.3	1.9	9.3	1.9	5242	273.778	GFL14-3M □□□100C32	414
	4.4	0.9	5.3	0.9	7.8	0.9	6271	327.556	GFL11-3M □□□100C32	414
	4.3	1.7	5.2	1.7	7.6	1.7	6365	332.444	GFL14-3M □□□100C32	414
	4.1	1.5	4.9	1.5	7.2	1.5	6755	352.811	GFL14-3M □□□100C32	414
	3.6	1.5	4.4	1.5	6.4	1.5	7611	397.533	GFL14-3M □□□100C32	414
	3.3	1.3	4	1.3	5.9	1.3	8237	430.222	GFL14-3M □□□100C32	414
	2.7	1.1	3.3	1.1	4.9	1.1	9997	522.133	GFL14-3M □□□100C32	414
	2.5	0.8	3.1	0.8	4.5	0.8	10767	562.391	GFL14-3M □□□100C32	414
	2.3	0.8	2.7	0.8	4	0.8	12132	633.680	GFL14-3M □□□100C32	414



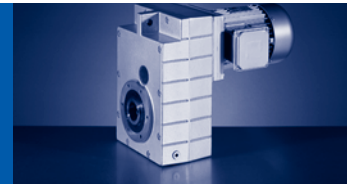
GFL

GFL [Nm] - MD□MA (IE1)

50 Hz: P_N=4.0 kW

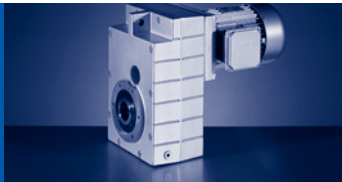
60 Hz: P_N=4.8 kW

n _N	2840 r/min		3440 r/min				M ₂ [Nm]	i		
f _N	50 Hz		60 Hz							
P _N	4.0 kW		4.8 kW							
	n ₂ [r/min]	c	n ₂ [r/min]	c						
	852	3.1	1032	2.9			44	3.333	GFL05-2M □□□100C41	406
	621	2.3	753	2.2			60	4.571	GFL05-2M □□□100C41	406
	553	2.7	670	2.5			67	5.133	GFL05-2M □□□100C41	406
	501	2.5	607	2.4			74	5.667	GFL05-2M □□□100C41	406
	444	1.7	538	1.6			84	6.400	GFL05-2M □□□100C41	406
	403	2.2	489	2.1			92	7.040	GFL05-2M □□□100C41	406
	365	2.1	443	1.9			101	7.771	GFL05-2M □□□100C41	406
	315	1.8	382	1.7			118	9.010	GFL05-2M □□□100C41	406
	286	1.7	346	1.6			130	9.946	GFL05-2M □□□100C41	406
	281	2.8	341	2.6			132	10.092	GFL06-2M □□□100C41	406
	250	1.5	303	1.4			148	11.360	GFL05-2M □□□100C41	406
	222	1.4	269	1.3			167	12.800	GFL05-2M □□□100C41	406
	219	2.8	265	2.7			169	12.978	GFL06-2M □□□100C41	406
	195	1.3	237	1.2			190	14.538	GFL05-2M □□□100C41	406
	193	2.7	233	2.5			192	14.743	GFL06-2M □□□100C41	406
	179	1.2	216	1.1			208	15.904	GFL05-2M □□□100C41	406
	176	2.5	213	2.3			211	16.128	GFL06-2M □□□100C41	406
	159	1.1	192	1.0			234	17.920	GFL05-2M □□□100C41	406
	156	2.0	189	1.9			237	18.169	GFL06-2M □□□100C41	406
	140	1.0	170	1.0			265	20.286	GFL05-2M □□□100C41	406
	138	1.9	167	1.8			268	20.571	GFL06-2M □□□100C41	406
	124	0.9					298	22.857	GFL05-2M □□□100C41	406
	123	1.6	148	1.5			302	23.175	GFL06-2M □□□100C41	406
	114	1.0	138	0.9			324	24.850	GFL05-2M □□□100C41	406
	113	1.8	137	1.7			329	25.200	GFL06-2M □□□100C41	406
	101	3.1	123	2.9			365	28.000	GFL07-2M □□□100C41	406
	100	1.5	121	1.4			371	28.389	GFL06-2M □□□100C41	406
	88	3.0	106	2.8			422	32.344	GFL07-2M □□□100C41	406
	87	1.4	105	1.3			428	32.800	GFL06-2M □□□100C41	406
	78	2.4	94	2.3			476	36.444	GFL07-2M □□□100C41	406
	77	1.2	93	1.1			482	36.951	GFL06-2M □□□100C41	406
	72	2.5	87	2.3			517	39.642	GFL07-2M □□□100C41	406
	70	1.1	84	1.1			532	40.800	GFL06-2M □□□100C41	406
	64	2.0	77	1.9			583	44.667	GFL07-2M □□□100C41	406
	62	0.9	75	0.9			600	45.963	GFL06-2M □□□100C41	406
	55	1.8	66	1.7			679	52.067	GFL07-2M □□□100C41	406
	55	2.8	67	2.6			670	51.333	GFL09-2M □□□100C41	406
	49	2.8	60	2.6			755	57.852	GFL09-2M □□□100C41	406
	48	1.5	59	1.4			766	58.667	GFL07-2M □□□100C41	406
	46	2.3	55	2.2			813	62.300	GFL09-2M □□□100C41	406
	45	1.4	54	1.3			825	63.190	GFL07-2M □□□100C41	406



50 Hz: P_N=4.0 kW
60 Hz: P_N=4.8 kW

n _N	2840 r/min		3440 r/min				M ₂ [Nm]	i		
f _N	50 Hz		60 Hz							
P _N	4.0 kW		4.8 kW							
	n ₂ [r/min]	c	n ₂ [r/min]	c						
	45	1.7	54	1.6			814	63.326	GFL09-3M □□□100C41	414
	45	2.9	54	2.7			825	63.190	GFL11-2M □□□100C41	406
	44	1.1	53	1.0			839	65.306	GFL07-3M □□□100C41	414
	40	1.4	48	1.3			929	71.200	GFL07-2M □□□100C41	406
	40	2.5	49	2.4			916	70.211	GFL09-2M □□□100C41	406
	40	3.1	48	3.0			929	71.200	GFL11-2M □□□100C41	406
	39	0.9	48	0.9			931	72.452	GFL07-3M □□□100C41	414
	39	1.6	47	1.5			941	73.173	GFL09-3M □□□100C41	414
	39	3.1	47	2.9			943	73.335	GFL11-3M □□□100C41	414
	36	1.6	44	1.5			1028	78.750	GFL09-2M □□□100C41	406
	36	2.5	43	2.4			1042	79.875	GFL11-2M □□□100C41	406
	35	0.9	42	0.9			1049	81.636	GFL07-3M □□□100C41	414
	34	1.6	42	1.5			1060	82.465	GFL09-3M □□□100C41	414
	34	3.1	42	2.9			1062	82.631	GFL11-3M □□□100C41	414
	32	1.5	39	1.5			1158	88.750	GFL09-2M □□□100C41	406
	32	2.5	38	2.4			1174	90.000	GFL11-2M □□□100C41	406
	31	0.8					1188	92.413	GFL07-3M □□□100C41	414
	30	1.4	37	1.4			1200	93.333	GFL09-3M □□□100C41	414
	30	2.7	37	2.6			1202	93.540	GFL11-3M □□□100C41	414
	27	0.8					1338	104.127	GFL07-3M □□□100C41	414
	27	1.4	33	1.4			1352	105.185	GFL09-3M □□□100C41	414
	27	2.7	33	2.6			1355	105.397	GFL11-3M □□□100C41	414
	25	1.3	30	1.2			1470	114.333	GFL09-3M □□□100C41	414
	25	2.4	30	2.3			1473	114.586	GFL11-3M □□□100C41	414
	22	1.3	27	1.2			1656	128.852	GFL09-3M □□□100C41	414
	22	2.4	27	2.3			1660	129.111	GFL11-3M □□□100C41	414
	19	1.1	23	1.0			1913	148.815	GFL09-3M □□□100C41	414
	19	2.0	23	1.9			1917	149.144	GFL11-3M □□□100C41	414
	17	1.1	21	1.0			2156	167.712	GFL09-3M □□□100C41	414
	17	2.0	21	1.9			2160	168.049	GFL11-3M □□□100C41	414
	16	1.8	19	1.7			2350	182.792	GFL11-3M □□□100C41	414
	15	0.9	19	0.9			2379	185.111	GFL09-3M □□□100C41	414
	14	0.9	17	0.9			2682	208.617	GFL09-3M □□□100C41	414
	14	1.8	17	1.7			2647	205.963	GFL11-3M □□□100C41	414
	14	3.0	17	2.9			2597	202.074	GFL14-3M □□□100C41	414
	13	0.8					2889	224.778	GFL09-3M □□□100C41	414
	13	1.6	15	1.5			2887	224.636	GFL11-3M □□□100C41	414
	13	3.0	15	2.9			2887	224.636	GFL14-3M □□□100C41	414
	11	0.8					3256	253.321	GFL09-3M □□□100C41	414
	11	1.5	13	1.4			3435	267.259	GFL11-3M □□□100C41	414
	11	1.6	14	1.5			3253	253.111	GFL11-3M □□□100C41	414



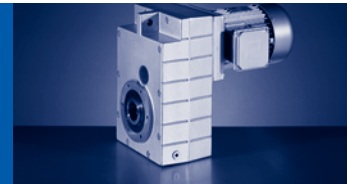
GFL

GFL [Nm] - MD□MA (IE1)

50 Hz: $P_N=4.0$ kW

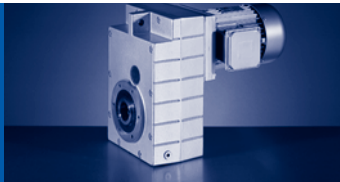
60 Hz: $P_N=4.8$ kW

n _N	2840 r/min		3440 r/min				M ₂ [Nm]	i		
f _N	50 Hz		60 Hz							
P _N	4.0 kW		4.8 kW							
	n ₂ [r/min]	c	n ₂ [r/min]	c						
	11	3.0	14	2.9			3253	253.111	GFL14-3M □□□100C41	414
	10	2.8	13	2.7			3519	273.778	GFL14-3M □□□100C41	414
	8.7	1.3	11	1.3			4210	327.556	GFL11-3M □□□100C41	414
	8.5	2.5	10	2.4			4273	332.444	GFL14-3M □□□100C41	414
	8.1	2.3	9.8	2.2			4535	352.811	GFL14-3M □□□100C41	414
	7.9	1.2	9.6	1.1			4603	358.077	GFL11-3M □□□100C41	414
	7.1	2.3	8.7	2.2			5110	397.533	GFL14-3M □□□100C41	414
	7	1.2	8.5	1.1			5186	403.467	GFL11-3M □□□100C41	414
	6.6	1.1	8	1.0			5530	430.222	GFL11-3M □□□100C41	414
	6.6	1.9	8	1.8			5530	430.222	GFL14-3M □□□100C41	414
	5.4	0.9	6.6	0.9			6711	522.133	GFL11-3M □□□100C41	414
	5.4	1.6	6.6	1.5			6711	522.133	GFL14-3M □□□100C41	414
	5.1	1.3	6.1	1.2			7229	562.391	GFL14-3M □□□100C41	414
	4.5	1.2	5.4	1.2			8145	633.680	GFL14-3M □□□100C41	414
	3.6	1.0	4.3	0.9			10296	801.000	GFL14-3M □□□100C41	414



50 Hz: P_N=4.0 kW
60 Hz: P_N=4.8 kW
87 Hz: P_N=7.1 kW

n _N	1450 r/min		1750 r/min		2560 r/min		M ₂ [Nm]	i		
f _N	50 Hz		60 Hz		87 Hz					
P _N	4.0 kW		4.8 kW		7.1 kW					
	n ₂ [r/min]	c	n ₂ [r/min]	c	n ₂ [r/min]	c				
	395	3.4	476	3.2	697	2.9	94	3.675	GFL06-2M □□□112C22	406
	312	4.2	377	4.0	551	3.5	119	4.643	GFL07-2M □□□112C22	406
	278	3.2	336	3.0	491	2.7	133	5.211	GFL06-2M □□□112C22	406
	252	3.0	304	2.9	445	2.5	147	5.750	GFL06-2M □□□112C22	406
	225	2.1	271	2.0	397	1.8	165	6.450	GFL06-2M □□□112C22	406
	203	2.4	245	2.3	358	2.0	183	7.147	GFL06-2M □□□112C22	406
	173	2.8	208	2.7	305	2.4	215	8.400	GFL06-2M □□□112C22	406
	153	2.4	185	2.3	271	2.0	242	9.463	GFL06-2M □□□112C22	406
	144	1.8	173	1.7	254	1.5	258	10.092	GFL06-2M □□□112C22	406
	126	2.2	152	2.0	222	1.8	294	11.520	GFL06-2M □□□112C22	406
	112	1.8	135	1.7	197	1.5	332	12.978	GFL06-2M □□□112C22	406
	102	3.2	123	3.0	180	2.6	363	14.200	GFL07-2M □□□112C22	406
	98	1.7	119	1.6	174	1.4	377	14.743	GFL06-2M □□□112C22	406
	91	2.9	110	2.8	161	2.4	407	15.904	GFL07-2M □□□112C22	406
	90	1.6	109	1.5	159	1.3	412	16.128	GFL06-2M □□□112C22	406
	81	2.6	98	2.5	143	2.2	458	17.920	GFL07-2M □□□112C22	406
	80	1.3	96	1.2	141	1.1	464	18.169	GFL06-2M □□□112C22	406
	72	2.4	86	2.3	126	2.0	519	20.286	GFL07-2M □□□112C22	406
	71	1.2	85	1.2	124	1.0	526	20.571	GFL06-2M □□□112C22	406
	63	1.0	76	1.0	111	0.9	592	23.175	GFL06-2M □□□112C22	406
	63	2.1	77	2.0	112	1.8	584	22.857	GFL07-2M □□□112C22	406
	58	1.0	69	1.0	102	1.0	644	25.200	GFL06-2M □□□112C22	406
	58	2.1	70	2.1	103	2.0	635	24.850	GFL07-2M □□□112C22	406
	52	1.7	63	1.7	91	1.7	716	28.000	GFL07-2M □□□112C22	406
	51	0.8	62	0.8			726	28.389	GFL06-2M □□□112C22	406
	45	1.7	54	1.7	79	1.6	827	32.344	GFL07-2M □□□112C22	406
	44	2.6	54	2.6	78	2.4	835	32.667	GFL09-2M □□□112C22	406
	44	3.2	54	3.2	78	3.1	837	32.739	GFL11-2M □□□112C22	406
	40	1.3	48	1.3	70	1.3	932	36.444	GFL07-2M □□□112C22	406
	39	2.6	48	2.6	70	2.4	941	36.815	GFL09-2M □□□112C22	406
	39	3.2	47	3.2	69	3.1	943	36.889	GFL11-2M □□□112C22	406
	37	1.4	44	1.4	65	1.3	1013	39.642	GFL07-2M □□□112C22	406
	37	2.2	44	2.2	65	2.1	1014	39.667	GFL09-2M □□□112C22	406
	36	2.7	44	2.7	64	2.6	1028	40.233	GFL11-2M □□□112C22	406
	33	1.1	39	1.1	57	1.1	1142	44.667	GFL07-2M □□□112C22	406
	32	2.2	39	2.2	57	2.1	1143	44.704	GFL09-2M □□□112C22	406
	32	2.7	39	2.7	57	2.6	1159	45.333	GFL11-2M □□□112C22	406
	28	1.8	34	1.8	50	1.7	1312	51.333	GFL09-2M □□□112C22	406
	28	2.2	34	2.2	49	2.1	1331	52.067	GFL11-2M □□□112C22	406
	28	2.7	34	2.7	49	2.6	1331	52.067	GFL14-2M □□□112C22	406
	25	1.8	30	1.8	44	1.7	1479	57.852	GFL09-2M □□□112C22	406

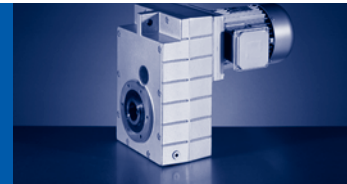


GFL

GFL [Nm] - MD□MA (IE1)

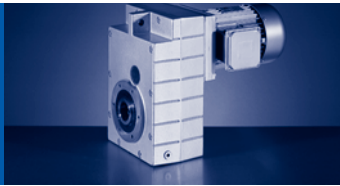
50 Hz: P_N=4.0 kW
 60 Hz: P_N=4.8 kW
 87 Hz: P_N=7.1 kW

n _N	1450 r/min		1750 r/min		2560 r/min		M ₂ [Nm]	i		
f _N	50 Hz		60 Hz		87 Hz					
P _N	4.0 kW		4.8 kW		7.1 kW					
	n ₂ [r/min]	c	n ₂ [r/min]	c	n ₂ [r/min]	c				
	25	2.2	30	2.2	44	2.1	1499	58.667	GFL11-2M □□□112C22	406
	25	2.7	30	2.7	44	2.6	1499	58.667	GFL14-2M □□□112C22	406
	23	1.0	28	1.0	40	0.9	1594	63.326	GFL09-3M □□□112C22	414
	23	1.5	28	1.5	41	1.4	1592	62.300	GFL09-2M □□□112C22	406
	23	1.8	28	1.8	41	1.7	1615	63.190	GFL11-2M □□□112C22	406
	23	2.3	28	2.3	41	2.2	1615	63.190	GFL14-2M □□□112C22	406
	22	1.8	27	1.8	39	1.8	1644	65.306	GFL11-3M □□□112C22	414
	21	1.4	25	1.4	37	1.4	1795	70.211	GFL09-2M □□□112C22	406
	21	3.1	26	3.1	37	3.1	1730	68.708	GFL14-3M □□□112C22	414
	20	0.8	24	0.8	35	0.8	1842	73.173	GFL09-3M □□□112C22	414
	20	1.6	24	1.6	35	1.6	1846	73.335	GFL11-3M □□□112C22	414
	20	1.8	25	1.8	36	1.8	1820	71.200	GFL11-2M □□□112C22	406
	20	2.3	25	2.3	36	2.3	1820	71.200	GFL14-2M □□□112C22	406
	19	3.1	23	3.1	33	3.1	1949	77.418	GFL14-3M □□□112C22	414
	18	0.8	21	0.8	31	0.8	2076	82.465	GFL09-3M □□□112C22	414
	18	1.5	22	1.5	32	1.5	2042	79.875	GFL11-2M □□□112C22	406
	18	1.6	21	1.6	31	1.6	2080	82.631	GFL11-3M □□□112C22	414
	18	1.8	22	1.8	32	1.8	2042	79.875	GFL14-2M □□□112C22	406
	17	2.9	21	2.9	30	2.9	2141	85.037	GFL14-3M □□□112C22	414
	16	1.4	19	1.4	27	1.4	2355	93.540	GFL11-3M □□□112C22	414
	16	1.5	19	1.5	28	1.5	2300	90.000	GFL11-2M □□□112C22	406
	16	1.8	19	1.8	28	1.8	2300	90.000	GFL14-2M □□□112C22	406
	14	1.4	17	1.4	24	1.4	2653	105.397	GFL11-3M □□□112C22	414
	14	2.6	17	2.6	24	2.6	2641	104.889	GFL14-3M □□□112C22	414
	13	1.2	15	1.2	22	1.2	2885	114.586	GFL11-3M □□□112C22	414
	13	2.3	15	2.3	22	2.3	2873	114.126	GFL14-3M □□□112C22	414
	11	1.2	14	1.2	20	1.2	3250	129.111	GFL11-3M □□□112C22	414
	11	2.1	13	2.1	19	2.1	3446	136.889	GFL14-3M □□□112C22	414
	11	2.3	14	2.3	20	2.3	3237	128.593	GFL14-3M □□□112C22	414
	9.7	1.0	12	1.0	17	1.0	3755	149.144	GFL11-3M □□□112C22	414
	9.3	2.1	11	2.1	16	2.1	3931	156.148	GFL14-3M □□□112C22	414
	8.6	1.0	10	1.0	15	1.0	4231	168.049	GFL11-3M □□□112C22	414
	8.5	2.0	10	2.0	15	2.0	4282	170.074	GFL14-3M □□□112C22	414
	7.9	0.9	9.6	0.9	14	0.9	4602	182.792	GFL11-3M □□□112C22	414
	7.2	1.8	8.7	1.8	13	1.8	5087	202.074	GFL14-3M □□□112C22	414
	7	0.9	8.5	0.9	12	0.9	5185	205.963	GFL11-3M □□□112C22	414
	6.5	1.6	7.8	1.6	11	1.6	5655	224.636	GFL14-3M □□□112C22	414
	5.7	1.6	6.9	1.6	10	1.6	6372	253.111	GFL14-3M □□□112C22	414
	5.3	1.4	6.4	1.4	9.4	1.4	6892	273.778	GFL14-3M □□□112C22	414
	4.4	1.3	5.3	1.3	7.7	1.3	8369	332.444	GFL14-3M □□□112C22	414
	4.1	1.2	5	1.2	7.3	1.2	8882	352.811	GFL14-3M □□□112C22	414



50 Hz: $P_N=4.0$ kW
60 Hz: $P_N=4.8$ kW
87 Hz: $P_N=7.1$ kW

n _N	1450 r/min		1750 r/min		2560 r/min		M ₂ [Nm]	i		
f _N	50 Hz		60 Hz		87 Hz					
P _N	4.0 kW		4.8 kW		7.1 kW					
	n ₂ [r/min]	c	n ₂ [r/min]	c	n ₂ [r/min]	c				
	3.7	1.2	4.4	1.2	6.4	1.2	10008	397.533	GFL14-3M □□□112C22	414
	3.4	1.0	4.1	1.0	6	1.0	10831	430.222	GFL14-3M □□□112C22	414
	2.8	0.8	3.4	0.8	4.9	0.8	13145	522.133	GFL14-3M □□□112C22	414



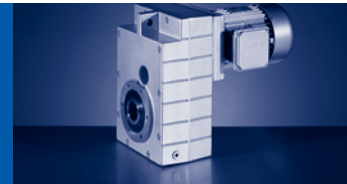
GFL

GFL [Nm] - MD□MA (IE1)

50 Hz: P_N=5.5 kW

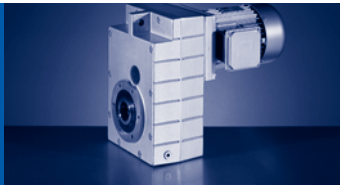
60 Hz: P_N=6.6 kW

n _N	2900 r/min		3500 r/min				M ₂ [Nm]	i		
f _N	50 Hz		60 Hz							
P _N	5.5 kW		6.6 kW							
	n ₂ [r/min]	c	n ₂ [r/min]	c						
	789	4.0	952	3.7			65	3.675	GFL06-2M □□□112C31	406
	625	4.9	754	4.6			82	4.643	GFL07-2M □□□112C31	406
	557	3.7	672	3.5			92	5.211	GFL06-2M □□□112C31	406
	504	3.5	609	3.3			101	5.750	GFL06-2M □□□112C31	406
	450	2.5	543	2.3			113	6.450	GFL06-2M □□□112C31	406
	406	2.8	490	2.6			126	7.147	GFL06-2M □□□112C31	406
	345	3.3	417	3.1			148	8.400	GFL06-2M □□□112C31	406
	307	2.8	370	2.6			166	9.463	GFL06-2M □□□112C31	406
	287	2.1	347	2.0			177	10.092	GFL06-2M □□□112C31	406
	252	2.5	304	2.4			202	11.520	GFL06-2M □□□112C31	406
	224	2.1	270	2.0			228	12.978	GFL06-2M □□□112C31	406
	197	2.0	237	1.9			259	14.743	GFL06-2M □□□112C31	406
	180	1.8	217	1.7			283	16.128	GFL06-2M □□□112C31	406
	162	3.0	195	2.9			315	17.920	GFL07-2M □□□112C31	406
	160	1.5	193	1.4			319	18.169	GFL06-2M □□□112C31	406
	143	2.8	173	2.7			357	20.286	GFL07-2M □□□112C31	406
	141	1.4	170	1.4			362	20.571	GFL06-2M □□□112C31	406
	127	2.5	153	2.3			402	22.857	GFL07-2M □□□112C31	406
	125	1.2	151	1.1			407	23.175	GFL06-2M □□□112C31	406
	117	2.8	141	2.6			437	24.850	GFL07-2M □□□112C31	406
	115	1.3	139	1.3			443	25.200	GFL06-2M □□□112C31	406
	104	2.3	125	2.2			492	28.000	GFL07-2M □□□112C31	406
	102	1.1	123	1.0			499	28.389	GFL06-2M □□□112C31	406
	90	2.2	108	2.1			568	32.344	GFL07-2M □□□112C31	406
	80	1.8	96	1.7			640	36.444	GFL07-2M □□□112C31	406
	73	1.8	88	1.7			697	39.642	GFL07-2M □□□112C31	406
	73	2.9	88	2.7			697	39.667	GFL09-2M □□□112C31	406
	65	1.5	78	1.4			785	44.667	GFL07-2M □□□112C31	406
	65	2.9	78	2.7			786	44.704	GFL09-2M □□□112C31	406
	57	2.3	68	2.2			902	51.333	GFL09-2M □□□112C31	406
	56	2.9	67	2.7			915	52.067	GFL11-2M □□□112C31	406
	50	2.3	61	2.2			1017	57.852	GFL09-2M □□□112C31	406
	49	2.9	60	2.7			1031	58.667	GFL11-2M □□□112C31	406
	47	1.9	56	1.8			1095	62.300	GFL09-2M □□□112C31	406
	46	1.3	55	1.2			1096	63.326	GFL09-3M □□□112C31	414
	46	2.4	55	2.3			1110	63.190	GFL11-2M □□□112C31	406
	46	3.0	55	2.8			1110	63.190	GFL14-2M □□□112C31	406
	44	2.6	54	2.4			1130	65.306	GFL11-3M □□□112C31	414
	41	2.0	50	1.9			1234	70.211	GFL09-2M □□□112C31	406
	41	2.7	49	2.5			1251	71.200	GFL11-2M □□□112C31	406
	40	1.2	48	1.1			1267	73.173	GFL09-3M □□□112C31	414



50 Hz: P_N=5.5 kW
60 Hz: P_N=6.6 kW

n _N	2900 r/min		3500 r/min				M ₂ [Nm]	i		
f _N	50 Hz		60 Hz							
P _N	5.5 kW		6.6 kW							
	n ₂ [r/min]	c	n ₂ [r/min]	c						
	40	2.3	48	2.2			1269	73.335	GFL11-3M □□□112C31	414
	36	2.1	44	2.0			1404	79.875	GFL11-2M □□□112C31	406
	36	2.6	44	2.5			1404	79.875	GFL14-2M □□□112C31	406
	35	1.2	42	1.1			1427	82.465	GFL09-3M □□□112C31	414
	35	2.3	42	2.2			1430	82.631	GFL11-3M □□□112C31	414
	32	2.1	39	2.0			1581	90.000	GFL11-2M □□□112C31	406
	32	2.6	39	2.5			1581	90.000	GFL14-2M □□□112C31	406
	31	1.1	38	1.0			1615	93.333	GFL09-3M □□□112C31	414
	31	2.0	37	1.9			1619	93.540	GFL11-3M □□□112C31	414
	28	1.1	33	1.0			1821	105.185	GFL09-3M □□□112C31	414
	28	2.0	33	1.9			1824	105.397	GFL11-3M □□□112C31	414
	25	0.9	31	0.9			1979	114.333	GFL09-3M □□□112C31	414
	25	1.8	31	1.7			1983	114.586	GFL11-3M □□□112C31	414
	23	0.9	27	0.9			2230	128.852	GFL09-3M □□□112C31	414
	23	1.8	27	1.7			2235	129.111	GFL11-3M □□□112C31	414
	21	3.1	26	3.0			2369	136.889	GFL14-3M □□□112C31	414
	19	1.5	24	1.4			2581	149.144	GFL11-3M □□□112C31	414
	19	3.0	22	2.9			2703	156.148	GFL14-3M □□□112C31	414
	17	1.5	21	1.4			2909	168.049	GFL11-3M □□□112C31	414
	17	2.9	21	2.7			2944	170.074	GFL14-3M □□□112C31	414
	16	1.3	19	1.3			3164	182.792	GFL11-3M □□□112C31	414
	14	1.3	17	1.3			3565	205.963	GFL11-3M □□□112C31	414
	14	2.5	17	2.4			3498	202.074	GFL14-3M □□□112C31	414
	13	1.2	16	1.1			3888	224.636	GFL11-3M □□□112C31	414
	13	2.3	16	2.1			3888	224.636	GFL14-3M □□□112C31	414
	12	1.2	14	1.1			4381	253.111	GFL11-3M □□□112C31	414
	12	2.3	14	2.1			4381	253.111	GFL14-3M □□□112C31	414
	11	1.1	13	1.1			4626	267.259	GFL11-3M □□□112C31	414
	11	2.1	13	2.0			4739	273.778	GFL14-3M □□□112C31	414
	8.9	1.0	11	0.9			5669	327.556	GFL11-3M □□□112C31	414
	8.7	1.8	11	1.7			5754	332.444	GFL14-3M □□□112C31	414
	8.2	1.7	9.9	1.6			6106	352.811	GFL14-3M □□□112C31	414
	7.3	1.7	8.8	1.6			6881	397.533	GFL14-3M □□□112C31	414
	6.7	1.4	8.1	1.4			7446	430.222	GFL14-3M □□□112C31	414
	5.6	1.2	6.7	1.1			9037	522.133	GFL14-3M □□□112C31	414
	5.2	0.9	6.2	0.9			9734	562.391	GFL14-3M □□□112C31	414
	4.6	0.9	5.5	0.9			10968	633.680	GFL14-3M □□□112C31	414



GFL

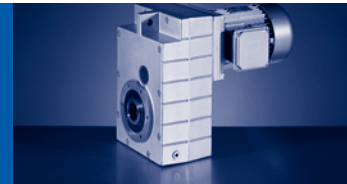
GFL [Nm] - MD□MA (IE1)

50 Hz: $P_N=5.5$ kW

60 Hz: $P_N=6.6$ kW

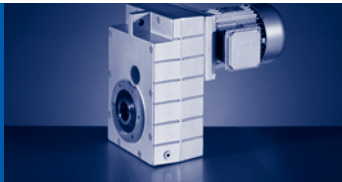
87 Hz: $P_N=9.7$ kW

n _N	1445 r/min		1745 r/min		2555 r/min		M ₂ [Nm]	i		
f _N	50 Hz		60 Hz		87 Hz					
P _N	5.5 kW		6.6 kW		9.7 kW					
	n ₂ [r/min]	c	n ₂ [r/min]	c	n ₂ [r/min]	c				
	431	3.0	521	2.9	763	2.5	118	3.350	GFL07-2M □□□112C32	406
	393	2.5	475	2.4	695	2.1	130	3.675	GFL06-2M □□□112C32	406
	311	3.0	376	2.9	550	2.5	164	4.643	GFL07-2M □□□112C32	406
	280	3.0	338	2.9	495	2.5	182	5.159	GFL07-2M □□□112C32	406
	277	2.3	335	2.2	490	1.9	184	5.211	GFL06-2M □□□112C32	406
	254	3.0	306	2.9	449	2.5	201	5.695	GFL07-2M □□□112C32	406
	251	2.2	304	2.1	444	1.8	203	5.750	GFL06-2M □□□112C32	406
	226	2.5	273	2.4	399	2.1	226	6.400	GFL07-2M □□□112C32	406
	224	1.6	271	1.5	396	1.3	228	6.450	GFL06-2M □□□112C32	406
	202	1.7	244	1.6	358	1.4	252	7.147	GFL06-2M □□□112C32	406
	202	3.0	244	2.9	357	2.5	252	7.150	GFL07-2M □□□112C32	406
	174	3.0	210	2.9	307	2.5	294	8.324	GFL07-2M □□□112C32	406
	172	2.0	208	1.9	304	1.7	296	8.400	GFL06-2M □□□112C32	406
	154	3.0	186	2.9	272	2.5	331	9.379	GFL07-2M □□□112C32	406
	153	1.7	184	1.7	270	1.5	334	9.463	GFL06-2M □□□112C32	406
	149	2.7	180	2.5	263	2.2	343	9.714	GFL07-2M □□□112C32	406
	143	1.3	173	1.2	253	1.1	356	10.092	GFL06-2M □□□112C32	406
	129	3.2	156	3.0	229	2.6	394	11.167	GFL09-2M □□□112C32	406
	125	1.6	152	1.5	222	1.3	406	11.520	GFL06-2M □□□112C32	406
	125	2.7	151	2.5	222	2.2	407	11.538	GFL07-2M □□□112C32	406
	111	1.3	135	1.2	197	1.1	458	12.978	GFL06-2M □□□112C32	406
	111	2.4	134	2.3	197	2.0	458	13.000	GFL07-2M □□□112C32	406
	102	2.3	123	2.2	180	1.9	501	14.200	GFL07-2M □□□112C32	406
	98	1.2	118	1.2	173	1.0	520	14.743	GFL06-2M □□□112C32	406
	91	2.1	110	2.0	161	1.8	561	15.904	GFL07-2M □□□112C32	406
	90	1.1	108	1.1	158	1.0	569	16.128	GFL06-2M □□□112C32	406
	89	3.2	107	3.0	156	2.6	576	16.333	GFL09-2M □□□112C32	406
	81	1.9	97	1.8	143	1.6	632	17.920	GFL07-2M □□□112C32	406
	80	0.9	96	0.9			641	18.169	GFL06-2M □□□112C32	406
	79	3.2	95	3.0	139	2.6	649	18.407	GFL09-2M □□□112C32	406
	74	2.8	89	2.6	130	2.3	694	19.667	GFL09-2M □□□112C32	406
	71	1.8	86	1.7	126	1.5	715	20.286	GFL07-2M □□□112C32	406
	70	0.9	85	0.9			725	20.571	GFL06-2M □□□112C32	406
	65	2.8	79	2.6	115	2.3	782	22.164	GFL09-2M □□□112C32	406
	63	1.5	76	1.5	112	1.3	806	22.857	GFL07-2M □□□112C32	406
	60	2.4	72	2.4	106	2.3	850	24.111	GFL09-2M □□□112C32	406
	58	1.5	70	1.5	103	1.5	876	24.850	GFL07-2M □□□112C32	406
	53	2.4	64	2.4	94	2.3	958	27.173	GFL09-2M □□□112C32	406
	52	1.3	62	1.3	91	1.2	987	28.000	GFL07-2M □□□112C32	406
	45	1.2	54	1.2	79	1.1	1141	32.344	GFL07-2M □□□112C32	406
	44	1.9	53	1.9	78	1.8	1152	32.667	GFL09-2M □□□112C32	406



50 Hz: P_N=5.5 kW
60 Hz: P_N=6.6 kW
87 Hz: P_N=9.7 kW

n _N	1445 r/min		1745 r/min		2555 r/min		M ₂ [Nm]	i		
f _N	50 Hz		60 Hz		87 Hz					
P _N	5.5 kW		6.6 kW		9.7 kW					
	n ₂ [r/min]	c	n ₂ [r/min]	c	n ₂ [r/min]	c				
	44	2.4	53	2.4	78	2.2	1155	32.739	GFL11-2M □□□112C32	406
	40	1.0	48	1.0	70	0.9	1285	36.444	GFL07-2M □□□112C32	406
	39	1.9	47	1.9	69	1.8	1298	36.815	GFL09-2M □□□112C32	406
	39	2.4	47	2.4	69	2.2	1301	36.889	GFL11-2M □□□112C32	406
	37	1.0	44	1.0	65	0.9	1398	39.642	GFL07-2M □□□112C32	406
	36	1.6	44	1.6	64	1.5	1399	39.667	GFL09-2M □□□112C32	406
	36	2.0	43	2.0	64	1.9	1419	40.233	GFL11-2M □□□112C32	406
	32	1.6	39	1.6	57	1.5	1577	44.704	GFL09-2M □□□112C32	406
	32	2.0	39	2.0	56	1.9	1599	45.333	GFL11-2M □□□112C32	406
	28	1.3	34	1.3	50	1.2	1810	51.333	GFL09-2M □□□112C32	406
	28	1.6	34	1.6	49	1.5	1836	52.067	GFL11-2M □□□112C32	406
	28	2.0	34	2.0	49	1.9	1836	52.067	GFL14-2M □□□112C32	406
	25	1.3	30	1.3	44	1.2	2040	57.852	GFL09-2M □□□112C32	406
	25	1.6	30	1.6	44	1.5	2069	58.667	GFL11-2M □□□112C32	406
	25	2.0	30	2.0	44	1.9	2069	58.667	GFL14-2M □□□112C32	406
	23	1.1	28	1.1	41	1.0	2197	62.300	GFL09-2M □□□112C32	406
	23	1.3	28	1.3	40	1.3	2228	63.190	GFL11-2M □□□112C32	406
	23	1.6	28	1.6	40	1.6	2228	63.190	GFL14-2M □□□112C32	406
	23	2.5	27	2.5	40	2.4	2233	64.296	GFL14-3M □□□112C32	414
	22	1.3	27	1.3	39	1.3	2268	65.306	GFL11-3M □□□112C32	414
	21	1.0	25	1.0	36	1.0	2476	70.211	GFL09-2M □□□112C32	406
	21	2.3	25	2.3	37	2.3	2387	68.708	GFL14-3M □□□112C32	414
	20	1.1	24	1.1	35	1.1	2547	73.335	GFL11-3M □□□112C32	414
	20	1.3	25	1.3	36	1.3	2511	71.200	GFL11-2M □□□112C32	406
	20	1.6	25	1.6	36	1.6	2511	71.200	GFL14-2M □□□112C32	406
	19	2.3	23	2.3	33	2.3	2689	77.418	GFL14-3M □□□112C32	414
	18	1.1	22	1.1	32	1.1	2817	79.875	GFL11-2M □□□112C32	406
	18	1.1	21	1.1	31	1.1	2870	82.631	GFL11-3M □□□112C32	414
	18	1.3	22	1.3	32	1.3	2817	79.875	GFL14-2M □□□112C32	406
	17	2.1	21	2.1	30	2.1	2954	85.037	GFL14-3M □□□112C32	414
	16	1.1	19	1.1	28	1.1	3174	90.000	GFL11-2M □□□112C32	406
	16	1.3	19	1.3	28	1.3	3174	90.000	GFL14-2M □□□112C32	406
	15	1.0	19	1.0	27	1.0	3249	93.540	GFL11-3M □□□112C32	414
	14	1.0	17	1.0	24	1.0	3661	105.397	GFL11-3M □□□112C32	414
	14	1.9	17	1.9	24	1.9	3643	104.889	GFL14-3M □□□112C32	414
	13	0.9	15	0.9	22	0.9	3980	114.586	GFL11-3M □□□112C32	414
	13	1.7	15	1.7	22	1.7	3964	114.126	GFL14-3M □□□112C32	414
	11	0.9	14	0.9	20	0.9	4485	129.111	GFL11-3M □□□112C32	414
	11	1.6	13	1.6	19	1.6	4755	136.889	GFL14-3M □□□112C32	414
	11	1.7	14	1.7	20	1.7	4467	128.593	GFL14-3M □□□112C32	414
	9.3	1.5	11	1.5	16	1.5	5424	156.148	GFL14-3M □□□112C32	414



GFL

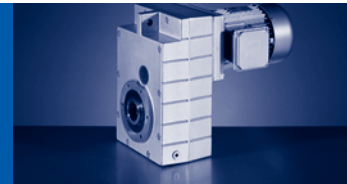
GFL [Nm] - MD□MA (IE1)

50 Hz: $P_N=5.5$ kW

60 Hz: $P_N=6.6$ kW

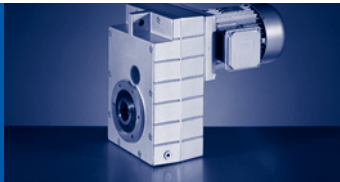
87 Hz: $P_N=9.7$ kW

n _N	1445 r/min		1745 r/min		2555 r/min		M ₂ [Nm]	i		
f _N	50 Hz		60 Hz		87 Hz					
P _N	5.5 kW		6.6 kW		9.7 kW					
	n ₂ [r/min]	c	n ₂ [r/min]	c	n ₂ [r/min]	c				
	8.5	1.4	10	1.4	15	1.4	5908	170.074	GFL14-3M □□□112C32	414
	7.2	1.3	8.6	1.3	13	1.3	7019	202.074	GFL14-3M □□□112C32	414
	6.4	1.1	7.8	1.1	11	1.1	7803	224.636	GFL14-3M □□□112C32	414
	5.7	1.1	6.9	1.1	10	1.1	8792	253.111	GFL14-3M □□□112C32	414
	5.3	1.0	6.4	1.0	9.3	1.0	9510	273.778	GFL14-3M □□□112C32	414
	4.4	0.9	5.3	0.9	7.7	0.9	11548	332.444	GFL14-3M □□□112C32	414
	4.1	0.9	5	0.9	7.2	0.9	12255	352.811	GFL14-3M □□□112C32	414
	3.6	0.8	4.4	0.8	6.4	0.8	13809	397.533	GFL14-3M □□□112C32	414



50 Hz: P_N=7.5 kW
60 Hz: P_N=9.0 kW

n _N	2890 r/min		3490 r/min				M ₂ [Nm]	i		
f _N	50 Hz		60 Hz							
P _N	7.5 kW		9.0 kW							
	n ₂ [r/min]	c	n ₂ [r/min]	c						
	786	2.9	950	2.7			88	3.675	GFL06-2M □□□112C41	406
	623	3.6	752	3.4			112	4.643	GFL07-2M □□□112C41	406
	555	2.7	670	2.6			125	5.211	GFL06-2M □□□112C41	406
	503	2.6	607	2.4			138	5.750	GFL06-2M □□□112C41	406
	452	2.9	545	2.7			154	6.400	GFL07-2M □□□112C41	406
	448	1.8	541	1.7			155	6.450	GFL06-2M □□□112C41	406
	404	2.0	488	1.9			172	7.147	GFL06-2M □□□112C41	406
	344	2.4	416	2.3			202	8.400	GFL06-2M □□□112C41	406
	305	2.1	369	1.9			228	9.463	GFL06-2M □□□112C41	406
	298	3.1	359	2.9			234	9.714	GFL07-2M □□□112C41	406
	286	1.5	346	1.4			243	10.092	GFL06-2M □□□112C41	406
	251	1.8	303	1.7			277	11.520	GFL06-2M □□□112C41	406
	251	3.1	303	2.9			277	11.538	GFL07-2M □□□112C41	406
	223	1.5	269	1.4			312	12.978	GFL06-2M □□□112C41	406
	222	2.8	269	2.6			313	13.000	GFL07-2M □□□112C41	406
	204	2.7	246	2.5			341	14.200	GFL07-2M □□□112C41	406
	196	1.5	237	1.4			355	14.743	GFL06-2M □□□112C41	406
	182	2.5	219	2.3			382	15.904	GFL07-2M □□□112C41	406
	179	1.3	216	1.3			388	16.128	GFL06-2M □□□112C41	406
	161	2.2	195	2.1			431	17.920	GFL07-2M □□□112C41	406
	159	1.1	192	1.0			437	18.169	GFL06-2M □□□112C41	406
	147	3.3	178	3.1			473	19.667	GFL09-2M □□□112C41	406
	143	2.1	172	2.0			488	20.286	GFL07-2M □□□112C41	406
	141	1.1	170	1.0			495	20.571	GFL06-2M □□□112C41	406
	130	3.3	158	3.1			533	22.164	GFL09-2M □□□112C41	406
	126	1.8	153	1.7			550	22.857	GFL07-2M □□□112C41	406
	125	0.9	151	0.8			557	23.175	GFL06-2M □□□112C41	406
	120	3.2	145	3.0			580	24.111	GFL09-2M □□□112C41	406
	116	2.0	140	1.9			598	24.850	GFL07-2M □□□112C41	406
	115	1.0	139	0.9			606	25.200	GFL06-2M □□□112C41	406
	106	3.2	128	3.0			653	27.173	GFL09-2M □□□112C41	406
	103	1.7	125	1.6			673	28.000	GFL07-2M □□□112C41	406
	102	0.8					683	28.389	GFL06-2M □□□112C41	406
	89	1.6	108	1.5			778	32.344	GFL07-2M □□□112C41	406
	89	2.5	107	2.3			785	32.667	GFL09-2M □□□112C41	406
	88	3.2	107	3.0			787	32.739	GFL11-2M □□□112C41	406
	79	1.3	96	1.2			876	36.444	GFL07-2M □□□112C41	406
	79	2.5	95	2.3			885	36.815	GFL09-2M □□□112C41	406
	78	3.2	95	3.0			887	36.889	GFL11-2M □□□112C41	406
	73	1.3	88	1.2			953	39.642	GFL07-2M □□□112C41	406
	73	2.1	88	2.0			954	39.667	GFL09-2M □□□112C41	406



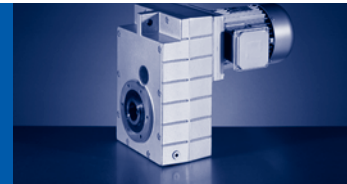
GFL

GFL [Nm] - MD□MA (IE1)

50 Hz: P_N=7.5 kW

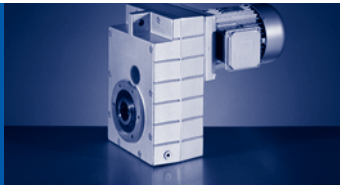
60 Hz: P_N=9.0 kW

n _N	2890 r/min		3490 r/min				M ₂ [Nm]	i		
f _N	50 Hz		60 Hz							
P _N	7.5 kW		9.0 kW							
	n ₂ [r/min]	c	n ₂ [r/min]	c						
	72	2.6	87	2.5			967	40.233	GFL11-2M □□□112C41	406
	65	1.1	78	1.0			1074	44.667	GFL07-2M □□□112C41	406
	65	2.1	78	2.0			1075	44.704	GFL09-2M □□□112C41	406
	64	2.6	77	2.5			1090	45.333	GFL11-2M □□□112C41	406
	56	1.7	68	1.6			1234	51.333	GFL09-2M □□□112C41	406
	56	2.1	67	2.0			1252	52.067	GFL11-2M □□□112C41	406
	56	2.6	67	2.5			1252	52.067	GFL14-2M □□□112C41	406
	50	1.7	60	1.6			1391	57.852	GFL09-2M □□□112C41	406
	49	2.1	60	2.0			1411	58.667	GFL11-2M □□□112C41	406
	49	2.6	60	2.5			1411	58.667	GFL14-2M □□□112C41	406
	46	0.9	55	0.9			1500	63.326	GFL09-3M □□□112C41	414
	46	1.4	56	1.3			1498	62.300	GFL09-2M □□□112C41	406
	46	1.8	55	1.7			1519	63.190	GFL11-2M □□□112C41	406
	46	2.2	55	2.1			1519	63.190	GFL14-2M □□□112C41	406
	44	1.9	53	1.8			1547	65.306	GFL11-3M □□□112C41	414
	41	1.5	50	1.4			1688	70.211	GFL09-2M □□□112C41	406
	41	1.9	49	1.8			1712	71.200	GFL11-2M □□□112C41	406
	41	2.4	49	2.3			1712	71.200	GFL14-2M □□□112C41	406
	40	0.9	48	0.8			1733	73.173	GFL09-3M □□□112C41	414
	39	1.7	48	1.6			1737	73.335	GFL11-3M □□□112C41	414
	36	1.6	44	1.5			1921	79.875	GFL11-2M □□□112C41	406
	36	1.9	44	1.8			1921	79.875	GFL14-2M □□□112C41	406
	35	0.9	42	0.8			1953	82.465	GFL09-3M □□□112C41	414
	35	1.7	42	1.6			1957	82.631	GFL11-3M □□□112C41	414
	34	3.1	41	3.0			2014	85.037	GFL14-3M □□□112C41	414
	32	1.6	39	1.5			2164	90.000	GFL11-2M □□□112C41	406
	32	1.9	39	1.8			2164	90.000	GFL14-2M □□□112C41	406
	31	1.5	37	1.4			2215	93.540	GFL11-3M □□□112C41	414
	28	2.7	33	2.6			2484	104.889	GFL14-3M □□□112C41	414
	27	1.5	33	1.4			2496	105.397	GFL11-3M □□□112C41	414
	25	1.3	31	1.2			2714	114.586	GFL11-3M □□□112C41	414
	25	2.5	31	2.4			2703	114.126	GFL14-3M □□□112C41	414
	23	2.5	27	2.4			3046	128.593	GFL14-3M □□□112C41	414
	22	1.3	27	1.2			3058	129.111	GFL11-3M □□□112C41	414
	21	2.3	26	2.2			3242	136.889	GFL14-3M □□□112C41	414
	19	1.1	23	1.1			3532	149.144	GFL11-3M □□□112C41	414
	19	2.2	22	2.1			3698	156.148	GFL14-3M □□□112C41	414
	17	1.1	21	1.1			3980	168.049	GFL11-3M □□□112C41	414
	17	2.1	21	2.0			4028	170.074	GFL14-3M □□□112C41	414
	16	1.0	19	0.9			4329	182.792	GFL11-3M □□□112C41	414
	14	1.0	17	0.9			4878	205.963	GFL11-3M □□□112C41	414



50 Hz: $P_N=7.5$ kW
60 Hz: $P_N=9.0$ kW

n_N	2890 r/min		3490 r/min				M_2 [Nm]	i		
f_N	50 Hz		60 Hz							
P_N	7.5 kW		9.0 kW							
	n_2 [r/min]	c	n_2 [r/min]	c						
	14	1.9	17	1.8			4786	202.074	GFL14-3M □□□112C41	414
	13	0.9	16	0.8			5320	224.636	GFL11-3M □□□112C41	414
	13	1.6	16	1.6			5320	224.636	GFL14-3M □□□112C41	414
	11	0.8					6330	267.259	GFL11-3M □□□112C41	414
	11	0.9	14	0.8			5995	253.111	GFL11-3M □□□112C41	414
	11	1.5	13	1.4			6484	273.778	GFL14-3M □□□112C41	414
	11	1.6	14	1.6			5995	253.111	GFL14-3M □□□112C41	414
	8.7	1.3	11	1.3			7873	332.444	GFL14-3M □□□112C41	414
	8.2	1.2	9.9	1.2			8356	352.811	GFL14-3M □□□112C41	414
	7.3	1.2	8.8	1.2			9415	397.533	GFL14-3M □□□112C41	414
	6.7	1.0	8.1	1.0			10189	430.222	GFL14-3M □□□112C41	414
	5.5	0.9	6.7	0.8			12366	522.133	GFL14-3M □□□112C41	414

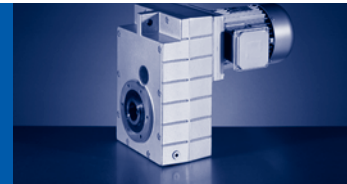


GFL

GFL [Nm] - MD□MA (IE1)

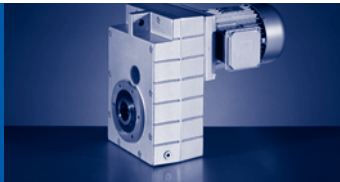
50 Hz: P_N=7.5 kW
 60 Hz: P_N=9.0 kW
 87 Hz: P_N=13.2 kW

n _N	1455 r/min		1755 r/min		2565 r/min		M ₂ [Nm]	i		
f _N	50 Hz		60 Hz		87 Hz					
P _N	7.5 kW		9.0 kW		13.2 kW					
	n ₂ [r/min]	c	n ₂ [r/min]	c	n ₂ [r/min]	c				
	434	4.0	524	3.8	766	3.3	160	3.350	GFL07-2M □□□132C22	406
	313	2.9	378	2.8	553	2.5	222	4.643	GFL07-2M □□□132C22	406
	282	3.5	340	3.3	497	2.9	246	5.159	GFL07-2M □□□132C22	406
	256	3.4	308	3.2	450	2.8	272	5.695	GFL07-2M □□□132C22	406
	227	2.2	274	2.1	401	1.8	306	6.400	GFL07-2M □□□132C22	406
	204	2.7	246	2.6	359	2.3	342	7.150	GFL07-2M □□□132C22	406
	175	2.5	211	2.4	308	2.1	398	8.324	GFL07-2M □□□132C22	406
	155	2.2	187	2.1	274	1.9	448	9.379	GFL07-2M □□□132C22	406
	150	2.1	181	2.0	264	1.8	464	9.714	GFL07-2M □□□132C22	406
	126	2.0	152	1.9	222	1.6	551	11.538	GFL07-2M □□□132C22	406
	112	1.8	135	1.7	197	1.5	621	13.000	GFL07-2M □□□132C22	406
	103	1.7	124	1.6	181	1.4	678	14.200	GFL07-2M □□□132C22	406
	92	1.6	110	1.5	161	1.3	760	15.904	GFL07-2M □□□132C22	406
	89	3.2	107	3.0	157	2.6	780	16.333	GFL09-2M □□□132C22	406
	81	1.4	98	1.3	143	1.2	856	17.920	GFL07-2M □□□132C22	406
	79	2.8	95	2.7	139	2.4	879	18.407	GFL09-2M □□□132C22	406
	74	2.7	89	2.6	130	2.3	939	19.667	GFL09-2M □□□132C22	406
	72	1.3	87	1.2	126	1.1	969	20.286	GFL07-2M □□□132C22	406
	66	2.5	79	2.3	116	2.1	1059	22.164	GFL09-2M □□□132C22	406
	64	1.1	77	1.1	112	1.0	1092	22.857	GFL07-2M □□□132C22	406
	60	2.4	73	2.4	106	2.3	1152	24.111	GFL09-2M □□□132C22	406
	59	1.1	71	1.1	103	1.1	1187	24.850	GFL07-2M □□□132C22	406
	54	2.1	65	2.1	94	2.0	1298	27.173	GFL09-2M □□□132C22	406
	52	0.9	63	0.9	92	0.9	1337	28.000	GFL07-2M □□□132C22	406
	52	3.2	63	3.2	92	3.0	1337	28.000	GFL11-2M □□□132C22	406
	45	1.9	54	1.9	79	1.8	1560	32.667	GFL09-2M □□□132C22	406
	44	2.9	54	2.9	78	2.8	1564	32.739	GFL11-2M □□□132C22	406
	40	1.7	48	1.7	70	1.6	1758	36.815	GFL09-2M □□□132C22	406
	39	2.6	48	2.6	70	2.5	1762	36.889	GFL11-2M □□□132C22	406
	37	1.6	44	1.6	65	1.6	1894	39.667	GFL09-2M □□□132C22	406
	36	2.5	44	2.5	64	2.4	1921	40.233	GFL11-2M □□□132C22	406
	33	1.4	39	1.4	57	1.4	2135	44.704	GFL09-2M □□□132C22	406
	32	2.3	39	2.3	57	2.1	2165	45.333	GFL11-2M □□□132C22	406
	28	2.1	34	2.1	49	2.0	2487	52.067	GFL11-2M □□□132C22	406
	28	3.1	34	3.1	49	2.9	2487	52.067	GFL14-2M □□□132C22	406
	25	1.9	30	1.9	44	1.8	2802	58.667	GFL11-2M □□□132C22	406
	25	3.1	30	3.1	44	2.9	2802	58.667	GFL14-2M □□□132C22	406
	23	1.8	28	1.8	41	1.8	3018	63.190	GFL11-2M □□□132C22	406
	23	1.9	27	1.9	40	1.8	3025	64.296	GFL14-3M □□□132C22	414
	23	2.6	28	2.6	41	2.4	3018	63.190	GFL14-2M □□□132C22	406
	22	0.9	27	0.9	39	0.9	3072	65.306	GFL11-3M □□□132C22	414



50 Hz: $P_N=7.5$ kW
60 Hz: $P_N=9.0$ kW
87 Hz: $P_N=13.2$ kW

n _N	1455 r/min		1755 r/min		2565 r/min		M ₂ [Nm]	i		
f _N	50 Hz		60 Hz		87 Hz					
P _N	7.5 kW		9.0 kW		13.2 kW					
	n ₂ [r/min]	c	n ₂ [r/min]	c	n ₂ [r/min]	c				
	21	1.7	26	1.7	37	1.7	3232	68.708	GFL14-3M □□□132C22	414
	20	0.8	24	0.8	35	0.8	3450	73.335	GFL11-3M □□□132C22	414
	20	1.6	25	1.6	36	1.6	3400	71.200	GFL11-2M □□□132C22	406
	20	2.6	25	2.6	36	2.6	3400	71.200	GFL14-2M □□□132C22	406
	19	1.7	23	1.7	33	1.7	3642	77.418	GFL14-3M □□□132C22	414
	18	0.8	21	0.8	31	0.8	3887	82.631	GFL11-3M □□□132C22	414
	18	1.8	22	1.8	32	1.8	3815	79.875	GFL14-2M □□□132C22	406
	17	1.6	21	1.6	30	1.6	4000	85.037	GFL14-3M □□□132C22	414
	16	1.8	20	1.8	29	1.8	4298	90.000	GFL14-2M □□□132C22	406
	14	1.4	17	1.4	25	1.4	4934	104.889	GFL14-3M □□□132C22	414
	13	1.3	15	1.3	23	1.3	5369	114.126	GFL14-3M □□□132C22	414
	11	1.1	13	1.1	19	1.1	6439	136.889	GFL14-3M □□□132C22	414
	11	1.3	14	1.3	20	1.3	6049	128.593	GFL14-3M □□□132C22	414
	9.3	1.1	11	1.1	16	1.1	7345	156.148	GFL14-3M □□□132C22	414
	8.6	1.1	10	1.1	15	1.1	8001	170.074	GFL14-3M □□□132C22	414
	6.5	0.8	7.8	0.8	11	0.8	10567	224.636	GFL14-3M □□□132C22	414
	5.8	0.8	6.9	0.8	10	0.8	11907	253.111	GFL14-3M □□□132C22	414

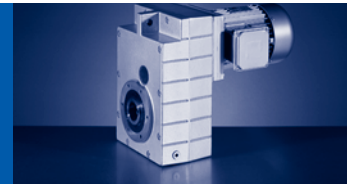


GFL

GFL [Nm] - MD□MA (IE1)

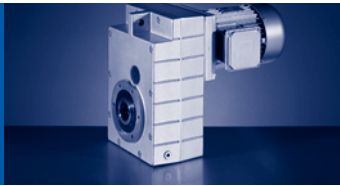
50 Hz: P_N=9.0 kW
60 Hz: P_N=11.0 kW

n _N	2890 r/min		3490 r/min				M ₂ [Nm]	i		
f _N	50 Hz		60 Hz							
P _N	9.0 kW		11.0 kW							
	n ₂ [r/min]	c	n ₂ [r/min]	c						
	863	5.3	1042	5.0			97	3.350	GFL07-2M □□□132C21	406
	623	3.9	752	3.7			134	4.643	GFL07-2M □□□132C21	406
	560	4.6	677	4.3			149	5.159	GFL07-2M □□□132C21	406
	508	4.5	613	4.2			164	5.695	GFL07-2M □□□132C21	406
	452	2.9	545	2.7			185	6.400	GFL07-2M □□□132C21	406
	404	3.6	488	3.4			206	7.150	GFL07-2M □□□132C21	406
	347	3.3	419	3.1			240	8.324	GFL07-2M □□□132C21	406
	308	3.0	372	2.8			271	9.379	GFL07-2M □□□132C21	406
	298	2.8	359	2.6			280	9.714	GFL07-2M □□□132C21	406
	251	2.6	303	2.5			333	11.538	GFL07-2M □□□132C21	406
	222	2.3	269	2.2			375	13.000	GFL07-2M □□□132C21	406
	204	2.2	246	2.1			410	14.200	GFL07-2M □□□132C21	406
	182	2.1	219	1.9			459	15.904	GFL07-2M □□□132C21	406
	161	1.9	195	1.7			517	17.920	GFL07-2M □□□132C21	406
	143	1.7	172	1.6			585	20.286	GFL07-2M □□□132C21	406
	126	1.5	153	1.4			660	22.857	GFL07-2M □□□132C21	406
	116	1.7	140	1.6			717	24.850	GFL07-2M □□□132C21	406
	106	3.2	128	3.0			784	27.173	GFL09-2M □□□132C21	406
	103	1.4	125	1.3			808	28.000	GFL07-2M □□□132C21	406
	89	2.9	107	2.7			943	32.667	GFL09-2M □□□132C21	406
	79	2.6	95	2.4			1062	36.815	GFL09-2M □□□132C21	406
	73	2.5	88	2.3			1145	39.667	GFL09-2M □□□132C21	406
	65	2.1	78	2.0			1290	44.704	GFL09-2M □□□132C21	406
	56	3.2	67	3.0			1502	52.067	GFL11-2M □□□132C21	406
	49	2.8	60	2.7			1693	58.667	GFL11-2M □□□132C21	406
	46	2.8	55	2.6			1823	63.190	GFL11-2M □□□132C21	406
	45	2.8	54	2.6			1827	64.296	GFL14-3M □□□132C21	414
	44	1.6	53	1.5			1856	65.306	GFL11-3M □□□132C21	414
	42	2.8	51	2.6			1953	68.708	GFL14-3M □□□132C21	414
	41	2.7	49	2.6			2054	71.200	GFL11-2M □□□132C21	406
	39	1.4	48	1.3			2084	73.335	GFL11-3M □□□132C21	414
	37	2.8	45	2.6			2200	77.418	GFL14-3M □□□132C21	414
	36	3.0	44	2.9			2305	79.875	GFL14-2M □□□132C21	406
	35	1.4	42	1.3			2348	82.631	GFL11-3M □□□132C21	414
	34	2.6	41	2.5			2417	85.037	GFL14-3M □□□132C21	414
	32	3.0	39	2.9			2597	90.000	GFL14-2M □□□132C21	406
	31	1.2	37	1.2			2658	93.540	GFL11-3M □□□132C21	414
	28	2.3	33	2.2			2981	104.889	GFL14-3M □□□132C21	414
	27	1.2	33	1.2			2995	105.397	GFL11-3M □□□132C21	414
	25	1.1	31	1.0			3257	114.586	GFL11-3M □□□132C21	414
	25	2.1	31	2.0			3244	114.126	GFL14-3M □□□132C21	414



50 Hz: $P_N=9.0$ kW
60 Hz: $P_N=11.0$ kW

n_N	2890 r/min		3490 r/min				M_2 [Nm]	i		
f_N	50 Hz		60 Hz							
P_N	9.0 kW		11.0 kW							
	n_2 [r/min]	c	n_2 [r/min]	c						
	23	2.1	27	2.0			3655	128.593	GFL14-3M □□□132C21	414
	22	1.1	27	1.0			3669	129.111	GFL11-3M □□□132C21	414
	21	1.9	26	1.8			3890	136.889	GFL14-3M □□□132C21	414
	19	1.9	22	1.8			4438	156.148	GFL14-3M □□□132C21	414
	17	1.7	21	1.7			4834	170.074	GFL14-3M □□□132C21	414
	13	1.4	16	1.3			6384	224.636	GFL14-3M □□□132C21	414
	11	1.3	13	1.2			7781	273.778	GFL14-3M □□□132C21	414
	11	1.4	14	1.3			7193	253.111	GFL14-3M □□□132C21	414
	8.7	1.1	11	1.1			9448	332.444	GFL14-3M □□□132C21	414

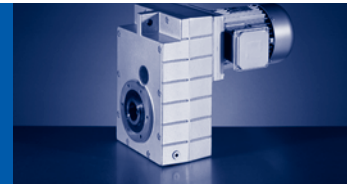


GFL

GFL [Nm] - MD□MA (IE1)

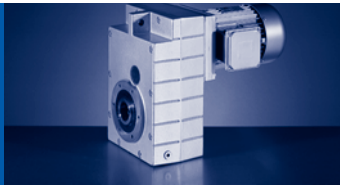
50 Hz: P_N=9.2 kW
 60 Hz: P_N=11.0 kW
 87 Hz: P_N=16.2 kW

n _N	1450 r/min		1750 r/min		2560 r/min		M ₂ [Nm]	i		
f _N	50 Hz		60 Hz		87 Hz					
P _N	9.2 kW		11.0 kW		16.2 kW					
	n ₂ [r/min]	c	n ₂ [r/min]	c	n ₂ [r/min]	c				
	433	3.3	522	3.1	764	2.7	197	3.350	GFL07-2M □□□132C32	406
	312	2.4	377	2.3	551	2.0	273	4.643	GFL07-2M □□□132C32	406
	281	2.8	339	2.7	496	2.3	303	5.159	GFL07-2M □□□132C32	406
	255	2.7	307	2.6	450	2.3	335	5.695	GFL07-2M □□□132C32	406
	227	1.8	273	1.7	400	1.5	376	6.400	GFL07-2M □□□132C32	406
	203	2.2	245	2.1	358	1.8	420	7.150	GFL07-2M □□□132C32	406
	174	2.0	210	1.9	308	1.7	489	8.324	GFL07-2M □□□132C32	406
	155	1.8	187	1.7	273	1.5	551	9.379	GFL07-2M □□□132C32	406
	149	1.7	180	1.6	264	1.4	571	9.714	GFL07-2M □□□132C32	406
	126	1.6	152	1.5	222	1.3	678	11.538	GFL07-2M □□□132C32	406
	118	3.1	142	2.9	208	2.6	723	12.307	GFL09-2M □□□132C32	406
	112	1.4	135	1.4	197	1.2	764	13.000	GFL07-2M □□□132C32	406
	102	1.4	123	1.3	180	1.2	835	14.200	GFL07-2M □□□132C32	406
	101	2.8	122	2.7	179	2.4	843	14.333	GFL09-2M □□□132C32	406
	91	1.3	110	1.2	161	1.1	935	15.904	GFL07-2M □□□132C32	406
	89	2.6	107	2.4	157	2.1	960	16.333	GFL09-2M □□□132C32	406
	81	1.1	98	1.1	143	0.9	1053	17.920	GFL07-2M □□□132C32	406
	79	2.3	95	2.2	139	1.9	1082	18.407	GFL09-2M □□□132C32	406
	74	2.2	89	2.1	130	1.9	1156	19.667	GFL09-2M □□□132C32	406
	72	1.1	86	1.0	126	0.9	1193	20.286	GFL07-2M □□□132C32	406
	65	2.0	79	1.9	116	1.7	1303	22.164	GFL09-2M □□□132C32	406
	63	0.9	77	0.9			1344	22.857	GFL07-2M □□□132C32	406
	63	3.0	77	2.9	112	2.5	1344	22.857	GFL11-2M □□□132C32	406
	60	1.9	73	1.9	106	1.8	1417	24.111	GFL09-2M □□□132C32	406
	58	0.9	70	0.9	103	0.9	1461	24.850	GFL07-2M □□□132C32	406
	58	2.9	70	2.9	103	2.8	1461	24.850	GFL11-2M □□□132C32	406
	53	1.7	64	1.7	94	1.7	1597	27.173	GFL09-2M □□□132C32	406
	52	2.6	63	2.6	91	2.5	1646	28.000	GFL11-2M □□□132C32	406
	44	1.6	54	1.6	78	1.5	1920	32.667	GFL09-2M □□□132C32	406
	44	2.4	54	2.4	78	2.3	1925	32.739	GFL11-2M □□□132C32	406
	39	1.4	48	1.4	70	1.3	2164	36.815	GFL09-2M □□□132C32	406
	39	2.1	47	2.1	69	2.0	2169	36.889	GFL11-2M □□□132C32	406
	37	1.3	44	1.3	65	1.3	2332	39.667	GFL09-2M □□□132C32	406
	37	3.1	44	3.1	65	2.9	2330	39.642	GFL14-2M □□□132C32	406
	36	2.1	44	2.1	64	2.0	2365	40.233	GFL11-2M □□□132C32	406
	33	3.1	39	3.1	57	2.9	2626	44.667	GFL14-2M □□□132C32	406
	32	1.2	39	1.2	57	1.1	2628	44.704	GFL09-2M □□□132C32	406
	32	1.8	39	1.8	57	1.7	2665	45.333	GFL11-2M □□□132C32	406
	28	1.7	34	1.7	49	1.6	3061	52.067	GFL11-2M □□□132C32	406
	28	2.5	34	2.5	49	2.4	3061	52.067	GFL14-2M □□□132C32	406
	25	1.5	30	1.5	44	1.5	3449	58.667	GFL11-2M □□□132C32	406



50 Hz: $P_N=9.2$ kW
60 Hz: $P_N=11.0$ kW
87 Hz: $P_N=16.2$ kW

n _N	1450 r/min		1750 r/min		2560 r/min		M ₂ [Nm]	i		
f _N	50 Hz		60 Hz		87 Hz					
P _N	9.2 kW		11.0 kW		16.2 kW					
	n ₂ [r/min]	c	n ₂ [r/min]	c	n ₂ [r/min]	c				
	25	2.5	30	2.5	44	2.4	3449	58.667	GFL14-2M □□□132C32	406
	23	1.5	27	1.5	40	1.4	3723	64.296	GFL14-3M □□□132C32	414
	23	1.5	28	1.5	41	1.4	3715	63.190	GFL11-2M □□□132C32	406
	23	2.1	28	2.1	41	2.0	3715	63.190	GFL14-2M □□□132C32	406
	21	1.4	26	1.4	37	1.4	3978	68.708	GFL14-3M □□□132C32	414
	20	1.3	25	1.3	36	1.3	4186	71.200	GFL11-2M □□□132C32	406
	20	2.1	25	2.1	36	2.1	4186	71.200	GFL14-2M □□□132C32	406
	19	1.4	23	1.4	33	1.4	4483	77.418	GFL14-3M □□□132C32	414
	18	1.5	22	1.5	32	1.5	4695	79.875	GFL14-2M □□□132C32	406
	17	1.3	21	1.3	30	1.3	4924	85.037	GFL14-3M □□□132C32	414
	16	1.5	19	1.5	28	1.5	5291	90.000	GFL14-2M □□□132C32	406
	14	1.1	17	1.1	24	1.1	6073	104.889	GFL14-3M □□□132C32	414
	13	1.0	15	1.0	22	1.0	6608	114.126	GFL14-3M □□□132C32	414
	11	0.9	13	0.9	19	0.9	7926	136.889	GFL14-3M □□□132C32	414
	11	1.0	14	1.0	20	1.0	7446	128.593	GFL14-3M □□□132C32	414
	9.3	0.9	11	0.9	16	0.9	9041	156.148	GFL14-3M □□□132C32	414
	8.5	0.9	10	0.9	15	0.9	9848	170.074	GFL14-3M □□□132C32	414



GFL

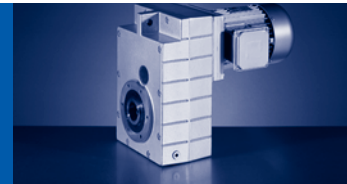
GFL [Nm] - MD□MA (IE1)

50 Hz: P_N=11.0 kW

60 Hz: P_N=13.2 kW

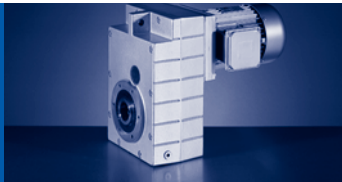
87 Hz: P_N=19.3 kW

n _N	1460 r/min		1760 r/min		2565 r/min		M ₂ [Nm]	i		
f _N	50 Hz		60 Hz		87 Hz					
P _N	11.0 kW		13.2 kW		19.3 kW					
	n ₂ [r/min]	c	n ₂ [r/min]	c	n ₂ [r/min]	c				
	436	2.7	525	2.6	767	2.3	234	3.350	GFL07-2M □□□160C22	406
	315	2.0	379	1.9	554	1.7	324	4.643	GFL07-2M □□□160C22	406
	283	2.4	341	2.2	498	2.0	360	5.159	GFL07-2M □□□160C22	406
	256	2.3	309	2.2	451	1.9	398	5.695	GFL07-2M □□□160C22	406
	228	1.5	275	1.4	402	1.2	447	6.400	GFL07-2M □□□160C22	406
	204	1.8	246	1.7	359	1.5	499	7.150	GFL07-2M □□□160C22	406
	175	1.7	211	1.6	309	1.4	581	8.324	GFL07-2M □□□160C22	406
	156	1.5	188	1.5	274	1.3	655	9.379	GFL07-2M □□□160C22	406
	150	1.4	181	1.4	265	1.2	678	9.714	GFL07-2M □□□160C22	406
	131	3.0	158	2.8	230	2.5	780	11.167	GFL09-2M □□□160C22	406
	127	1.3	153	1.3	223	1.1	805	11.538	GFL07-2M □□□160C22	406
	119	2.6	143	2.5	209	2.2	859	12.307	GFL09-2M □□□160C22	406
	112	1.2	135	1.1	198	1.0	908	13.000	GFL07-2M □□□160C22	406
	103	1.2	124	1.1	181	1.0	991	14.200	GFL07-2M □□□160C22	406
	102	2.4	123	2.3	179	2.0	1001	14.333	GFL09-2M □□□160C22	406
	92	1.1	111	1.0	162	0.9	1110	15.904	GFL07-2M □□□160C22	406
	89	2.2	108	2.1	157	1.8	1140	16.333	GFL09-2M □□□160C22	406
	82	1.0	98	0.9			1251	17.920	GFL07-2M □□□160C22	406
	82	3.0	98	2.9	143	2.5	1251	17.920	GFL11-2M □□□160C22	406
	79	1.9	96	1.8	140	1.6	1285	18.407	GFL09-2M □□□160C22	406
	74	1.9	90	1.8	131	1.6	1373	19.667	GFL09-2M □□□160C22	406
	72	2.9	87	2.7	127	2.4	1416	20.286	GFL11-2M □□□160C22	406
	66	1.7	79	1.6	116	1.4	1547	22.164	GFL09-2M □□□160C22	406
	64	2.5	77	2.4	112	2.1	1596	22.857	GFL11-2M □□□160C22	406
	61	1.6	73	1.6	107	1.5	1683	24.111	GFL09-2M □□□160C22	406
	59	2.5	71	2.5	103	2.3	1735	24.850	GFL11-2M □□□160C22	406
	54	1.5	65	1.5	95	1.4	1897	27.173	GFL09-2M □□□160C22	406
	52	2.2	63	2.2	92	2.1	1955	28.000	GFL11-2M □□□160C22	406
	45	2.0	54	2.0	79	1.9	2285	32.739	GFL11-2M □□□160C22	406
	40	1.8	48	1.8	70	1.7	2575	36.889	GFL11-2M □□□160C22	406
	36	1.7	44	1.7	64	1.7	2809	40.233	GFL11-2M □□□160C22	406
	32	1.5	39	1.5	57	1.5	3165	45.333	GFL11-2M □□□160C22	406
	28	2.8	34	2.8	49	2.6	3635	52.067	GFL14-2M □□□160C22	406
	25	2.8	30	2.8	44	2.6	4095	58.667	GFL14-2M □□□160C22	406
	23	1.3	27	1.3	40	1.2	4421	64.296	GFL14-3M □□□160C22	414
	23	2.3	28	2.3	41	2.1	4411	63.190	GFL14-2M □□□160C22	406
	21	1.2	26	1.2	37	1.2	4724	68.708	GFL14-3M □□□160C22	414
	21	2.1	25	2.1	36	2.1	4970	71.200	GFL14-2M □□□160C22	406
	19	1.2	23	1.2	33	1.2	5323	77.418	GFL14-3M □□□160C22	414
	17	1.1	21	1.1	30	1.1	5847	85.037	GFL14-3M □□□160C22	414



50 Hz: P_N=15.0 kW
60 Hz: P_N=18.0 kW
87 Hz: P_N=26.4 kW

n _N	1460 r/min		1760 r/min		2565 r/min		M ₂ [Nm]	i		
f _N	50 Hz		60 Hz		87 Hz					
P _N	15.0 kW		18.0 kW		26.4 kW					
	n ₂ [r/min]	c	n ₂ [r/min]	c	n ₂ [r/min]	c				
	436	2.0	525	1.9	767	1.7	319	3.350	GFL07-2M □□□160C32	406
	315	1.5	379	1.4	554	1.2	442	4.643	GFL07-2M □□□160C32	406
	283	1.7	341	1.6	498	1.5	491	5.159	GFL07-2M □□□160C32	406
	256	1.7	309	1.6	451	1.4	542	5.695	GFL07-2M □□□160C32	406
	228	1.1	275	1.0	402	0.9	609	6.400	GFL07-2M □□□160C32	406
	213	3.2	256	3.0	374	2.7	653	6.864	GFL09-2M □□□160C32	406
	204	1.4	246	1.3	359	1.1	681	7.150	GFL07-2M □□□160C32	406
	196	3.0	236	2.9	344	2.5	711	7.466	GFL09-2M □□□160C32	406
	175	1.3	211	1.2	309	1.1	792	8.324	GFL07-2M □□□160C32	406
	162	2.6	195	2.5	285	2.2	858	9.010	GFL09-2M □□□160C32	406
	156	1.1	188	1.1	274	0.9	893	9.379	GFL07-2M □□□160C32	406
	150	1.1	181	1.0	265	0.9	925	9.714	GFL07-2M □□□160C32	406
	149	2.5	180	2.4	262	2.1	933	9.799	GFL09-2M □□□160C32	406
	131	2.2	158	2.1	230	1.8	1063	11.167	GFL09-2M □□□160C32	406
	127	1.0	153	0.9	223	0.8	1098	11.538	GFL07-2M □□□160C32	406
	119	1.9	143	1.8	209	1.6	1171	12.307	GFL09-2M □□□160C32	406
	117	2.9	141	2.8	206	2.4	1188	12.480	GFL11-2M □□□160C32	406
	112	0.9	135	0.8			1237	13.000	GFL07-2M □□□160C32	406
	103	0.9	124	0.8			1352	14.200	GFL07-2M □□□160C32	406
	102	1.7	123	1.7	179	1.5	1364	14.333	GFL09-2M □□□160C32	406
	100	2.7	121	2.6	177	2.3	1384	14.538	GFL11-2M □□□160C32	406
	92	2.5	111	2.4	162	2.1	1514	15.904	GFL11-2M □□□160C32	406
	89	1.6	108	1.5	157	1.3	1555	16.333	GFL09-2M □□□160C32	406
	82	2.2	98	2.1	143	1.9	1706	17.920	GFL11-2M □□□160C32	406
	79	1.4	96	1.3	140	1.2	1752	18.407	GFL09-2M □□□160C32	406
	74	1.4	90	1.3	131	1.1	1872	19.667	GFL09-2M □□□160C32	406
	72	2.1	87	2.0	127	1.8	1931	20.286	GFL11-2M □□□160C32	406
	66	1.2	79	1.2	116	1.0	2110	22.164	GFL09-2M □□□160C32	406
	64	1.9	77	1.8	112	1.6	2176	22.857	GFL11-2M □□□160C32	406
	61	1.2	73	1.2	107	1.1	2295	24.111	GFL09-2M □□□160C32	406
	59	1.8	71	1.8	103	1.7	2365	24.850	GFL11-2M □□□160C32	406
	54	1.1	65	1.1	95	1.0	2587	27.173	GFL09-2M □□□160C32	406
	52	1.6	63	1.6	92	1.5	2665	28.000	GFL11-2M □□□160C32	406
	45	1.5	54	1.5	79	1.4	3116	32.739	GFL11-2M □□□160C32	406
	45	3.1	54	3.1	80	2.9	3079	32.344	GFL14-2M □□□160C32	406
	40	1.3	48	1.3	70	1.2	3511	36.889	GFL11-2M □□□160C32	406
	40	3.1	48	3.1	71	2.9	3469	36.444	GFL14-2M □□□160C32	406
	37	2.6	44	2.6	65	2.5	3773	39.642	GFL14-2M □□□160C32	406
	36	1.3	44	1.3	64	1.2	3830	40.233	GFL11-2M □□□160C32	406
	33	2.6	39	2.6	58	2.5	4252	44.667	GFL14-2M □□□160C32	406
	32	1.1	39	1.1	57	1.1	4315	45.333	GFL11-2M □□□160C32	406



GFL

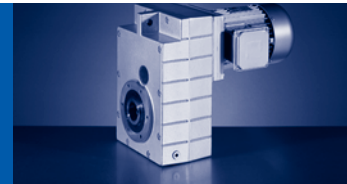
GFL [Nm] - MD□MA (IE1)

50 Hz: $P_N=15.0$ kW

60 Hz: $P_N=18.0$ kW

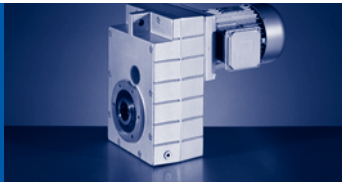
87 Hz: $P_N=26.4$ kW

n _N	1460 r/min		1760 r/min		2565 r/min		M ₂ [Nm]	i		
f _N	50 Hz		60 Hz		87 Hz					
P _N	15.0 kW		18.0 kW		26.4 kW					
	n ₂ [r/min]	c	n ₂ [r/min]	c	n ₂ [r/min]	c				
	28	2.0	34	2.0	49	1.9	4956	52.067	GFL14-2M □□□160C32	406
	25	2.0	30	2.0	44	1.9	5584	58.667	GFL14-2M □□□160C32	406
	23	0.9	27	0.9	40	0.9	6028	64.296	GFL14-3M □□□160C32	414
	23	1.7	28	1.7	41	1.6	6015	63.190	GFL14-2M □□□160C32	406
	21	0.8	26	0.8	37	0.8	6442	68.708	GFL14-3M □□□160C32	414
	21	1.6	25	1.6	36	1.6	6777	71.200	GFL14-2M □□□160C32	406
	19	0.8	23	0.8	33	0.8	7259	77.418	GFL14-3M □□□160C32	414



50 Hz: P_N=18.5 kW
60 Hz: P_N=22.2 kW
87 Hz: P_N=32.4 kW

n _N	1470 r/min		1770 r/min		2575 r/min		M ₂ [Nm]	i		
f _N	50 Hz		60 Hz		87 Hz					
P _N	18.5 kW		22.2 kW		32.4 kW					
	n ₂ [r/min]	c	n ₂ [r/min]	c	n ₂ [r/min]	c				
	214	2.6	258	2.5	376	2.2	800	6.864	GFL09-2M □□□180C12	406
	214	2.8	258	2.7	376	2.3	800	6.864	GFL11-2M □□□180C12	406
	197	2.5	237	2.3	346	2.1	871	7.466	GFL09-2M □□□180C12	406
	197	2.8	237	2.7	346	2.3	871	7.466	GFL11-2M □□□180C12	406
	167	2.8	201	2.7	293	2.3	1026	8.800	GFL14-2M □□□180C12	406
	163	2.1	197	2.0	286	1.8	1051	9.010	GFL09-2M □□□180C12	406
	163	2.8	197	2.7	286	2.3	1051	9.010	GFL11-2M □□□180C12	406
	154	2.8	185	2.7	270	2.3	1116	9.571	GFL14-2M □□□180C12	406
	150	2.0	181	1.9	263	1.7	1143	9.799	GFL09-2M □□□180C12	406
	150	2.8	181	2.7	263	2.3	1143	9.799	GFL11-2M □□□180C12	406
	137	2.8	165	2.7	241	2.3	1250	10.720	GFL11-2M □□□180C12	406
	132	1.8	159	1.7	231	1.5	1302	11.167	GFL09-2M □□□180C12	406
	119	1.6	144	1.5	210	1.3	1435	12.307	GFL09-2M □□□180C12	406
	118	2.4	142	2.3	207	2.0	1455	12.480	GFL11-2M □□□180C12	406
	104	2.8	125	2.7	182	2.3	1656	14.200	GFL14-2M □□□180C12	406
	103	1.4	124	1.3	180	1.2	1671	14.333	GFL09-2M □□□180C12	406
	101	2.2	122	2.1	178	1.8	1695	14.538	GFL11-2M □□□180C12	406
	94	2.8	113	2.7	165	2.3	1821	15.620	GFL14-2M □□□180C12	406
	92	2.1	111	1.9	162	1.7	1854	15.904	GFL11-2M □□□180C12	406
	90	1.3	108	1.2	158	1.1	1905	16.333	GFL09-2M □□□180C12	406
	84	2.8	101	2.7	147	2.3	2052	17.600	GFL14-2M □□□180C12	406
	82	1.8	99	1.7	144	1.5	2090	17.920	GFL11-2M □□□180C12	406
	80	1.2	96	1.1	140	1.0	2146	18.407	GFL09-2M □□□180C12	406
	75	1.1	90	1.1	131	0.9	2293	19.667	GFL09-2M □□□180C12	406
	74	2.8	89	2.7	129	2.3	2326	19.948	GFL14-2M □□□180C12	406
	73	1.7	87	1.6	127	1.4	2365	20.286	GFL11-2M □□□180C12	406
	66	1.0	80	1.0	116	0.8	2584	22.164	GFL09-2M □□□180C12	406
	65	2.8	79	2.7	115	2.3	2621	22.476	GFL14-2M □□□180C12	406
	64	1.5	77	1.4	113	1.3	2665	22.857	GFL11-2M □□□180C12	406
	61	1.0	73	1.0	107	0.9	2811	24.111	GFL09-2M □□□180C12	406
	60	2.7	72	2.7	106	2.5	2852	24.456	GFL14-2M □□□180C12	406
	59	1.5	71	1.5	104	1.4	2898	24.850	GFL11-2M □□□180C12	406
	54	0.9	65	0.9	95	0.8	3168	27.173	GFL09-2M □□□180C12	406
	53	1.3	63	1.3	92	1.2	3265	28.000	GFL11-2M □□□180C12	406
	53	2.7	64	2.7	94	2.5	3213	27.556	GFL14-2M □□□180C12	406
	45	1.2	54	1.2	79	1.1	3817	32.739	GFL11-2M □□□180C12	406
	45	2.1	55	2.1	80	2.0	3771	32.344	GFL14-2M □□□180C12	406
	40	1.1	48	1.1	70	1.0	4301	36.889	GFL11-2M □□□180C12	406
	40	2.1	49	2.1	71	2.0	4249	36.444	GFL14-2M □□□180C12	406
	37	1.0	44	1.0	64	1.0	4691	40.233	GFL11-2M □□□180C12	406
	37	1.8	45	1.8	65	1.7	4622	39.642	GFL14-2M □□□180C12	406



GFL

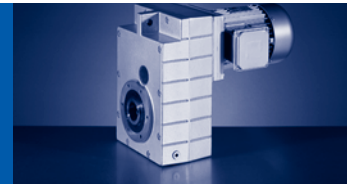
GFL [Nm] - MD□MA (IE1)

50 Hz: $P_N=18.5$ kW

60 Hz: $P_N=22.2$ kW

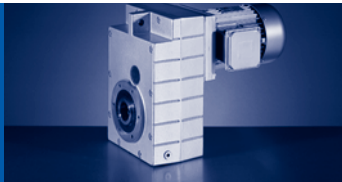
87 Hz: $P_N=32.4$ kW

n _N	1470 r/min		1770 r/min		2575 r/min		M ₂ [Nm]	i		
f _N	50 Hz		60 Hz		87 Hz					
P _N	18.5 kW		22.2 kW		32.4 kW					
	n ₂ [r/min]	c	n ₂ [r/min]	c	n ₂ [r/min]	c				
	33	1.8	40	1.8	58	1.7	5 208	44.667	GFL14-2M □□□180C12	406
	32	0.9	39	0.9	57	0.9	5 286	45.333	GFL11-2M □□□180C12	406
	28	1.4	34	1.4	50	1.4	6 071	52.067	GFL14-2M □□□180C12	406
	25	1.4	30	1.4	44	1.4	6 841	58.667	GFL14-2M □□□180C12	406
	23	1.2	28	1.2	41	1.1	7 368	63.190	GFL14-2M □□□180C12	406
	21	1.2	25	1.2	36	1.2	8 302	71.200	GFL14-2M □□□180C12	406



50 Hz: P_N=22.0 kW
60 Hz: P_N=26.4 kW
87 Hz: P_N=38.7 kW

n _N	1465 r/min		1765 r/min		2560 r/min		M ₂ [Nm]	i		
f _N	50 Hz		60 Hz		87 Hz					
P _N	22.0 kW		26.4 kW		38.7 kW					
	n ₂ [r/min]	c	n ₂ [r/min]	c	n ₂ [r/min]	c				
	213	2.2	257	2.1	375	1.8	955	6.864	GFL09-2M □□□180C32	406
	213	3.1	257	2.9	375	2.6	955	6.864	GFL11-2M □□□180C32	406
	196	2.1	236	2.0	345	1.7	1039	7.466	GFL09-2M □□□180C32	406
	196	3.1	236	2.9	345	2.6	1039	7.466	GFL11-2M □□□180C32	406
	167	3.2	201	3.0	293	2.6	1224	8.800	GFL14-2M □□□180C32	406
	163	1.8	196	1.7	286	1.5	1254	9.010	GFL09-2M □□□180C32	406
	163	2.9	196	2.7	286	2.4	1254	9.010	GFL11-2M □□□180C32	406
	153	3.2	184	3.0	269	2.6	1332	9.571	GFL14-2M □□□180C32	406
	150	1.7	180	1.6	263	1.4	1363	9.799	GFL09-2M □□□180C32	406
	150	2.8	180	2.6	263	2.3	1363	9.799	GFL11-2M □□□180C32	406
	137	2.6	165	2.4	240	2.1	1492	10.720	GFL11-2M □□□180C32	406
	131	1.5	158	1.4	231	1.2	1554	11.167	GFL09-2M □□□180C32	406
	119	1.3	143	1.2	209	1.1	1712	12.307	GFL09-2M □□□180C32	406
	117	2.0	141	1.9	206	1.7	1736	12.480	GFL11-2M □□□180C32	406
	103	3.2	124	3.0	181	2.6	1976	14.200	GFL14-2M □□□180C32	406
	102	1.2	123	1.1	180	1.0	1994	14.333	GFL09-2M □□□180C32	406
	101	1.8	121	1.7	177	1.5	2023	14.538	GFL11-2M □□□180C32	406
	94	3.1	113	2.9	165	2.6	2173	15.620	GFL14-2M □□□180C32	406
	92	1.7	111	1.6	162	1.4	2213	15.904	GFL11-2M □□□180C32	406
	90	1.1	108	1.0	158	0.9	2273	16.333	GFL09-2M □□□180C32	406
	83	3.1	100	2.9	146	2.6	2449	17.600	GFL14-2M □□□180C32	406
	82	1.5	99	1.4	144	1.3	2493	17.920	GFL11-2M □□□180C32	406
	80	1.0	96	0.9	140	0.8	2561	18.407	GFL09-2M □□□180C32	406
	75	0.9	90	0.9			2736	19.667	GFL09-2M □□□180C32	406
	73	2.9	89	2.7	129	2.4	2775	19.948	GFL14-2M □□□180C32	406
	72	1.4	87	1.4	127	1.2	2822	20.286	GFL11-2M □□□180C32	406
	66	0.9	80	0.8			3084	22.164	GFL09-2M □□□180C32	406
	65	2.9	79	2.7	115	2.4	3127	22.476	GFL14-2M □□□180C32	406
	64	1.3	77	1.2	113	1.1	3180	22.857	GFL11-2M □□□180C32	406
	61	0.8	73	0.8			3355	24.111	GFL09-2M □□□180C32	406
	60	2.6	72	2.6	105	2.5	3403	24.456	GFL14-2M □□□180C32	406
	59	1.2	71	1.2	104	1.2	3457	24.850	GFL11-2M □□□180C32	406
	53	2.6	64	2.6	93	2.5	3834	27.556	GFL14-2M □□□180C32	406
	52	1.1	63	1.1	92	1.0	3896	28.000	GFL11-2M □□□180C32	406
	45	1.0	54	1.0	79	1.0	4555	32.739	GFL11-2M □□□180C32	406
	45	2.1	55	2.1	80	2.0	4500	32.344	GFL14-2M □□□180C32	406
	40	0.9	48	0.9	70	0.9	5132	36.889	GFL11-2M □□□180C32	406
	40	2.1	48	2.1	71	2.0	5071	36.444	GFL14-2M □□□180C32	406
	37	1.8	45	1.8	65	1.7	5515	39.642	GFL14-2M □□□180C32	406
	36	0.9	44	0.9	64	0.8	5598	40.233	GFL11-2M □□□180C32	406
	33	1.8	40	1.8	58	1.7	6215	44.667	GFL14-2M □□□180C32	406



GFL

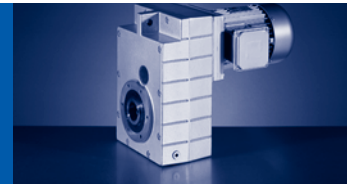
GFL [Nm] - MD□MA (IE1)

50 Hz: $P_N=22.0$ kW

60 Hz: $P_N=26.4$ kW

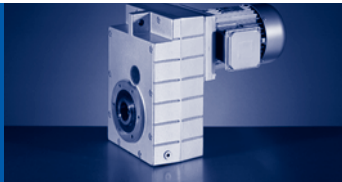
87 Hz: $P_N=38.7$ kW

n _N	1465 r/min		1765 r/min		2560 r/min		M ₂ [Nm]	i		
f _N	50 Hz		60 Hz		87 Hz					
P _N	22.0 kW		26.4 kW		38.7 kW					
	n ₂ [r/min]	c	n ₂ [r/min]	c	n ₂ [r/min]	c				
	28	1.4	34	1.4	50	1.3	7244	52.067	GFL14-2M □□□180C32	406
	25	1.4	30	1.4	44	1.3	8162	58.667	GFL14-2M □□□180C32	406
	23	1.1	28	1.1	41	1.1	8792	63.190	GFL14-2M □□□180C32	406
	21	1.1	25	1.1	36	1.1	9906	71.200	GFL14-2M □□□180C32	406



50 Hz: P_N=30.0 kW
60 Hz: P_N=36.0 kW
87 Hz: P_N=52.7 kW

n _N	1465 r/min		1765 r/min		2565 r/min		M ₂ [Nm]	i		
f _N	50 Hz		60 Hz		87 Hz					
P _N	30.0 kW		36.0 kW		52.7 kW					
	n ₂ [r/min]	c	n ₂ [r/min]	c	n ₂ [r/min]	c				
	213	1.6	257	1.5			1302	6.864	GFL09-2M □□□180C42	406
	213	2.3	257	2.2			1302	6.864	GFL11-2M □□□180C42	406
	196	1.5	236	1.4			1416	7.466	GFL09-2M □□□180C42	406
	196	2.3	236	2.2			1416	7.466	GFL11-2M □□□180C42	406
	167	2.3	201	2.2			1670	8.800	GFL14-2M □□□180C42	406
	163	1.3	196	1.2			1709	9.010	GFL09-2M □□□180C42	406
	163	2.1	196	2.0			1709	9.010	GFL11-2M □□□180C42	406
	153	2.3	184	2.2			1816	9.571	GFL14-2M □□□180C42	406
	150	1.2	180	1.2			1859	9.799	GFL09-2M □□□180C42	406
	150	2.0	180	1.9			1859	9.799	GFL11-2M □□□180C42	406
	137	1.9	165	1.8			2034	10.720	GFL11-2M □□□180C42	406
	131	1.1	158	1.0			2119	11.167	GFL09-2M □□□180C42	406
	119	1.0	143	0.9			2335	12.307	GFL09-2M □□□180C42	406
	117	1.5	141	1.4			2368	12.480	GFL11-2M □□□180C42	406
	103	2.3	124	2.2			2694	14.200	GFL14-2M □□□180C42	406
	102	0.9	123	0.8			2719	14.333	GFL09-2M □□□180C42	406
	101	1.4	121	1.3			2758	14.538	GFL11-2M □□□180C42	406
	94	2.3	113	2.2			2964	15.620	GFL14-2M □□□180C42	406
	92	1.3	111	1.2			3017	15.904	GFL11-2M □□□180C42	406
	83	2.3	100	2.2			3339	17.600	GFL14-2M □□□180C42	406
	82	1.1	99	1.1			3400	17.920	GFL11-2M □□□180C42	406
	73	2.1	89	2.0			3785	19.948	GFL14-2M □□□180C42	406
	72	1.1	87	1.0			3849	20.286	GFL11-2M □□□180C42	406
	65	2.1	79	2.0			4264	22.476	GFL14-2M □□□180C42	406
	64	0.9	77	0.9			4337	22.857	GFL11-2M □□□180C42	406
	60	1.9	72	1.9			4640	24.456	GFL14-2M □□□180C42	406
	59	0.9	71	0.9			4715	24.850	GFL11-2M □□□180C42	406
	53	1.9	64	1.9			5228	27.556	GFL14-2M □□□180C42	406
	52	0.8	63	0.8			5312	28.000	GFL11-2M □□□180C42	406
	45	1.5	55	1.5			6137	32.344	GFL14-2M □□□180C42	406
	40	1.5	48	1.5			6915	36.444	GFL14-2M □□□180C42	406
	37	1.3	45	1.3			7521	39.642	GFL14-2M □□□180C42	406
	33	1.3	40	1.3			8474	44.667	GFL14-2M □□□180C42	406
	28	1.0	34	1.0			9878	52.067	GFL14-2M □□□180C42	406
	25	1.0	30	1.0			11131	58.667	GFL14-2M □□□180C42	406
	23	0.8	28	0.8			11989	63.190	GFL14-2M □□□180C42	406



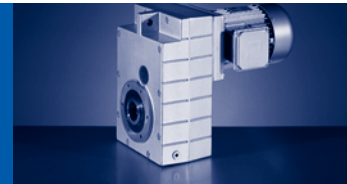
GFL

GFL [Nm] - MD□MA (IE1)

50 Hz: P_N=37.0 kW

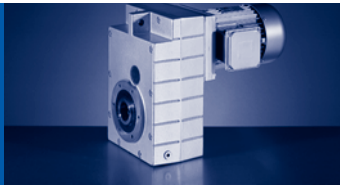
60 Hz: P_N=45.0 kW

n _N	1475 r/min		1770 r/min				M ₂ [Nm]	i		
f _N	50 Hz		60 Hz							
P _N	37.0 kW		45.0 kW							
	n ₂ [r/min]	c	n ₂ [r/min]	c						
	215	2.1	258	2.0			1595	6.864	GFL11-2M □□□225C12	406
	198	2.0	237	1.9			1735	7.466	GFL11-2M □□□225C12	406
	168	3.1	201	3.0			2045	8.800	GFL14-2M □□□225C12	406
	164	1.8	197	1.7			2094	9.010	GFL11-2M □□□225C12	406
	154	3.1	185	3.0			2225	9.571	GFL14-2M □□□225C12	406
	151	1.7	181	1.6			2278	9.799	GFL11-2M □□□225C12	406
	138	1.5	165	1.5			2491	10.720	GFL11-2M □□□225C12	406
	128	3.1	153	2.9			2681	11.538	GFL14-2M □□□225C12	406
	118	1.2	142	1.1			2901	12.480	GFL11-2M □□□225C12	406
	114	2.8	136	2.7			3021	13.000	GFL14-2M □□□225C12	406
	104	2.7	125	2.5			3300	14.200	GFL14-2M □□□225C12	406
	102	1.1	122	1.0			3379	14.538	GFL11-2M □□□225C12	406
	94	2.5	113	2.4			3630	15.620	GFL14-2M □□□225C12	406
	93	1.0	111	1.0			3696	15.904	GFL11-2M □□□225C12	406
	84	2.3	101	2.1			4090	17.600	GFL14-2M □□□225C12	406
	82	0.9	99	0.9			4165	17.920	GFL11-2M □□□225C12	406
	74	2.1	89	2.0			4636	19.948	GFL14-2M □□□225C12	406
	73	0.9	87	0.8			4715	20.286	GFL11-2M □□□225C12	406
	66	1.9	79	1.8			5224	22.476	GFL14-2M □□□225C12	406
	60	1.8	72	1.8			5684	24.456	GFL14-2M □□□225C12	406
	54	1.6	64	1.6			6404	27.556	GFL14-2M □□□225C12	406
	46	1.5	55	1.5			7517	32.344	GFL14-2M □□□225C12	406
	41	1.3	49	1.3			8470	36.444	GFL14-2M □□□225C12	406



50 Hz: P_N=45.0 kW
60 Hz: P_N=54.0 kW

n _N	1480 r/min		1775 r/min				M ₂ [Nm]	i		
f _N	50 Hz		60 Hz							
P _N	45.0 kW		54.0 kW							
	n ₂ [r/min]	c	n ₂ [r/min]	c						
	216	1.7	259	1.6			1934	6.864	GFL11-2M □□□225C22	406
	207	2.7	248	2.6			2014	7.150	GFL14-2M □□□225C22	406
	198	1.7	238	1.6			2103	7.466	GFL11-2M □□□225C22	406
	190	2.7	228	2.6			2191	7.777	GFL14-2M □□□225C22	406
	168	2.6	202	2.5			2479	8.800	GFL14-2M □□□225C22	406
	164	1.5	197	1.4			2538	9.010	GFL11-2M □□□225C22	406
	155	2.6	186	2.5			2696	9.571	GFL14-2M □□□225C22	406
	151	1.4	181	1.3			2761	9.799	GFL11-2M □□□225C22	406
	138	1.3	166	1.2			3020	10.720	GFL11-2M □□□225C22	406
	128	2.5	154	2.4			3250	11.538	GFL14-2M □□□225C22	406
	119	1.0	142	0.9			3516	12.480	GFL11-2M □□□225C22	406
	114	2.3	137	2.2			3662	13.000	GFL14-2M □□□225C22	406
	104	2.2	125	2.1			4000	14.200	GFL14-2M □□□225C22	406
	102	0.9	122	0.9			4096	14.538	GFL11-2M □□□225C22	406
	95	2.1	114	2.0			4400	15.620	GFL14-2M □□□225C22	406
	93	0.9	112	0.8			4480	15.904	GFL11-2M □□□225C22	406
	84	1.9	101	1.8			4958	17.600	GFL14-2M □□□225C22	406
	74	1.8	89	1.7			5619	19.948	GFL14-2M □□□225C22	406
	66	1.6	79	1.5			6332	22.476	GFL14-2M □□□225C22	406
	61	1.5	73	1.5			6889	24.456	GFL14-2M □□□225C22	406
	54	1.4	65	1.4			7763	27.556	GFL14-2M □□□225C22	406
	46	1.2	55	1.2			9112	32.344	GFL14-2M □□□225C22	406
	41	1.1	49	1.1			10267	36.444	GFL14-2M □□□225C22	406



GFL

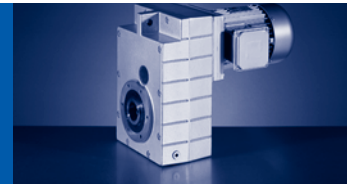
GFL [Nm] - MH□MA (IE2)

50 Hz: P_N=0.75 kW

60 Hz: P_N=0.92 kW

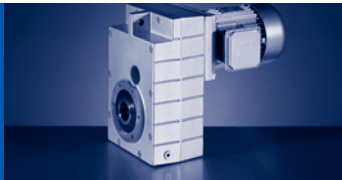
87 Hz: P_N=1.35 kW

n _N	1410 r/min		1710 r/min		2520 r/min		M ₂ [Nm]	i		
f _N	50 Hz		60 Hz		87 Hz					
P _N	0.75 kW		0.92 kW		1.35 kW					
	n ₂ [r/min]	c	n ₂ [r/min]	c	n ₂ [r/min]	c				
	385	4.2	467	4.0	689	3.5	18	3.659	GFL04-2M □□□080C32	422
	281	4.2	341	4.0	502	3.5	25	5.018	GFL04-2M □□□080C32	422
	242	4.2	293	4.0	432	3.5	29	5.833	GFL04-2M □□□080C32	422
	220	3.6	266	3.4	392	3.0	32	6.422	GFL04-2M □□□080C32	422
	201	3.3	243	3.1	359	2.7	35	7.025	GFL04-2M □□□080C32	422
	168	4.2	204	4.0	301	3.5	41	8.379	GFL04-2M □□□080C32	422
	151	3.6	183	3.4	270	3.0	46	9.333	GFL04-2M □□□080C32	422
	138	3.2	167	3.0	246	2.7	51	10.238	GFL04-2M □□□080C32	422
	123	3.2	149	3.1	219	2.7	57	11.491	GFL04-2M □□□080C32	422
	110	2.6	134	2.5	197	2.2	63	12.800	GFL04-2M □□□080C32	422
	96	2.5	116	2.4	171	2.1	73	14.706	GFL04-2M □□□080C32	422
	88	2.3	106	2.2	157	1.9	79	16.087	GFL04-2M □□□080C32	422
	79	1.9	95	1.8	141	1.6	88	17.920	GFL04-2M □□□080C32	422
	69	1.8	83	1.7	123	1.5	101	20.519	GFL04-2M □□□080C32	422
	62	1.5	75	1.4	110	1.3	113	22.857	GFL04-2M □□□080C32	422
	62	2.8	75	2.7	110	2.3	113	22.857	GFL05-2M □□□080C32	422
	57	2.8	69	2.8	101	2.7	123	24.850	GFL05-2M □□□080C32	422
	56	1.5	68	1.5	100	1.4	124	25.136	GFL04-2M □□□080C32	422
	50	1.2	61	1.2	90	1.2	138	28.000	GFL04-2M □□□080C32	422
	50	2.3	61	2.3	90	2.2	138	28.000	GFL05-2M □□□080C32	422
	45	1.2	54	1.2	80	1.1	156	31.600	GFL04-2M □□□080C32	422
	44	2.2	53	2.2	78	2.1	159	32.344	GFL05-2M □□□080C32	422
	40	1.0	49	1.0	72	0.9	174	35.200	GFL04-2M □□□080C32	422
	39	1.8	47	1.8	69	1.7	180	36.444	GFL05-2M □□□080C32	422
	35	0.9	42	0.9	62	0.9	201	40.697	GFL04-2M □□□080C32	422
	35	1.7	43	1.7	63	1.7	198	40.233	GFL05-2M □□□080C32	422
	35	2.9	42	2.9	62	2.8	201	40.800	GFL06-2M □□□080C32	422
	31	1.4	38	1.4	56	1.4	223	45.333	GFL05-2M □□□080C32	422
	31	2.7	37	2.7	55	2.6	227	45.963	GFL06-2M □□□080C32	422
	27	1.2	33	1.2	48	1.2	257	52.067	GFL05-2M □□□080C32	422
	27	2.5	32	2.5	48	2.4	260	52.800	GFL06-2M □□□080C32	422
	27	2.9	33	2.9	48	2.8	257	52.067	GFL07-2M □□□080C32	422
	24	1.1	29	1.1	43	1.1	289	58.667	GFL05-2M □□□080C32	422
	24	2.1	29	2.1	42	2.0	293	59.481	GFL06-2M □□□080C32	422
	24	2.9	29	2.9	43	2.8	289	58.667	GFL07-2M □□□080C32	422
	22	0.9	27	0.9	40	0.9	311	63.190	GFL05-2M □□□080C32	422
	22	1.8	27	1.8	39	1.7	316	64.080	GFL06-2M □□□080C32	422
	22	2.5	27	2.5	40	2.4	311	63.190	GFL07-2M □□□080C32	422
	22	2.8	26	2.8	39	2.8	317	65.306	GFL07-3M □□□080C32	430
	21	1.5	26	1.5	38	1.5	321	66.213	GFL06-3M □□□080C32	430
	20	0.9	24	0.9	35	0.9	351	71.200	GFL05-2M □□□080C32	422



50 Hz: P_N=0.75 kW
60 Hz: P_N=0.92 kW
87 Hz: P_N=1.35 kW

n _N	1410 r/min		1710 r/min		2520 r/min		M ₂ [Nm]	i		
f _N	50 Hz		60 Hz		87 Hz					
P _N	0.75 kW		0.92 kW		1.35 kW					
	n ₂ [r/min]	c	n ₂ [r/min]	c	n ₂ [r/min]	c				
	20	1.4	24	1.4	35	1.4	350	72.000	GFL06-3M □□□080C32	430
	20	1.7	24	1.7	35	1.7	356	72.189	GFL06-2M □□□080C32	422
	20	2.5	24	2.5	35	2.5	351	71.200	GFL07-2M □□□080C32	422
	20	2.5	24	2.5	35	2.5	352	72.452	GFL07-3M □□□080C32	430
	18	2.0	21	2.0	32	2.0	394	79.875	GFL07-2M □□□080C32	422
	17	1.1	21	1.1	31	1.1	399	81.000	GFL06-2M □□□080C32	422
	17	1.3	21	1.3	31	1.3	394	81.111	GFL06-3M □□□080C32	430
	17	2.5	21	2.5	31	2.5	396	81.636	GFL07-3M □□□080C32	430
	16	1.1	19	1.1	29	1.1	428	88.200	GFL06-3M □□□080C32	430
	16	1.1	19	1.1	28	1.1	450	91.250	GFL06-2M □□□080C32	422
	16	2.0	19	2.0	28	2.0	444	90.000	GFL07-2M □□□080C32	422
	15	2.1	19	2.1	27	2.1	449	92.413	GFL07-3M □□□080C32	430
	14	1.1	17	1.1	25	1.1	482	99.361	GFL06-3M □□□080C32	430
	14	2.1	16	2.1	24	2.1	506	104.127	GFL07-3M □□□080C32	430
	13	1.9	15	1.9	22	1.9	550	113.206	GFL07-3M □□□080C32	430
	12	0.9	15	0.9	22	0.9	566	116.571	GFL06-3M □□□080C32	430
	11	0.9	13	0.9	19	0.9	638	131.323	GFL06-3M □□□080C32	430
	11	1.9	13	1.9	20	1.9	619	127.556	GFL07-3M □□□080C32	430
	9.6	1.6	12	1.6	17	1.6	715	147.347	GFL07-3M □□□080C32	430
	9.5	2.8	12	2.8	17	2.8	722	148.815	GFL09-3M □□□080C32	430
	8.5	1.6	10	1.6	15	1.6	806	166.025	GFL07-3M □□□080C32	430
	8.4	2.8	10	2.8	15	2.8	814	167.712	GFL09-3M □□□080C32	430
	7.7	1.4	9.3	1.4	14	1.4	890	183.285	GFL07-3M □□□080C32	430
	7.6	2.5	9.2	2.5	14	2.5	899	185.111	GFL09-3M □□□080C32	430
	6.8	1.2	8.3	1.2	12	1.2	1003	206.519	GFL07-3M □□□080C32	430
	6.8	2.5	8.2	2.5	12	2.5	1013	208.617	GFL09-3M □□□080C32	430
	6.3	1.2	7.6	1.2	11	1.2	1090	224.636	GFL07-3M □□□080C32	430
	6.3	2.2	7.6	2.2	11	2.2	1091	224.778	GFL09-3M □□□080C32	430
	5.6	1.0	6.8	1.0	10	1.0	1229	253.111	GFL07-3M □□□080C32	430
	5.6	2.2	6.8	2.2	10	2.2	1230	253.321	GFL09-3M □□□080C32	430
	4.9	1.0	5.9	1.0	8.7	1.0	1411	290.706	GFL07-3M □□□080C32	430
	4.9	1.9	5.9	1.9	8.7	1.9	1412	290.889	GFL09-3M □□□080C32	430
	4.3	1.9	5.2	1.9	7.7	1.9	1591	327.827	GFL09-3M □□□080C32	430
	4	0.8	4.9	0.8	7.1	0.8	1713	352.811	GFL07-3M □□□080C32	430
	4	1.6	4.8	1.6	7.1	1.6	1714	353.033	GFL09-3M □□□080C32	430
	3.9	2.5	4.8	2.5	7	2.5	1738	358.077	GFL11-3M □□□080C32	430
	3.5	1.6	4.3	1.6	6.3	1.6	1931	397.863	GFL09-3M □□□080C32	430
	3.5	2.5	4.2	2.5	6.3	2.5	1959	403.467	GFL11-3M □□□080C32	430
	3.3	1.3	4	1.3	5.9	1.3	2059	424.247	GFL09-3M □□□080C32	430
	3.3	2.9	4	2.9	5.9	2.9	2088	430.222	GFL11-3M □□□080C32	430
	2.7	1.1	3.3	1.1	4.9	1.1	2499	514.881	GFL09-3M □□□080C32	430



GFL

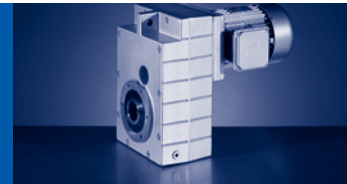
GFL [Nm] - MH□MA (IE2)

50 Hz: $P_N=0.75$ kW

60 Hz: $P_N=0.92$ kW

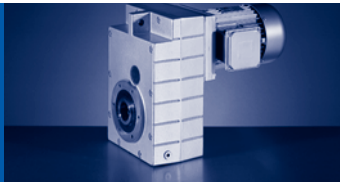
87 Hz: $P_N=1.35$ kW

n _N	1410 r/min		1710 r/min		2520 r/min		M ₂ [Nm]	i		
f _N	50 Hz		60 Hz		87 Hz					
P _N	0.75 kW		0.92 kW		1.35 kW					
	n ₂ [r/min]	c	n ₂ [r/min]	c	n ₂ [r/min]	c				
	2.7	2.3	3.3	2.3	4.8	2.3	2535	522.133	GFL11-3M □□□080C32	430
	2.5	2.0	3	2.0	4.5	2.0	2730	562.391	GFL11-3M □□□080C32	430
	2.2	1.9	2.7	1.9	4	1.9	3076	633.680	GFL11-3M □□□080C32	430
	1.8	1.5	2.1	1.5	3.2	1.5	3888	801.000	GFL11-3M □□□080C32	430



50 Hz: P_N=1.1 kW
60 Hz: P_N=1.3 kW
87 Hz: P_N=2.0 kW

n _N	1430 r/min		1730 r/min		2540 r/min		M ₂ [Nm]	i		
f _N	50 Hz		60 Hz		87 Hz					
P _N	1.1 kW		1.3 kW		2.0 kW					
	n ₂ [r/min]	c	n ₂ [r/min]	c	n ₂ [r/min]	c				
	391	4.2	473	4.0	694	3.5	26	3.659	GFL04-2M □□□090C12	426
	313	5.2	378	5.0	556	4.4	33	4.571	GFL05-2M □□□090C12	422
	285	3.1	345	3.0	506	2.6	36	5.018	GFL04-2M □□□090C12	426
	245	3.7	297	3.5	435	3.1	42	5.833	GFL04-2M □□□090C12	426
	223	2.5	269	2.3	396	2.1	46	6.422	GFL04-2M □□□090C12	426
	204	2.3	246	2.2	362	1.9	50	7.025	GFL04-2M □□□090C12	426
	171	3.0	207	2.9	303	2.5	60	8.379	GFL04-2M □□□090C12	426
	153	2.5	185	2.4	272	2.1	67	9.333	GFL04-2M □□□090C12	426
	140	2.2	169	2.1	248	1.8	73	10.238	GFL04-2M □□□090C12	426
	124	2.2	151	2.1	221	1.9	82	11.491	GFL04-2M □□□090C12	426
	112	1.8	135	1.7	198	1.5	91	12.800	GFL04-2M □□□090C12	426
	112	3.1	135	3.0	198	2.6	91	12.800	GFL05-2M □□□090C12	422
	98	2.9	119	2.8	175	2.4	104	14.538	GFL05-2M □□□090C12	422
	97	1.7	118	1.7	173	1.5	105	14.706	GFL04-2M □□□090C12	426
	90	2.7	109	2.6	160	2.3	113	15.904	GFL05-2M □□□090C12	422
	89	1.6	108	1.5	158	1.3	115	16.087	GFL04-2M □□□090C12	426
	80	1.3	97	1.3	142	1.1	128	17.920	GFL04-2M □□□090C12	426
	80	2.4	97	2.3	142	2.1	128	17.920	GFL05-2M □□□090C12	422
	71	2.3	85	2.2	125	1.9	145	20.286	GFL05-2M □□□090C12	422
	70	1.3	84	1.2	124	1.1	146	20.519	GFL04-2M □□□090C12	426
	63	1.0	76	1.0	111	0.9	163	22.857	GFL04-2M □□□090C12	426
	63	1.9	76	1.8	111	1.6	163	22.857	GFL05-2M □□□090C12	422
	58	1.9	70	1.9	102	1.9	177	24.850	GFL05-2M □□□090C12	422
	57	1.0	69	1.0	101	1.0	179	25.136	GFL04-2M □□□090C12	426
	51	0.8	62	0.8	91	0.8	200	28.000	GFL04-2M □□□090C12	426
	51	1.6	62	1.6	91	1.5	200	28.000	GFL05-2M □□□090C12	422
	50	3.0	61	3.0	90	2.9	202	28.389	GFL06-2M □□□090C12	422
	44	1.5	54	1.5	79	1.4	231	32.344	GFL05-2M □□□090C12	422
	44	2.7	53	2.7	77	2.6	234	32.800	GFL06-2M □□□090C12	422
	39	1.2	48	1.2	70	1.2	260	36.444	GFL05-2M □□□090C12	422
	39	2.3	47	2.3	69	2.2	263	36.951	GFL06-2M □□□090C12	422
	36	1.2	43	1.2	63	1.2	287	40.233	GFL05-2M □□□090C12	422
	35	2.3	42	2.3	62	2.2	291	40.800	GFL06-2M □□□090C12	422
	32	1.0	38	1.0	56	0.9	323	45.333	GFL05-2M □□□090C12	422
	31	1.9	38	1.9	55	1.8	328	45.963	GFL06-2M □□□090C12	422
	27	1.8	33	1.8	48	1.7	376	52.800	GFL06-2M □□□090C12	422
	24	1.5	29	1.5	43	1.4	424	59.481	GFL06-2M □□□090C12	422
	24	3.0	30	3.0	43	2.9	418	58.667	GFL07-2M □□□090C12	422
	23	2.8	27	2.8	40	2.6	450	63.190	GFL07-2M □□□090C12	422
	22	1.1	26	1.1	38	1.1	465	66.213	GFL06-3M □□□090C12	430
	22	1.3	27	1.3	40	1.2	457	64.080	GFL06-2M □□□090C12	422



GFL

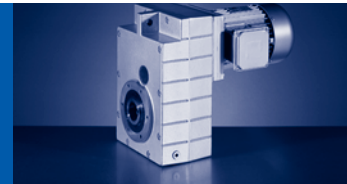
GFL [Nm] - MH□MA (IE2)

50 Hz: P_N=1.1 kW

60 Hz: P_N=1.3 kW

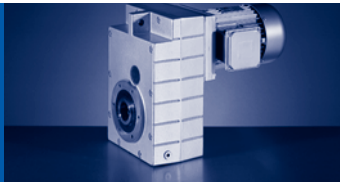
87 Hz: P_N=2.0 kW

n _N	1430 r/min		1730 r/min		2540 r/min		M ₂ [Nm]	i		
f _N	50 Hz		60 Hz		87 Hz					
P _N	1.1 kW		1.3 kW		2.0 kW					
	n ₂ [r/min]	c	n ₂ [r/min]	c	n ₂ [r/min]	c				
	22	1.9	27	1.9	39	1.9	458	65.306	GFL07-3M □□□090C12	430
	20	1.0	24	1.0	35	1.0	505	72.000	GFL06-3M □□□090C12	430
	20	1.2	24	1.2	35	1.2	515	72.189	GFL06-2M □□□090C12	422
	20	1.7	24	1.7	35	1.7	509	72.452	GFL07-3M □□□090C12	430
	20	2.5	24	2.5	36	2.5	507	71.200	GFL07-2M □□□090C12	422
	20	3.0	24	3.0	35	3.0	514	73.173	GFL09-3M □□□090C12	430
	18	0.9	21	0.9	31	0.9	569	81.111	GFL06-3M □□□090C12	430
	18	1.5	22	1.5	32	1.5	569	79.875	GFL07-2M □□□090C12	422
	18	1.7	21	1.7	31	1.7	573	81.636	GFL07-3M □□□090C12	430
	18	2.7	22	2.7	32	2.7	561	78.750	GFL09-2M □□□090C12	422
	17	3.0	21	3.0	31	3.0	579	82.465	GFL09-3M □□□090C12	430
	16	1.5	19	1.5	28	1.5	649	92.413	GFL07-3M □□□090C12	430
	16	1.5	19	1.5	28	1.5	641	90.000	GFL07-2M □□□090C12	422
	16	2.7	20	2.7	29	2.7	633	88.750	GFL09-2M □□□090C12	422
	15	2.6	19	2.6	27	2.6	655	93.333	GFL09-3M □□□090C12	430
	14	1.5	17	1.5	24	1.5	731	104.127	GFL07-3M □□□090C12	430
	14	2.6	16	2.6	24	2.6	738	105.185	GFL09-3M □□□090C12	430
	13	1.3	15	1.3	22	1.3	795	113.206	GFL07-3M □□□090C12	430
	13	2.3	15	2.3	22	2.3	803	114.333	GFL09-3M □□□090C12	430
	11	1.3	14	1.3	20	1.3	895	127.556	GFL07-3M □□□090C12	430
	11	2.3	13	2.3	20	2.3	905	128.852	GFL09-3M □□□090C12	430
	9.7	1.1	12	1.1	17	1.1	1034	147.347	GFL07-3M □□□090C12	430
	9.6	2.0	12	2.0	17	2.0	1045	148.815	GFL09-3M □□□090C12	430
	8.6	1.1	10	1.1	15	1.1	1166	166.025	GFL07-3M □□□090C12	430
	8.5	2.0	10	2.0	15	2.0	1177	167.712	GFL09-3M □□□090C12	430
	7.8	1.0	9.4	1.0	14	1.0	1287	183.285	GFL07-3M □□□090C12	430
	7.7	1.7	9.4	1.7	14	1.7	1300	185.111	GFL09-3M □□□090C12	430
	6.9	0.9	8.4	0.9	12	0.9	1450	206.519	GFL07-3M □□□090C12	430
	6.9	1.7	8.3	1.7	12	1.7	1465	208.617	GFL09-3M □□□090C12	430
	6.4	0.9	7.7	0.9	11	0.9	1577	224.636	GFL07-3M □□□090C12	430
	6.4	1.5	7.7	1.5	11	1.5	1578	224.778	GFL09-3M □□□090C12	430
	6.4	2.9	7.7	2.9	11	2.9	1577	224.636	GFL11-3M □□□090C12	430
	5.7	1.5	6.8	1.5	10	1.5	1778	253.321	GFL09-3M □□□090C12	430
	5.7	2.9	6.8	2.9	10	2.9	1777	253.111	GFL11-3M □□□090C12	430
	5.4	2.7	6.5	2.7	9.5	2.7	1876	267.259	GFL11-3M □□□090C12	430
	4.9	1.3	6	1.3	8.7	1.3	2042	290.889	GFL09-3M □□□090C12	430
	4.4	1.3	5.3	1.3	7.8	1.3	2301	327.827	GFL09-3M □□□090C12	430
	4.4	2.4	5.3	2.4	7.8	2.4	2299	327.556	GFL11-3M □□□090C12	430
	4.1	1.1	4.9	1.1	7.2	1.1	2478	353.033	GFL09-3M □□□090C12	430
	4	2.1	4.8	2.1	7.1	2.1	2514	358.077	GFL11-3M □□□090C12	430
	3.6	1.1	4.4	1.1	6.4	1.1	2793	397.863	GFL09-3M □□□090C12	430



50 Hz: $P_N=1.1$ kW
60 Hz: $P_N=1.3$ kW
87 Hz: $P_N=2.0$ kW

n _N	1430 r/min		1730 r/min		2540 r/min		M ₂ [Nm]	i		
f _N	50 Hz		60 Hz		87 Hz					
P _N	1.1 kW		1.3 kW		2.0 kW					
	n ₂ [r/min]	c	n ₂ [r/min]	c	n ₂ [r/min]	c				
	3.5	2.1	4.3	2.1	6.3	2.1	2832	403.467	GFL11-3M □□□090C12	430
	3.4	0.9	4.1	0.9	6	0.9	2978	424.247	GFL09-3M □□□090C12	430
	3.3	2.0	4	2.0	5.9	2.0	3020	430.222	GFL11-3M □□□090C12	430
	2.7	1.6	3.3	1.6	4.9	1.6	3665	522.133	GFL11-3M □□□090C12	430
	2.7	2.9	3.3	2.9	4.9	2.9	3665	522.133	GFL14-3M □□□090C12	430
	2.5	1.4	3.1	1.4	4.5	1.4	3948	562.391	GFL11-3M □□□090C12	430
	2.5	2.3	3.1	2.3	4.5	2.3	3948	562.391	GFL14-3M □□□090C12	430
	2.3	1.3	2.7	1.3	4	1.3	4448	633.680	GFL11-3M □□□090C12	430
	2.3	2.2	2.7	2.2	4	2.2	4448	633.680	GFL14-3M □□□090C12	430
	1.8	1.0	2.2	1.0	3.2	1.0	5623	801.000	GFL11-3M □□□090C12	430
	1.8	1.7	2.2	1.7	3.2	1.7	5623	801.000	GFL14-3M □□□090C12	430



GFL

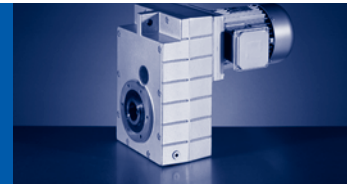
GFL [Nm] - MH□MA (IE2)

50 Hz: P_N=1.5 kW

60 Hz: P_N=1.8 kW

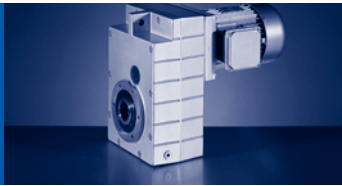
87 Hz: P_N=2.7 kW

n _N	1435 r/min		1735 r/min		2545 r/min		M ₂ [Nm]	i		
f _N	50 Hz		60 Hz		87 Hz					
P _N	1.5 kW		1.8 kW		2.7 kW					
	n ₂ [r/min]	c	n ₂ [r/min]	c	n ₂ [r/min]	c				
	392	3.1	474	2.9	696	2.6	35	3.659	GFL04-2M □□□090C32	426
	314	3.8	380	3.7	557	3.2	44	4.571	GFL05-2M □□□090C32	422
	286	2.3	346	2.2	507	1.9	49	5.018	GFL04-2M □□□090C32	426
	246	2.7	297	2.6	436	2.3	57	5.833	GFL04-2M □□□090C32	426
	224	2.8	271	2.7	398	2.3	62	6.400	GFL05-2M □□□090C32	422
	223	1.8	270	1.7	396	1.5	62	6.422	GFL04-2M □□□090C32	426
	204	1.7	247	1.6	362	1.4	68	7.025	GFL04-2M □□□090C32	426
	171	2.2	207	2.1	304	1.8	81	8.379	GFL04-2M □□□090C32	426
	159	3.0	193	2.9	283	2.6	87	9.010	GFL05-2M □□□090C32	422
	154	1.8	186	1.7	273	1.5	90	9.333	GFL04-2M □□□090C32	426
	144	2.9	174	2.7	256	2.4	96	9.946	GFL05-2M □□□090C32	422
	140	1.6	170	1.5	249	1.4	99	10.238	GFL04-2M □□□090C32	426
	126	2.5	153	2.4	224	2.1	110	11.360	GFL05-2M □□□090C32	422
	125	1.6	151	1.6	222	1.4	111	11.491	GFL04-2M □□□090C32	426
	112	1.3	136	1.3	199	1.1	124	12.800	GFL04-2M □□□090C32	426
	112	2.3	136	2.2	199	1.9	124	12.800	GFL05-2M □□□090C32	422
	99	2.1	119	2.0	175	1.8	141	14.538	GFL05-2M □□□090C32	422
	98	1.3	118	1.2	173	1.1	142	14.706	GFL04-2M □□□090C32	426
	90	2.0	109	1.9	160	1.7	154	15.904	GFL05-2M □□□090C32	422
	89	1.2	108	1.1	158	1.0	156	16.087	GFL04-2M □□□090C32	426
	80	1.0	97	0.9	142	0.8	174	17.920	GFL04-2M □□□090C32	426
	80	1.8	97	1.7	142	1.5	174	17.920	GFL05-2M □□□090C32	422
	71	1.7	86	1.6	126	1.4	197	20.286	GFL05-2M □□□090C32	422
	70	0.9	85	0.9			199	20.519	GFL04-2M □□□090C32	426
	70	3.2	84	3.1	124	2.7	199	20.571	GFL06-2M □□□090C32	422
	63	1.4	76	1.4	111	1.2	221	22.857	GFL05-2M □□□090C32	422
	62	2.7	75	2.6	110	2.3	224	23.175	GFL06-2M □□□090C32	422
	58	1.4	70	1.4	102	1.4	241	24.850	GFL05-2M □□□090C32	422
	57	2.7	69	2.7	101	2.5	244	25.200	GFL06-2M □□□090C32	422
	51	1.2	62	1.2	91	1.1	271	28.000	GFL05-2M □□□090C32	422
	51	2.2	61	2.2	90	2.1	275	28.389	GFL06-2M □□□090C32	422
	44	1.1	54	1.1	79	1.1	313	32.344	GFL05-2M □□□090C32	422
	44	2.0	53	2.0	78	1.9	318	32.800	GFL06-2M □□□090C32	422
	39	0.9	48	0.9	70	0.9	353	36.444	GFL05-2M □□□090C32	422
	39	1.7	47	1.7	69	1.6	358	36.951	GFL06-2M □□□090C32	422
	36	0.9	43	0.9	63	0.8	390	40.233	GFL05-2M □□□090C32	422
	36	2.9	44	2.9	64	2.8	384	39.642	GFL07-2M □□□090C32	422
	35	1.7	43	1.7	62	1.6	395	40.800	GFL06-2M □□□090C32	422
	32	2.9	39	2.9	57	2.8	433	44.667	GFL07-2M □□□090C32	422
	31	1.4	38	1.4	55	1.3	445	45.963	GFL06-2M □□□090C32	422
	28	2.4	33	2.4	49	2.3	504	52.067	GFL07-2M □□□090C32	422



50 Hz: P_N=1.5 kW
60 Hz: P_N=1.8 kW
87 Hz: P_N=2.7 kW

n _N	1435 r/min		1735 r/min		2545 r/min		M ₂ [Nm]	i		
f _N	50 Hz		60 Hz		87 Hz					
P _N	1.5 kW		1.8 kW		2.7 kW					
	n ₂ [r/min]	c	n ₂ [r/min]	c	n ₂ [r/min]	c				
	28	2.9	34	2.9	50	2.8	497	51.333	GFL09-2M □□□090C32	422
	27	1.3	33	1.3	48	1.2	511	52.800	GFL06-2M □□□090C32	422
	25	2.2	30	2.2	43	2.1	568	58.667	GFL07-2M □□□090C32	422
	25	2.9	30	2.9	44	2.8	560	57.852	GFL09-2M □□□090C32	422
	24	1.1	29	1.1	43	1.0	576	59.481	GFL06-2M □□□090C32	422
	23	2.0	28	2.0	40	1.9	612	63.190	GFL07-2M □□□090C32	422
	23	2.5	27	2.5	40	2.4	604	63.326	GFL09-3M □□□090C32	430
	23	2.6	28	2.6	41	2.4	603	62.300	GFL09-2M □□□090C32	422
	22	0.9	27	0.9	40	0.9	621	64.080	GFL06-2M □□□090C32	422
	22	1.4	27	1.4	39	1.4	623	65.306	GFL07-3M □□□090C32	430
	20	0.9	24	0.9	35	0.9	699	72.189	GFL06-2M □□□090C32	422
	20	1.3	24	1.3	35	1.3	691	72.452	GFL07-3M □□□090C32	430
	20	1.9	24	1.9	36	1.9	690	71.200	GFL07-2M □□□090C32	422
	20	2.2	24	2.2	35	2.2	698	73.173	GFL09-3M □□□090C32	430
	20	2.6	25	2.6	36	2.6	680	70.211	GFL09-2M □□□090C32	422
	18	1.1	22	1.1	32	1.1	774	79.875	GFL07-2M □□□090C32	422
	18	1.3	21	1.3	31	1.3	779	81.636	GFL07-3M □□□090C32	430
	18	2.0	22	2.0	32	2.0	763	78.750	GFL09-2M □□□090C32	422
	17	2.2	21	2.2	31	2.2	787	82.465	GFL09-3M □□□090C32	430
	16	1.1	19	1.1	28	1.1	872	90.000	GFL07-2M □□□090C32	422
	16	1.1	19	1.1	28	1.1	882	92.413	GFL07-3M □□□090C32	430
	16	2.0	20	2.0	29	2.0	860	88.750	GFL09-2M □□□090C32	422
	15	1.9	19	1.9	27	1.9	890	93.333	GFL09-3M □□□090C32	430
	14	1.1	17	1.1	24	1.1	993	104.127	GFL07-3M □□□090C32	430
	14	1.9	17	1.9	24	1.9	1003	105.185	GFL09-3M □□□090C32	430
	13	1.0	15	1.0	23	1.0	1080	113.206	GFL07-3M □□□090C32	430
	13	1.7	15	1.7	22	1.7	1091	114.333	GFL09-3M □□□090C32	430
	11	1.0	14	1.0	20	1.0	1217	127.556	GFL07-3M □□□090C32	430
	11	1.7	14	1.7	20	1.7	1229	128.852	GFL09-3M □□□090C32	430
	9.7	0.8	12	0.8	17	0.8	1406	147.347	GFL07-3M □□□090C32	430
	9.6	1.5	12	1.5	17	1.5	1420	148.815	GFL09-3M □□□090C32	430
	9.6	2.7	12	2.7	17	2.7	1423	149.144	GFL11-3M □□□090C32	430
	8.6	1.5	10	1.5	15	1.5	1600	167.712	GFL09-3M □□□090C32	430
	8.5	2.7	10	2.7	15	2.7	1603	168.049	GFL11-3M □□□090C32	430
	7.9	2.4	9.5	2.4	14	2.4	1744	182.792	GFL11-3M □□□090C32	430
	7.8	1.3	9.4	1.3	14	1.3	1766	185.111	GFL09-3M □□□090C32	430
	7.1	2.9	8.6	2.9	13	2.9	1928	202.074	GFL14-3M □□□090C32	430
	7	2.4	8.4	2.4	12	2.4	1965	205.963	GFL11-3M □□□090C32	430
	6.9	1.3	8.3	1.3	12	1.3	1990	208.617	GFL09-3M □□□090C32	430
	6.4	1.1	7.7	1.1	11	1.1	2144	224.778	GFL09-3M □□□090C32	430
	6.4	2.1	7.7	2.1	11	2.1	2143	224.636	GFL11-3M □□□090C32	430



GFL

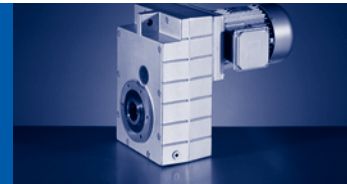
GFL [Nm] - MH□MA (IE2)

50 Hz: $P_N=1.5$ kW

60 Hz: $P_N=1.8$ kW

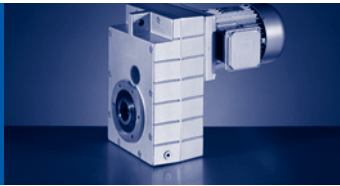
87 Hz: $P_N=2.7$ kW

n _N	1435 r/min		1735 r/min		2545 r/min		M ₂ [Nm]	i		
f _N	50 Hz		60 Hz		87 Hz					
P _N	1.5 kW		1.8 kW		2.7 kW					
	n ₂ [r/min]	c	n ₂ [r/min]	c	n ₂ [r/min]	c				
	5.7	1.1	6.9	1.1	10	1.1	2417	253.321	GFL09-3M □□□090C32	430
	5.7	2.1	6.9	2.1	10	2.1	2415	253.111	GFL11-3M □□□090C32	430
	5.4	2.0	6.5	2.0	9.5	2.0	2550	267.259	GFL11-3M □□□090C32	430
	4.9	1.0	6	1.0	8.8	1.0	2775	290.889	GFL09-3M □□□090C32	430
	4.4	1.0	5.3	1.0	7.8	1.0	3127	327.827	GFL09-3M □□□090C32	430
	4.4	1.8	5.3	1.8	7.8	1.8	3125	327.556	GFL11-3M □□□090C32	430
	4.1	0.8	4.9	0.8	7.2	0.8	3368	353.033	GFL09-3M □□□090C32	430
	4.1	2.6	4.9	2.6	7.2	2.6	3366	352.811	GFL14-3M □□□090C32	430
	4	1.6	4.9	1.6	7.1	1.6	3416	358.077	GFL11-3M □□□090C32	430
	3.6	0.8	4.4	0.8	6.4	0.8	3795	397.863	GFL09-3M □□□090C32	430
	3.6	1.6	4.3	1.6	6.3	1.6	3849	403.467	GFL11-3M □□□090C32	430
	3.6	2.6	4.4	2.6	6.4	2.6	3792	397.533	GFL14-3M □□□090C32	430
	3.3	1.5	4	1.5	5.9	1.5	4104	430.222	GFL11-3M □□□090C32	430
	3.3	2.6	4	2.6	5.9	2.6	4104	430.222	GFL14-3M □□□090C32	430
	2.8	1.2	3.3	1.2	4.9	1.2	4981	522.133	GFL11-3M □□□090C32	430
	2.8	2.1	3.3	2.1	4.9	2.1	4981	522.133	GFL14-3M □□□090C32	430
	2.6	1.0	3.1	1.0	4.5	1.0	5365	562.391	GFL11-3M □□□090C32	430
	2.6	1.7	3.1	1.7	4.5	1.7	5365	562.391	GFL14-3M □□□090C32	430
	2.3	1.0	2.7	1.0	4	1.0	6045	633.680	GFL11-3M □□□090C32	430
	2.3	1.6	2.7	1.6	4	1.6	6045	633.680	GFL14-3M □□□090C32	430
	1.8	1.3	2.2	1.3	3.2	1.3	7641	801.000	GFL14-3M □□□090C32	430



50 Hz: P_N=2.2 kW
60 Hz: P_N=2.6 kW
87 Hz: P_N=3.9 kW

n _N	1445 r/min		1745 r/min		2555 r/min		M ₂ [Nm]	i		
f _N	50 Hz		60 Hz		87 Hz					
P _N	2.2 kW		2.6 kW		3.9 kW					
	n ₂ [r/min]	c	n ₂ [r/min]	c	n ₂ [r/min]	c				
	434	3.5	524	3.4	767	3.0	47	3.333	GFL05-2M □□□100C12	422
	316	2.6	382	2.5	559	2.2	65	4.571	GFL05-2M □□□100C12	422
	282	3.1	340	2.9	498	2.6	72	5.133	GFL05-2M □□□100C12	422
	255	2.9	308	2.8	451	2.4	80	5.667	GFL05-2M □□□100C12	422
	226	1.9	273	1.8	399	1.6	90	6.400	GFL05-2M □□□100C12	422
	205	2.5	248	2.4	363	2.1	99	7.040	GFL05-2M □□□100C12	422
	186	2.4	225	2.2	329	2.0	110	7.771	GFL05-2M □□□100C12	422
	160	2.1	194	2.0	284	1.8	127	9.010	GFL05-2M □□□100C12	422
	145	2.0	176	1.9	257	1.6	140	9.946	GFL05-2M □□□100C12	422
	143	3.2	173	3.1	253	2.7	142	10.092	GFL06-2M □□□100C12	422
	127	1.7	154	1.7	225	1.5	160	11.360	GFL05-2M □□□100C12	422
	113	1.6	136	1.5	200	1.3	181	12.800	GFL05-2M □□□100C12	422
	111	3.2	135	3.1	197	2.7	183	12.978	GFL06-2M □□□100C12	422
	99	1.5	120	1.4	176	1.2	205	14.538	GFL05-2M □□□100C12	422
	98	3.1	118	2.9	173	2.6	208	14.743	GFL06-2M □□□100C12	422
	91	1.4	110	1.3	161	1.2	224	15.904	GFL05-2M □□□100C12	422
	90	2.8	108	2.7	158	2.4	228	16.128	GFL06-2M □□□100C12	422
	81	1.2	97	1.2	143	1.0	253	17.920	GFL05-2M □□□100C12	422
	80	2.3	96	2.2	141	2.0	256	18.169	GFL06-2M □□□100C12	422
	71	1.2	86	1.1	126	1.0	286	20.286	GFL05-2M □□□100C12	422
	70	2.2	85	2.1	124	1.9	290	20.571	GFL06-2M □□□100C12	422
	63	1.0	76	0.9	112	0.8	322	22.857	GFL05-2M □□□100C12	422
	62	1.9	75	1.8	110	1.6	327	23.175	GFL06-2M □□□100C12	422
	58	1.0	70	1.0	103	0.9	351	24.850	GFL05-2M □□□100C12	422
	57	1.8	69	1.8	101	1.7	356	25.200	GFL06-2M □□□100C12	422
	52	3.1	62	3.1	91	3.0	395	28.000	GFL07-2M □□□100C12	422
	51	1.5	62	1.5	90	1.4	400	28.389	GFL06-2M □□□100C12	422
	45	3.0	54	3.0	79	2.9	456	32.344	GFL07-2M □□□100C12	422
	44	1.4	53	1.4	78	1.3	463	32.800	GFL06-2M □□□100C12	422
	40	2.4	48	2.4	70	2.3	514	36.444	GFL07-2M □□□100C12	422
	39	1.2	47	1.2	69	1.1	521	36.951	GFL06-2M □□□100C12	422
	37	2.5	44	2.5	65	2.3	559	39.642	GFL07-2M □□□100C12	422
	35	1.1	43	1.1	63	1.1	576	40.800	GFL06-2M □□□100C12	422
	32	2.0	39	2.0	57	1.9	630	44.667	GFL07-2M □□□100C12	422
	31	0.9	38	0.9	56	0.9	648	45.963	GFL06-2M □□□100C12	422
	28	1.8	34	1.8	49	1.7	734	52.067	GFL07-2M □□□100C12	422
	28	2.8	34	2.8	50	2.6	724	51.333	GFL09-2M □□□100C12	422
	25	1.5	30	1.5	44	1.5	828	58.667	GFL07-2M □□□100C12	422
	25	2.8	30	2.8	44	2.6	816	57.852	GFL09-2M □□□100C12	422
	23	1.4	28	1.4	40	1.3	891	63.190	GFL07-2M □□□100C12	422
	23	1.7	28	1.7	40	1.6	880	63.326	GFL09-3M □□□100C12	430



GFL

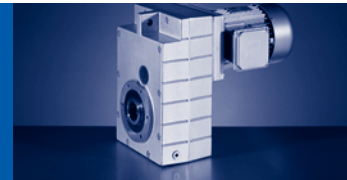
GFL [Nm] - MH□MA (IE2)

50 Hz: P_N=2.2 kW

60 Hz: P_N=2.6 kW

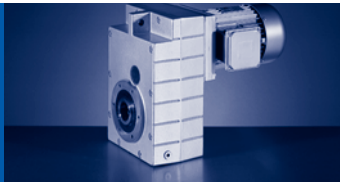
87 Hz: P_N=3.9 kW

n _N	1445 r/min		1745 r/min		2555 r/min		M ₂ [Nm]	i		
f _N	50 Hz		60 Hz		87 Hz					
P _N	2.2 kW		2.6 kW		3.9 kW					
	n ₂ [r/min]	c	n ₂ [r/min]	c	n ₂ [r/min]	c				
	23	2.3	28	2.3	41	2.2	879	62.300	GFL09-2M □□□100C12	422
	23	2.9	28	2.9	40	2.8	891	63.190	GFL11-2M □□□100C12	422
	22	1.0	27	1.0	39	1.0	907	65.306	GFL07-3M □□□100C12	430
	22	3.2	27	3.2	39	3.2	907	65.306	GFL11-3M □□□100C12	430
	21	2.3	25	2.3	36	2.3	990	70.211	GFL09-2M □□□100C12	422
	20	0.9	24	0.9	35	0.9	1007	72.452	GFL07-3M □□□100C12	430
	20	1.3	25	1.3	36	1.3	1004	71.200	GFL07-2M □□□100C12	422
	20	1.5	24	1.5	35	1.5	1017	73.173	GFL09-3M □□□100C12	430
	20	2.8	24	2.8	35	2.8	1019	73.335	GFL11-3M □□□100C12	430
	20	2.9	25	2.9	36	2.9	1004	71.200	GFL11-2M □□□100C12	422
	18	0.9	21	0.9	31	0.9	1134	81.636	GFL07-3M □□□100C12	430
	18	1.5	21	1.5	31	1.5	1146	82.465	GFL09-3M □□□100C12	430
	18	1.5	22	1.5	32	1.5	1111	78.750	GFL09-2M □□□100C12	422
	18	2.3	22	2.3	32	2.3	1127	79.875	GFL11-2M □□□100C12	422
	18	2.8	21	2.8	31	2.8	1148	82.631	GFL11-3M □□□100C12	430
	16	1.3	19	1.3	27	1.3	1297	93.333	GFL09-3M □□□100C12	430
	16	1.4	20	1.4	29	1.4	1252	88.750	GFL09-2M □□□100C12	422
	16	2.3	19	2.3	28	2.3	1270	90.000	GFL11-2M □□□100C12	422
	15	2.5	19	2.5	27	2.5	1300	93.540	GFL11-3M □□□100C12	430
	14	1.3	17	1.3	24	1.3	1462	105.185	GFL09-3M □□□100C12	430
	14	2.5	17	2.5	24	2.5	1464	105.397	GFL11-3M □□□100C12	430
	13	1.2	15	1.2	22	1.2	1589	114.333	GFL09-3M □□□100C12	430
	13	2.2	15	2.2	22	2.2	1592	114.586	GFL11-3M □□□100C12	430
	11	1.2	14	1.2	20	1.2	1790	128.852	GFL09-3M □□□100C12	430
	11	2.2	14	2.2	20	2.2	1794	129.111	GFL11-3M □□□100C12	430
	9.7	1.0	12	1.0	17	1.0	2068	148.815	GFL09-3M □□□100C12	430
	9.7	1.9	12	1.9	17	1.9	2072	149.144	GFL11-3M □□□100C12	430
	8.6	1.0	10	1.0	15	1.0	2330	167.712	GFL09-3M □□□100C12	430
	8.6	1.9	10	1.9	15	1.9	2335	168.049	GFL11-3M □□□100C12	430
	7.9	1.7	9.6	1.7	14	1.7	2540	182.792	GFL11-3M □□□100C12	430
	7.8	0.9	9.4	0.9	14	0.9	2572	185.111	GFL09-3M □□□100C12	430
	7.2	2.8	8.6	2.8	13	2.8	2808	202.074	GFL14-3M □□□100C12	430
	7	1.7	8.5	1.7	12	1.7	2862	205.963	GFL11-3M □□□100C12	430
	6.9	0.9	8.4	0.9	12	0.9	2899	208.617	GFL09-3M □□□100C12	430
	6.4	1.5	7.8	1.5	11	1.5	3121	224.636	GFL11-3M □□□100C12	430
	6.4	2.8	7.8	2.8	11	2.8	3121	224.636	GFL14-3M □□□100C12	430
	5.7	1.5	6.9	1.5	10	1.5	3517	253.111	GFL11-3M □□□100C12	430
	5.7	2.8	6.9	2.8	10	2.8	3517	253.111	GFL14-3M □□□100C12	430
	5.4	1.4	6.5	1.4	9.6	1.4	3713	267.259	GFL11-3M □□□100C12	430
	5.3	2.6	6.4	2.6	9.3	2.6	3804	273.778	GFL14-3M □□□100C12	430
	4.4	1.2	5.3	1.2	7.8	1.2	4551	327.556	GFL11-3M □□□100C12	430



50 Hz: $P_N=2.2$ kW
60 Hz: $P_N=2.6$ kW
87 Hz: $P_N=3.9$ kW

n _N	1445 r/min		1745 r/min		2555 r/min		M ₂ [Nm]	i		
f _N	50 Hz		60 Hz		87 Hz					
P _N	2.2 kW		2.6 kW		3.9 kW					
	n ₂ [r/min]	c	n ₂ [r/min]	c	n ₂ [r/min]	c				
	4.4	2.3	5.3	2.3	7.7	2.3	4619	332.444	GFL14-3M □□□100C12	430
	4.1	2.1	5	2.1	7.2	2.1	4902	352.811	GFL14-3M □□□100C12	430
	4	1.1	4.9	1.1	7.1	1.1	4975	358.077	GFL11-3M □□□100C12	430
	3.6	1.1	4.3	1.1	6.3	1.1	5606	403.467	GFL11-3M □□□100C12	430
	3.6	2.1	4.4	2.1	6.4	2.1	5523	397.533	GFL14-3M □□□100C12	430
	3.4	1.0	4.1	1.0	5.9	1.0	5978	430.222	GFL11-3M □□□100C12	430
	3.4	1.8	4.1	1.8	5.9	1.8	5978	430.222	GFL14-3M □□□100C12	430
	2.8	0.8	3.3	0.8	4.9	0.8	7255	522.133	GFL11-3M □□□100C12	430
	2.8	1.5	3.3	1.5	4.9	1.5	7255	522.133	GFL14-3M □□□100C12	430
	2.6	1.2	3.1	1.2	4.5	1.2	7814	562.391	GFL14-3M □□□100C12	430
	2.3	1.1	2.8	1.1	4	1.1	8805	633.680	GFL14-3M □□□100C12	430
	1.8	0.9	2.2	0.9	3.2	0.9	11129	801.000	GFL14-3M □□□100C12	430



GFL

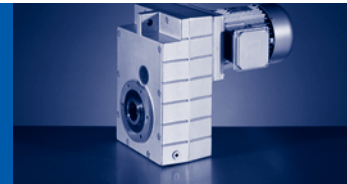
GFL [Nm] - MH□MA (IE2)

50 Hz: P_N=3.0 kW

60 Hz: P_N=3.6 kW

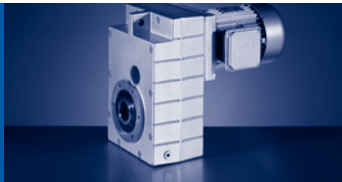
87 Hz: P_N=5.4 kW

n _N	1445 r/min		1745 r/min		2555 r/min		M ₂ [Nm]	i		
f _N	50 Hz		60 Hz		87 Hz					
P _N	3.0 kW		3.6 kW		5.4 kW					
	n ₂ [r/min]	c	n ₂ [r/min]	c	n ₂ [r/min]	c				
	434	2.6	524	2.5	767	2.2	64	3.333	GFL05-2M □□□100C32	422
	316	1.9	382	1.8	559	1.6	88	4.571	GFL05-2M □□□100C32	422
	282	2.3	340	2.2	498	1.9	99	5.133	GFL05-2M □□□100C32	422
	255	2.1	308	2.0	451	1.8	109	5.667	GFL05-2M □□□100C32	422
	226	1.4	273	1.3	399	1.2	123	6.400	GFL05-2M □□□100C32	422
	224	2.8	271	2.7	396	2.4	124	6.450	GFL06-2M □□□100C32	422
	205	1.8	248	1.7	363	1.5	135	7.040	GFL05-2M □□□100C32	422
	202	3.2	244	3.0	358	2.6	138	7.147	GFL06-2M □□□100C32	422
	186	1.7	225	1.6	329	1.5	150	7.771	GFL05-2M □□□100C32	422
	160	1.5	194	1.5	284	1.3	173	9.010	GFL05-2M □□□100C32	422
	153	3.2	184	3.0	270	2.7	182	9.463	GFL06-2M □□□100C32	422
	145	1.4	176	1.4	257	1.2	191	9.946	GFL05-2M □□□100C32	422
	143	2.4	173	2.3	253	2.0	194	10.092	GFL06-2M □□□100C32	422
	127	1.3	154	1.2	225	1.1	219	11.360	GFL05-2M □□□100C32	422
	125	2.9	152	2.7	222	2.4	222	11.520	GFL06-2M □□□100C32	422
	113	1.2	136	1.1	200	1.0	246	12.800	GFL05-2M □□□100C32	422
	111	2.4	135	2.3	197	2.0	250	12.978	GFL06-2M □□□100C32	422
	99	1.1	120	1.0	176	0.9	280	14.538	GFL05-2M □□□100C32	422
	98	2.3	118	2.2	173	1.9	284	14.743	GFL06-2M □□□100C32	422
	91	1.0	110	1.0	161	0.9	306	15.904	GFL05-2M □□□100C32	422
	90	2.1	108	2.0	158	1.7	310	16.128	GFL06-2M □□□100C32	422
	81	0.9	97	0.9			345	17.920	GFL05-2M □□□100C32	422
	80	1.7	96	1.6	141	1.4	350	18.169	GFL06-2M □□□100C32	422
	71	0.9	86	0.8			390	20.286	GFL05-2M □□□100C32	422
	71	3.2	86	3.1	126	2.7	390	20.286	GFL07-2M □□□100C32	422
	70	1.6	85	1.6	124	1.4	396	20.571	GFL06-2M □□□100C32	422
	63	2.8	76	2.7	112	2.4	440	22.857	GFL07-2M □□□100C32	422
	62	1.4	75	1.3	110	1.1	446	23.175	GFL06-2M □□□100C32	422
	58	2.8	70	2.8	103	2.7	478	24.850	GFL07-2M □□□100C32	422
	57	1.3	69	1.3	101	1.3	485	25.200	GFL06-2M □□□100C32	422
	52	2.3	62	2.3	91	2.2	539	28.000	GFL07-2M □□□100C32	422
	51	1.1	62	1.1	90	1.1	546	28.389	GFL06-2M □□□100C32	422
	45	2.2	54	2.2	79	2.1	622	32.344	GFL07-2M □□□100C32	422
	44	1.0	53	1.0	78	1.0	631	32.800	GFL06-2M □□□100C32	422
	44	3.0	53	3.0	78	2.8	628	32.667	GFL09-2M □□□100C32	422
	40	1.8	48	1.8	70	1.7	701	36.444	GFL07-2M □□□100C32	422
	39	0.9	47	0.9	69	0.8	711	36.951	GFL06-2M □□□100C32	422
	39	3.0	47	3.0	69	2.8	708	36.815	GFL09-2M □□□100C32	422
	37	1.8	44	1.8	65	1.7	763	39.642	GFL07-2M □□□100C32	422
	36	2.5	44	2.5	64	2.4	763	39.667	GFL09-2M □□□100C32	422
	35	0.8	43	0.8			785	40.800	GFL06-2M □□□100C32	422



50 Hz: P_N=3.0 kW
60 Hz: P_N=3.6 kW
87 Hz: P_N=5.4 kW

n _N	1445 r/min		1745 r/min		2555 r/min		M ₂ [Nm]	i		
f _N	50 Hz		60 Hz		87 Hz					
P _N	3.0 kW		3.6 kW		5.4 kW					
	n ₂ [r/min]	c	n ₂ [r/min]	c	n ₂ [r/min]	c				
	32	1.5	39	1.5	57	1.4	859	44.667	GFL07-2M □□□100C32	422
	32	2.5	39	2.5	57	2.4	860	44.704	GFL09-2M □□□100C32	422
	28	1.3	34	1.3	49	1.3	1002	52.067	GFL07-2M □□□100C32	422
	28	2.0	34	2.0	50	1.9	987	51.333	GFL09-2M □□□100C32	422
	28	2.5	34	2.5	49	2.4	1002	52.067	GFL11-2M □□□100C32	422
	25	1.1	30	1.1	44	1.1	1129	58.667	GFL07-2M □□□100C32	422
	25	2.0	30	2.0	44	1.9	1113	57.852	GFL09-2M □□□100C32	422
	25	2.5	30	2.5	44	2.4	1129	58.667	GFL11-2M □□□100C32	422
	23	1.0	28	1.0	40	1.0	1216	63.190	GFL07-2M □□□100C32	422
	23	1.3	28	1.3	40	1.2	1200	63.326	GFL09-3M □□□100C32	430
	23	1.7	28	1.7	41	1.6	1198	62.300	GFL09-2M □□□100C32	422
	23	2.1	28	2.1	40	2.0	1216	63.190	GFL11-2M □□□100C32	422
	22	2.3	27	2.3	39	2.3	1237	65.306	GFL11-3M □□□100C32	430
	21	1.7	25	1.7	36	1.7	1351	70.211	GFL09-2M □□□100C32	422
	20	0.9	25	0.9	36	0.9	1370	71.200	GFL07-2M □□□100C32	422
	20	1.1	24	1.1	35	1.1	1386	73.173	GFL09-3M □□□100C32	430
	20	2.1	24	2.1	35	2.1	1390	73.335	GFL11-3M □□□100C32	430
	20	2.1	25	2.1	36	2.1	1370	71.200	GFL11-2M □□□100C32	422
	18	1.1	22	1.1	32	1.1	1515	78.750	GFL09-2M □□□100C32	422
	18	1.1	21	1.1	31	1.1	1562	82.465	GFL09-3M □□□100C32	430
	18	1.7	22	1.7	32	1.7	1536	79.875	GFL11-2M □□□100C32	422
	18	2.1	21	2.1	31	2.1	1566	82.631	GFL11-3M □□□100C32	430
	16	1.0	20	1.0	29	1.0	1707	88.750	GFL09-2M □□□100C32	422
	16	1.0	19	1.0	27	1.0	1768	93.333	GFL09-3M □□□100C32	430
	16	1.7	19	1.7	28	1.7	1731	90.000	GFL11-2M □□□100C32	422
	15	1.8	19	1.8	27	1.8	1772	93.540	GFL11-3M □□□100C32	430
	14	1.0	17	1.0	24	1.0	1993	105.185	GFL09-3M □□□100C32	430
	14	1.8	17	1.8	24	1.8	1997	105.397	GFL11-3M □□□100C32	430
	14	3.0	17	3.0	24	3.0	1987	104.889	GFL14-3M □□□100C32	430
	13	0.9	15	0.9	22	0.9	2166	114.333	GFL09-3M □□□100C32	430
	13	1.6	15	1.6	22	1.6	2171	114.586	GFL11-3M □□□100C32	430
	13	3.0	15	3.0	22	3.0	2162	114.126	GFL14-3M □□□100C32	430
	11	0.9	14	0.9	20	0.9	2441	128.852	GFL09-3M □□□100C32	430
	11	1.6	14	1.6	20	1.6	2446	129.111	GFL11-3M □□□100C32	430
	11	3.0	14	3.0	20	3.0	2436	128.593	GFL14-3M □□□100C32	430
	9.7	1.4	12	1.4	17	1.4	2826	149.144	GFL11-3M □□□100C32	430
	9.3	2.5	11	2.5	16	2.5	2959	156.148	GFL14-3M □□□100C32	430
	8.6	1.4	10	1.4	15	1.4	3184	168.049	GFL11-3M □□□100C32	430
	8.5	2.6	10	2.6	15	2.6	3222	170.074	GFL14-3M □□□100C32	430
	7.9	1.2	9.6	1.2	14	1.2	3463	182.792	GFL11-3M □□□100C32	430
	7.2	2.0	8.6	2.0	13	2.0	3829	202.074	GFL14-3M □□□100C32	430



GFL

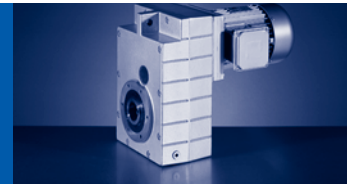
GFL [Nm] - MH□MA (IE2)

50 Hz: $P_N=3.0$ kW

60 Hz: $P_N=3.6$ kW

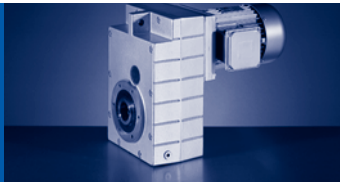
87 Hz: $P_N=5.4$ kW

n _N	1445 r/min		1745 r/min		2555 r/min		M ₂ [Nm]	i		
f _N	50 Hz		60 Hz		87 Hz					
P _N	3.0 kW		3.6 kW		5.4 kW					
	n ₂ [r/min]	c	n ₂ [r/min]	c	n ₂ [r/min]	c				
	7	1.2	8.5	1.2	12	1.2	3902	205.963	GFL11-3M □□□100C32	430
	6.4	1.1	7.8	1.1	11	1.1	4256	224.636	GFL11-3M □□□100C32	430
	6.4	2.1	7.8	2.1	11	2.1	4256	224.636	GFL14-3M □□□100C32	430
	5.7	1.1	6.9	1.1	10	1.1	4796	253.111	GFL11-3M □□□100C32	430
	5.7	2.1	6.9	2.1	10	2.1	4796	253.111	GFL14-3M □□□100C32	430
	5.4	1.0	6.5	1.0	9.6	1.0	5064	267.259	GFL11-3M □□□100C32	430
	5.3	1.9	6.4	1.9	9.3	1.9	5187	273.778	GFL14-3M □□□100C32	430
	4.4	0.9	5.3	0.9	7.8	0.9	6206	327.556	GFL11-3M □□□100C32	430
	4.4	1.7	5.3	1.7	7.7	1.7	6299	332.444	GFL14-3M □□□100C32	430
	4.1	1.6	5	1.6	7.2	1.6	6685	352.811	GFL14-3M □□□100C32	430
	3.6	1.5	4.4	1.5	6.4	1.5	7532	397.533	GFL14-3M □□□100C32	430
	3.4	1.3	4.1	1.3	5.9	1.3	8151	430.222	GFL14-3M □□□100C32	430
	2.8	1.1	3.3	1.1	4.9	1.1	9893	522.133	GFL14-3M □□□100C32	430
	2.6	0.9	3.1	0.9	4.5	0.9	10656	562.391	GFL14-3M □□□100C32	430
	2.3	0.8	2.8	0.8	4	0.8	12006	633.680	GFL14-3M □□□100C32	430



50 Hz: P_N=4.0 kW
60 Hz: P_N=4.8 kW
87 Hz: P_N=7.1 kW

n _N	1455 r/min		1755 r/min		2565 r/min		M ₂ [Nm]	i		
f _N	50 Hz		60 Hz		87 Hz					
P _N	4.0 kW		4.8 kW		7.1 kW					
	n ₂ [r/min]	c	n ₂ [r/min]	c	n ₂ [r/min]	c				
	396	3.4	478	3.3	698	2.9	94	3.675	GFL06-2M □□□112C22	422
	313	4.2	378	4.0	553	3.5	118	4.643	GFL07-2M □□□112C22	422
	279	3.2	337	3.0	492	2.7	133	5.211	GFL06-2M □□□112C22	422
	253	3.0	305	2.9	446	2.5	147	5.750	GFL06-2M □□□112C22	422
	226	2.1	272	2.0	398	1.8	164	6.450	GFL06-2M □□□112C22	422
	204	2.4	246	2.3	359	2.0	182	7.147	GFL06-2M □□□112C22	422
	173	2.8	209	2.7	305	2.4	214	8.400	GFL06-2M □□□112C22	422
	154	2.4	186	2.3	271	2.0	241	9.463	GFL06-2M □□□112C22	422
	144	1.8	174	1.7	254	1.5	257	10.092	GFL06-2M □□□112C22	422
	126	2.2	152	2.0	223	1.8	293	11.520	GFL06-2M □□□112C22	422
	112	1.8	135	1.7	198	1.5	331	12.978	GFL06-2M □□□112C22	422
	103	3.2	124	3.0	181	2.6	362	14.200	GFL07-2M □□□112C22	422
	99	1.7	119	1.6	174	1.4	376	14.743	GFL06-2M □□□112C22	422
	92	2.9	110	2.8	161	2.4	405	15.904	GFL07-2M □□□112C22	422
	90	1.6	109	1.5	159	1.3	411	16.128	GFL06-2M □□□112C22	422
	81	2.6	98	2.5	143	2.2	456	17.920	GFL07-2M □□□112C22	422
	80	1.3	97	1.2	141	1.1	463	18.169	GFL06-2M □□□112C22	422
	72	2.4	87	2.3	126	2.0	517	20.286	GFL07-2M □□□112C22	422
	71	1.2	85	1.2	125	1.0	524	20.571	GFL06-2M □□□112C22	422
	64	2.1	77	2.0	112	1.8	582	22.857	GFL07-2M □□□112C22	422
	63	1.0	76	1.0	111	0.9	590	23.175	GFL06-2M □□□112C22	422
	59	2.1	71	2.1	103	2.0	633	24.850	GFL07-2M □□□112C22	422
	58	1.0	70	1.0	102	1.0	642	25.200	GFL06-2M □□□112C22	422
	52	1.7	63	1.7	92	1.7	713	28.000	GFL07-2M □□□112C22	422
	51	0.8	62	0.8			723	28.389	GFL06-2M □□□112C22	422
	45	1.7	54	1.7	79	1.6	824	32.344	GFL07-2M □□□112C22	422
	45	2.6	54	2.6	79	2.4	832	32.667	GFL09-2M □□□112C22	422
	40	1.3	48	1.3	70	1.3	928	36.444	GFL07-2M □□□112C22	422
	40	2.6	48	2.6	70	2.4	938	36.815	GFL09-2M □□□112C22	422
	37	1.4	44	1.4	65	1.3	1010	39.642	GFL07-2M □□□112C22	422
	37	2.2	44	2.2	65	2.1	1010	39.667	GFL09-2M □□□112C22	422
	36	2.7	44	2.7	64	2.6	1025	40.233	GFL11-2M □□□112C22	422
	33	1.1	39	1.1	57	1.1	1138	44.667	GFL07-2M □□□112C22	422
	33	2.2	39	2.2	57	2.1	1139	44.704	GFL09-2M □□□112C22	422
	32	2.7	39	2.7	57	2.6	1155	45.333	GFL11-2M □□□112C22	422
	28	1.8	34	1.8	50	1.7	1308	51.333	GFL09-2M □□□112C22	422
	28	2.2	34	2.2	49	2.1	1326	52.067	GFL11-2M □□□112C22	422
	28	2.7	34	2.7	49	2.6	1326	52.067	GFL14-2M □□□112C22	422
	25	1.8	30	1.8	44	1.7	1474	57.852	GFL09-2M □□□112C22	422
	25	2.2	30	2.2	44	2.1	1494	58.667	GFL11-2M □□□112C22	422
	25	2.7	30	2.7	44	2.6	1494	58.667	GFL14-2M □□□112C22	422



GFL

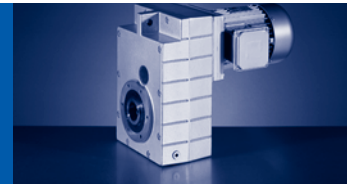
GFL [Nm] - MH□MA (IE2)

50 Hz: P_N=4.0 kW

60 Hz: P_N=4.8 kW

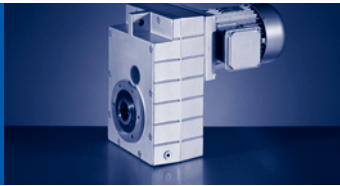
87 Hz: P_N=7.1 kW

n _N	1455 r/min		1755 r/min		2565 r/min		M ₂ [Nm]	i		
f _N	50 Hz		60 Hz		87 Hz					
P _N	4.0 kW		4.8 kW		7.1 kW					
	n ₂ [r/min]	c	n ₂ [r/min]	c	n ₂ [r/min]	c				
	23	1.0	28	1.0	41	0.9	1589	63.326	GFL09-3M □□□112C22	430
	23	1.5	28	1.5	41	1.4	1587	62.300	GFL09-2M □□□112C22	422
	23	1.8	28	1.8	41	1.7	1610	63.190	GFL11-2M □□□112C22	422
	23	2.3	28	2.3	41	2.2	1610	63.190	GFL14-2M □□□112C22	422
	22	1.8	27	1.8	39	1.8	1638	65.306	GFL11-3M □□□112C22	430
	21	1.4	25	1.4	37	1.4	1788	70.211	GFL09-2M □□□112C22	422
	21	3.1	26	3.1	37	3.1	1724	68.708	GFL14-3M □□□112C22	430
	20	0.8	24	0.8	35	0.8	1836	73.173	GFL09-3M □□□112C22	430
	20	1.6	24	1.6	35	1.6	1840	73.335	GFL11-3M □□□112C22	430
	20	1.8	25	1.8	36	1.8	1814	71.200	GFL11-2M □□□112C22	422
	20	2.3	25	2.3	36	2.3	1814	71.200	GFL14-2M □□□112C22	422
	19	3.1	23	3.1	33	3.1	1942	77.418	GFL14-3M □□□112C22	430
	18	0.8	21	0.8	31	0.8	2069	82.465	GFL09-3M □□□112C22	430
	18	1.5	22	1.5	32	1.5	2035	79.875	GFL11-2M □□□112C22	422
	18	1.6	21	1.6	31	1.6	2073	82.631	GFL11-3M □□□112C22	430
	18	1.8	22	1.8	32	1.8	2035	79.875	GFL14-2M □□□112C22	422
	17	2.9	21	2.9	30	2.9	2134	85.037	GFL14-3M □□□112C22	430
	16	1.4	19	1.4	27	1.4	2347	93.540	GFL11-3M □□□112C22	430
	16	1.5	20	1.5	29	1.5	2292	90.000	GFL11-2M □□□112C22	422
	16	1.8	20	1.8	29	1.8	2292	90.000	GFL14-2M □□□112C22	422
	14	1.4	17	1.4	24	1.4	2644	105.397	GFL11-3M □□□112C22	430
	14	2.6	17	2.6	25	2.6	2632	104.889	GFL14-3M □□□112C22	430
	13	1.2	15	1.2	22	1.2	2875	114.586	GFL11-3M □□□112C22	430
	13	2.4	15	2.4	23	2.4	2863	114.126	GFL14-3M □□□112C22	430
	11	1.2	14	1.2	20	1.2	3239	129.111	GFL11-3M □□□112C22	430
	11	2.1	13	2.1	19	2.1	3434	136.889	GFL14-3M □□□112C22	430
	11	2.4	14	2.4	20	2.4	3226	128.593	GFL14-3M □□□112C22	430
	9.8	1.0	12	1.0	17	1.0	3742	149.144	GFL11-3M □□□112C22	430
	9.3	2.1	11	2.1	16	2.1	3918	156.148	GFL14-3M □□□112C22	430
	8.7	1.0	10	1.0	15	1.0	4216	168.049	GFL11-3M □□□112C22	430
	8.6	2.0	10	2.0	15	2.0	4267	170.074	GFL14-3M □□□112C22	430
	8	0.9	9.6	0.9	14	0.9	4586	182.792	GFL11-3M □□□112C22	430
	7.2	1.8	8.7	1.8	13	1.8	5070	202.074	GFL14-3M □□□112C22	430
	7.1	0.9	8.5	0.9	13	0.9	5167	205.963	GFL11-3M □□□112C22	430
	6.5	0.8	7.8	0.8	11	0.8	5636	224.636	GFL11-3M □□□112C22	430
	6.5	1.6	7.8	1.6	11	1.6	5636	224.636	GFL14-3M □□□112C22	430
	5.8	0.8	6.9	0.8	10	0.8	6350	253.111	GFL11-3M □□□112C22	430
	5.8	1.6	6.9	1.6	10	1.6	6350	253.111	GFL14-3M □□□112C22	430
	5.3	1.4	6.4	1.4	9.4	1.4	6869	273.778	GFL14-3M □□□112C22	430
	4.4	1.3	5.3	1.3	7.7	1.3	8341	332.444	GFL14-3M □□□112C22	430
	4.1	1.2	5	1.2	7.3	1.2	8852	352.811	GFL14-3M □□□112C22	430



50 Hz: $P_N=4.0$ kW
60 Hz: $P_N=4.8$ kW
87 Hz: $P_N=7.1$ kW

n _N	1455 r/min		1755 r/min		2565 r/min		M ₂ [Nm]	i		
f _N	50 Hz		60 Hz		87 Hz					
P _N	4.0 kW		4.8 kW		7.1 kW					
	n ₂ [r/min]	c	n ₂ [r/min]	c	n ₂ [r/min]	c				
	3.7	1.2	4.4	1.2	6.5	1.2	9974	397.533	GFL14-3M □□□112C22	430
	3.4	1.0	4.1	1.0	6	1.0	10794	430.222	GFL14-3M □□□112C22	430
	2.8	0.8	3.4	0.8	4.9	0.8	13100	522.133	GFL14-3M □□□112C22	430



GFL

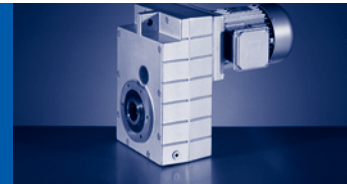
GFL [Nm] - MH□MA (IE2)

50 Hz: $P_N=5.5$ kW

60 Hz: $P_N=6.6$ kW

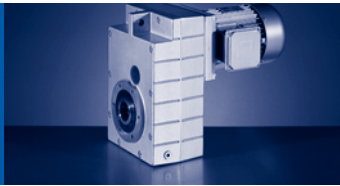
87 Hz: $P_N=9.7$ kW

n _N	1470 r/min		1770 r/min		2580 r/min		M ₂ [Nm]	i		
f _N	50 Hz		60 Hz		87 Hz					
P _N	5.5 kW		6.6 kW		9.7 kW					
	n ₂ [r/min]	c	n ₂ [r/min]	c	n ₂ [r/min]	c				
	439	5.5	528	5.2	770	4.6	116	3.350	GFL07-2M □□□132C12	422
	400	2.7	482	2.5	702	2.2	127	3.675	GFL06-2M□□□132C12	422
	317	4.1	381	3.8	556	3.4	161	4.643	GFL07-2M □□□132C12	422
	285	4.8	343	4.5	500	4.0	179	5.159	GFL07-2M □□□132C12	422
	282	2.3	340	2.2	495	2.0	181	5.211	GFL06-2M□□□132C12	422
	258	4.6	311	4.4	453	3.9	197	5.695	GFL07-2M □□□132C12	422
	256	2.2	308	2.1	449	1.9	199	5.750	GFL06-2M□□□132C12	422
	230	3.0	277	2.8	403	2.5	222	6.400	GFL07-2M □□□132C12	422
	228	1.6	274	1.5	400	1.3	224	6.450	GFL06-2M□□□132C12	422
	206	1.8	248	1.7	361	1.5	248	7.147	GFL06-2M□□□132C12	422
	206	3.7	248	3.5	361	3.1	248	7.150	GFL07-2M □□□132C12	422
	177	3.4	213	3.3	310	2.9	289	8.324	GFL07-2M □□□132C12	422
	175	2.1	211	2.0	307	1.7	291	8.400	GFL06-2M□□□132C12	422
	157	3.1	189	2.9	275	2.6	325	9.379	GFL07-2M □□□132C12	422
	155	1.8	187	1.7	273	1.5	328	9.463	GFL06-2M□□□132C12	422
	151	2.9	182	2.7	266	2.4	337	9.714	GFL07-2M □□□132C12	422
	146	1.3	175	1.2	256	1.1	350	10.092	GFL06-2M□□□132C12	422
	128	1.6	154	1.5	224	1.3	399	11.520	GFL06-2M□□□132C12	422
	127	2.7	153	2.6	224	2.3	400	11.538	GFL07-2M □□□132C12	422
	113	1.3	136	1.2	199	1.1	450	12.978	GFL06-2M□□□132C12	422
	113	2.4	136	2.3	199	2.0	451	13.000	GFL07-2M □□□132C12	422
	104	2.3	125	2.2	182	1.9	492	14.200	GFL07-2M □□□132C12	422
	100	1.3	120	1.2	175	1.1	511	14.743	GFL06-2M□□□132C12	422
	92	2.1	111	2.0	162	1.8	551	15.904	GFL07-2M □□□132C12	422
	91	1.2	110	1.1	160	1.0	559	16.128	GFL06-2M□□□132C12	422
	82	1.9	99	1.8	144	1.6	621	17.920	GFL07-2M □□□132C12	422
	81	1.0	97	0.9			630	18.169	GFL06-2M□□□132C12	422
	73	1.8	87	1.7	127	1.5	703	20.286	GFL07-2M □□□132C12	422
	72	0.9	86	0.9			713	20.571	GFL06-2M□□□132C12	422
	64	1.6	77	1.5	113	1.3	792	22.857	GFL07-2M □□□132C12	422
	59	1.6	71	1.6	104	1.5	861	24.850	GFL07-2M □□□132C12	422
	54	2.9	65	2.9	95	2.8	942	27.173	GFL09-2M □□□132C12	422
	53	1.3	63	1.3	92	1.2	971	28.000	GFL07-2M □□□132C12	422
	45	2.6	54	2.6	79	2.5	1132	32.667	GFL09-2M □□□132C12	422
	40	2.4	48	2.4	70	2.2	1276	36.815	GFL09-2M □□□132C12	422
	37	2.3	45	2.3	65	2.1	1375	39.667	GFL09-2M □□□132C12	422
	33	2.0	40	2.0	58	1.9	1550	44.704	GFL09-2M □□□132C12	422
	32	3.1	39	3.1	57	3.0	1572	45.333	GFL11-2M □□□132C12	422
	28	2.9	34	2.9	50	2.8	1805	52.067	GFL11-2M □□□132C12	422
	25	2.6	30	2.6	44	2.5	2034	58.667	GFL11-2M □□□132C12	422
	23	1.3	27	1.3	40	1.3	2230	65.306	GFL11-3M □□□132C12	430



50 Hz: $P_N=5.5$ kW
60 Hz: $P_N=6.6$ kW
87 Hz: $P_N=9.7$ kW

n _N	1470 r/min		1770 r/min		2580 r/min		M ₂ [Nm]	i		
f _N	50 Hz		60 Hz		87 Hz					
P _N	5.5 kW		6.6 kW		9.7 kW					
	n ₂ [r/min]	c	n ₂ [r/min]	c	n ₂ [r/min]	c				
	23	2.5	28	2.5	41	2.4	2191	63.190	GFL11-2M □□□132C12	422
	23	2.6	28	2.6	40	2.4	2195	64.296	GFL14-3M □□□132C12	430
	21	2.3	26	2.3	38	2.3	2346	68.708	GFL14-3M □□□132C12	430
	21	2.3	25	2.3	36	2.3	2468	71.200	GFL11-2M □□□132C12	422
	20	1.2	24	1.2	35	1.2	2504	73.335	GFL11-3M □□□132C12	430
	19	2.3	23	2.3	33	2.3	2643	77.418	GFL14-3M □□□132C12	430
	18	1.2	21	1.2	31	1.2	2821	82.631	GFL11-3M □□□132C12	430
	18	2.5	22	2.5	32	2.5	2769	79.875	GFL14-2M □□□132C12	422
	17	2.2	21	2.2	30	2.2	2904	85.037	GFL14-3M □□□132C12	430
	16	1.0	19	1.0	28	1.0	3194	93.540	GFL11-3M □□□132C12	430
	16	2.5	20	2.5	29	2.5	3120	90.000	GFL14-2M □□□132C12	422
	14	1.0	17	1.0	25	1.0	3599	105.397	GFL11-3M □□□132C12	430
	14	1.9	17	1.9	25	1.9	3581	104.889	GFL14-3M □□□132C12	430
	13	0.9	15	0.9	23	0.9	3913	114.586	GFL11-3M □□□132C12	430
	13	1.7	16	1.7	23	1.7	3897	114.126	GFL14-3M □□□132C12	430
	11	0.9	14	0.9	20	0.9	4409	129.111	GFL11-3M □□□132C12	430
	11	1.6	13	1.6	19	1.6	4674	136.889	GFL14-3M □□□132C12	430
	11	1.7	14	1.7	20	1.7	4391	128.593	GFL14-3M □□□132C12	430
	9.4	1.5	11	1.5	17	1.5	5332	156.148	GFL14-3M □□□132C12	430
	8.6	1.5	10	1.5	15	1.5	5807	170.074	GFL14-3M □□□132C12	430
	6.5	1.1	7.9	1.1	12	1.1	7670	224.636	GFL14-3M □□□132C12	430
	5.8	1.1	7	1.1	10	1.1	8642	253.111	GFL14-3M □□□132C12	430
	5.4	1.0	6.5	1.0	9.4	1.0	9348	273.778	GFL14-3M □□□132C12	430
	4.4	0.9	5.3	0.9	7.8	0.9	11351	332.444	GFL14-3M □□□132C12	430

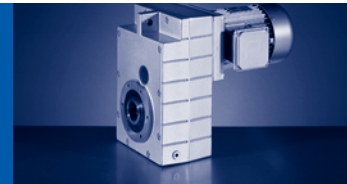


GFL

GFL [Nm] - MH□MA (IE2)

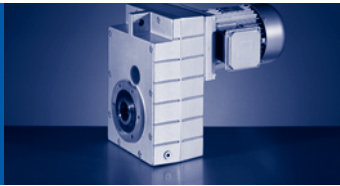
50 Hz: P_N=7.5 kW
 60 Hz: P_N=9.0 kW
 87 Hz: P_N=13.2 kW

n _N	1460 r/min		1760 r/min		2570 r/min		M ₂ [Nm]	i		
f _N	50 Hz		60 Hz		87 Hz					
P _N	7.5 kW		9.0 kW		13.2 kW					
	n ₂ [r/min]	c	n ₂ [r/min]	c	n ₂ [r/min]	c				
	436	4.0	525	3.8	767	3.4	159	3.350	GFL07-2M □□□132C22	422
	397	1.9	479	1.8	699	1.6	175	3.675	GFL06-2M□□□132C22	422
	315	3.0	379	2.8	554	2.5	221	4.643	GFL07-2M □□□132C22	422
	283	3.5	341	3.3	498	2.9	246	5.159	GFL07-2M □□□132C22	422
	280	1.7	338	1.6	493	1.4	248	5.211	GFL06-2M□□□132C22	422
	256	3.4	309	3.2	451	2.8	271	5.695	GFL07-2M □□□132C22	422
	254	1.6	306	1.5	447	1.4	274	5.750	GFL06-2M□□□132C22	422
	228	2.2	275	2.1	402	1.8	305	6.400	GFL07-2M □□□132C22	422
	226	1.2	273	1.1	398	1.0	307	6.450	GFL06-2M□□□132C22	422
	204	1.3	246	1.2	360	1.1	340	7.147	GFL06-2M□□□132C22	422
	204	2.7	246	2.6	359	2.3	340	7.150	GFL07-2M □□□132C22	422
	175	2.5	211	2.4	309	2.1	396	8.324	GFL07-2M □□□132C22	422
	174	1.5	210	1.4	306	1.3	400	8.400	GFL06-2M□□□132C22	422
	156	2.2	188	2.1	274	1.9	446	9.379	GFL07-2M □□□132C22	422
	154	1.3	186	1.2	272	1.1	450	9.463	GFL06-2M□□□132C22	422
	150	2.1	181	2.0	265	1.8	462	9.714	GFL07-2M □□□132C22	422
	145	1.0	174	0.9			480	10.092	GFL06-2M□□□132C22	422
	127	1.2	153	1.1	223	1.0	548	11.520	GFL06-2M□□□132C22	422
	127	2.0	153	1.9	223	1.6	549	11.538	GFL07-2M □□□132C22	422
	113	1.0	136	0.9	198	0.8	618	12.978	GFL06-2M□□□132C22	422
	112	1.8	135	1.7	198	1.5	619	13.000	GFL07-2M □□□132C22	422
	103	1.7	124	1.6	181	1.4	676	14.200	GFL07-2M □□□132C22	422
	99	0.9	119	0.9			702	14.743	GFL06-2M□□□132C22	422
	92	1.6	111	1.5	162	1.3	757	15.904	GFL07-2M □□□132C22	422
	91	0.8					768	16.128	GFL06-2M□□□132C22	422
	89	3.2	108	3.0	157	2.7	777	16.333	GFL09-2M □□□132C22	422
	82	1.4	98	1.3	143	1.2	853	17.920	GFL07-2M □□□132C22	422
	79	2.8	96	2.7	140	2.4	876	18.407	GFL09-2M □□□132C22	422
	74	2.7	90	2.6	131	2.3	936	19.667	GFL09-2M □□□132C22	422
	72	1.3	87	1.2	127	1.1	966	20.286	GFL07-2M □□□132C22	422
	66	2.5	79	2.4	116	2.1	1055	22.164	GFL09-2M □□□132C22	422
	64	1.1	77	1.1	112	1.0	1088	22.857	GFL07-2M □□□132C22	422
	61	2.4	73	2.4	107	2.3	1148	24.111	GFL09-2M □□□132C22	422
	59	1.1	71	1.1	103	1.1	1183	24.850	GFL07-2M □□□132C22	422
	54	2.1	65	2.1	95	2.0	1293	27.173	GFL09-2M □□□132C22	422
	52	0.9	63	0.9	92	0.9	1333	28.000	GFL07-2M □□□132C22	422
	52	3.2	63	3.2	92	3.0	1333	28.000	GFL11-2M □□□132C22	422
	45	1.9	54	1.9	79	1.8	1555	32.667	GFL09-2M □□□132C22	422
	45	3.0	54	3.0	79	2.8	1558	32.739	GFL11-2M □□□132C22	422
	40	1.7	48	1.7	70	1.6	1752	36.815	GFL09-2M □□□132C22	422
	40	2.6	48	2.6	70	2.5	1756	36.889	GFL11-2M □□□132C22	422



50 Hz: P_N=7.5 kW
60 Hz: P_N=9.0 kW
87 Hz: P_N=13.2 kW

n _N	1460 r/min		1760 r/min		2570 r/min		M ₂ [Nm]	i		
f _N	50 Hz		60 Hz		87 Hz					
P _N	7.5 kW		9.0 kW		13.2 kW					
	n ₂ [r/min]	c	n ₂ [r/min]	c	n ₂ [r/min]	c				
	37	1.7	44	1.7	65	1.6	1888	39.667	GFL09-2M □□□132C22	422
	36	2.6	44	2.6	64	2.4	1915	40.233	GFL11-2M □□□132C22	422
	33	1.4	39	1.4	58	1.4	2128	44.704	GFL09-2M □□□132C22	422
	32	2.3	39	2.3	57	2.2	2158	45.333	GFL11-2M □□□132C22	422
	28	2.1	34	2.1	49	2.0	2478	52.067	GFL11-2M □□□132C22	422
	28	3.1	34	3.1	49	2.9	2478	52.067	GFL14-2M □□□132C22	422
	25	1.9	30	1.9	44	1.8	2792	58.667	GFL11-2M □□□132C22	422
	25	3.1	30	3.1	44	2.9	2792	58.667	GFL14-2M □□□132C22	422
	23	1.9	28	1.9	41	1.8	3008	63.190	GFL11-2M □□□132C22	422
	23	1.9	27	1.9	40	1.8	3014	64.296	GFL14-3M □□□132C22	430
	23	2.6	28	2.6	41	2.5	3008	63.190	GFL14-2M □□□132C22	422
	22	0.9	27	0.9	39	0.9	3062	65.306	GFL11-3M □□□132C22	430
	21	1.6	25	1.6	36	1.6	3389	71.200	GFL11-2M □□□132C22	422
	21	1.7	26	1.7	37	1.7	3221	68.708	GFL14-3M □□□132C22	430
	21	2.6	25	2.6	36	2.6	3389	71.200	GFL14-2M □□□132C22	422
	20	0.8	24	0.8	35	0.8	3438	73.335	GFL11-3M □□□132C22	430
	19	1.7	23	1.7	33	1.7	3629	77.418	GFL14-3M □□□132C22	430
	18	0.8	21	0.8	31	0.8	3874	82.631	GFL11-3M □□□132C22	430
	18	1.9	22	1.9	32	1.9	3802	79.875	GFL14-2M □□□132C22	422
	17	1.6	21	1.6	30	1.6	3987	85.037	GFL14-3M □□□132C22	430
	16	1.9	20	1.9	29	1.9	4284	90.000	GFL14-2M □□□132C22	422
	14	1.4	17	1.4	25	1.4	4917	104.889	GFL14-3M □□□132C22	430
	13	1.3	15	1.3	23	1.3	5350	114.126	GFL14-3M □□□132C22	430
	11	1.2	13	1.2	19	1.2	6417	136.889	GFL14-3M □□□132C22	430
	11	1.3	14	1.3	20	1.3	6028	128.593	GFL14-3M □□□132C22	430
	9.4	1.1	11	1.1	17	1.1	7320	156.148	GFL14-3M □□□132C22	430
	8.6	1.1	10	1.1	15	1.1	7973	170.074	GFL14-3M □□□132C22	430
	6.5	0.8	7.8	0.8	11	0.8	10531	224.636	GFL14-3M □□□132C22	430
	5.8	0.8	7	0.8	10	0.8	11866	253.111	GFL14-3M □□□132C22	430



GFL

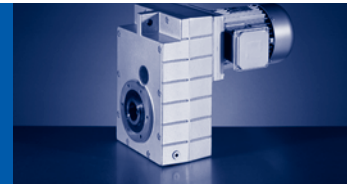
GFL [Nm] - MH□MA (IE2)

50 Hz: P_N=11.0 kW

60 Hz: P_N=13.2 kW

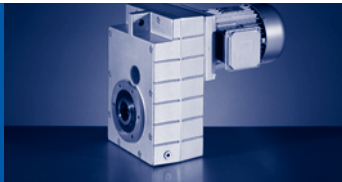
87 Hz: P_N=19.4 kW

n _N	1470 r/min		1770 r/min		2580 r/min		M ₂ [Nm]	i		
f _N	50 Hz		60 Hz		87 Hz					
P _N	11.0 kW		13.2 kW		19.4 kW					
	n ₂ [r/min]	c	n ₂ [r/min]	c	n ₂ [r/min]	c				
	439	2.8	528	2.6	770	2.3	232	3.350	GFL07-2M □□□160C22	422
	317	2.0	381	1.9	556	1.7	322	4.643	GFL07-2M □□□160C22	422
	285	2.4	343	2.3	500	2.0	358	5.159	GFL07-2M □□□160C22	422
	258	2.3	311	2.2	453	1.9	395	5.695	GFL07-2M □□□160C22	422
	230	1.5	277	1.4	403	1.3	444	6.400	GFL07-2M □□□160C22	422
	206	1.9	248	1.8	361	1.6	496	7.150	GFL07-2M □□□160C22	422
	177	1.7	213	1.6	310	1.4	577	8.324	GFL07-2M □□□160C22	422
	157	1.5	189	1.5	275	1.3	650	9.379	GFL07-2M □□□160C22	422
	151	1.4	182	1.4	266	1.2	674	9.714	GFL07-2M □□□160C22	422
	132	3.0	159	2.8	231	2.5	774	11.167	GFL09-2M □□□160C22	422
	127	1.4	153	1.3	224	1.1	800	11.538	GFL07-2M □□□160C22	422
	119	2.6	144	2.5	210	2.2	853	12.307	GFL09-2M □□□160C22	422
	113	1.2	136	1.1	199	1.0	901	13.000	GFL07-2M □□□160C22	422
	104	1.2	125	1.1	182	1.0	985	14.200	GFL07-2M □□□160C22	422
	103	2.4	124	2.3	180	2.0	994	14.333	GFL09-2M □□□160C22	422
	92	1.1	111	1.0	162	0.9	1103	15.904	GFL07-2M □□□160C22	422
	90	2.2	108	2.1	158	1.8	1132	16.333	GFL09-2M □□□160C22	422
	82	1.0	99	0.9			1242	17.920	GFL07-2M □□□160C22	422
	82	3.1	99	2.9	144	2.6	1242	17.920	GFL11-2M □□□160C22	422
	80	1.9	96	1.8	140	1.6	1276	18.407	GFL09-2M □□□160C22	422
	75	1.9	90	1.8	131	1.6	1364	19.667	GFL09-2M □□□160C22	422
	73	2.9	87	2.7	127	2.4	1406	20.286	GFL11-2M □□□160C22	422
	66	1.7	80	1.6	116	1.4	1537	22.164	GFL09-2M □□□160C22	422
	64	2.6	77	2.4	113	2.1	1585	22.857	GFL11-2M □□□160C22	422
	61	1.6	73	1.6	107	1.5	1672	24.111	GFL09-2M □□□160C22	422
	59	2.5	71	2.5	104	2.4	1723	24.850	GFL11-2M □□□160C22	422
	54	1.5	65	1.5	95	1.4	1884	27.173	GFL09-2M □□□160C22	422
	53	2.2	63	2.2	92	2.1	1941	28.000	GFL11-2M □□□160C22	422
	45	2.0	54	2.0	79	1.9	2270	32.739	GFL11-2M □□□160C22	422
	40	1.8	48	1.8	70	1.7	2558	36.889	GFL11-2M □□□160C22	422
	37	1.8	44	1.8	64	1.7	2789	40.233	GFL11-2M □□□160C22	422
	32	1.6	39	1.6	57	1.5	3143	45.333	GFL11-2M □□□160C22	422
	28	2.8	34	2.8	50	2.7	3610	52.067	GFL14-2M □□□160C22	422
	25	2.8	30	2.8	44	2.6	4067	58.667	GFL14-2M □□□160C22	422
	23	1.3	28	1.3	40	1.2	4391	64.296	GFL14-3M □□□160C22	430
	23	2.3	28	2.3	41	2.2	4381	63.190	GFL14-2M □□□160C22	422
	21	1.2	26	1.2	38	1.2	4692	68.708	GFL14-3M □□□160C22	430
	21	2.2	25	2.2	36	2.2	4936	71.200	GFL14-2M □□□160C22	422
	19	1.2	23	1.2	33	1.2	5287	77.418	GFL14-3M □□□160C22	430
	17	1.1	21	1.1	30	1.1	5807	85.037	GFL14-3M □□□160C22	430



50 Hz: P_N=15.0 kW
60 Hz: P_N=18.0 kW
87 Hz: P_N=26.4 kW

n _N	1470 r/min		1770 r/min		2580 r/min		M ₂ [Nm]	i		
f _N	50 Hz		60 Hz		87 Hz					
P _N	15.0 kW		18.0 kW		26.4 kW					
	n ₂ [r/min]	c	n ₂ [r/min]	c	n ₂ [r/min]	c				
	439	2.0	528	1.9	770	1.7	317	3.350	GFL07-2M □□□160C32	422
	317	1.5	381	1.4	556	1.2	439	4.643	GFL07-2M □□□160C32	422
	285	1.7	343	1.7	500	1.5	488	5.159	GFL07-2M □□□160C32	422
	258	1.7	311	1.6	453	1.4	538	5.695	GFL07-2M □□□160C32	422
	230	1.1	277	1.0	403	0.9	605	6.400	GFL07-2M □□□160C32	422
	214	3.2	258	3.1	376	2.7	649	6.864	GFL09-2M □□□160C32	422
	206	1.4	248	1.3	361	1.1	676	7.150	GFL07-2M □□□160C32	422
	197	3.1	237	2.9	346	2.6	706	7.466	GFL09-2M □□□160C32	422
	177	1.3	213	1.2	310	1.1	787	8.324	GFL07-2M □□□160C32	422
	163	2.6	197	2.5	286	2.2	852	9.010	GFL09-2M □□□160C32	422
	157	1.1	189	1.1	275	0.9	887	9.379	GFL07-2M □□□160C32	422
	151	1.1	182	1.0	266	0.9	918	9.714	GFL07-2M □□□160C32	422
	150	2.5	181	2.4	263	2.1	926	9.799	GFL09-2M □□□160C32	422
	132	2.2	159	2.1	231	1.8	1056	11.167	GFL09-2M □□□160C32	422
	127	1.0	153	0.9	224	0.8	1091	11.538	GFL07-2M □□□160C32	422
	119	1.9	144	1.8	210	1.6	1164	12.307	GFL09-2M □□□160C32	422
	118	2.9	142	2.8	207	2.5	1180	12.480	GFL11-2M □□□160C32	422
	113	0.9	136	0.8			1229	13.000	GFL07-2M □□□160C32	422
	104	0.9	125	0.8			1343	14.200	GFL07-2M □□□160C32	422
	103	1.8	124	1.7	180	1.5	1355	14.333	GFL09-2M □□□160C32	422
	101	2.7	122	2.6	178	2.3	1374	14.538	GFL11-2M □□□160C32	422
	92	2.5	111	2.4	162	2.1	1504	15.904	GFL11-2M □□□160C32	422
	90	1.6	108	1.5	158	1.3	1544	16.333	GFL09-2M □□□160C32	422
	82	2.2	99	2.1	144	1.9	1694	17.920	GFL11-2M □□□160C32	422
	80	1.4	96	1.4	140	1.2	1740	18.407	GFL09-2M □□□160C32	422
	75	1.4	90	1.3	131	1.2	1859	19.667	GFL09-2M □□□160C32	422
	73	2.1	87	2.0	127	1.8	1918	20.286	GFL11-2M □□□160C32	422
	66	1.3	80	1.2	116	1.0	2095	22.164	GFL09-2M □□□160C32	422
	64	1.9	77	1.8	113	1.6	2161	22.857	GFL11-2M □□□160C32	422
	61	1.2	73	1.2	107	1.1	2280	24.111	GFL09-2M □□□160C32	422
	59	1.8	71	1.8	104	1.7	2349	24.850	GFL11-2M □□□160C32	422
	54	1.1	65	1.1	95	1.0	2569	27.173	GFL09-2M □□□160C32	422
	53	1.6	63	1.6	92	1.5	2647	28.000	GFL11-2M □□□160C32	422
	45	1.5	54	1.5	79	1.4	3095	32.739	GFL11-2M □□□160C32	422
	45	3.1	55	3.1	80	2.9	3058	32.344	GFL14-2M □□□160C32	422
	40	1.3	48	1.3	70	1.3	3488	36.889	GFL11-2M □□□160C32	422
	40	3.1	49	3.1	71	2.9	3446	36.444	GFL14-2M □□□160C32	422
	37	1.3	44	1.3	64	1.2	3804	40.233	GFL11-2M □□□160C32	422
	37	2.6	45	2.6	65	2.5	3748	39.642	GFL14-2M □□□160C32	422
	33	2.6	40	2.6	58	2.5	4223	44.667	GFL14-2M □□□160C32	422
	32	1.1	39	1.1	57	1.1	4286	45.333	GFL11-2M □□□160C32	422

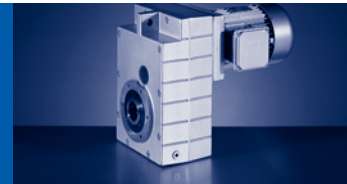


GFL

GFL [Nm] - MH□MA (IE2)

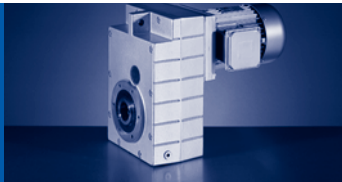
50 Hz: $P_N=15.0$ kW
 60 Hz: $P_N=18.0$ kW
 87 Hz: $P_N=26.4$ kW

n _N	1470 r/min		1770 r/min		2580 r/min		M ₂ [Nm]	i		
f _N	50 Hz		60 Hz		87 Hz					
P _N	15.0 kW		18.0 kW		26.4 kW					
	n ₂ [r/min]	c	n ₂ [r/min]	c	n ₂ [r/min]	c				
	28	2.1	34	2.1	50	1.9	4922	52.067	GFL14-2M □□□160C32	422
	25	2.0	30	2.0	44	1.9	5546	58.667	GFL14-2M □□□160C32	422
	23	0.9	28	0.9	40	0.9	5987	64.296	GFL14-3M □□□160C32	430
	23	1.7	28	1.7	41	1.6	5974	63.190	GFL14-2M □□□160C32	422
	21	0.9	26	0.9	38	0.9	6398	68.708	GFL14-3M □□□160C32	430
	21	1.6	25	1.6	36	1.6	6731	71.200	GFL14-2M □□□160C32	422
	19	0.9	23	0.9	33	0.9	7209	77.418	GFL14-3M □□□160C32	430



50 Hz: P_N=18.5 kW
60 Hz: P_N=22.2 kW
87 Hz: P_N=32.5 kW

n _N	1475 r/min		1775 r/min		2585 r/min		M ₂ [Nm]	i		
f _N	50 Hz		60 Hz		87 Hz					
P _N	18.5 kW		22.2 kW		32.5 kW					
	n ₂ [r/min]	c	n ₂ [r/min]	c	n ₂ [r/min]	c				
	215	2.6	259	2.5	377	2.2	798	6.864	GFL09-2M □□□180C12	422
	215	2.8	259	2.7	377	2.4	798	6.864	GFL11-2M □□□180C12	422
	198	2.5	238	2.4	346	2.1	868	7.466	GFL09-2M □□□180C12	422
	198	2.8	238	2.7	346	2.4	868	7.466	GFL11-2M □□□180C12	422
	168	2.8	202	2.7	294	2.4	1023	8.800	GFL14-2M □□□180C12	422
	164	2.1	197	2.0	287	1.8	1047	9.010	GFL09-2M □□□180C12	422
	164	2.8	197	2.7	287	2.4	1047	9.010	GFL11-2M □□□180C12	422
	154	2.8	185	2.7	270	2.4	1112	9.571	GFL14-2M □□□180C12	422
	151	2.0	181	1.9	264	1.7	1139	9.799	GFL09-2M □□□180C12	422
	151	2.8	181	2.7	264	2.4	1139	9.799	GFL11-2M □□□180C12	422
	138	2.8	166	2.7	241	2.4	1246	10.720	GFL11-2M □□□180C12	422
	132	1.8	159	1.7	232	1.5	1298	11.167	GFL09-2M □□□180C12	422
	120	1.6	144	1.5	210	1.3	1430	12.307	GFL09-2M □□□180C12	422
	118	2.4	142	2.3	207	2.0	1450	12.480	GFL11-2M □□□180C12	422
	104	2.8	125	2.7	182	2.4	1650	14.200	GFL14-2M □□□180C12	422
	103	1.4	124	1.4	180	1.2	1666	14.333	GFL09-2M □□□180C12	422
	102	2.2	122	2.1	178	1.8	1689	14.538	GFL11-2M □□□180C12	422
	94	2.8	114	2.7	166	2.4	1815	15.620	GFL14-2M □□□180C12	422
	93	2.1	112	1.9	163	1.7	1848	15.904	GFL11-2M □□□180C12	422
	90	1.3	109	1.2	158	1.1	1898	16.333	GFL09-2M □□□180C12	422
	84	2.8	101	2.7	147	2.4	2045	17.600	GFL14-2M □□□180C12	422
	82	1.8	99	1.7	144	1.5	2082	17.920	GFL11-2M □□□180C12	422
	80	1.2	96	1.1	140	1.0	2139	18.407	GFL09-2M □□□180C12	422
	75	1.1	90	1.1	131	0.9	2285	19.667	GFL09-2M □□□180C12	422
	74	2.8	89	2.7	130	2.4	2318	19.948	GFL14-2M □□□180C12	422
	73	1.7	88	1.6	127	1.4	2357	20.286	GFL11-2M □□□180C12	422
	67	1.0	80	1.0	117	0.9	2576	22.164	GFL09-2M □□□180C12	422
	66	2.8	79	2.7	115	2.4	2612	22.476	GFL14-2M □□□180C12	422
	65	1.5	78	1.4	113	1.3	2656	22.857	GFL11-2M □□□180C12	422
	61	1.0	74	1.0	107	0.9	2802	24.111	GFL09-2M □□□180C12	422
	60	2.7	73	2.7	106	2.5	2842	24.456	GFL14-2M □□□180C12	422
	59	1.5	71	1.5	104	1.4	2888	24.850	GFL11-2M □□□180C12	422
	54	0.9	65	0.9	95	0.8	3158	27.173	GFL09-2M □□□180C12	422
	54	2.7	64	2.7	94	2.5	3202	27.556	GFL14-2M □□□180C12	422
	53	1.3	63	1.3	92	1.2	3254	28.000	GFL11-2M □□□180C12	422
	46	2.1	55	2.1	80	2.0	3759	32.344	GFL14-2M □□□180C12	422
	45	1.2	54	1.2	79	1.2	3804	32.739	GFL11-2M □□□180C12	422
	41	2.1	49	2.1	71	2.0	4235	36.444	GFL14-2M □□□180C12	422
	40	1.1	48	1.1	70	1.0	4287	36.889	GFL11-2M □□□180C12	422
	37	1.0	44	1.0	64	1.0	4675	40.233	GFL11-2M □□□180C12	422
	37	1.8	45	1.8	65	1.7	4607	39.642	GFL14-2M □□□180C12	422



GFL

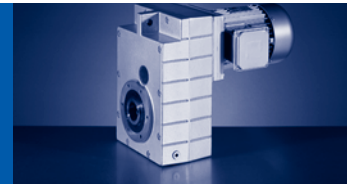
GFL [Nm] - MH□MA (IE2)

50 Hz: $P_N=18.5$ kW

60 Hz: $P_N=22.2$ kW

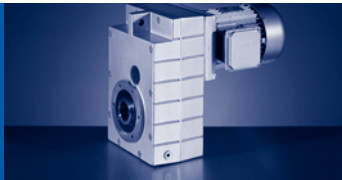
87 Hz: $P_N=32.5$ kW

n _N	1475 r/min		1775 r/min		2585 r/min		M ₂ [Nm]	i		
f _N	50 Hz		60 Hz		87 Hz					
P _N	18.5 kW		22.2 kW		32.5 kW					
	n ₂ [r/min]	c	n ₂ [r/min]	c	n ₂ [r/min]	c				
	33	0.9	39	0.9	57	0.9	5268	45.333	GFL11-2M □□□180C12	422
	33	1.8	40	1.8	58	1.7	5191	44.667	GFL14-2M □□□180C12	422
	28	1.4	34	1.4	50	1.4	6050	52.067	GFL14-2M □□□180C12	422
	25	1.4	30	1.4	44	1.4	6817	58.667	GFL14-2M □□□180C12	422
	23	1.2	28	1.2	41	1.2	7343	63.190	GFL14-2M □□□180C12	422
	21	1.2	25	1.2	36	1.2	8274	71.200	GFL14-2M □□□180C12	422



50 Hz: P_N=22.0 kW
60 Hz: P_N=26.4 kW
87 Hz: P_N=38.7 kW

n _N	1470 r/min		1770 r/min		2580 r/min		M ₂ [Nm]	i		
f _N	50 Hz		60 Hz		87 Hz					
P _N	22.0 kW		26.4 kW		38.7 kW					
	n ₂ [r/min]	c	n ₂ [r/min]	c	n ₂ [r/min]	c				
	214	2.2	258	2.1	376	1.8	952	6.864	GFL09-2M □□□180C32	422
	214	3.1	258	2.9	376	2.6	952	6.864	GFL11-2M □□□180C32	422
	197	2.1	237	2.0	346	1.7	1035	7.466	GFL09-2M □□□180C32	422
	197	3.1	237	2.9	346	2.6	1035	7.466	GFL11-2M □□□180C32	422
	167	3.2	201	3.0	293	2.6	1220	8.800	GFL14-2M □□□180C32	422
	163	1.8	197	1.7	286	1.5	1249	9.010	GFL09-2M □□□180C32	422
	163	2.9	197	2.8	286	2.4	1249	9.010	GFL11-2M □□□180C32	422
	154	3.2	185	3.0	270	2.6	1327	9.571	GFL14-2M □□□180C32	422
	150	1.7	181	1.6	263	1.4	1359	9.799	GFL09-2M □□□180C32	422
	150	2.8	181	2.6	263	2.3	1359	9.799	GFL11-2M □□□180C32	422
	137	2.6	165	2.4	241	2.1	1486	10.720	GFL11-2M □□□180C32	422
	132	1.5	159	1.4	231	1.2	1548	11.167	GFL09-2M □□□180C32	422
	119	1.3	144	1.2	210	1.1	1706	12.307	GFL09-2M □□□180C32	422
	118	2.0	142	1.9	207	1.7	1731	12.480	GFL11-2M □□□180C32	422
	104	3.2	125	3.0	182	2.6	1969	14.200	GFL14-2M □□□180C32	422
	103	1.2	124	1.1	180	1.0	1988	14.333	GFL09-2M □□□180C32	422
	101	1.8	122	1.8	178	1.5	2016	14.538	GFL11-2M □□□180C32	422
	94	3.1	113	2.9	165	2.6	2166	15.620	GFL14-2M □□□180C32	422
	92	1.7	111	1.6	162	1.4	2205	15.904	GFL11-2M □□□180C32	422
	90	1.1	108	1.0	158	0.9	2265	16.333	GFL09-2M □□□180C32	422
	84	3.1	101	2.9	147	2.6	2440	17.600	GFL14-2M □□□180C32	422
	82	1.5	99	1.4	144	1.3	2485	17.920	GFL11-2M □□□180C32	422
	80	1.0	96	0.9	140	0.8	2552	18.407	GFL09-2M □□□180C32	422
	75	0.9	90	0.9			2727	19.667	GFL09-2M □□□180C32	422
	74	2.9	89	2.8	129	2.4	2766	19.948	GFL14-2M □□□180C32	422
	73	1.4	87	1.4	127	1.2	2813	20.286	GFL11-2M □□□180C32	422
	66	0.9	80	0.8			3073	22.164	GFL09-2M □□□180C32	422
	65	2.9	79	2.8	115	2.4	3117	22.476	GFL14-2M □□□180C32	422
	64	1.3	77	1.2	113	1.1	3169	22.857	GFL11-2M □□□180C32	422
	61	0.8	73	0.8			3343	24.111	GFL09-2M □□□180C32	422
	60	2.6	72	2.6	106	2.5	3391	24.456	GFL14-2M □□□180C32	422
	59	1.2	71	1.2	104	1.2	3446	24.850	GFL11-2M □□□180C32	422
	53	1.1	63	1.1	92	1.0	3883	28.000	GFL11-2M □□□180C32	422
	53	2.6	64	2.6	94	2.5	3821	27.556	GFL14-2M □□□180C32	422
	45	1.0	54	1.0	79	1.0	4540	32.739	GFL11-2M □□□180C32	422
	45	2.1	55	2.1	80	2.0	4485	32.344	GFL14-2M □□□180C32	422
	40	0.9	48	0.9	70	0.9	5115	36.889	GFL11-2M □□□180C32	422
	40	2.1	49	2.1	71	2.0	5053	36.444	GFL14-2M □□□180C32	422
	37	0.9	44	0.9	64	0.8	5579	40.233	GFL11-2M □□□180C32	422
	37	1.8	45	1.8	65	1.7	5497	39.642	GFL14-2M □□□180C32	422
	33	1.8	40	1.8	58	1.7	6194	44.667	GFL14-2M □□□180C32	422



GFL

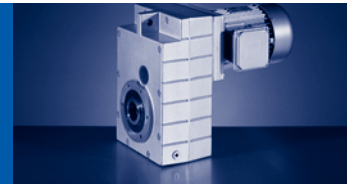
GFL [Nm] - MH□MA (IE2)

50 Hz: $P_N=22.0$ kW

60 Hz: $P_N=26.4$ kW

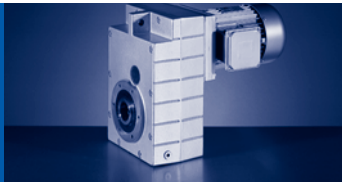
87 Hz: $P_N=38.7$ kW

n _N	1470 r/min		1770 r/min		2580 r/min		M ₂ [Nm]	i		
f _N	50 Hz		60 Hz		87 Hz					
P _N	22.0 kW		26.4 kW		38.7 kW					
	n ₂ [r/min]	c	n ₂ [r/min]	c	n ₂ [r/min]	c				
	28	1.4	34	1.4	50	1.3	7220	52.067	GFL14-2M □□□180C32	422
	25	1.4	30	1.4	44	1.3	8135	58.667	GFL14-2M □□□180C32	422
	23	1.1	28	1.1	41	1.1	8762	63.190	GFL14-2M □□□180C32	422
	21	1.1	25	1.1	36	1.1	9873	71.200	GFL14-2M □□□180C32	422



50 Hz: P_N=30.0 kW
60 Hz: P_N=36.0 kW
87 Hz: P_N=52.7 kW

n _N	1465 r/min		1765 r/min		2575 r/min		M ₂ [Nm]	i		
f _N	50 Hz		60 Hz		87 Hz					
P _N	30.0 kW		36.0 kW		52.7 kW					
	n ₂ [r/min]	c	n ₂ [r/min]	c	n ₂ [r/min]	c				
	213	1.6	257	1.5			1302	6.864	GFL09-2M □□□180C42	422
	213	2.3	257	2.2			1302	6.864	GFL11-2M □□□180C42	422
	196	1.5	236	1.4			1416	7.466	GFL09-2M □□□180C42	422
	196	2.3	236	2.2			1416	7.466	GFL11-2M □□□180C42	422
	167	2.3	201	2.2			1670	8.800	GFL14-2M □□□180C42	422
	163	1.3	196	1.2			1709	9.010	GFL09-2M □□□180C42	422
	163	2.1	196	2.0			1709	9.010	GFL11-2M □□□180C42	422
	153	2.3	184	2.2			1816	9.571	GFL14-2M □□□180C42	422
	150	1.2	180	1.2			1859	9.799	GFL09-2M □□□180C42	422
	150	2.0	180	1.9			1859	9.799	GFL11-2M □□□180C42	422
	137	1.9	165	1.8			2034	10.720	GFL11-2M □□□180C42	422
	131	1.1	158	1.0			2119	11.167	GFL09-2M □□□180C42	422
	119	1.0	143	0.9			2335	12.307	GFL09-2M □□□180C42	422
	117	1.5	141	1.4			2368	12.480	GFL11-2M □□□180C42	422
	103	2.3	124	2.2			2694	14.200	GFL14-2M □□□180C42	422
	102	0.9	123	0.8			2719	14.333	GFL09-2M □□□180C42	422
	101	1.4	121	1.3			2758	14.538	GFL11-2M □□□180C42	422
	94	2.3	113	2.2			2964	15.620	GFL14-2M □□□180C42	422
	92	1.3	111	1.2			3017	15.904	GFL11-2M □□□180C42	422
	83	2.3	100	2.2			3339	17.600	GFL14-2M □□□180C42	422
	82	1.1	99	1.1			3400	17.920	GFL11-2M □□□180C42	422
	73	2.1	89	2.0			3785	19.948	GFL14-2M □□□180C42	422
	72	1.1	87	1.0			3849	20.286	GFL11-2M □□□180C42	422
	65	2.1	79	2.0			4264	22.476	GFL14-2M □□□180C42	422
	64	0.9	77	0.9			4337	22.857	GFL11-2M □□□180C42	422
	60	1.9	72	1.9			4640	24.456	GFL14-2M □□□180C42	422
	59	0.9	71	0.9			4715	24.850	GFL11-2M □□□180C42	422
	53	1.9	64	1.9			5228	27.556	GFL14-2M □□□180C42	422
	52	0.8	63	0.8			5312	28.000	GFL11-2M □□□180C42	422
	45	1.5	55	1.5			6137	32.344	GFL14-2M □□□180C42	422
	40	1.5	48	1.5			6915	36.444	GFL14-2M □□□180C42	422
	37	1.3	45	1.3			7521	39.642	GFL14-2M □□□180C42	422
	33	1.3	40	1.3			8474	44.667	GFL14-2M □□□180C42	422
	28	1.0	34	1.0			9878	52.067	GFL14-2M □□□180C42	422
	25	1.0	30	1.0			11131	58.667	GFL14-2M □□□180C42	422
	23	0.8	28	0.8			11989	63.190	GFL14-2M □□□180C42	422



GFL

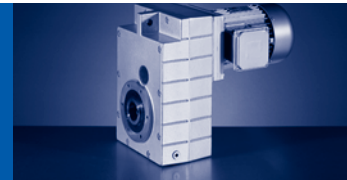
GFL [Nm] - MH□MA (IE2)

50 Hz: P_N=37.0 kW

60 Hz: P_N=45.0 kW

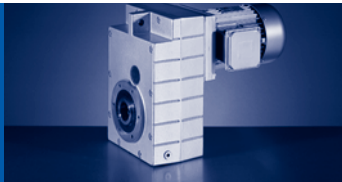
87 Hz: P_N=64.0 kW

n _N	1483 r/min		1783 r/min		2593 r/min		M ₂ [Nm]	i		
f _N	50 Hz		60 Hz		87 Hz					
P _N	37.0 kW		45.0 kW		64.0 kW					
	n ₂ [r/min]	c	n ₂ [r/min]	c	n ₂ [r/min]	c				
	216	2.1	260	2.0			1587	6.864	GFL11-2M □□□225C12	422
	199	2.1	239	1.9			1726	7.466	GFL11-2M □□□225C12	422
	169	3.2	203	3.0			2034	8.800	GFL14-2M □□□225C12	422
	165	1.8	198	1.7			2083	9.010	GFL11-2M □□□225C12	422
	155	3.2	186	3.0			2213	9.571	GFL14-2M □□□225C12	422
	151	1.7	182	1.6			2265	9.799	GFL11-2M □□□225C12	422
	138	1.5	166	1.5			2478	10.720	GFL11-2M □□□225C12	422
	129	3.1	155	2.9			2667	11.538	GFL14-2M □□□225C12	422
	119	1.2	143	1.1			2885	12.480	GFL11-2M □□□225C12	422
	114	2.8	137	2.7			3005	13.000	GFL14-2M □□□225C12	422
	104	2.7	126	2.5			3282	14.200	GFL14-2M □□□225C12	422
	102	1.1	123	1.0			3361	14.538	GFL11-2M □□□225C12	422
	95	2.5	114	2.4			3611	15.620	GFL14-2M □□□225C12	422
	93	1.0	112	1.0			3676	15.904	GFL11-2M □□□225C12	422
	84	2.3	101	2.2			4068	17.600	GFL14-2M □□□225C12	422
	83	0.9	100	0.9			4142	17.920	GFL11-2M □□□225C12	422
	74	2.1	89	2.0			4611	19.948	GFL14-2M □□□225C12	422
	73	0.9	88	0.8			4689	20.286	GFL11-2M □□□225C12	422
	66	1.9	79	1.8			5196	22.476	GFL14-2M □□□225C12	422
	61	1.8	73	1.8			5653	24.456	GFL14-2M □□□225C12	422
	54	1.7	65	1.7			6370	27.556	GFL14-2M □□□225C12	422
	46	1.5	55	1.5			7477	32.344	GFL14-2M □□□225C12	422
	41	1.4	49	1.4			8424	36.444	GFL14-2M □□□225C12	422



50 Hz: P_N=45.0 kW
60 Hz: P_N=54.0 kW
87 Hz: P_N=78.0 kW

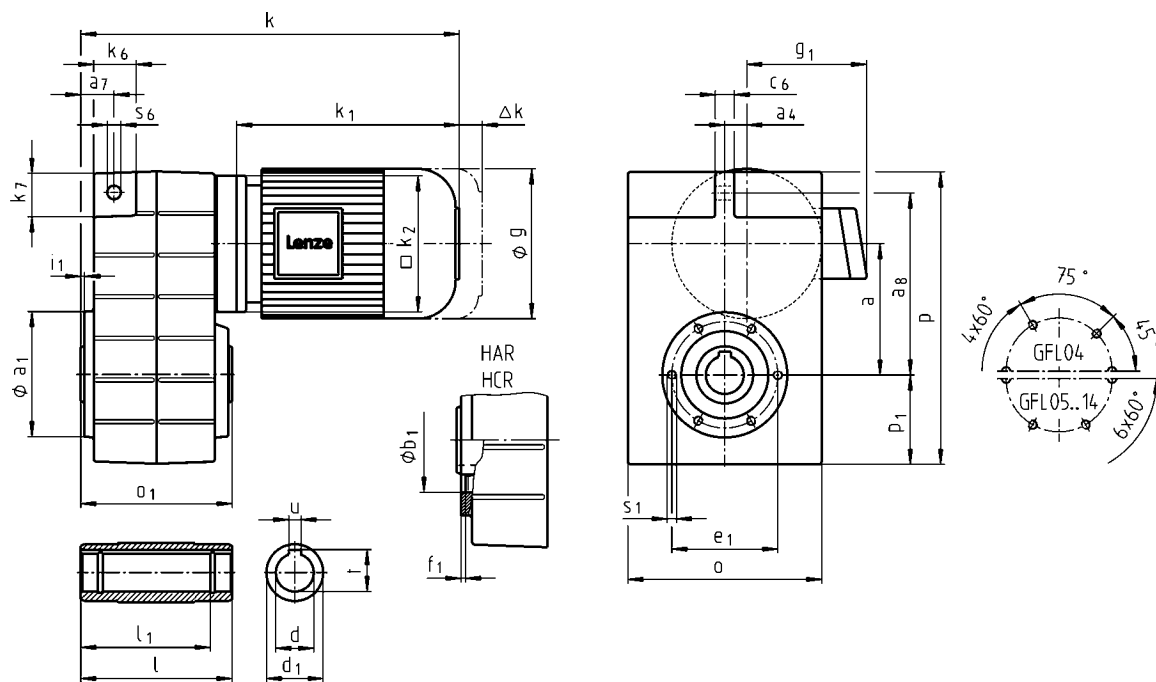
n _N	1480 r/min		1780 r/min		2590 r/min		M ₂ [Nm]	i		
f _N	50 Hz		60 Hz		87 Hz					
P _N	45.0 kW		54.0 kW		78.0 kW					
	n ₂ [r/min]	c	n ₂ [r/min]	c	n ₂ [r/min]	c				
	216	1.7	259	1.6			1934	6.864	GFL11-2M □□□225C22	422
	207	2.7	249	2.6			2014	7.150	GFL14-2M □□□225C22	422
	198	1.7	238	1.6			2103	7.466	GFL11-2M □□□225C22	422
	190	2.7	229	2.6			2191	7.777	GFL14-2M □□□225C22	422
	168	2.6	202	2.5			2479	8.800	GFL14-2M □□□225C22	422
	164	1.5	198	1.4			2538	9.010	GFL11-2M □□□225C22	422
	155	2.6	186	2.5			2696	9.571	GFL14-2M □□□225C22	422
	151	1.4	182	1.3			2761	9.799	GFL11-2M □□□225C22	422
	138	1.3	166	1.2			3020	10.720	GFL11-2M □□□225C22	422
	128	2.5	154	2.4			3250	11.538	GFL14-2M □□□225C22	422
	119	1.0	143	0.9			3516	12.480	GFL11-2M □□□225C22	422
	114	2.3	137	2.2			3662	13.000	GFL14-2M □□□225C22	422
	104	2.2	125	2.1			4000	14.200	GFL14-2M □□□225C22	422
	102	0.9	122	0.9			4096	14.538	GFL11-2M □□□225C22	422
	95	2.1	114	2.0			4400	15.620	GFL14-2M □□□225C22	422
	93	0.9	112	0.8			4480	15.904	GFL11-2M □□□225C22	422
	84	1.9	101	1.8			4958	17.600	GFL14-2M □□□225C22	422
	74	1.8	89	1.7			5619	19.948	GFL14-2M □□□225C22	422
	66	1.6	79	1.5			6332	22.476	GFL14-2M □□□225C22	422
	61	1.5	73	1.5			6889	24.456	GFL14-2M □□□225C22	422
	54	1.4	65	1.4			7763	27.556	GFL14-2M □□□225C22	422
	46	1.2	55	1.2			9112	32.344	GFL14-2M □□□225C22	422
	41	1.1	49	1.1			10267	36.444	GFL14-2M □□□225C22	422



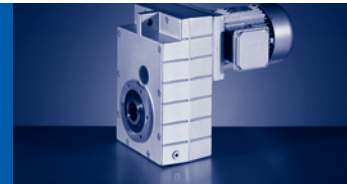
GFL

GFL [mm] - MD□MA (IE1)

GFL□□-2M H□R



		063C11 063C12 063C31 063C32	063C42	071C11	071C13 071C31 071C32 071C33 071C42	080C11	080C13 080C31 080C32 080C33 080C42	090C11	090C31	090C32	100C12
g		123		139		156		176			194
g ₁	MDEMAXX	100		109		145		152			161
	MDEMABR	107		118		132		137			147
k ₁	MDEMAXX	187		207		224.5		274		248	309
k ₂		120				145		180			
Δ k	MDEMABR	40		52		73		68			76
	MDFMAXX	128									109
	MDFMABR	170		165		183		181			170
		k									
GFL04		312		332		354					
GFL05			333	353		376		435		409	470
GFL06			346		366	389		448		422	483
GFL07							422	481		455	516
GFL09									515	489	550
GFL11											591



		100C31	100C32 100C41	112C22 112C31	112C32 112C41	132C21 132C22 132C32	160C22	160C32	180C12 180C32	180C42	225C12 225C22
g		194		218		258	310		348		447
g₁	MDEMABR	161		171		195	210		230		346
	MDEMABR	147		158		187	210		230		346
k₁	MDEMABR	309		319	363	403	457.5	501.5	561	618	848
k₂		180		222		265			300		
Δ k	MDEMABR	76		90		109.5	105		113		
	MDFMAXX	109		102		115	149		155		213
	MDFMABR	170		183		201.5	179		215		213
k											
GFL05		470									
GFL06		483		499	543						
GFL07		516		532	576	624	684	728			
GFL09		550		566	610	658	718	762	821	878	
GFL11			591	607	651	699	759	803	862	919	1149
GFL14				652	696	744	804	848	907	964	1194

	a	a ₄	a ₇	a ₈	c ₆	k ₆	k ₇	o ¹⁾	p ¹⁾	p ₁	s ₆
GFL04	90.5	12.5	22.5	128	14	32	35	148	214	69	12.5
GFL05	112.5	18.5	29	155	16	35	38	165	252	78	14
GFL06	140	22	35	195	20	46	46	206	315	98	14
GFL07	173	29	44	240	25	56	56	256	386	118	18
GFL09	220	37.5	50	300	32	70	70	318	486	149	22
GFL11	276.5	50	65	375	40	84	90	395	600	181	26
GFL14	339	65	80	455	50	100	114	490	740	228	32

	d ²⁾	d ₁	l	l ₁	u	t	i ₁	o ₁	a ₁	b ₁	e ₁	f ₁	s ₁
	H7				JS9	+0,2				H7			
GFL04	25 30	45 45	115 115	100 100	8 8	28.3 33.3	2.5 2.5	115 115	110	75	90	3	M6x12
GFL05	30 35	50 50	140 140	124 124	8 10	33.3 38.3	4 4	140 140	118	80	100	4	M8x14
GFL06	40 45	65 65	160 160	140 140	12 14	43.3 48.8	5 5	160 160	140	100	120	4	M10x16
GFL07	50 55	75 75	200 200	175 175	14 16	53.8 59.3	5 5	200 200	165	115	140	5	M12x18
GFL09	60 70	95 95	240 240	210 210	18 20	64.4 74.9	5 5	240 240	205	145	175	6	M16x24
GFL11	70 80	105 105	290 290	250 250	20 22	74.9 85.4	6 6	290 290	240	140	205	6	M20x32
GFL14	100	135	350	305	28	106.4	7	350	290	170	250	6	M24x35

¹⁾ k₂ !

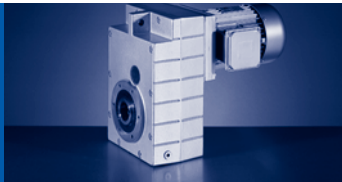
²⁾ Not suitable for through machine shaft at motor end:

GFL04-2M H□□ 080□□; d=30

GFL05-2M H□□ 100□□; d=35

GFL07-2M H□□ 160□□; d=50/55

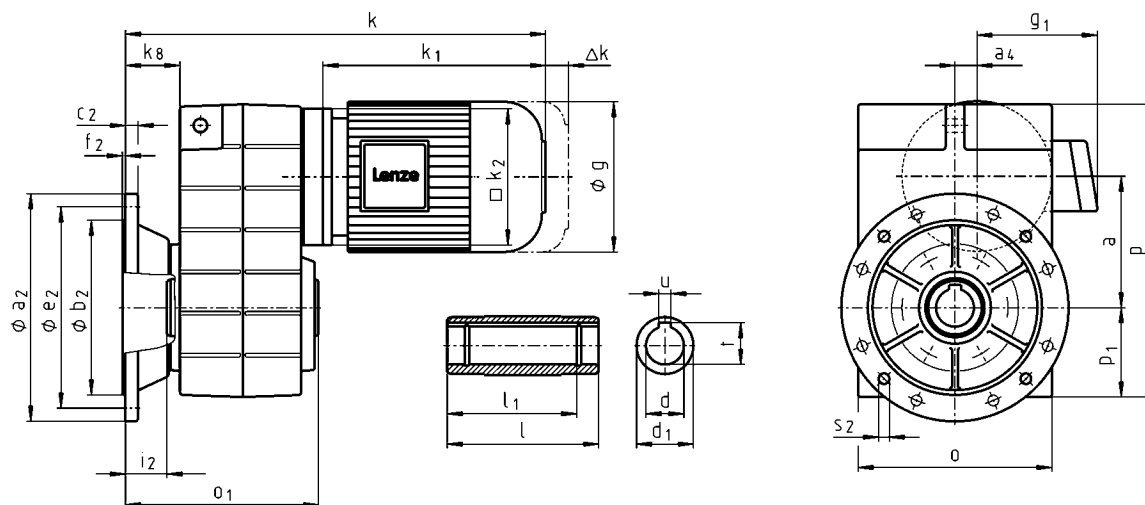
GFL11-2M H□□ 225□□; d=80



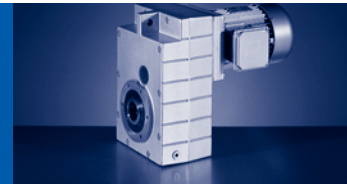
GFL

GFL [mm] - MD□MA (IE1)

GFL□□-2M HCK



		063C11 063C12 063C31 063C32	063C42	071C11	071C13 071C31 071C32 071C33 071C42	080C11	080C13 080C31 080C32 080C33 080C42	090C11	090C31	090C32	100C12
g		123		139		156		176			194
g ₁	MDEMAXX	100		109		145		152			161
	MDEMABR	107		118		132		137			147
k ₁	MDEMAXX	187		207		224.5		274		248	309
k ₂			120			145			180		
Δ k	MDEMABR	40		52		73		68			76
	MDFMAXX					128					109
	MDFMABR	170		165		183		181			170
		k									
GFL04		345		365		387					
GFL05			366	386		409		468		442	503
GFL06			387		407	430		489		463	524
GFL07							477	536		510	571
GFL09									575	549	610
GFL11											651



		100C31	100C32 100C41	112C22 112C31	112C32 112C41	132C21 132C22 132C32	160C22	160C32	180C12 180C32	180C42	225C12 225C22
g		194		218		258	310		348		447
g₁	MDEMAXX	161		171		195	210		230		346
	MDEMABR	147		158		187	210		230		346
k₁	MDEMAXX	309		319	363	403	457.5	501.5	561	618	848
k₂		180		222		265			300		
Δ k	MDEMABR	76		90		109.5	105			113	
	MDFMAXX	109		102		115	149			155	213
	MDFMABR	170		183		201.5	179		215		213
k											
GFL05		503									
GFL06		524		540	584						
GFL07		571		587	631	679	739	783			
GFL09		610		626	670	718	778	822	881	938	
GFL11			651	667	711	759	819	863	922	979	1209
GFL14				712	756	804	864	908	967	1024	1254

	a	a ₄	k ₈	o ¹⁾	p ¹⁾	p ₁
GFL04	90.5	12.5	41.8	148	214	69
GFL05	112.5	18.5	46	165	252	78
GFL06	140	22	55.5	206	315	98
GFL07	173	29	72.5	256	386	118
GFL09	220	37.5	77.5	318	486	149
GFL11	276.5	50	85.5	395	600	181
GFL14	339	65	89.5	490	740	228

	d ²⁾	d ₁	l	l ₁	u	t	i ₂	o ₁	a ₂	b ₂	c ₂	e ₂	f ₂	s ₂
	H7				JS9	+0,2				j7				
GFL04	25 30	45 45	115 115	100 100	8 8	28.3 33.3	33 33	148 148	160	110	10	130	3.5	4 x 9
GFL05	30 35	50 50	140 140	124 124	8 10	33.3 38.3	33 33	173 173	200	130	12	165	4	4 x 11
GFL06	40 45	65 65	160 160	140 140	12 14	43.3 48.8	42 41	201 201	250	180	15	215	4	4 x 14
GFL07	50 55	75 75	200 200	175 175	14 16	53.8 59.3	55 55	255 255	250 300	180 230	15 17	215 265	4 4	4 x 14 4 x 14
GFL09	60 70	95 95	240 240	210 210	18 20	64.4 74.9	60 60	300 300	350	250	18	300	4	4 x 17.5
GFL11	70 80	105 105	290 290	250 250	20 22	74.9 85.4	60 60	350 350	400 450	300 350	20 22	350 400	5 5	4 x 17.5 8 x 17.5
GFL14	100	135	350	305	28	106.4	60	410	450	350	22	400	5	8 x 18.5

¹⁾ k₂ !

²⁾ Not suitable for through machine shaft at motor end:

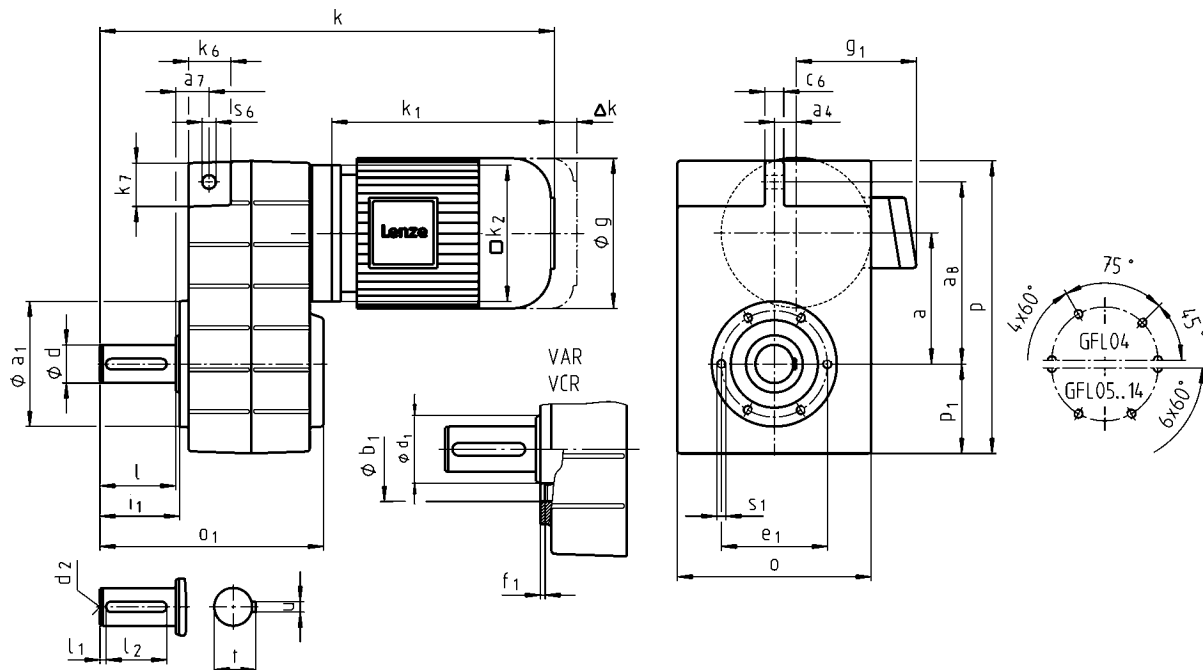
GFL04-2M H□□ 080C□□; d=30

GFL05-2M H□□ 100C□□; d=35

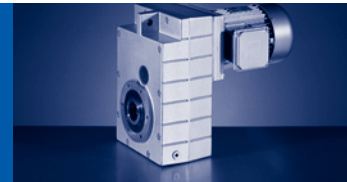
GFL07-2M H□□ 160C□□; d=50/55

GFL11-2M H□□ 225C□□; d=80

GFL□□-2M V□R



		063C11 063C12 063C31 063C32	063C42	071C11	071C13 071C31 071C32 071C33 071C42	080C11	080C13 080C31 080C32 080C33 080C42	090C11	090C31	090C32	100C12
g		123		139		156		176			194
g ₁	MDEMAXX	100		109		145		152			161
	MDEMABR	107		118		132		137			147
k ₁	MDEMAXX	187		207		224.5		274		248	309
k ₂			120			145			180		
	MDEMABR	40		52		73		68			76
Δ k	MDFMAXX					128					109
	MDFMABR	170		165		183		181			170
						k					
	GFL04	362		382		404		464		438	
	GFL05		393	413		436		495		469	530
	GFL06		426		446	469		528		502	563
	GFL07					522		581		555	616
	GFL09								635	609	670
	GFL11										751

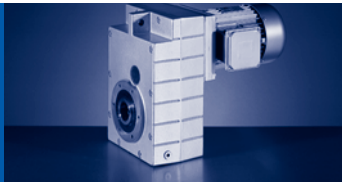


		100C31	100C32 100C41	112C22 112C31	112C32 112C41	132C21 132C22 132C32	160C22	160C32	180C12 180C32	180C42	225C12 225C22
g		194		218		258	310		348		447
g₁	MDEMAXX	161		171		195	210		230		346
	MDEMABR	147		158		187	210		230		346
k₁	MDEMAXX	309		319	363	403	457.5	501.5	561	618	848
k₂		180		222		265			300		
Δ k	MDEMABR	76		90		109.5	105			113	
	MDFMAXX	109		102		115	149			155	213
	MDFMABR	170		183		201.5	179		215		213
k											
GFL05		530									
GFL06		563		579	623						
GFL07		616		632	676	724	784	828			
GFL09		670		686	730	778	838	882	941	998	
GFL11			751	767	811	859	919	963	1022	1079	1309
GFL14				852	896	944	1004	1048	1107	1164	1394

	a	a ₄	a ₇	a ₈	c ₆	k ₆	k ₇	o ¹⁾	p ¹⁾	p ₁	s ₆
GFL04	90.5	12.5	22.5	128	14	32	35	148	214	69	12.5
GFL05	112.5	18.5	29	155	16	35	38	165	252	78	14
GFL06	140	22	35	195	20	46	46	206	315	98	14
GFL07	173	29	44	240	25	56	56	256	386	118	18
GFL09	220	37.5	50	300	32	70	70	318	486	149	22
GFL11	276.5	50	65	375	40	84	90	395	600	181	26
GFL14	339	65	80	455	50	100	114	490	740	228	32

	d	d	d ₁	d ₂	l	l ₁	l ₂	u	t	o ₁	a ₁	b ₁	e ₁	f ₁	s ₁
	k6	m6										H7			
GFL04	25		45	M10	50	6	40	8	28	162.5	110	75	90	3	M6x12
GFL05	30		45	M10	60	6	45	8	33	196.5	118	80	100	4	M8x14
GFL06	40		65	M16	80	7	63	12	43	235.5	140	100	120	4	M10x16
GFL07	50		75	M16	100	8	80	14	53.5	295.5	165	115	140	5	M12x18
GFL09		60	95	M20	120	8	100	18	64	355.5	205	145	175	6	M16x24
GFL11		80	105	M20	160	15	125	22	85	444.5	240	140	205	6	M20x32
GFL14		100	135	M24	200	18	160	28	106	543.5	290	170	250	6	M24x35

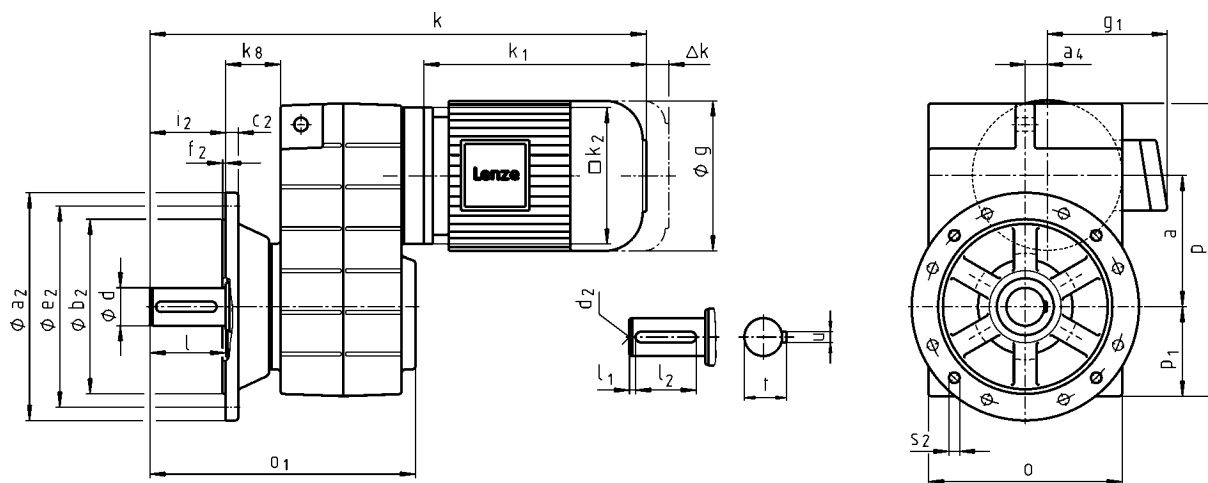
¹⁾ k₂ !



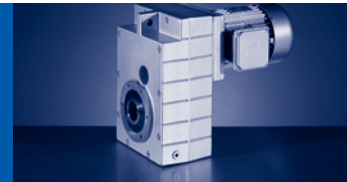
GFL

GFL [mm] - MD□MA (IE1)

GFL□□-2M VCK



		063C11 063C12 063C31 063C32	063C42	071C11	071C13 071C31 071C32 071C33 071C42	080C11	080C13 080C31 080C32 080C33 080C42	090C11	090C31	090C32	100C12
g		123		139		156		176			194
g ₁	MDEMAXX	100		109		145		152			161
	MDEMABR	107		118		132		137			147
k ₁	MDEMAXX	187		207		224.5		274		248	309
k ₂		120				145		180			
Δ k	MDEMABR	40		52		73		68			76
	MDFMAXX	128									109
	MDFMABR	170		165		183		181			170
		k									
GFL04		395		415		437		497		471	
GFL05			426	446		469		528		502	563
GFL06			467		487	510		569		543	604
GFL07						577		636		610	671
GFL09									695	669	730
GFL11											811

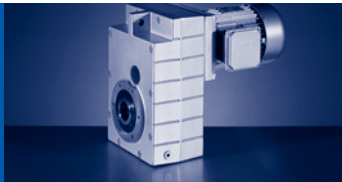


		100C31	100C32 100C41	112C22 112C31	112C32 112C41	132C21 132C22 132C32	160C22	160C32	180C12 180C32	180C42	225C12 225C22
g		194		218		258	310		348		447
g₁	MDEMABX	161		171		195	210		230		346
	MDEMABR	147		158		187	210		230		346
k₁	MDEMABX	309		319	363	403	457.5	501.5	561	618	848
k₂		180		222		265			300		
Δ k	MDEMABR	76		90		109.5	105			113	
	MDFMAXX	109		102		115	149			155	213
	MDFMABR	170		183		201.5	179		215		213
k											
GFL05		563									
GFL06		604		620	664						
GFL07		671		687	731	779	839	883			
GFL09		730		746	790	838	898	942	1001	1058	
GFL11			811	827	871	919	979	1023	1082	1139	1369
GFL14				912	956	1004	1064	1108	1167	1224	1454

	a	a ₄	k ₈	o ¹⁾	p ¹⁾	p ₁
GFL04	90.5	12.5	41.8	148	214	69
GFL05	112.5	18.5	46	165	252	78
GFL06	140	22	55.5	206	315	98
GFL07	173	29	72.5	256	386	118
GFL09	220	37.5	77.5	318	486	149
GFL11	276.5	50	85.5	395	600	181
GFL14	339	65	89.5	490	740	228

	d	d	d ₁	d ₂	l	l ₁	l ₂	u	t	i ₂	o ₁	a ₂	b ₂	c ₂	e ₂	f ₂	s ₂
	k6	m6											j7				
GFL04	25		45	M10	50	6	40	8	28	50	195.5	160	110	10	130	3.5	4 x 9
GFL05	30		45	M10	60	6	45	8	33	60	229.5	200	130	12	165	4	4 x 11
GFL06	40		65	M16	80	7	63	12	43	80	276.5	250	180	15	215	4	4 x 14
GFL07	50		75	M16	100	8	80	14	53.5	100	350.5	250 300	180 230	15 17	215 265	4 4	4 x 14 4 x 14
GFL09		60	95	M20	120	8	100	18	64	120	415.5	350	250	18	300	4	4 x 17.5
GFL11		80	105	M20	160	15	125	22	85	160	504.5	400 450	300 350	20 22	350 400	5 5	4 x 17.5 8 x 17.5
GFL14		100	135	M24	200	18	160	28	106	200	603.5	450	350	22	400	5	8 x 18.5

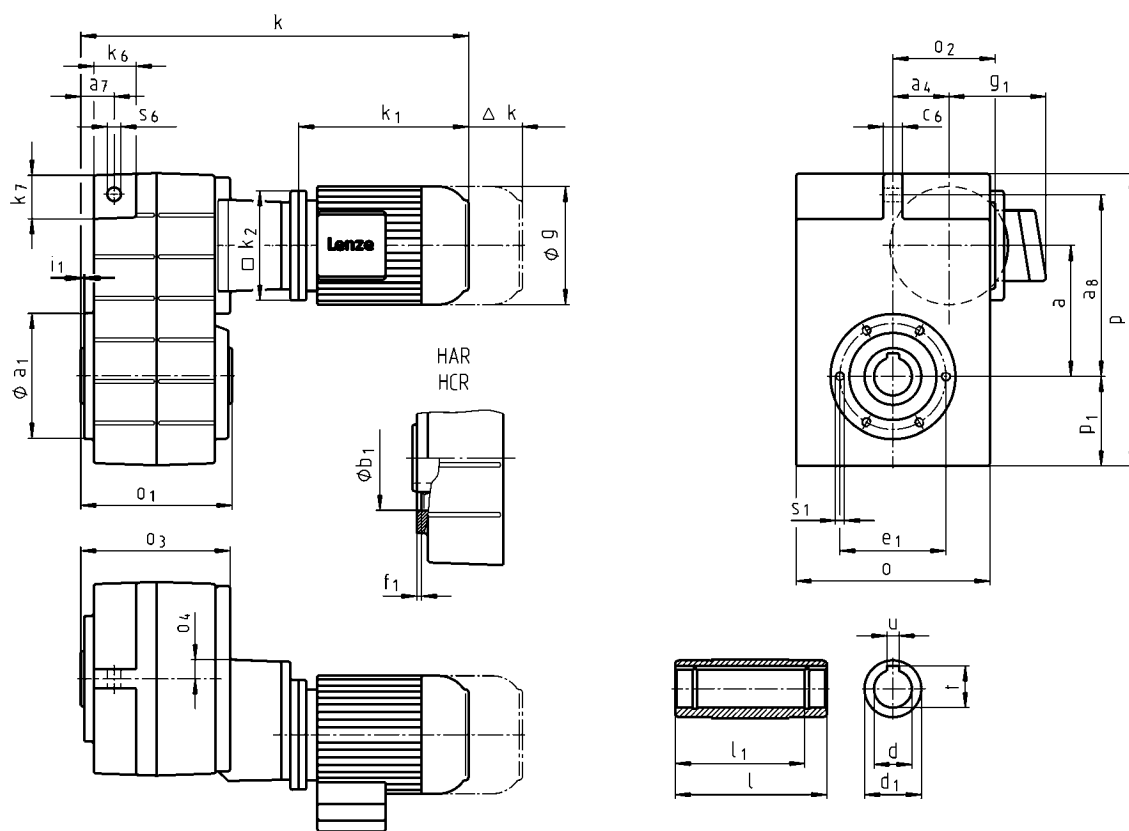
¹⁾ k₂ !



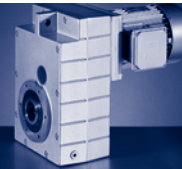
GFL

GFL [mm] - MD□MA (IE1)

GFL□□-3M H□R



		063C11 063C12 063C31 063C32	063C42	071C11 071C13 071C31 071C32 071C33 071C42	080C11 080C13 080C31	080C32 080C33 080C42	090C11 090C31	090C32	100C12 100C31
g		123		139		156		176	194
g₁	MDEMAXX	100		109		145		152	161
	MDEMABR	107		118		132		137	147
k₁	MDEMAXX	187		207		224.5	274	248	309
k₂			120			145		180	
Δk	MDEMABR	40		52		73		68	76
	MDFMAXX				128				109
	MDFMABR	170		165		183		181	170
k									
GFL05		410		430	452				
GFL06		440		460		482	542		
GFL07			484	504		526	586	560	621
GFL09			536	556		578	638	612	673
GFL11						638	698	672	733
GFL14							777	751	812

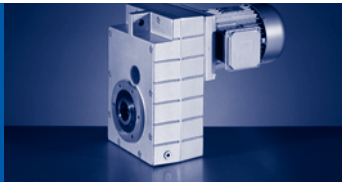


		100C32	100C41	112C22 112C31	112C32	112C41	132C21 132C22 132C32	160C22	160C32
g		194			218		258		310
g₁	MDEMABR	161			171		195		210
	MDEMABR	147			158		187		210
k₁	MDEMABR	309		319		363	403	457.5	501.5
k₂		180			222		265		300
Δ k	MDEMABR	76			90		109.5		105
	MDFMAXX	109			102		115		149
	MDFMABR	170			183		201.5		179
k									
GFL07			621						
GFL09		673		689		733			
GFL11		733		749		793	841		
GFL14		812		828		872	920	979	1023

	a	a ₄	a ₇	a ₈	c ₆	k ₆	k ₇	o ¹⁾	o ₂	o ₃	o ₄	p ¹⁾	p ₁	s ₆
GFL05	112.5	54.5	29	155	16	35	38	165	106.5	140.5	22.6	252	78	14
GFL06	140	58	35	195	20	46	46	206	111	159.5	20.2	315	98	14
GFL07	173	74	44	240	25	56	56	256	135	199	24	386	118	18
GFL09	220	93.5	50	300	32	70	70	318	170	237.5	27	486	149	22
GFL11	276.5	120	65	375	40	84	90	395	216	284.5	33.5	600	181	26
GFL14	339	154	80	455	50	100	114	490	271	339.5	38	740	228	32

	d	d ₁	l	l ₁	u	t	i ₁	o ₁	a ₁	b ₁	e ₁	f ₁	s ₁
	H7				JS9	+0,2				H7			
GFL05	30	50	140	124	8	33.3	4	140					
	35	50	140	124	10	38.3	4	140	118	80	100	4	M8x14
GFL06	40	65	160	140	12	43.3	5	160					
	45	65	160	140	14	48.8	5	160	140	100	120	4	M10x16
GFL07	50	75	200	175	14	53.8	5	200					
	55	75	200	175	16	59.3	5	200	165	115	140	5	M12x18
GFL09	60	95	240	210	18	64.4	5	240					
	70	95	240	210	20	74.9	5	240	205	145	175	6	M16x24
GFL11	70	105	290	250	20	74.9	6	290					
	80	105	290	250	22	85.4	6	290	240	140	205	6	M20x32
GFL14	100	135	350	305	28	106.4	7	350	290	170	250	6	M24x35

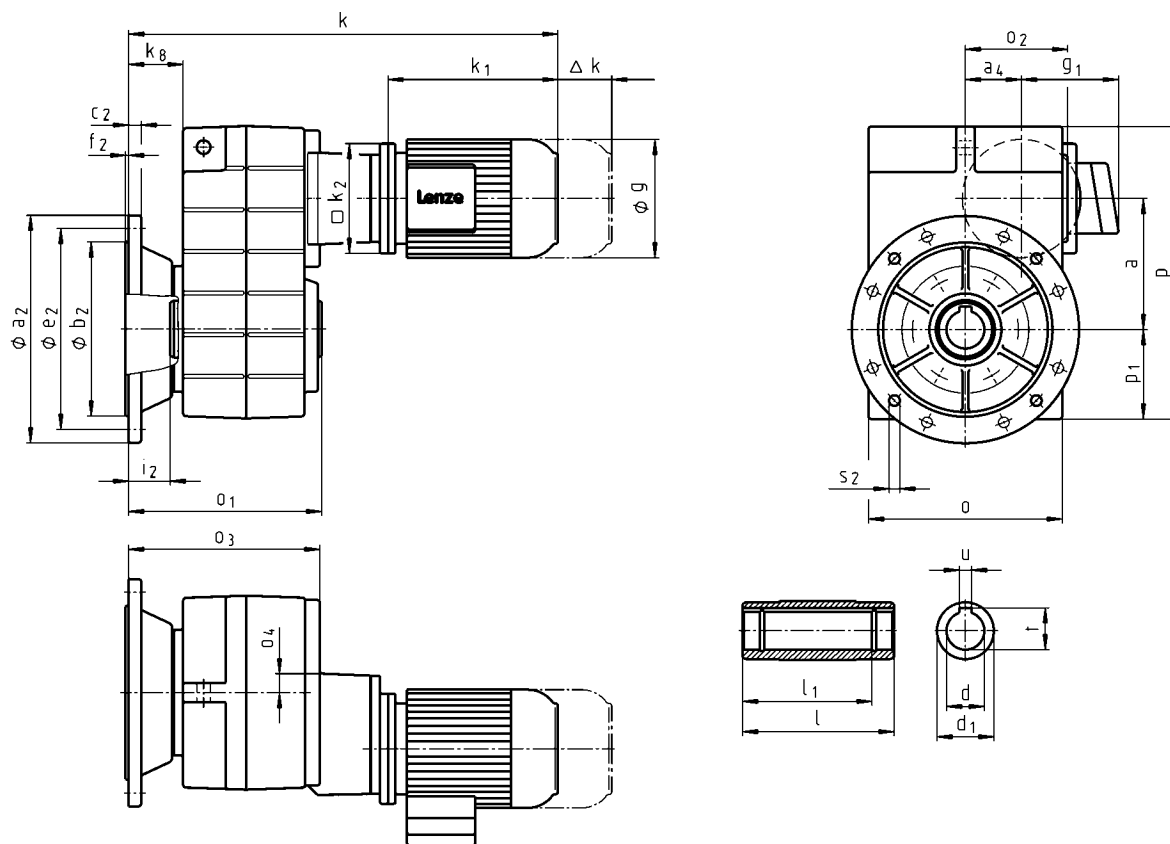
¹⁾ k₂ !



GFL

GFL [mm] - MD□MA (IE1)

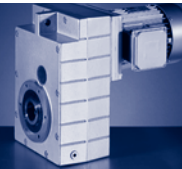
GFL□□-3M HCK



		063C11 063C12 063C31 063C32	063C42	071C11 071C13 071C31 071C32 071C33 071C42	080C11 080C13 080C31	080C32 080C33 080C42	090C11 090C31	090C32	100C12 100C31
g		123		139		156		176	194
g₁	MDEMAXX	100		109		145		152	161
	MDEMABR	107		118		132		137	147
k₁	MDEMAXX	187		207		224.5	274	248	309
k₂		120				145		180	
	MDEMABR	40		52		73		68	76
Δ k	MDFMAXX				128				109
	MDFMABR	170		165		183		181	170
		k							
GFL05		443		463	485				
GFL06		481		501		523	583		
GFL07			539	559		581	641	615	676
GFL09			596	616		638	698	672	733
GFL11						698	758	732	793
GFL14							837	811	872

GFL

GFL [mm] - MD□MA (IE1)



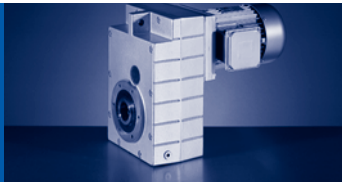
4

		100C32	100C41	112C22 112C31	112C32	112C41	132C21 132C22 132C32	160C22	160C32
g		194			218		258		310
g₁	MDEMABR	161			171		195		210
	MDEMABR	147			158		187		210
k₁	MDEMABR	309		319		363	403	457.5	501.5
k₂		180			222		265		300
Δ k	MDEMABR	76			90		109.5		105
	MDFMAXX	109			102		115		149
	MDFMABR	170			183		201.5		179
k									
GFL07			676						
GFL09		733		749		793			
GFL11		793		809		853	901		
GFL14		872		888		932	980	1039	1083

	a	a ₄	k ₈	o ¹⁾	o ₂	o ₃	o ₄	p ¹⁾	p ₁
GFL05	112.5	54.5	46	165	106.5	173.5	22.6	252	78
GFL06	140	58	55.5	206	111	200.5	20.2	315	98
GFL07	173	74	72.5	256	135	254	24	386	118
GFL09	220	93.5	77.5	318	170	297.5	27	486	149
GFL11	276.5	120	85.5	395	216	344.5	33.5	600	181
GFL14	339	154	89.5	490	271	399.5	38	740	228

	d	d ₁	l	l ₁	u	t	i ₂	o ₁	a ₂	b ₂	c ₂	e ₂	f ₂	s ₂
	H7				JS9	+0,2				j7				
GFL05	30	50	140	124	8	33.3	33	173		130	12	165	4	4 x 11
	35	50	140	124	10	38.3	33	173	200	130	12	165	4	4 x 11
GFL06	40	65	160	140	12	43.3	42	201		180	15	215	4	4 x 14
	45	65	160	140	14	48.8	41	201	250	180	15	215	4	4 x 14
GFL07	50	75	200	175	14	53.8	55	255	250	180	15	215	4	4 x 14
	55	75	200	175	16	59.3	55	255	300	230	17	265	4	4 x 14
GFL09	60	95	240	210	18	64.4	60	300	350	250	18	300	4	4 x 17.5
	70	95	240	210	20	74.9	60	300	350	250	18	300	4	4 x 17.5
GFL11	70	105	290	250	20	74.9	60	350	400	300	20	350	5	4 x 17.5
	80	105	290	250	22	85.4	60	350	450	350	22	400	5	8 x 17.5
GFL14	100	135	350	305	28	106.4	60	410	450	350	22	400	5	8 x 18.5

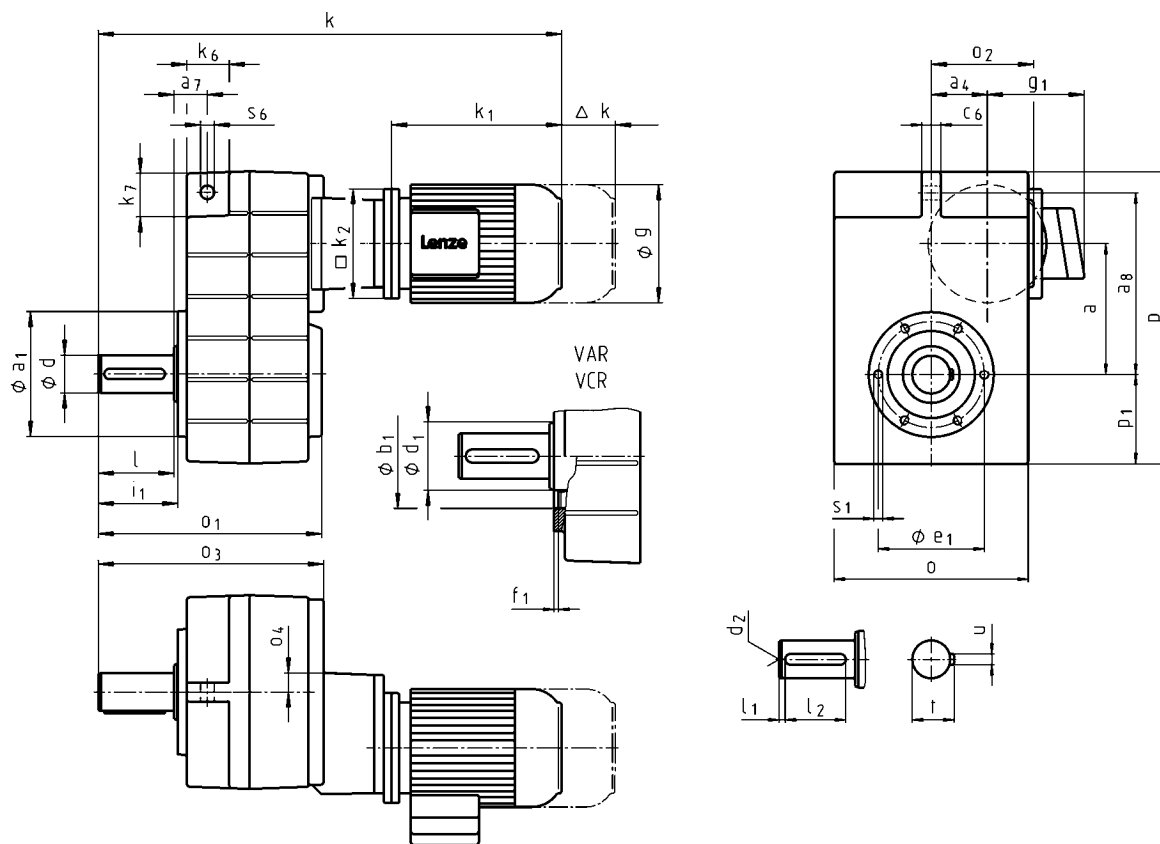
¹⁾ k₂ !



GFL

GFL [mm] - MD□MA (IE1)

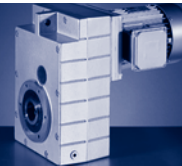
GFL□□-3M V□R



		063C11 063C12 063C31 063C32	063C42	071C11 071C13 071C31 071C32 071C33 071C42	080C11 080C13 080C31	080C32 080C33 080C42	090C11 090C31	090C32	100C12 100C31
g		123		139	156		176		194
g ₁	MDEMAXX	100		109	145		152		161
	MDEMABR	107		118	132		137		147
k ₁	MDEMAXX	187		207	224.5		274	248	309
k ₂		120			145			180	
Δ k	MDEMABR	40		52	73		68		76
	MDFMAXX			128					109
	MDFMABR	170		165	183		181		170
		k							
GFL05		470		490	512				
GFL06		520		540	562		622		
GFL07			584	604	626		686	660	721
GFL09			656	676	698		758	732	793
GFL11					798		858	832	893
GFL14							977	951	1012

GFL

GFL [mm] - MD□MA (IE1)



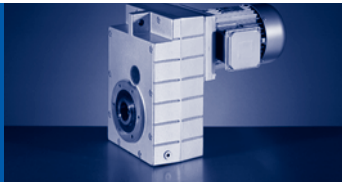
4

		100C32	100C41	112C22 112C31	112C32	112C41	132C21 132C22 132C32	160C22	160C32
g		194			218		258		310
g₁	MDEMABR	161			171		195		210
	MDEMABR	147			158		187		210
k₁	MDEMABR	309		319		363	403	457.5	501.5
k₂		180			222		265		300
Δ k	MDEMABR	76			90		109.5		105
	MDFMAXX	109			102		115		149
	MDFMABR	170			183		201.5		179
k									
GFL07			721						
GFL09		793		809		853			
GFL11		893		909		953	1001		
GFL14		1012		1028		1072	1120	1179	1223

	a	a ₄	a ₇	a ₈	c ₆	k ₆	k ₇	o ¹⁾	o ₂	o ₃	o ₄	p ¹⁾	p ₁	s ₆
GFL05	112.5	54.5	29	155	16	35	38	165	106.5	200.5	22.6	252	78	14
GFL06	140	58	35	195	20	46	46	206	111	239.5	20.2	315	98	14
GFL07	173	74	44	240	25	56	56	256	135	299	24	386	118	18
GFL09	220	93.5	50	300	32	70	70	318	170	357.5	27	486	149	22
GFL11	276.5	120	65	375	40	84	90	395	216	444.5	33.5	600	181	26
GFL14	339	154	80	455	50	100	114	490	271	539.5	38	740	228	32

	d	d	d ₁	d ₂	l	l ₁	l ₂	u	t	o ₁	a ₁	b ₁	e ₁	f ₁	s ₁
	k6	m6										H7			
GFL05	30		45	M10	60	6	45	8	33	196.5	118	80	100	4	M8x14
GFL06	40		65	M16	80	7	63	12	43	235.5	140	100	120	4	M10x16
GFL07	50		75	M16	100	8	80	14	53.5	295.5	165	115	140	5	M12x18
GFL09		60	95	M20	120	8	100	18	64	355.5	205	145	175	6	M16x24
GFL11		80	105	M20	160	15	125	22	85	444.5	240	140	205	6	M20x32
GFL14		100	135	M24	200	18	160	28	106	543.5	290	170	250	6	M24x35

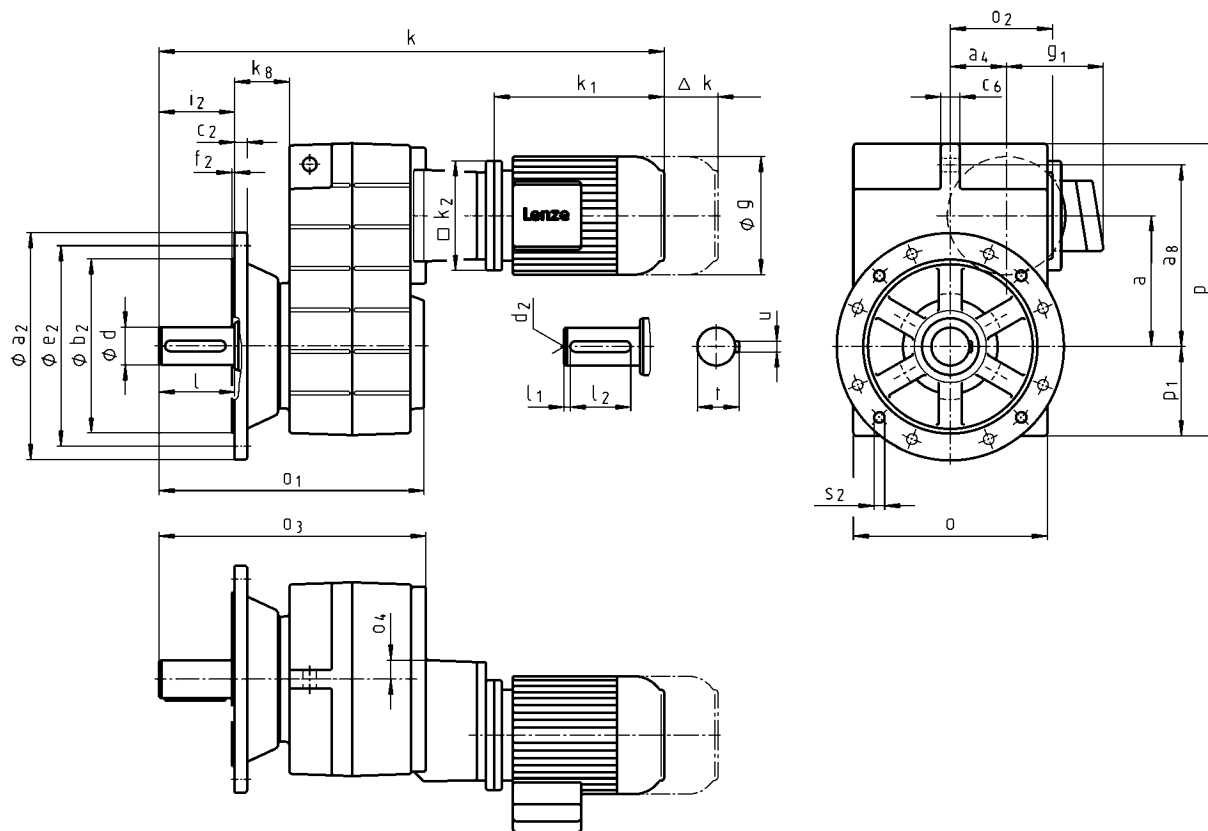
¹⁾ k₂ !



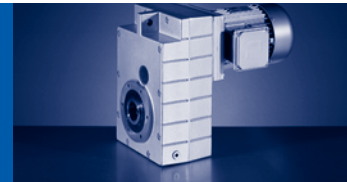
GFL

GFL [mm] - MD□MA (IE1)

GFL□□-3M VCK



		063C11 063C12 063C31 063C32	063C42	071C11 071C13 071C31 071C32 071C33 071C42	080C11 080C13 080C31	080C32 080C33 080C42	090C11 090C31	090C32	100C12 100C31
g		123		139		156		176	194
g ₁	MDEMAXX	100		109		145		152	161
	MDEMABR	107		118		132		137	147
k ₁	MDEMAXX	187		207		224.5	274	248	309
k ₂		120				145		180	
Δ k	MDEMABR	40		52		73		68	76
	MDFMAXX				128				109
	MDFMABR	170		165		183		181	170
		k							
GFL05		503		523	545				
GFL06		561		581		603	663		
GFL07			639	659		681	741	715	776
GFL09			716	736		758	818	792	853
GFL11						858	918	892	953
GFL14							1037	1011	1072

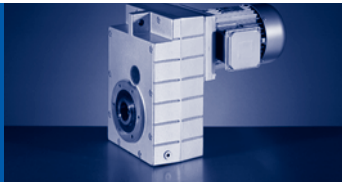


		100C32	100C41	112C22 112C31	112C32	112C41	132C21 132C22 132C32	160C22	160C32
g		194			218		258		310
g₁	MDEMABR	161			171		195		210
	MDEMABR	147			158		187		210
k₁	MDEMABR	309		319		363	403	457.5	501.5
k₂		180			222		265		300
Δ k	MDEMABR	76			90		109.5		105
	MDFMAXX	109			102		115		149
	MDFMABR	170			183		201.5		179
		k							
GFL07			776						
GFL09		853		869		913			
GFL11		953		969		1013	1061		
GFL14		1072		1088		1132	1180	1239	1283

	a	a ₄	k ₈	o ¹⁾	o ₂	o ₃	o ₄	p ¹⁾	p ₁
GFL05	112.5	54.5	46	165	106.5	233.5	22.6	252	78
GFL06	140	58	55.5	206	111	280.5	20.2	315	98
GFL07	173	74	72.5	256	135	354	24	386	118
GFL09	220	93.5	77.5	318	170	417.5	27	486	149
GFL11	276.5	120	85.5	395	216	504.5	33.5	600	181
GFL14	339	154	89.5	490	271	599.5	38	740	228

	d	d	d ₁	d ₂	l	l ₁	l ₂	u	t	i ₂	o ₁	a ₂	b ₂	c ₂	e ₂	f ₂	s ₂
	k6	m6											j7				
GFL05	30		45	M10	60	6	45	8	33	60	229.5	200	130	12	165	4	4 x 11
GFL06	40		65	M16	80	7	63	12	43	80	276.5	250	180	15	215	4	4 x 14
GFL07	50		75	M16	100	8	80	14	53.5	100	350.5	250 300	180 230	15 17	215 265	4 4	4 x 14 4 x 14
GFL09		60	95	M20	120	8	100	18	64	120	415.5	350	250	18	300	4	4 x 17.5
GFL11		80	105	M20	160	15	125	22	85	160	504.5	400 450	300 350	20 22	350 400	5 5	4 x 17.5 8 x 17.5
GFL14		100	135	M24	200	18	160	28	106	200	603.5	450	350	22	400	5	8 x 18.5

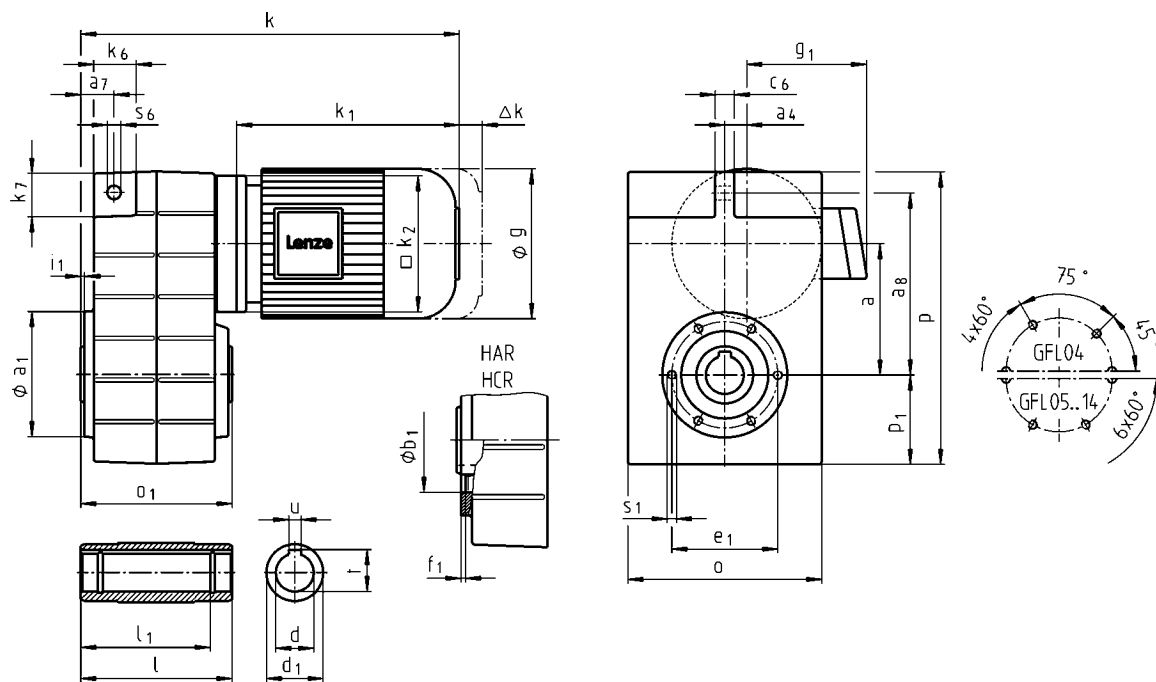
¹⁾ k₂ !



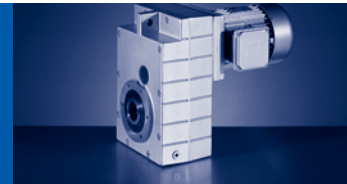
GFL

GFL [mm] - MH□MA (IE2)

GFL□□-2M H□R



		080C32	090C12 090C32	100C12	100C32	112C22
g		156	176	194		218
g1	MHEMAXX	145	152	161		171
	MHEMABR	132	137	147		158
k1	MHEMAXX	224.5	274	309	324	363
k2		145		180		222
	MHEMABR	73	68	76		90
Δ k	MHFMAXX	128		109		102
	MHFMABR	183	181	170		183
		k				
	GFL04	354				
	GFL05	376	435	470	485	
	GFL06	389	448	483	498	543
	GFL07	422	481	516	531	576
	GFL09		515	550	565	610
	GFL11			591	606	651
	GFL14					696



		132C12 132C22	160C22	160C32	180C12 180C32	180C42	225C12 225C22
g		258	310		348		447
g₁	MHEMAXX	195	210		230		346
	MHEMABR	187	210		230		346
k₁	MHEMAXX	403	457.5	501.5	561	618	848
k₂		265			300		
Δ k	MHEMABR	109.5	105			113	
	MHFMAXX	115		149		155	213
	MHFMABR	201.5	179		215		213
		k					
GFL06		591					
GFL07		624	684	728			
GFL09		658	718	762	821	878	
GFL11		699	759	803	862	919	1149
GFL14		744	804	848	907	964	1194

	a	a ₄	a ₇	a ₈	c ₆	k ₆	k ₇	o ¹⁾	p ¹⁾	p ₁	s ₆
GFL04	90.5	12.5	22.5	128	14	32	35	148	214	69	12.5
GFL05	112.5	18.5	29	155	16	35	38	165	252	78	14
GFL06	140	22	35	195	20	46	46	206	315	98	14
GFL07	173	29	44	240	25	56	56	256	386	118	18
GFL09	220	37.5	50	300	32	70	70	318	486	149	22
GFL11	276.5	50	65	375	40	84	90	395	600	181	26
GFL14	339	65	80	455	50	100	114	490	740	228	32

	d ²⁾	d ₁	l	l ₁	u	t	i ₁	o ₁	a ₁	b ₁	e ₁	f ₁	s ₁
	H7				JS9	+0,2				H7			
GFL04	25 30	45 45	115 115	100 100	8 8	28.3 33.3	2.5 2.5	115 115	110	75	90	3	M6x12
GFL05	30 35	50 50	140 140	124 124	8 10	33.3 38.3	4 4	140 140	118	80	100	4	M8x14
GFL06	40 45	65 65	160 160	140 140	12 14	43.3 48.8	5 5	160 160	140	100	120	4	M10x16
GFL07	50 55	75 75	200 200	175 175	14 16	53.8 59.3	5 5	200 200	165	115	140	5	M12x18
GFL09	60 70	95 95	240 240	210 210	18 20	64.4 74.9	5 5	240 240	205	145	175	6	M16x24
GFL11	70 80	105 105	290 290	250 250	20 22	74.9 85.4	6 6	290 290	240	140	205	6	M20x32
GFL14	100	135	350	305	28	106.4	7	350	290	170	250	6	M24x35

¹⁾ k₂ !

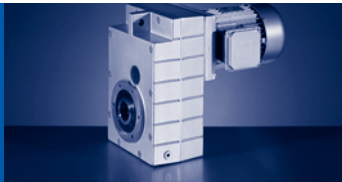
²⁾ Not suitable for through machine shaft at motor end:

GFL04-2M H□□ 080C□□; d=30

GFL05-2M H□□ 100C□□; d=35

GFL07-2M H□□ 160C□□; d=50/55

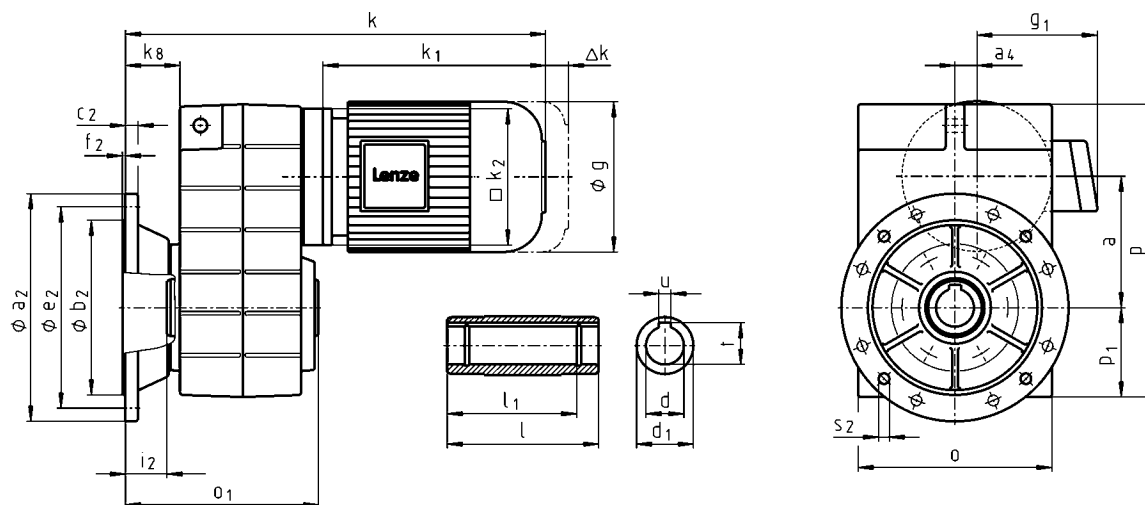
GFL11-2M H□□ 225C□□; d=80



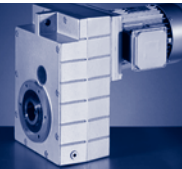
GFL

GFL [mm] - MH□MA (IE2)

GFL□□-2M HCK



		080C32	090C12 090C32	100C12	100C32	112C22
g		156	176	194		218
g₁	MHEMAXX	145	152	161		171
	MHEMABR	132	137	147		158
k₁	MHEMAXX	224.5	274	309	324	363
k₂		145		180		222
	MHEMABR	73	68	76		90
Δk	MHFMAXX	128		109		102
	MHFMABR	183	181	170		183
k						
GFL04		387				
GFL05		409	468	503	518	
GFL06		430	489	524	539	584
GFL07		477	536	571	586	631
GFL09			575	610	625	670
GFL11				651	666	711
GFL14						756



		132C12 132C22	160C22	160C32	180C12 180C32	180C42	225C12 225C22
g		258	310		348		447
g₁	MHEMAXX	195	210		230		346
	MHEMABR	187	210		230		346
k₁	MHEMAXX	403	457.5	501.5	561	618	848
k₂		265			300		
Δ k	MHEMABR	109.5	105			113	
	MHFMAXX	115		149		155	213
	MHFMABR	201.5	179		215		213
k							
GFL06		632					
GFL07		679	739	783			
GFL09		718	778	822	881	938	
GFL11		759	819	863	922	979	1209
GFL14		804	864	908	967	1024	1254

	a	a ₄	k ₈	o ¹⁾	p ¹⁾	p ₁
GFL04	90.5	12.5	41.8	148	214	69
GFL05	112.5	18.5	46	165	252	78
GFL06	140	22	55.5	206	315	98
GFL07	173	29	72.5	256	386	118
GFL09	220	37.5	77.5	318	486	149
GFL11	276.5	50	85.5	395	600	181
GFL14	339	65	89.5	490	740	228

	d ²⁾	d ₁	l	l ₁	u	t	i ₂	o ₁	a ₂	b ₂	c ₂	e ₂	f ₂	s ₂
	H7				JS9	+0,2				j7				
GFL04	25 30	45 45	115 115	100 100	8 8	28.3 33.3	33 33	148 148	160	110	10	130	3.5	4 x 9
GFL05	30 35	50 50	140 140	124 124	8 10	33.3 38.3	33 33	173 173	200	130	12	165	4	4 x 11
GFL06	40 45	65 65	160 160	140 140	12 14	43.3 48.8	42 41	201 201	250	180	15	215	4	4 x 14
GFL07	50 55	75 75	200 200	175 175	14 16	53.8 59.3	55 55	255 255	250 300	180 230	15 17	215 265	4 4	4 x 14 4 x 14
GFL09	60 70	95 95	240 240	210 210	18 20	64.4 74.9	60 60	300 300	350	250	18	300	4	4 x 17.5
GFL11	70 80	105 105	290 290	250 250	20 22	74.9 85.4	60 60	350 350	400 450	300 350	20 22	350 400	5 5	4 x 17.5 8 x 17.5
GFL14	100	135	350	305	28	106.4	60	410	450	350	22	400	5	8 x 18.5

¹⁾ k₂ !

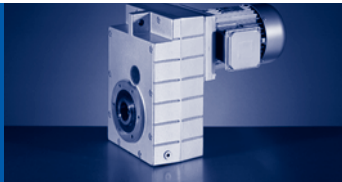
²⁾ Not suitable for through machine shaft at motor end:

GFL04-2M H□□ 080□□; d=30

GFL05-2M H□□ 100□□; d=35

GFL07-2M H□□ 160□□; d=50/55

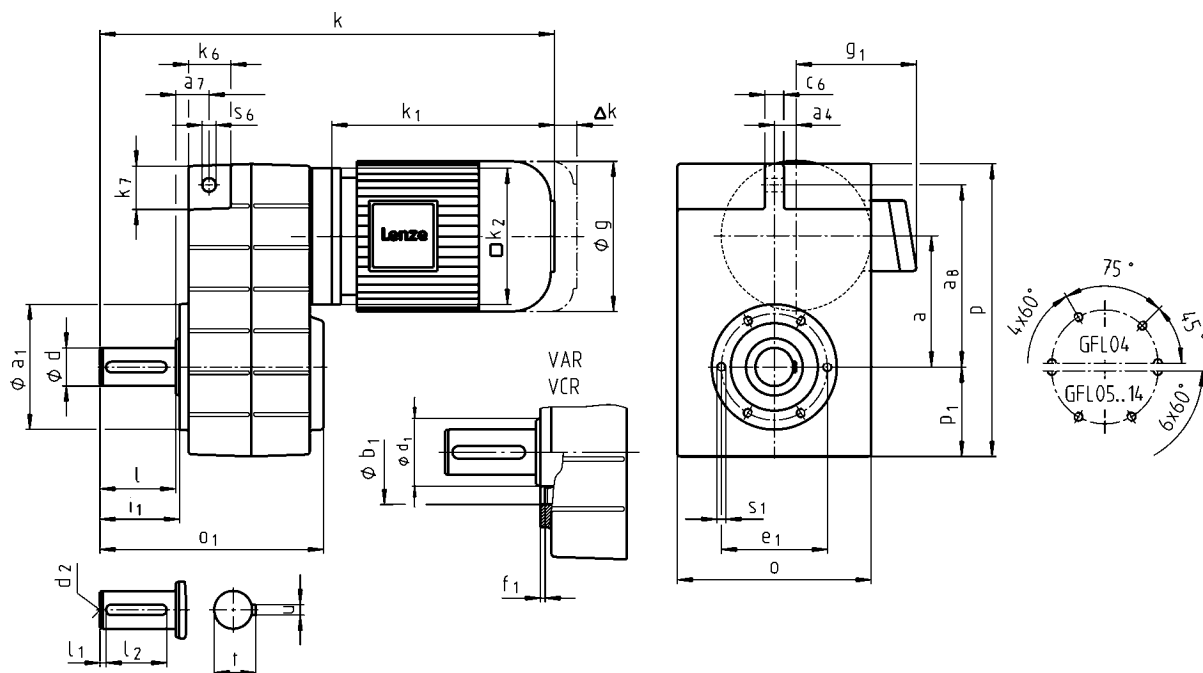
GFL11-2M H□□ 225□□; d=80



GFL

GFL [mm] - MH□MA (IE2)

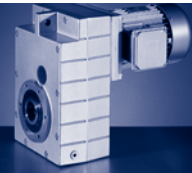
GFL□□-2M V□R



		080C32	090C12 090C32	100C12	100C32	112C22
g		156	176	194		218
g₁	MHEMAXX	145	152	161		171
	MHEMABR	132	137	147		158
k₁	MHEMAXX	224.5	274	309	324	363
k₂		145		180		222
Δk	MHEMABR	73	68	76		90
	MHFMAXX	128		109		102
	MHFMABR	183	181	170		183
k						
GFL04		404	464			
GFL05		436	495	530	545	
GFL06		469	528	563	578	623
GFL07		522	581	616	631	676
GFL09			635	670	685	730
GFL11				751	766	811
GFL14						896

GFL

GFL [mm] - MH□MA (IE2)

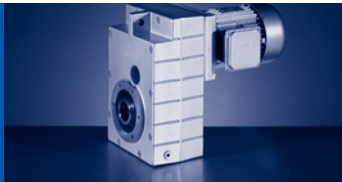


		132C12 132C22	160C22	160C32	180C12 180C32	180C42	225C12 225C22
g		258	310		348		447
g₁	MHEMAXX	195	210		230		346
	MHEMABR	187	210		230		346
k₁	MHEMAXX	403	457.5	501.5	561	618	848
k₂		265			300		
Δ k	MHEMABR	109.5	105			113	
	MHFMAXX	115		149		155	213
	MHFMABR	201.5	179		215		213
		k					
GFL06		671					
GFL07		724	784	828			
GFL09		778	838	882	941	998	
GFL11		859	919	963	1022	1079	1309
GFL14		944	1004	1048	1107	1164	1394

	a	a ₄	a ₇	a ₈	c ₆	k ₆	k ₇	o ¹⁾	p ¹⁾	p ₁	s ₆
GFL04	90.5	12.5	22.5	128	14	32	35	148	214	69	12.5
GFL05	112.5	18.5	29	155	16	35	38	165	252	78	14
GFL06	140	22	35	195	20	46	46	206	315	98	14
GFL07	173	29	44	240	25	56	56	256	386	118	18
GFL09	220	37.5	50	300	32	70	70	318	486	149	22
GFL11	276.5	50	65	375	40	84	90	395	600	181	26
GFL14	339	65	80	455	50	100	114	490	740	228	32

	d	d	d ₁	d ₂	l	l ₁	l ₂	u	t	o ₁	a ₁	b ₁	e ₁	f ₁	s ₁
	k6	m6										H7			
GFL04	25		45	M10	50	6	40	8	28	162.5	110	75	90	3	M6x12
GFL05	30		45	M10	60	6	45	8	33	196.5	118	80	100	4	M8x14
GFL06	40		65	M16	80	7	63	12	43	235.5	140	100	120	4	M10x16
GFL07	50		75	M16	100	8	80	14	53.5	295.5	165	115	140	5	M12x18
GFL09		60	95	M20	120	8	100	18	64	355.5	205	145	175	6	M16x24
GFL11		80	105	M20	160	15	125	22	85	444.5	240	140	205	6	M20x32
GFL14		100	135	M24	200	18	160	28	106	543.5	290	170	250	6	M24x35

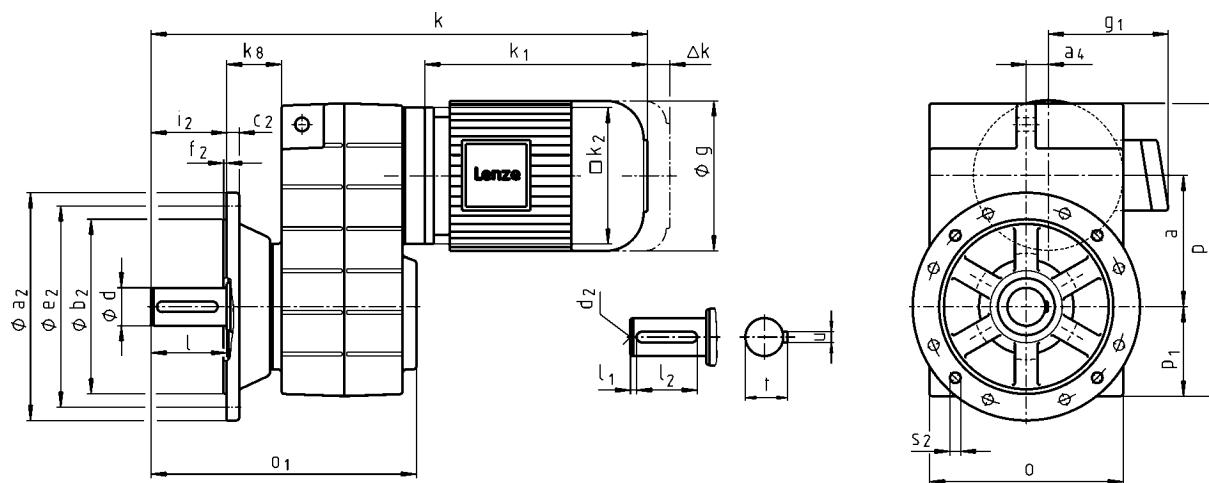
¹⁾ k₂ !



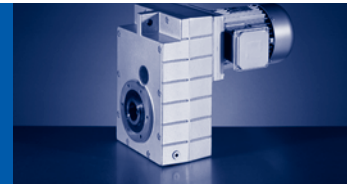
GFL

GFL [mm] - MH□MA (IE2)

GFL□□-2M VCK



		080C32	090C12 090C32	100C12	100C32	112C22
g		156	176	194		218
g₁	MHEMAXX	145	152	161		171
	MHEMABR	132	137	147		158
k₁	MHEMAXX	224.5	274	309	324	363
k₂		145		180		222
	MHEMABR	73	68	76		90
Δ k	MHFMAXX	128		109		102
	MHFMABR	183	181	170		183
k						
GFL04		437	497			
GFL05		469	528	563	578	
GFL06		510	569	604	619	664
GFL07		577	636	671	686	731
GFL09			695	730	745	790
GFL11				811	826	871
GFL14						956

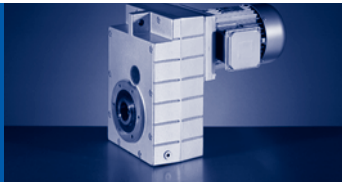


		132C12 132C22	160C22	160C32	180C12 180C32	180C42	225C12 225C22
g		258	310		348		447
g₁	MHEMAXX	195	210		230		346
	MHEMABR	187	210		230		346
k₁	MHEMAXX	403	457.5	501.5	561	618	848
k₂		265			300		
Δ k	MHEMABR	109.5	105			113	
	MHFMAXX	115		149		155	213
	MHFMABR	201.5	179		215		213
k							
GFL06		712					
GFL07		779	839	883			
GFL09		838	898	942	1001	1058	
GFL11		919	979	1023	1082	1139	1369
GFL14		1004	1064	1108	1167	1224	1454

	a	a ₄	k ₈	o ¹⁾	p ¹⁾	p ₁
GFL04	90.5	12.5	41.8	148	214	69
GFL05	112.5	18.5	46	165	252	78
GFL06	140	22	55.5	206	315	98
GFL07	173	29	72.5	256	386	118
GFL09	220	37.5	77.5	318	486	149
GFL11	276.5	50	85.5	395	600	181
GFL14	339	65	89.5	490	740	228

	d	d	d ₁	d ₂	l	l ₁	l ₂	u	t	i ₂	o ₁	a ₂	b ₂	c ₂	e ₂	f ₂	s ₂
	k6	m6											j7				
GFL04	25		45	M10	50	6	40	8	28	50	195.5	160	110	10	130	3.5	4 x 9
GFL05	30		45	M10	60	6	45	8	33	60	229.5	200	130	12	165	4	4 x 11
GFL06	40		65	M16	80	7	63	12	43	80	276.5	250	180	15	215	4	4 x 14
GFL07	50		75	M16	100	8	80	14	53.5	100	350.5	250 300	180 230	15 17	215 265	4 4	4 x 14 4 x 14
GFL09		60	95	M20	120	8	100	18	64	120	415.5	350	250	18	300	4	4 x 17.5
GFL11		80	105	M20	160	15	125	22	85	160	504.5	400 450	300 350	20 22	350 400	5 5	4 x 17.5 8 x 17.5
GFL14		100	135	M24	200	18	160	28	106	200	603.5	450	350	22	400	5	8 x 18.5

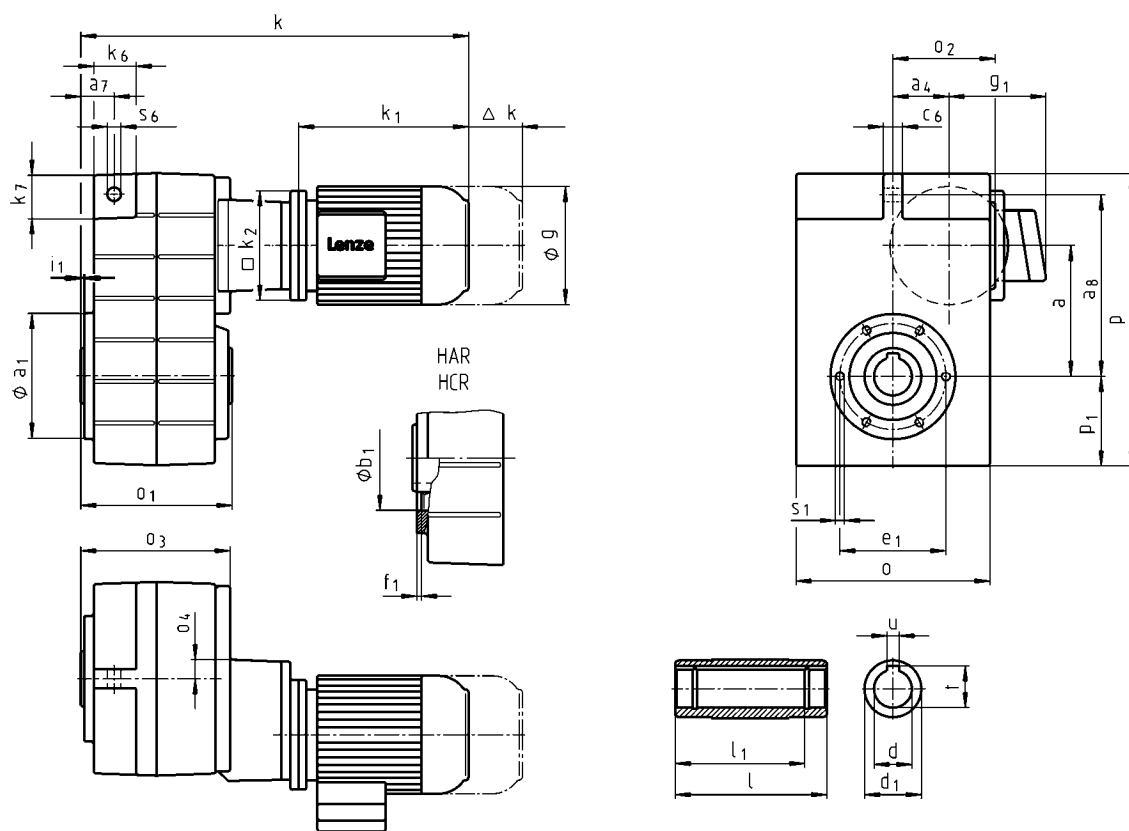
¹⁾ k₂ !



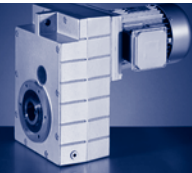
GFL

GFL [mm] - MH□MA (IE2)

GFL□□-3M H□R



		080C32	090C12	090C32	100C12
g		156		176	194
g₁	MHEMAXX	145		152	161
	MHEMABR	132		137	147
k₁	MHEMAXX	224.5		274	309
k₂		145		180	
	MHEMABR	73		68	76
Δk	MHFMAXX		128		109
	MHFMABR	183		181	170
				k	
GFL06		482	542		
GFL07		526		586	621
GFL09		578		638	673
GFL11		638		698	733
GFL14				777	812

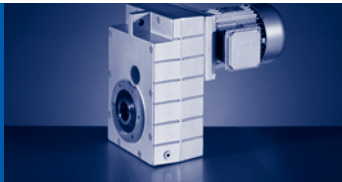


		100C32	112C22	132C12 132C22	160C22	160C32
g		194	218	258	310	
g ₁	MHEMAXX	161	171	195	210	
	MHEMABR	147	158	187	210	
k ₁	MHEMAXX	324	363	403	457.5	501.5
k ₂		180	222	265	300	
Δ k	MHEMABR	76	90	109.5	105	
	MHFMAXX	109	102	115	149	
	MHFMABR	170	183	201.5	179	
		k				
GFL09		688	733			
GFL11		748	793	841		
GFL14		827	872	920	979	1023

	a	a ₄	a ₇	a ₈	c ₆	k ₆	k ₇	o ¹⁾	o ₂	o ₃	o ₄	p ¹⁾	p ₁	s ₆
GFL06	140	58	35	195	20	46	46	206	111	159.5	20.2	315	98	14
GFL07	173	74	44	240	25	56	56	256	135	199	24	386	118	18
GFL09	220	93.5	50	300	32	70	70	318	170	237.5	27	486	149	22
GFL11	276.5	120	65	375	40	84	90	395	216	284.5	33.5	600	181	26
GFL14	339	154	80	455	50	100	114	490	271	339.5	38	740	228	32

	d	d ₁	l	l ₁	u	t	i ₁	o ₁	a ₁	b ₁	e ₁	f ₁	s ₁
	H7				JS9	+0,2				H7			
GFL06	40	65	160	140	12	43.3	5	160	140	100	120	4	M10x16
	45	65	160	140	14	48.8	5	160					
GFL07	50	75	200	175	14	53.8	5	200	165	115	140	5	M12x18
	55	75	200	175	16	59.3	5	200					
GFL09	60	95	240	210	18	64.4	5	240	205	145	175	6	M16x24
	70	95	240	210	20	74.9	5	240					
GFL11	70	105	290	250	20	74.9	6	290	240	140	205	6	M20x32
	80	105	290	250	22	85.4	6	290					
GFL14	100	135	350	305	28	106.4	7	350	290	170	250	6	M24x35

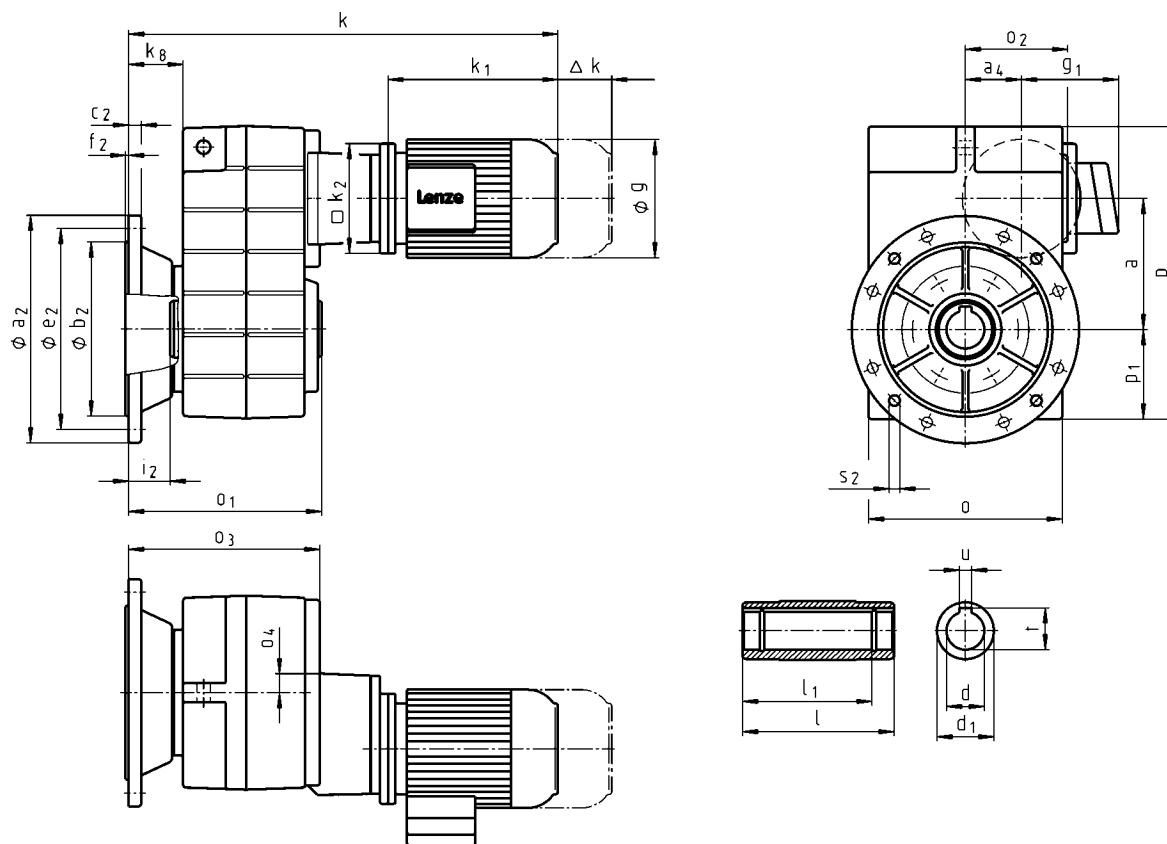
¹⁾ k₂ !



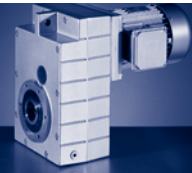
GFL

GFL [mm] - MH□MA (IE2)

GFL□□-3M HCK



		080C32	090C12	090C32	100C12
g		156		176	194
g₁	MHEMAXX	145		152	161
	MHEMABR	132		137	147
k₁	MHEMAXX	224.5		274	309
k₂		145		180	
	MHEMABR	73		68	76
Δ k	MHFMAXX		128		109
	MHFMABR	183		181	170
k					
GFL06		523	583		
GFL07		581		641	676
GFL09		638		698	733
GFL11		698		758	793
GFL14				837	872

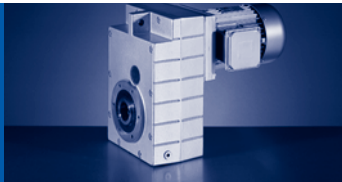


		100C32	112C22	132C12 132C22	160C22	160C32
g		194	218	258	310	
g₁	MHEMAXX	161	171	195	210	
	MHEMABR	147	158	187	210	
k₁	MHEMAXX	324	363	403	457.5	501.5
k₂		180	222	265	300	
Δ k	MHEMABR	76	90	109.5	105	
	MHFMAXX	109	102	115	149	
	MHFMABR	170	183	201.5	179	
k						
GFL09		748	793			
GFL11		808	853	901		
GFL14		887	932	980	1039	1083

	a	a ₄	k ₈	o ¹⁾	o ₂	o ₃	o ₄	p ¹⁾	p ₁
GFL06	140	58	55.5	206	111	200.5	20.2	315	98
GFL07	173	74	72.5	256	135	254	24	386	118
GFL09	220	93.5	77.5	318	170	297.5	27	486	149
GFL11	276.5	120	85.5	395	216	344.5	33.5	600	181
GFL14	339	154	89.5	490	271	399.5	38	740	228

	d	d ₁	l	l ₁	u	t	i ₂	o ₁	a ₂	b ₂	c ₂	e ₂	f ₂	s ₂
	H7				JS9	+0,2				j7				
GFL06	40	65	160	140	12	43.3	42	201	250	180	15	215	4	4 x 14
	45	65	160	140	14	48.8	41	201						
GFL07	50	75	200	175	14	53.8	55	255	250	180	15	215	4	4 x 14
	55	75	200	175	16	59.3	55	255	300	230	17	265	4	4 x 14
GFL09	60	95	240	210	18	64.4	60	300	350	250	18	300	4	4 x 17.5
	70	95	240	210	20	74.9	60	300						
GFL11	70	105	290	250	20	74.9	60	350	400	300	20	350	5	4 x 17.5
	80	105	290	250	22	85.4	60	350	450	350	22	400	5	8 x 17.5
GFL14	100	135	350	305	28	106.4	60	410	450	350	22	400	5	8 x 18.5

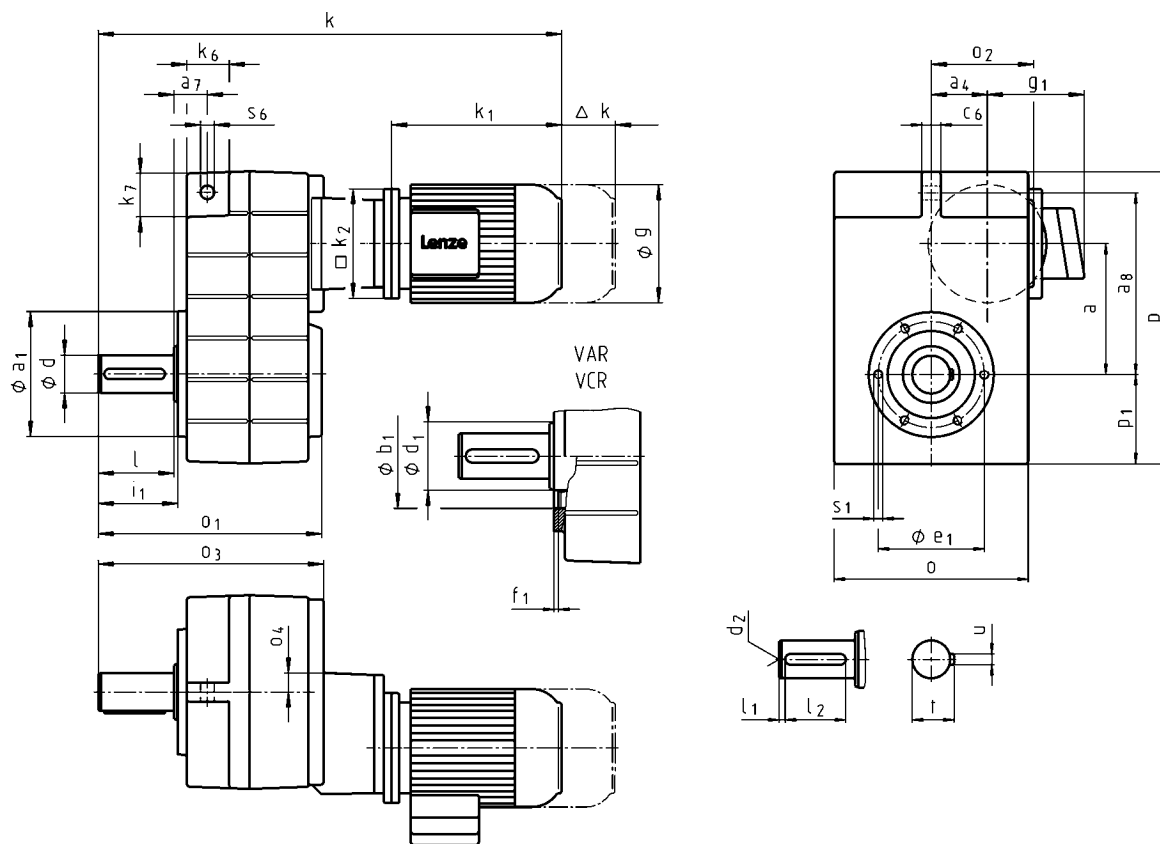
¹⁾ k₂ !



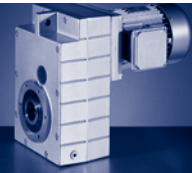
GFL

GFL [mm] - MH□MA (IE2)

GFL□□-3M V□R



		080C32	090C12	090C32	100C12
g		156		176	194
g ₁	MHEMAXX	145		152	161
	MHEMABR	132		137	147
k ₁	MHEMAXX	224.5		274	309
k ₂		145		180	
Δ k	MHEMABR	73		68	76
	MHFMAXX		128		109
	MHFMABR	183		181	170
		k			
GFL06		562	622		
GFL07		626		686	721
GFL09		698		758	793
GFL11		798		858	893
GFL14				977	1012

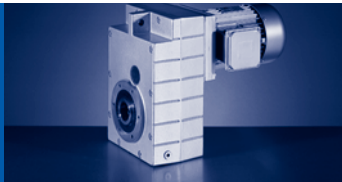


		100C32	112C22	132C12 132C22	160C22	160C32
g		194	218	258	310	
g ₁	MHEMAXX	161	171	195	210	
	MHEMABR	147	158	187	210	
k ₁	MHEMAXX	324	363	403	457.5	501.5
k ₂		180	222	265	300	
Δ k	MHEMABR	76	90	109.5	105	
	MHFMAXX	109	102	115	149	
	MHFMABR	170	183	201.5	179	
		k				
GFL09		808	853			
GFL11		908	953	1001		
GFL14		1027	1072	1120	1179	1223

	a	a ₄	a ₇	a ₈	c ₆	k ₆	k ₇	o ¹⁾	o ₂	o ₃	o ₄	p ¹⁾	p ₁	s ₆
GFL06	140	58	35	195	20	46	46	206	111	239.5	20.2	315	98	14
GFL07	173	74	44	240	25	56	56	256	135	299	24	386	118	18
GFL09	220	93.5	50	300	32	70	70	318	170	357.5	27	486	149	22
GFL11	276.5	120	65	375	40	84	90	395	216	444.5	33.5	600	181	26
GFL14	339	154	80	455	50	100	114	490	271	539.5	38	740	228	32

	d	d	d ₁	d ₂	l	l ₁	l ₂	u	t	o ₁	a ₁	b ₁	e ₁	f ₁	s ₁
	k6	m6										H7			
GFL06	40		65	M16	80	7	63	12	43	235.5	140	100	120	4	M10x16
GFL07	50		75	M16	100	8	80	14	53.5	295.5	165	115	140	5	M12x18
GFL09		60	95	M20	120	8	100	18	64	355.5	205	145	175	6	M16x24
GFL11		80	105	M20	160	15	125	22	85	444.5	240	140	205	6	M20x32
GFL14		100	135	M24	200	18	160	28	106	543.5	290	170	250	6	M24x35

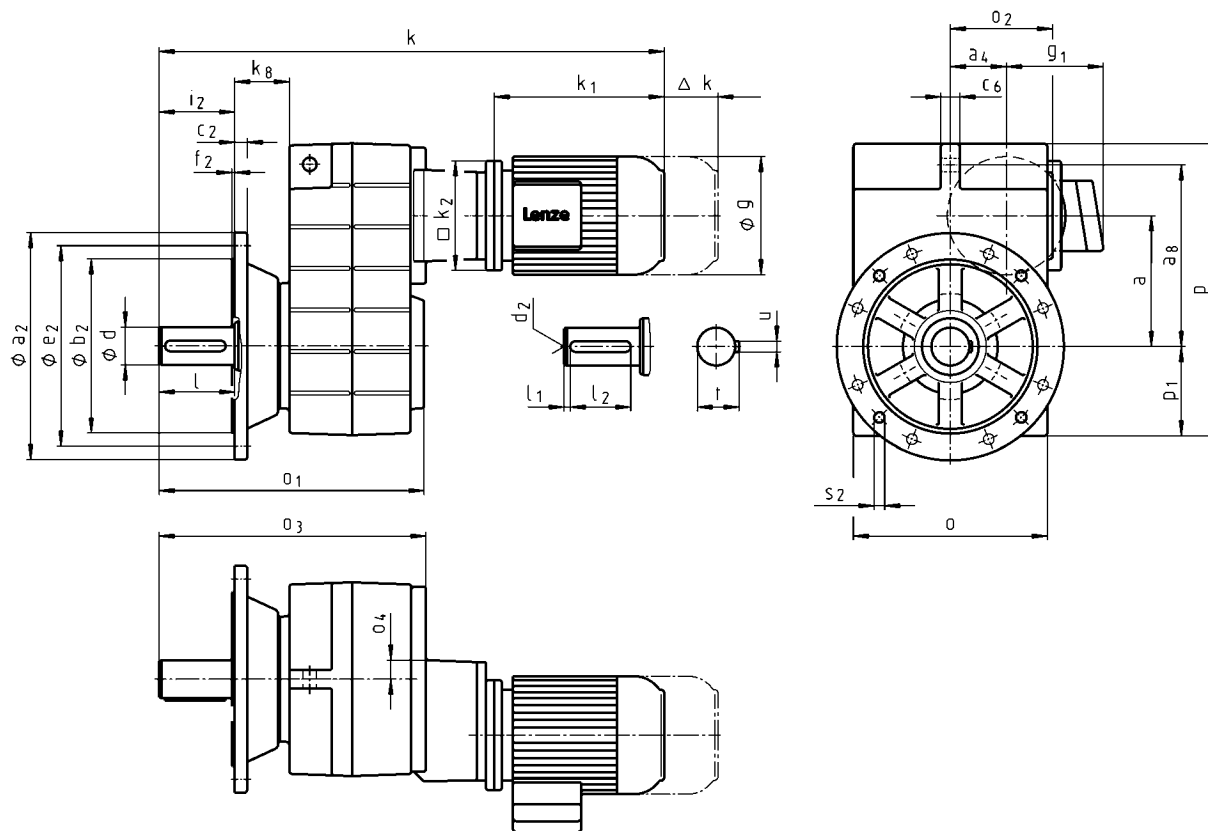
¹⁾ k₂ !



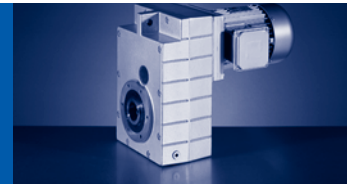
GFL

GFL [mm] - MH□MA (IE2)

GFL□□-3M VCK



		080C32	090C12	090C32	100C12
g		156		176	194
g₁	MHEMAXX	145		152	161
	MHEMABR	132		137	147
k₁	MHEMAXX	224.5		274	309
k₂		145		180	
	MHEMABR	73		68	76
Δ k	MHFMAXX		128		109
	MHFMABR	183		181	170
				k	
GFL06		603	663		
GFL07		681		741	776
GFL09		758		818	853
GFL11		858		918	953
GFL14				1037	1072



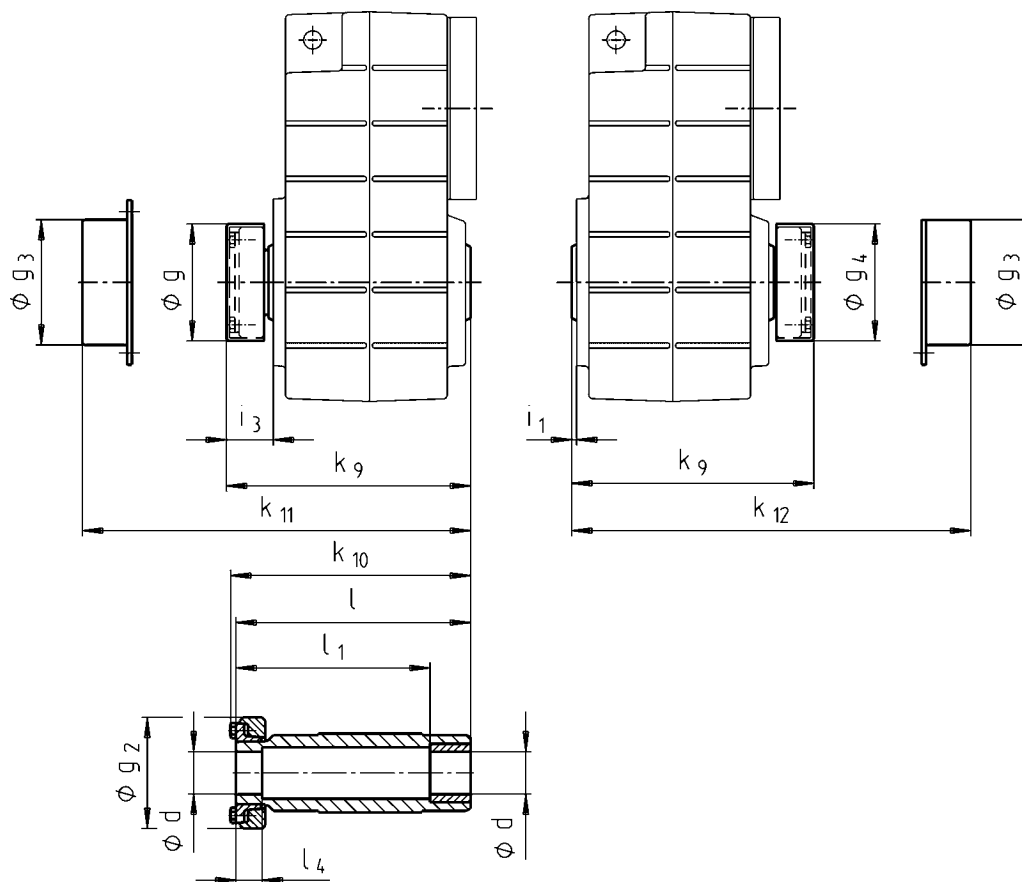
		100C32	112C22	132C12 132C22	160C22	160C32
g		194	218	258	310	
g₁	MHEMAXX	161	171	195	210	
	MHEMABR	147	158	187	210	
k₁	MHEMAXX	324	363	403	457.5	501.5
k₂		180	222	265	300	
Δ k	MHEMABR	76	90	109.5	105	
	MHFMAXX	109	102	115	149	
	MHFMABR	170	183	201.5	179	
k						
GFL09		868	913			
GFL11		968	1013	1061		
GFL14		1087	1132	1180	1239	1283

	a	a ₄	k ₈	o ¹⁾	o ₂	o ₃	o ₄	p ¹⁾	p ₁
GFL06	140	58	55.5	206	111	280.5	20.2	315	98
GFL07	173	74	72.5	256	135	354	24	386	118
GFL09	220	93.5	77.5	318	170	417.5	27	486	149
GFL11	276.5	120	85.5	395	216	504.5	33.5	600	181
GFL14	339	154	89.5	490	271	599.5	38	740	228

	d	d	d ₁	d ₂	l	l ₁	l ₂	u	t	i ₂	o ₁	a ₂	b ₂	c ₂	e ₂	f ₂	s ₂
	k6	m6											j7				
GFL06	40		65	M16	80	7	63	12	43	80	276.5	250	180	15	215	4	4 x 14
GFL07	50		75	M16	100	8	80	14	53.5	100	350.5	250 300	180 230	15 17	215 265	4 4	4 x 14 4 x 14
GFL09		60	95	M20	120	8	100	18	64	120	415.5	350	250	18	300	4	4 x 17.5
GFL11		80	105	M20	160	15	125	22	85	160	504.5	400 450	300 350	20 22	350 400	5 5	4 x 17.5 8 x 17.5
GFL14		100	135	M24	200	18	160	28	106	200	603.5	450	350	22	400	5	8 x 18.5

¹⁾ k₂ !

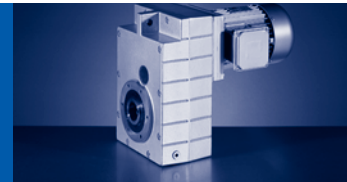
Hollow shaft with shrink disc



	d ¹⁾	g ₂	g ₃	g ₄	i ₁	k ₉	k ₁₀	k ₁₁	k ₁₂	l	l ₁	l ₄
	h6											
GFL04	25 30	72	79	76	2.5	150	148	154	154	142	122	26
GFL04	25 30	72	79	76	2.5	150	148	154	154	142	122	26
GFL05	35	80	90	84	4.0	176	174	179	180	168	148	28
GFL06	40	90	100	94	5.0	202	200	204	205	194	164	30
GFL07	50	110	124	116	5.0	241	238	244	245	232	192	26
GFL09	65	141	159	147	5.0	288	285	287	288	278	228	30
GFL11	80	170	191	176	6.0	347	344	349	350	338	238	42
GFL14	100	215	253	221	7.0	418	415	421	422	407	307	55

¹⁾ Machine shaft design.

- Output flange and hollow shaft with shrink disc (design S□K) is only possible with shrink disc in position 1.
- Not suitable for through machine shaft at motor end:
 GFL04-2M S□□ 080C□□; d=30
 GFL05-2M S□□ 100C□□; d=35
 GFL07-2M S□□ 160C□□; d=50/55
 GFL11-2M S□□ 225C□□; d=80



- ▶ Ensure that the strength of the machine shaft material is adequate in shrink disc designs.
When using typical steels (e.g. C45, 42CrMo4), the torques listed in the selection tables can be used without restriction. Please consult us if you wish to use material that is considerably weaker. Medium surface roughness Rz must not exceed 15 µm (turning is sufficient).

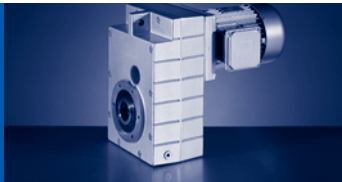
Combination options with shrink disc in position 1 (drive end)

GFL□□-2M

Gearbox	Motor frame size
GFL04	
GFL05	063 ¹⁾ 071 ¹⁾
GFL06	063 071 080 090 ¹⁾ 100 ¹⁾
GFL07	080 090 100 112 ¹⁾
GFL09	090 100 112 132
GFL11	100 112 132 160 180 225
GFL14	112 132 160 180 225

¹⁾ Only possible without cover

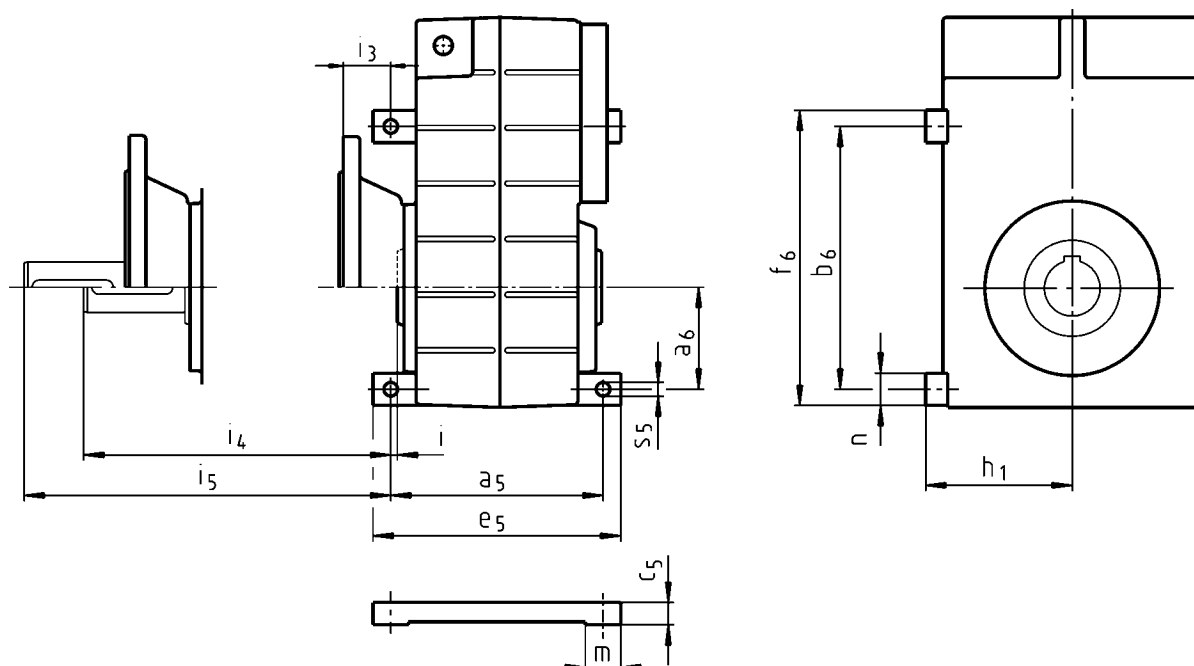
- ▶ For geared motors GFL□□-2M/ES... with shrink disc position 1: terminal box position / motec position 4 not possible!



GFL

GFL & [mm] - Additional dimensions

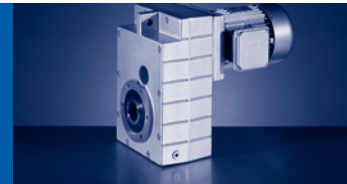
Foot mounting in position 3



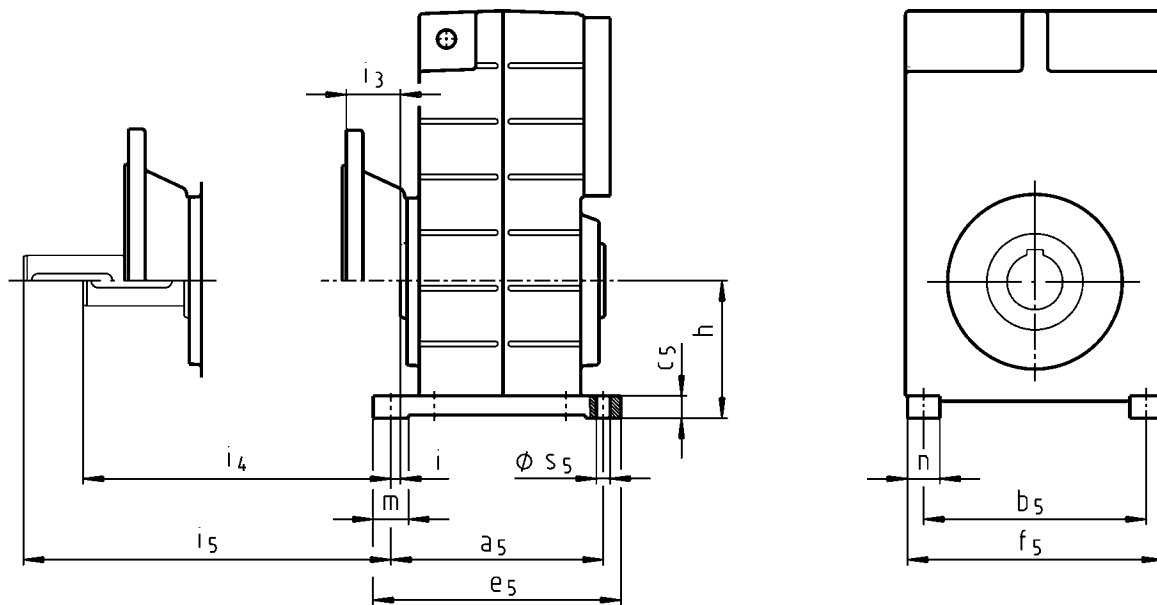
	a ₅	a ₆	b ₆	c ₅	e ₅	f ₆	h ₁	i	i ₃	i ₄	i ₅	m	n	s ₅
GFL04	130	47	115	18	152	140	90	4.5	28.5	45.5	78.5	22	25	6.6
GFL05	160	65	167	21	185	192	100	2.0	31.0	58.0	91.0	25		9.0
GFL06	175	80	205	27	205	233	125		39.0	78.0	119	30	28	11.0
GFL07	220	100	260	31	255	292	155	3.0	52.0	97.0	152	35	32	13.5
GFL09	260	125	335	36	300	375	190		57.0	117	177	40	40	17.5
GFL11	315	155	435	48	365	485	240			157	217	50	50	22.0
GFL14	375	200	540	57	430	600	295			197	257	55	60	26.0

The following versions are not possible with feet:

- ▶ GFL04: Motor size 090
- ▶ GFL05: Motor size 090

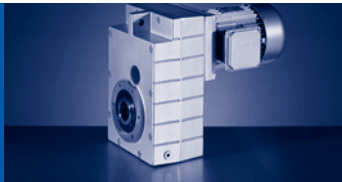


Foot mounting in position 4



	a ₅	b ₅	c ₅	e ₅	f ₅	h	i	i ₃	i ₄	i ₅	m	n	s ₅
GFL04	130	108	18	152	133.0	85	4.5	28.5	45.5	78.5	22	25	6.6
GFL05	160	140	21	185	165.0	95	2.0	31.0	58.0	91.0	25		9.0
GFL06	175	175	27	205	203.0	120		39.0	78.0	119	30	28	11.0
GFL07	220	220	31	255	252.0	145	3.0	52.0	97.0	152	35	32	13.5
GFL09	260	275	36	300	315.0	180		57.0	117	177	40	40	17.5
GFL11	315	340	48	365	390.0	224			157	217	50	50	22.0
GFL14	375	425	57	430	485.0	278			197	257	55	60	26.0

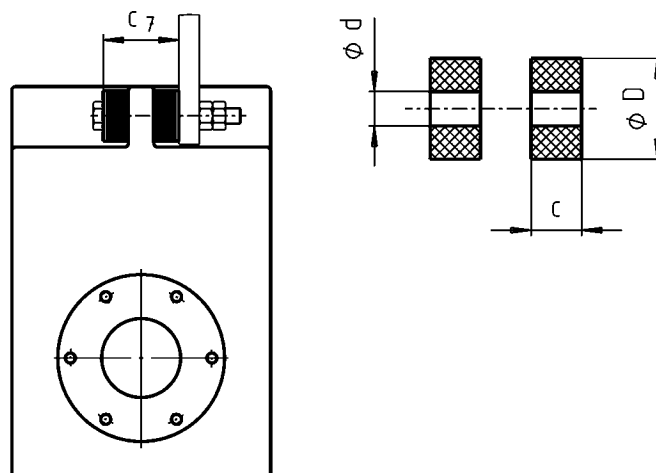
- In mounting positions E and F, the oil check bore hole/oil-sight glass are located between the feet in position 4!



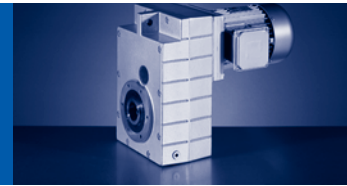
GFL

GFL & [mm] - Additional dimensions

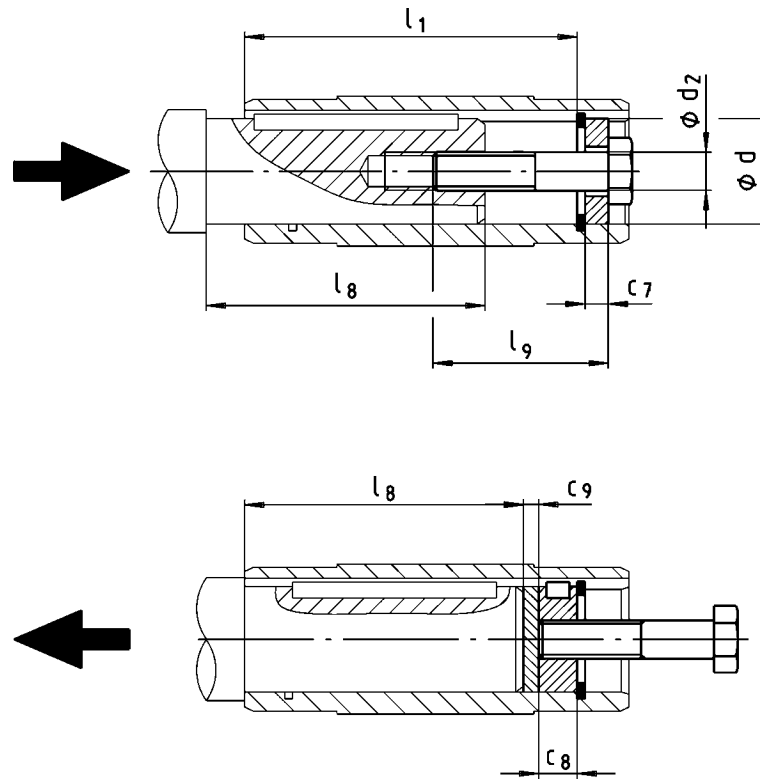
Rubber buffer for torque plate



	d	D	c	c ₇
GFL04	11	30	14.5	43
GFL05	11	30	14.5	45
GFL06	13	40	15.0	50
GFL07	17	50	27.0	79
GFL09	21	60	28.0	88
GFL11	26	72	29.0	98
GFL14	33	92	30.0	110

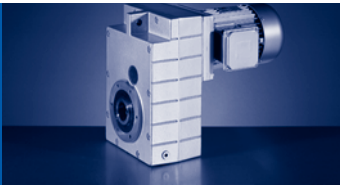


Mounting set for hollow shaft circlip - Proposed design for auxiliary tools



4

	d	l ₁	d ₂	l ₉	c ₇	c ₈	c ₉	l _{8, max}
	H7							
GFL04	25 30	100	M10	40	5	10	3	85
GFL05	30 35	124			6			107
			M12	50	7	12		
GFL06	40 45	140	M16	60	8	16	4	118
					9			
GFL07	50 55	175			10			148
			M20	80	11	20	5	
GFL09	60 70	210			13			182
					14			
GFL11	70 80	250			16			221
GFL14	100	305	M24	100	20	24	8	270



GFL

GFL & [mm] - Additional dimensions