

# GFL shaft-mounted helical gearboxes

## Technical data



### Selection tables

50 Hz, 60 Hz:  $P_N = 0.12$  kW

$n_N$	1425 r/min			1735 r/min			i		
	50 Hz			60 Hz					
	$n_2$ [r/min]	$M_2$ [Nm]	c	$n_2$ [r/min]	$M_2$ [Nm]	c			
	203	5.5	5.4	246	4.5	6.2	7.025	GFL04-2M □□□063C12	108
	89	13	5.4	107	10	6.2	16.087	GFL04-2M □□□063C12	108
	80	14	5.4	96	11	6.2	17.920	GFL04-2M □□□063C12	108
	69	16	5.0	84	13	5.8	20.519	GFL04-2M □□□063C12	108
	62	18	5.0	76	15	5.8	22.857	GFL04-2M □□□063C12	108
	45	25	5.5	55	20	6.7	31.600	GFL04-2M □□□063C12	108
	40	27	5.5	49	23	6.7	35.200	GFL04-2M □□□063C12	108
	35	32	4.6	42	26	5.6	40.697	GFL04-2M □□□063C12	108
	31	35	4.6	38	29	5.6	45.333	GFL04-2M □□□063C12	108
	28	40	4.0	33	33	4.9	51.579	GFL04-2M □□□063C12	108
	25	45	3.9	30	37	4.7	57.455	GFL04-2M □□□063C12	108
	22	50	3.2	27	41	4.0	64.636	GFL04-2M □□□063C12	108
	20	56	3.2	24	46	3.8	72.000	GFL04-2M □□□063C12	108
	17	66	1.6	20	55	1.9	85.156	GFL04-2M □□□063C12	108
	15	74	1.6	18	61	1.9	94.857	GFL04-2M □□□063C12	108
	14	78	4.2	17	64	5.1	101.547	GFL05-3M □□□063C12	124
	12	88	3.7	15	73	4.5	114.952	GFL05-3M □□□063C12	124
	11	100	3.3	13	82	4.0	129.524	GFL05-3M □□□063C12	124
	9.9	111	5.0	12	91	6.1	144.320	GFL06-3M □□□063C12	124
	8.8	125	4.9	11	103	6.0	162.583	GFL06-3M □□□063C12	124
	8.1	136	2.5	9.7	112	3.1	177.027	GFL05-3M □□□063C12	124
	7.1	153	2.1	8.7	126	2.6	199.467	GFL05-3M □□□063C12	124
	6.3	175	2.0	7.6	144	2.4	227.989	GFL05-3M □□□063C12	124
	5.6	197	1.7	6.7	162	2.0	256.889	GFL05-3M □□□063C12	124
	5.5	200	3.1	6.6	164	3.7	260.457	GFL06-3M □□□063C12	124
	4.9	222	1.6	6.0	182	1.9	288.948	GFL05-3M □□□063C12	124
	4.9	225	2.9	5.9	185	3.6	293.018	GFL06-3M □□□063C12	124
	4.8	230	2.7	5.8	189	3.2	299.200	GFL06-3M □□□063C12	124
	4.4	250	1.3	5.3	206	1.6	325.576	GFL05-3M □□□063C12	124
	3.9	278	1.2	4.8	229	1.5	362.100	GFL05-3M □□□063C12	124
	3.9	282	2.3	4.7	232	2.8	367.200	GFL06-3M □□□063C12	124
	3.5	314	1.0	4.2	258	1.3	408.000	GFL05-3M □□□063C12	124
	3.4	318	1.9	4.2	261	2.4	413.667	GFL06-3M □□□063C12	124
	3.0	365	1.8	3.6	300	2.2	475.200	GFL06-3M □□□063C12	124
	3.0	367	0.9	3.6	301	1.1	477.052	GFL05-3M □□□063C12	124
	2.7	411	1.5	3.2	338	1.8	535.333	GFL06-3M □□□063C12	124
				3.2	339	1.0	537.524	GFL05-3M □□□063C12	124
	2.5	443	1.4	3.0	364	1.7	576.720	GFL06-3M □□□063C12	124
	2.2	499	1.2	2.7	410	1.5	649.700	GFL06-3M □□□063C12	124
	1.9	584	0.9	2.3	480	1.1	759.806	GFL06-3M □□□063C12	124

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## Selection tables

50 Hz, 60 Hz:  $P_N = 0.12 \text{ kW}$

$n_N$	1425 r/min			1735 r/min			i		
	50 Hz			60 Hz					
$f_N$	$n_2$ [r/min]	$M_2$ [Nm]	c	$n_2$ [r/min]	$M_2$ [Nm]	c			
	1.7	658	0.9	2.0	540	1.0	855.954	GFL06-3M □□□063C12	124

# GFL shaft-mounted helical gearboxes

Technical data



## Selection tables

50 Hz, 60 Hz: P<sub>N</sub> = 0.18 kW

n <sub>N</sub>	2740 r/min			3370 r/min			i	GFL04-2M □□□063C11	108
	50 Hz			60 Hz					
	n <sub>2</sub> [r/min]	M <sub>2</sub> [Nm]	c	n <sub>2</sub> [r/min]	M <sub>2</sub> [Nm]	c			
	390	4.3	5.6	475	3.5	6.5	7.025	GFL04-2M □□□063C11	108
	170	9.8	5.6	208	8.0	6.5	16.087	GFL04-2M □□□063C11	108
	153	11	5.6	186	8.9	6.5	17.920	GFL04-2M □□□063C11	108
	134	12	5.2	163	10	6.0	20.519	GFL04-2M □□□063C11	108
	120	14	5.2	146	11	6.0	22.857	GFL04-2M □□□063C11	108
	67	25	5.5	82	20	6.3	40.697	GFL04-2M □□□063C11	108
	60	28	5.5	74	22	6.3	45.333	GFL04-2M □□□063C11	108
	53	31	4.8	65	26	5.5	51.579	GFL04-2M □□□063C11	108
	48	35	4.6	58	28	5.3	57.455	GFL04-2M □□□063C11	108
	42	39	3.9	52	32	4.4	64.636	GFL04-2M □□□063C11	108
	38	44	4.0	46	36	4.8	72.000	GFL04-2M □□□063C11	108
	32	52	2.0	39	42	2.4	85.156	GFL04-2M □□□063C11	108
	29	58	2.0	35	47	2.4	94.857	GFL04-2M □□□063C11	108
	27	61	5.4	33	49	6.4	101.547	GFL05-3M □□□063C11	124
	24	69	4.8	29	56	5.6	114.952	GFL05-3M □□□063C11	124
	21	78	4.2	26	63	5.0	129.524	GFL05-3M □□□063C11	124
	16	106	3.3	19	86	3.8	177.027	GFL05-3M □□□063C11	124
	14	120	2.7	17	97	3.2	199.467	GFL05-3M □□□063C11	124
	12	137	2.5	15	111	3.0	227.989	GFL05-3M □□□063C11	124
	11	154	2.1	13	125	2.5	256.889	GFL05-3M □□□063C11	124
	9.5	173	2.0	12	141	2.4	288.948	GFL05-3M □□□063C11	124
	8.4	195	1.7	10	159	2.0	325.576	GFL05-3M □□□063C11	124
	7.6	217	1.6	9.2	177	1.9	362.100	GFL05-3M □□□063C11	124
	7.5	220	3.0	9.1	179	3.5	367.200	GFL06-3M □□□063C11	124
	6.7	245	1.3	8.2	199	1.6	408.000	GFL05-3M □□□063C11	124
	6.6	248	2.5	8.1	202	2.9	413.667	GFL06-3M □□□063C11	124
	5.8	285	2.3	7.0	232	2.7	475.200	GFL06-3M □□□063C11	124
	5.7	286	1.2	7.0	233	1.4	477.052	GFL05-3M □□□063C11	124
	5.1	321	1.9	6.2	261	2.3	535.333	GFL06-3M □□□063C11	124
	5.1	322	1.0	6.2	262	1.2	537.524	GFL05-3M □□□063C11	124
	4.8	346	1.8	5.8	281	2.1	576.720	GFL06-3M □□□063C11	124
	4.2	390	1.6	5.1	317	1.9	649.700	GFL06-3M □□□063C11	124
	3.6	456	1.1	4.4	370	1.4	759.806	GFL06-3M □□□063C11	124
	3.2	513	1.1	3.9	417	1.3	855.954	GFL06-3M □□□063C11	124

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Technical data



## Selection tables

50 Hz, 60 Hz:  $P_N = 0.18 \text{ kW}$

$n_N$	1365 r/min			1695 r/min			i	GFL Model	Ratio
	50 Hz			60 Hz					
	$n_2$ [r/min]	$M_2$ [Nm]	c	$n_2$ [r/min]	$M_2$ [Nm]	c			
	194	8.6	3.4	237	6.9	4.1	7.025	GFL04-2M □□□063C32	108
	85	20	3.4	104	16	4.1	16.087	GFL04-2M □□□063C32	108
	76	22	3.4	93	18	4.1	17.920	GFL04-2M □□□063C32	108
	67	25	3.2	81	20	3.8	20.519	GFL04-2M □□□063C32	108
	60	28	3.2	73	22	3.8	22.857	GFL04-2M □□□063C32	108
	43	39	3.5	53	31	4.3	31.600	GFL04-2M □□□063C32	108
	39	43	3.5	47	35	4.3	35.200	GFL04-2M □□□063C32	108
	34	50	2.9	41	40	3.6	40.697	GFL04-2M □□□063C32	108
	30	55	2.9	37	45	3.6	45.333	GFL04-2M □□□063C32	108
	27	63	2.6	32	51	3.2	51.579	GFL04-2M □□□063C32	108
	24	70	2.5	29	57	3.1	57.455	GFL04-2M □□□063C32	108
	22	74	2.8	27	60	3.5	61.653	GFL05-3M □□□063C32	124
	21	79	2.1	26	64	2.6	64.636	GFL04-2M □□□063C32	108
	21	80	3.2	25	64	4.0	66.213	GFL06-3M □□□063C32	124
	19	88	2.0	23	71	2.5	72.000	GFL04-2M □□□063C32	108
	19	87	3.2	23	70	4.0	72.000	GFL06-3M □□□063C32	124
	17	95	2.4	21	76	3.0	78.639	GFL05-3M □□□063C32	124
	17	98	3.2	21	79	4.0	81.111	GFL06-3M □□□063C32	124
	16	104	1.0	20	84	1.2	85.156	GFL04-2M □□□063C32	108
	15	108	2.8	19	87	3.5	90.123	GFL05-3M □□□063C32	124
	14	116	1.0	18	93	1.2	94.857	GFL04-2M □□□063C32	108
	13	122	2.7	16	98	3.3	101.547	GFL05-3M □□□063C32	124
	12	138	2.4	15	111	3.0	114.952	GFL05-3M □□□063C32	124
	12	140	2.9	14	113	3.6	116.571	GFL06-3M □□□063C32	124
	11	156	2.1	13	126	2.6	129.524	GFL05-3M □□□063C32	124
	10	158	3.2	13	127	4.0	131.323	GFL06-3M □□□063C32	124
	9.5	174	3.2	12	140	4.0	144.320	GFL06-3M □□□063C32	124
	8.4	196	3.1	10	158	3.9	162.583	GFL06-3M □□□063C32	124
	7.7	213	1.6	9.4	172	2.0	177.027	GFL05-3M □□□063C32	124
	7.6	216	2.8	9.3	174	3.5	179.520	GFL06-3M □□□063C32	124
	6.8	240	1.4	8.4	193	1.7	199.467	GFL05-3M □□□063C32	124
	6.8	243	2.5	8.2	196	3.1	202.237	GFL06-3M □□□063C32	124
	6.0	274	1.3	7.3	221	1.6	227.989	GFL05-3M □□□063C32	124
	5.9	278	2.3	7.2	224	2.8	231.200	GFL06-3M □□□063C32	124
	5.3	309	1.1	6.5	249	1.3	256.889	GFL05-3M □□□063C32	124
	5.2	313	2.0	6.4	252	2.4	260.457	GFL06-3M □□□063C32	124
	4.7	348	1.0	5.8	280	1.2	288.948	GFL05-3M □□□063C32	124
	4.7	353	1.9	5.7	284	2.3	293.018	GFL06-3M □□□063C32	124
	4.6	360	1.7	5.6	290	2.1	299.200	GFL06-3M □□□063C32	124
	4.2	392	0.8	5.1	316	1.0	325.576	GFL05-3M □□□063C32	124

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# GFL shaft-mounted helical gearboxes

Technical data



## Selection tables

50 Hz, 60 Hz: P<sub>N</sub> = 0.18 kW

n <sub>N</sub>	1365 r/min			1695 r/min			i	GFL05-3M □□□063C32	124
	50 Hz			60 Hz					
	n <sub>2</sub> [r/min]	M <sub>2</sub> [Nm]	c	n <sub>2</sub> [r/min]	M <sub>2</sub> [Nm]	c			
				4.7	351	1.0	362.100	GFL05-3M □□□063C32	124
	3.7	442	1.5	4.5	356	1.8	367.200	GFL06-3M □□□063C32	124
				4.2	395	0.8	408.000	GFL05-3M □□□063C32	124
	3.3	498	1.2	4.0	401	1.5	413.667	GFL06-3M □□□063C32	124
	2.9	572	1.1	3.5	461	1.4	475.200	GFL06-3M □□□063C32	124
	2.6	644	1.0	3.1	519	1.2	535.333	GFL06-3M □□□063C32	124
	2.4	694	0.9	2.9	559	1.1	576.720	GFL06-3M □□□063C32	124
				2.6	630	1.0	649.700	GFL06-3M □□□063C32	124

# GFL shaft-mounted helical gearboxes

Technical data



## Selection tables

50 Hz, 60 Hz:  $P_N = 0.18 \text{ kW}$

$n_N$	930 r/min			1140 r/min			i		
	50 Hz			60 Hz					
	$n_2$ [r/min]	$M_2$ [Nm]	c	$n_2$ [r/min]	$M_2$ [Nm]	c			
	254	6.6	5.4	309	5.4	6.6	3.659	GFL04-2M □□□071C13	108
	185	9.0	5.4	225	7.3	6.6	5.018	GFL04-2M □□□071C13	108
	159	10	5.4	194	8.5	6.6	5.833	GFL04-2M □□□071C13	108
	145	11	5.4	177	9.4	6.6	6.400	GFL05-2M □□□071C13	108
	111	15	5.4	135	12	6.6	8.379	GFL04-2M □□□071C13	108
	100	17	5.4	121	14	6.6	9.333	GFL04-2M □□□071C13	108
	81	21	5.4	98	17	6.6	11.491	GFL04-2M □□□071C13	108
	73	23	5.4	88	19	6.6	12.800	GFL04-2M □□□071C13	108
	59	29	5.4	71	23	6.6	15.904	GFL05-2M □□□071C13	108
	52	32	5.2	63	26	6.4	17.920	GFL04-2M □□□071C13	108
	45	37	5.0	55	30	6.1	20.519	GFL04-2M □□□071C13	108
	41	41	4.1	49	33	5.0	22.857	GFL04-2M □□□071C13	108
	37	45	4.1	45	37	5.0	25.136	GFL04-2M □□□071C13	108
	33	50	3.3	40	41	4.1	28.000	GFL04-2M □□□071C13	108
	29	57	3.3	36	46	4.0	31.600	GFL04-2M □□□071C13	108
	26	63	2.7	32	51	3.3	35.200	GFL04-2M □□□071C13	108
	23	73	2.6	28	60	3.1	40.697	GFL04-2M □□□071C13	108
	21	81	2.1	25	66	2.6	45.333	GFL04-2M □□□071C13	108
	18	92	2.1	22	75	2.5	51.579	GFL04-2M □□□071C13	108
	16	103	1.7	20	84	2.1	57.455	GFL04-2M □□□071C13	108
	16	105	3.1	19	86	3.8	58.667	GFL05-2M □□□071C13	108
	15	109	1.9	18	89	2.3	61.653	GFL05-3M □□□071C13	124
	15	113	2.5	18	92	3.1	63.190	GFL05-2M □□□071C13	108
	14	116	1.4	18	95	1.7	64.636	GFL04-2M □□□071C13	108
	13	128	2.4	16	104	2.9	71.200	GFL05-2M □□□071C13	108
	13	129	1.4	16	105	1.7	72.000	GFL04-2M □□□071C13	108
	12	139	1.6	14	113	2.0	78.639	GFL05-3M □□□071C13	124
	12	145	1.5	14	118	1.8	80.763	GFL05-2M □□□071C13	108
	12	145	3.0	14	118	3.7	81.000	GFL06-2M □□□071C13	108
	11	156	3.1	13	127	3.8	88.200	GFL06-3M □□□071C13	124
	10	159	1.9	13	130	2.3	90.123	GFL05-3M □□□071C13	124
	10	163	1.4	12	133	1.8	91.000	GFL05-2M □□□071C13	108
	10	164	2.9	12	133	3.6	91.250	GFL06-2M □□□071C13	108
	9.4	176	3.1	11	143	3.8	99.361	GFL06-3M □□□071C13	124
	9.2	179	1.8	11	146	2.2	101.547	GFL05-3M □□□071C13	124
	8.1	203	1.6	9.8	166	2.0	114.952	GFL05-3M □□□071C13	124
	8.0	206	2.6	9.7	168	3.1	116.571	GFL06-3M □□□071C13	124
	7.2	229	1.4	8.7	187	1.8	129.524	GFL05-3M □□□071C13	124
	7.1	232	2.6	8.6	189	3.1	131.323	GFL06-3M □□□071C13	124
	6.6	249	1.4	8.0	203	1.7	140.817	GFL05-3M □□□071C13	124

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## Selection tables

50 Hz, 60 Hz: P<sub>N</sub> = 0.18 kW

n <sub>N</sub>	930 r/min			1140 r/min			i	GFL Model	124
	50 Hz			60 Hz					
	n <sub>2</sub> [r/min]	M <sub>2</sub> [Nm]	c	n <sub>2</sub> [r/min]	M <sub>2</sub> [Nm]	c			
	6.4	255	2.2	7.8	208	2.7	144.320	GFL06-3M □□□071C13	124
	5.9	280	1.2	7.1	229	1.4	158.667	GFL05-3M □□□071C13	124
	5.7	287	2.1	7.0	234	2.6	162.583	GFL06-3M □□□071C13	124
	5.3	313	1.1	6.4	255	1.4	177.027	GFL05-3M □□□071C13	124
	5.2	317	1.9	6.3	259	2.3	179.520	GFL06-3M □□□071C13	124
	4.7	352	0.9	5.7	287	1.1	199.467	GFL05-3M □□□071C13	124
	4.6	357	1.7	5.6	291	2.1	202.237	GFL06-3M □□□071C13	124
	4.1	403	0.9	5.0	329	1.1	227.989	GFL05-3M □□□071C13	124
	4.0	408	1.6	4.9	333	1.9	231.200	GFL06-3M □□□071C13	124
	3.7	447	2.8	4.5	365	3.4	253.111	GFL07-3M □□□071C13	124
	3.6	460	1.3	4.3	375	1.6	260.457	GFL06-3M □□□071C13	124
	3.2	513	2.7	3.9	419	3.3	290.706	GFL07-3M □□□071C13	124
	3.2	518	1.3	3.9	422	1.6	293.018	GFL06-3M □□□071C13	124
	3.1	528	1.2	3.8	431	1.4	299.200	GFL06-3M □□□071C13	124
	2.8	579	2.2	3.5	472	2.7	327.556	GFL07-3M □□□071C13	124
	2.6	623	2.2	3.2	508	2.7	352.811	GFL07-3M □□□071C13	124
	2.5	649	1.0	3.1	529	1.2	367.200	GFL06-3M □□□071C13	124
	2.3	702	1.8	2.8	573	2.2	397.533	GFL07-3M □□□071C13	124
	2.3	731	0.8	2.7	596	1.0	413.667	GFL06-3M □□□071C13	124
	2.2	760	1.7	2.6	620	2.0	430.222	GFL07-3M □□□071C13	124
	1.8	909	3.0	2.2	742	3.7	514.881	GFL09-3M □□□071C13	124
	1.8	922	1.4	2.2	752	1.7	522.133	GFL07-3M □□□071C13	124
	1.7	979	2.2	2.0	799	2.6	554.470	GFL09-3M □□□071C13	124
	1.7	993	1.1	2.0	810	1.4	562.391	GFL07-3M □□□071C13	124
	1.5	1104	2.1	1.8	900	2.5	624.879	GFL09-3M □□□071C13	124
	1.5	1119	1.1	1.8	913	1.3	633.680	GFL07-3M □□□071C13	124
	1.3	1238	1.7	1.6	1010	2.1	700.875	GFL09-3M □□□071C13	124
	1.3	1270	0.9	1.6	1036	1.1	718.786	GFL07-3M □□□071C13	124
	1.2	1395	1.6	1.4	1138	2.0	789.875	GFL09-3M □□□071C13	124
	1.2	1431	0.9	1.4	1167	1.0	809.900	GFL07-3M □□□071C13	124

# GFL shaft-mounted helical gearboxes

Technical data



## Selection tables

50 Hz, 60 Hz: P<sub>N</sub> = 0.25 kW

n <sub>N</sub>	2710 r/min			3390 r/min			i	GFL Model	Output
	50 Hz			60 Hz					
	n <sub>2</sub> [r/min]	M <sub>2</sub> [Nm]	c	n <sub>2</sub> [r/min]	M <sub>2</sub> [Nm]	c			
	386	6.0	4.0	471	4.8	4.7	7.025	GFL04-2M □□□063C31	108
	169	14	4.0	206	11	4.7	16.087	GFL04-2M □□□063C31	108
	151	15	4.0	185	12	4.7	17.920	GFL04-2M □□□063C31	108
	132	18	3.8	161	14	4.4	20.519	GFL04-2M □□□063C31	108
	119	20	3.8	145	16	4.4	22.857	GFL04-2M □□□063C31	108
	86	27	4.7	105	22	5.4	31.600	GFL04-2M □□□063C31	108
	77	30	4.7	94	24	5.4	35.200	GFL04-2M □□□063C31	108
	67	35	3.9	81	28	4.5	40.697	GFL04-2M □□□063C31	108
	60	39	3.9	73	31	4.5	45.333	GFL04-2M □□□063C31	108
	53	44	3.4	64	35	4.0	51.579	GFL04-2M □□□063C31	108
	47	49	3.3	58	39	3.8	57.455	GFL04-2M □□□063C31	108
	42	55	2.8	51	44	3.2	64.636	GFL04-2M □□□063C31	108
	38	62	2.9	46	49	3.5	72.000	GFL04-2M □□□063C31	108
	32	73	1.4	39	58	1.7	85.156	GFL04-2M □□□063C31	108
	29	81	1.4	35	65	1.7	94.857	GFL04-2M □□□063C31	108
	27	85	3.8	33	68	4.6	101.547	GFL05-3M □□□063C31	124
	24	97	3.4	29	77	4.1	114.952	GFL05-3M □□□063C31	124
	21	109	3.0	26	87	3.6	129.524	GFL05-3M □□□063C31	124
	19	122	4.6	23	97	5.5	144.320	GFL06-3M □□□063C31	124
	17	137	4.5	20	109	5.4	162.583	GFL06-3M □□□063C31	124
	15	149	2.3	19	119	2.8	177.027	GFL05-3M □□□063C31	124
	14	168	2.0	17	134	2.3	199.467	GFL05-3M □□□063C31	124
	12	192	1.8	15	153	2.2	227.989	GFL05-3M □□□063C31	124
	11	216	1.5	13	173	1.8	256.889	GFL05-3M □□□063C31	124
	10	219	2.8	13	175	3.4	260.457	GFL06-3M □□□063C31	124
	9.4	243	1.4	12	194	1.7	288.948	GFL05-3M □□□063C31	124
	9.3	247	2.7	11	197	3.2	293.018	GFL06-3M □□□063C31	124
	9.1	252	2.4	11	201	2.9	299.200	GFL06-3M □□□063C31	124
	8.3	274	1.2	10	219	1.4	325.576	GFL05-3M □□□063C31	124
	7.5	305	1.1	9.1	244	1.4	362.100	GFL05-3M □□□063C31	124
	7.4	309	2.1	9.0	247	2.6	367.200	GFL06-3M □□□063C31	124
	6.6	343	1.0	8.1	275	1.1	408.000	GFL05-3M □□□063C31	124
	6.6	348	1.8	8.0	278	2.1	413.667	GFL06-3M □□□063C31	124
	5.7	400	1.6	7.0	320	2.0	475.200	GFL06-3M □□□063C31	124
	5.7	402	0.9	6.9	321	1.0	477.052	GFL05-3M □□□063C31	124
	5.1	451	1.4	6.2	360	1.6	535.333	GFL06-3M □□□063C31	124
	4.7	486	1.3	5.7	388	1.5	576.720	GFL06-3M □□□063C31	124
	4.2	547	1.1	5.1	437	1.4	649.700	GFL06-3M □□□063C31	124
	3.6	640	0.8	4.5	511	1.0	759.806	GFL06-3M □□□063C31	124

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# GFL shaft-mounted helical gearboxes

Technical data



## Selection tables

50 Hz, 60 Hz:  $P_N = 0.25 \text{ kW}$

$n_N$	1370 r/min			1680 r/min			i	GFL Model	Ratio
	50 Hz			60 Hz					
	$n_2$ [r/min]	$M_2$ [Nm]	c	$n_2$ [r/min]	$M_2$ [Nm]	c			
	374	6.2	4.5	456	5.0	5.4	3.659	GFL04-2M □□□063C42	108
	273	8.5	4.5	333	6.9	5.4	5.018	GFL04-2M □□□063C42	108
	235	9.9	4.5	286	8.0	5.4	5.833	GFL04-2M □□□063C42	108
	214	11	4.5	261	8.8	5.4	6.400	GFL05-2M □□□063C42	108
	195	12	5.2	238	9.7	6.1	7.025	GFL04-2M □□□063C42	108
	164	14	4.5	199	12	5.4	8.379	GFL04-2M □□□063C42	108
	147	16	4.5	179	13	5.4	9.333	GFL04-2M □□□063C42	108
	134	17	5.2	163	14	6.2	10.238	GFL04-2M □□□063C42	108
	119	19	4.5	145	16	5.4	11.491	GFL04-2M □□□063C42	108
	107	22	4.5	131	18	5.4	12.800	GFL04-2M □□□063C42	108
	93	25	5.2	114	20	6.2	14.706	GFL04-2M □□□063C42	108
	86	27	4.5	105	22	5.4	15.904	GFL05-2M □□□063C42	108
	77	30	4.5	93	25	5.4	17.920	GFL05-2M □□□063C42	108
	67	35	4.8	81	28	5.7	20.519	GFL04-2M □□□063C42	108
	60	39	4.3	73	32	5.1	22.857	GFL04-2M □□□063C42	108
	55	42	4.3	66	35	5.3	25.136	GFL04-2M □□□063C42	108
	49	47	3.5	60	39	4.4	28.000	GFL04-2M □□□063C42	108
	43	53	3.5	53	44	4.2	31.600	GFL04-2M □□□063C42	108
	39	60	2.9	47	49	3.5	35.200	GFL04-2M □□□063C42	108
	34	69	2.7	41	56	3.3	40.697	GFL04-2M □□□063C42	108
	30	77	2.2	37	63	2.8	45.333	GFL04-2M □□□063C42	108
	27	87	2.2	32	71	2.7	51.579	GFL04-2M □□□063C42	108
	24	97	1.8	29	79	2.2	57.455	GFL04-2M □□□063C42	108
	23	99	3.2	29	81	4.0	58.667	GFL05-2M □□□063C42	108
	22	103	2.0	27	84	2.5	61.653	GFL05-3M □□□063C42	124
	22	107	2.6	26	87	3.2	63.190	GFL05-2M □□□063C42	108
	21	108	3.2	26	88	3.9	64.080	GFL06-2M □□□063C42	108
	21	109	1.2	26	89	1.5	64.636	GFL04-2M □□□063C42	108
	19	120	2.5	24	98	3.1	71.200	GFL05-2M □□□063C42	108
	19	122	1.2	23	99	1.5	72.000	GFL04-2M □□□063C42	108
	19	122	3.2	23	100	3.9	72.189	GFL06-2M □□□063C42	108
	17	131	1.7	21	107	2.1	78.639	GFL05-3M □□□063C42	124
	17	137	1.4	21	111	1.7	80.763	GFL05-2M □□□063C42	108
	17	137	2.6	21	112	3.2	81.000	GFL06-2M □□□063C42	108
	15	150	2.0	19	122	2.5	90.123	GFL05-3M □□□063C42	124
	15	154	1.4	18	125	1.7	91.000	GFL05-2M □□□063C42	108
	15	154	2.6	18	126	3.2	91.250	GFL06-2M □□□063C42	108
	14	169	1.9	16	138	2.4	101.547	GFL05-3M □□□063C42	124
	12	191	1.7	15	156	2.1	114.952	GFL05-3M □□□063C42	124
	12	194	2.7	14	158	3.3	116.571	GFL06-3M □□□063C42	124

# GFL shaft-mounted helical gearboxes

Technical data



## Selection tables

50 Hz, 60 Hz: P<sub>N</sub> = 0.25 kW

n <sub>N</sub>	1370 r/min			1680 r/min			i	GFL Model	i
	50 Hz			60 Hz					
	n <sub>2</sub> [r/min]	M <sub>2</sub> [Nm]	c	n <sub>2</sub> [r/min]	M <sub>2</sub> [Nm]	c			
	11	216	1.5	13	176	1.9	129.524	GFL05-3M □□□063C42	124
	10	219	2.7	13	178	3.3	131.323	GFL06-3M □□□063C42	124
	9.7	235	1.5	12	191	1.8	140.817	GFL05-3M □□□063C42	124
	9.5	240	2.3	12	196	2.9	144.320	GFL06-3M □□□063C42	124
	8.6	264	1.2	11	215	1.5	158.667	GFL05-3M □□□063C42	124
	8.4	271	2.3	10	221	2.8	162.583	GFL06-3M □□□063C42	124
	7.7	295	1.2	9.4	240	1.4	177.027	GFL05-3M □□□063C42	124
	7.6	299	2.0	9.3	244	2.5	179.520	GFL06-3M □□□063C42	124
	6.9	332	1.0	8.4	271	1.2	199.467	GFL05-3M □□□063C42	124
	6.8	337	1.8	8.3	275	2.2	202.237	GFL06-3M □□□063C42	124
	6.0	380	0.9	7.3	310	1.1	227.989	GFL05-3M □□□063C42	124
	5.9	385	1.6	7.2	314	2.0	231.200	GFL06-3M □□□063C42	124
	5.4	422	3.0	6.6	344	3.7	253.111	GFL07-3M □□□063C42	124
				6.5	349	0.9	256.889	GFL05-3M □□□063C42	124
	5.3	434	1.4	6.4	354	1.7	260.457	GFL06-3M □□□063C42	124
				5.8	392	0.9	288.948	GFL05-3M □□□063C42	124
	4.7	484	2.8	5.7	395	3.5	290.706	GFL07-3M □□□063C42	124
	4.7	488	1.3	5.7	398	1.7	293.018	GFL06-3M □□□063C42	124
	4.6	498	1.2	5.6	406	1.5	299.200	GFL06-3M □□□063C42	124
	4.2	545	2.3	5.1	445	2.8	327.556	GFL07-3M □□□063C42	124
	3.9	588	2.3	4.7	479	2.9	352.811	GFL07-3M □□□063C42	124
	3.9	588	3.2	4.7	479	3.9	353.033	GFL09-3M □□□063C42	124
	3.7	612	1.1	4.6	499	1.3	367.200	GFL06-3M □□□063C42	124
	3.5	662	1.9	4.2	540	2.3	397.533	GFL07-3M □□□063C42	124
	3.4	663	3.2	4.2	540	3.9	397.863	GFL09-3M □□□063C42	124
	3.3	689	0.9	4.0	562	1.1	413.667	GFL06-3M □□□063C42	124
	3.2	716	1.8	3.9	584	2.2	430.222	GFL07-3M □□□063C42	124
	2.9	791	0.8	3.5	645	1.0	475.200	GFL06-3M □□□063C42	124
	2.7	857	3.2	3.2	699	3.9	514.881	GFL09-3M □□□063C42	124
	2.6	870	1.5	3.2	709	1.8	522.133	GFL07-3M □□□063C42	124
				3.1	727	0.8	535.333	GFL06-3M □□□063C42	124
	2.5	923	2.3	3.0	753	2.8	554.470	GFL09-3M □□□063C42	124
	2.4	937	1.2	3.0	764	1.5	562.391	GFL07-3M □□□063C42	124
	2.2	1041	2.2	2.7	849	2.7	624.879	GFL09-3M □□□063C42	124
	2.2	1055	1.2	2.6	861	1.4	633.680	GFL07-3M □□□063C42	124
	2.0	1167	1.8	2.4	952	2.2	700.875	GFL09-3M □□□063C42	124
	1.9	1197	0.9	2.3	976	1.2	718.786	GFL07-3M □□□063C42	124
	1.7	1315	1.7	2.1	1073	2.1	789.875	GFL09-3M □□□063C42	124
	1.7	1349	0.9	2.1	1100	1.1	809.900	GFL07-3M □□□063C42	124

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# GFL shaft-mounted helical gearboxes

Technical data



## Selection tables

50 Hz, 60 Hz: P<sub>N</sub> = 0.25 kW

n <sub>N</sub>	930 r/min			1140 r/min			i	GFL Model	108	
	f <sub>N</sub>	50 Hz			60 Hz					
		n <sub>2</sub> [r/min]	M <sub>2</sub> [Nm]	c	n <sub>2</sub> [r/min]	M <sub>2</sub> [Nm]				c
	254	9.1	3.9	309	7.4	4.7	3.659	GFL04-2M □□□071C33	108	
	185	12	3.9	225	10	4.7	5.018	GFL04-2M □□□071C33	108	
	159	15	3.9	194	12	4.7	5.833	GFL04-2M □□□071C33	108	
	145	16	3.9				6.400	GFL05-2M □□□071C33	108	
				178	13	5.4	6.422	GFL04-2M □□□071C33	108	
	132	17	4.4	161	14	5.4	7.025	GFL04-2M □□□071C33	108	
	111	21	3.9	135	17	4.7	8.379	GFL04-2M □□□071C33	108	
	100	23	3.9	121	19	4.7	9.333	GFL04-2M □□□071C33	108	
	91	25	4.4	110	21	5.4	10.238	GFL04-2M □□□071C33	108	
	81	29	3.9	98	23	4.7	11.491	GFL04-2M □□□071C33	108	
	73	32	3.9	88	26	4.7	12.800	GFL04-2M □□□071C33	108	
	63	37	4.4	77	30	5.4	14.706	GFL04-2M □□□071C33	108	
	59	40	3.9				15.904	GFL05-2M □□□071C33	108	
				71	33	5.4	16.087	GFL04-2M □□□071C33	108	
	52	45	3.7	63	36	4.6	17.920	GFL04-2M □□□071C33	108	
	45	51	3.6	55	42	4.4	20.519	GFL04-2M □□□071C33	108	
	41	57	2.9	49	46	3.6	22.857	GFL04-2M □□□071C33	108	
	37	63	2.9	45	51	3.6	25.136	GFL04-2M □□□071C33	108	
	33	70	2.4	40	57	3.0	28.000	GFL04-2M □□□071C33	108	
	29	79	2.4	36	64	2.9	31.600	GFL04-2M □□□071C33	108	
	26	88	1.9	32	72	2.4	35.200	GFL04-2M □□□071C33	108	
	23	100	3.1	28	82	3.8	40.233	GFL05-2M □□□071C33	108	
	23	101	1.8	28	83	2.3	40.697	GFL04-2M □□□071C33	108	
	21	113	1.5	25	92	1.9	45.333	GFL04-2M □□□071C33	108	
	21	113	2.8	25	92	3.5	45.333	GFL05-2M □□□071C33	108	
	18	128	1.5	22	105	1.8	51.579	GFL04-2M □□□071C33	108	
	18	130	2.4	22	106	2.9	52.067	GFL05-2M □□□071C33	108	
	18	132	3.1	21	107	3.8	52.800	GFL06-2M □□□071C33	108	
	16	143	1.2	20	117	1.5	57.455	GFL04-2M □□□071C33	108	
	16	146	2.2	19	119	2.7	58.667	GFL05-2M □□□071C33	108	
	16	148	3.1	19	121	3.8	59.481	GFL06-2M □□□071C33	108	
	15	151	1.4	18	123	1.7	61.653	GFL05-3M □□□071C33	124	
	15	157	1.8	18	128	2.2	63.190	GFL05-2M □□□071C33	108	
	15	160	2.7	18	130	3.3	64.080	GFL06-2M □□□071C33	108	
	14	161	1.0	18	131	1.2	64.636	GFL04-2M □□□071C33	108	
	14	162	3.1	17	133	3.7	66.213	GFL06-3M □□□071C33	124	
	13	177	1.7	16	145	2.1	71.200	GFL05-2M □□□071C33	108	
	13	179	1.0	16	146	1.2	72.000	GFL04-2M □□□071C33	108	
	13	177	2.8	16	144	3.4	72.000	GFL06-3M □□□071C33	124	
	13	180	2.7	16	147	3.3	72.189	GFL06-2M □□□071C33	108	

# GFL shaft-mounted helical gearboxes

Technical data



## Selection tables

50 Hz, 60 Hz: P<sub>N</sub> = 0.25 kW

n <sub>N</sub>	930 r/min			1140 r/min			i	GFL Model	Efficiency (%)
	50 Hz			60 Hz					
	n <sub>2</sub> [r/min]	M <sub>2</sub> [Nm]	c	n <sub>2</sub> [r/min]	M <sub>2</sub> [Nm]	c			
12	193	1.2	14	157	1.4	78.639	GFL05-3M □□□071C33	124	
12	201	1.1	14	164	1.3	80.763	GFL05-2M □□□071C33	108	
12	202	2.2	14	165	2.6	81.000	GFL06-2M □□□071C33	108	
12	199	2.5	14	162	3.1	81.111	GFL06-3M □□□071C33	124	
11	216	2.3	13	177	2.8	88.200	GFL06-3M □□□071C33	124	
10	221	1.4	13	180	1.7	90.123	GFL05-3M □□□071C33	124	
10	227	1.0	12	185	1.3	91.000	GFL05-2M □□□071C33	108	
10	227	2.1	12	185	2.6	91.250	GFL06-2M □□□071C33	108	
9.4	244	2.3	11	199	2.8	99.361	GFL06-3M □□□071C33	124	
9.2	249	1.3	11	203	1.6	101.547	GFL05-3M □□□071C33	124	
8.1	282	1.2	9.8	230	1.4	114.952	GFL05-3M □□□071C33	124	
8.0	286	1.8	9.7	233	2.3	116.571	GFL06-3M □□□071C33	124	
7.2	318	1.0	8.7	259	1.3	129.524	GFL05-3M □□□071C33	124	
7.1	322	1.8	8.6	263	2.3	131.323	GFL06-3M □□□071C33	124	
6.6	345	1.0	8.0	282	1.2	140.817	GFL05-3M □□□071C33	124	
6.4	354	1.6	7.8	289	1.9	144.320	GFL06-3M □□□071C33	124	
6.3	361	3.2	7.7	295	3.9	147.347	GFL07-3M □□□071C33	124	
5.9	389	0.8	7.1	318	1.0	158.667	GFL05-3M □□□071C33	124	
5.7	399	1.5	7.0	325	1.9	162.583	GFL06-3M □□□071C33	124	
5.6	407	3.1	6.8	332	3.8	166.025	GFL07-3M □□□071C33	124	
5.2	440	1.4	6.3	359	1.7	179.520	GFL06-3M □□□071C33	124	
5.1	450	2.7	6.2	367	3.4	183.285	GFL07-3M □□□071C33	124	
4.6	496	1.2	5.6	405	1.5	202.237	GFL06-3M □□□071C33	124	
4.5	507	2.5	5.5	413	3.0	206.519	GFL07-3M □□□071C33	124	
4.1	551	2.4	5.0	450	3.0	224.636	GFL07-3M □□□071C33	124	
4.0	567	1.1	4.9	463	1.4	231.200	GFL06-3M □□□071C33	124	
3.7	621	2.0	4.5	507	2.5	253.111	GFL07-3M □□□071C33	124	
3.6	639	1.0	4.3	521	1.2	260.457	GFL06-3M □□□071C33	124	
3.2	713	1.9	3.9	582	2.4	290.706	GFL07-3M □□□071C33	124	
3.2	714	3.1	3.9	582	3.8	290.889	GFL09-3M □□□071C33	124	
3.2	719	0.9	3.9	586	1.1	293.018	GFL06-3M □□□071C33	124	
3.1	734	0.8	3.8	599	1.0	299.200	GFL06-3M □□□071C33	124	
2.8	804	1.6	3.5	656	1.9	327.556	GFL07-3M □□□071C33	124	
2.8	804	3.1	3.5	656	3.8	327.827	GFL09-3M □□□071C33	124	
2.6	866	1.6	3.2	706	2.0	352.811	GFL07-3M □□□071C33	124	
2.6	866	2.7	3.2	707	3.3	353.033	GFL09-3M □□□071C33	124	
2.3	975	1.3	2.8	796	1.6	397.533	GFL07-3M □□□071C33	124	
2.3	976	2.7	2.8	796	3.3	397.863	GFL09-3M □□□071C33	124	
2.2	1041	2.6	2.7	849	3.2	424.247	GFL09-3M □□□071C33	124	
2.2	1055	1.2	2.6	861	1.5	430.222	GFL07-3M □□□071C33	124	

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# GFL shaft-mounted helical gearboxes

Technical data



## Selection tables

50 Hz, 60 Hz:  $P_N = 0.25 \text{ kW}$

$n_N$	930 r/min			1140 r/min			i		
	50 Hz			60 Hz					
$f_N$	$n_2$ [r/min]	$M_2$ [Nm]	c	$n_2$ [r/min]	$M_2$ [Nm]	c			
	1.8	1263	2.2	2.2	1030	2.6	514.881	GFL09-3M □□□071C33	124
	1.8	1281	1.0	2.2	1045	1.2	522.133	GFL07-3M □□□071C33	124
	1.7	1360	1.6	2.0	1110	1.9	554.470	GFL09-3M □□□071C33	124
	1.7	1380	0.8	2.0	1126	1.0	562.391	GFL07-3M □□□071C33	124
	1.5	1533	1.5	1.8	1251	1.8	624.879	GFL09-3M □□□071C33	124
	1.3	1719	1.2	1.6	1403	1.5	700.875	GFL09-3M □□□071C33	124
	1.2	1938	1.2	1.4	1581	1.4	789.875	GFL09-3M □□□071C33	124

# GFL shaft-mounted helical gearboxes

Technical data



## Selection tables

50 Hz, 60 Hz:  $P_N = 0.37$  kW

$n_N$	2720 r/min			3360 r/min			i		
	50 Hz			60 Hz					
	$n_2$ [r/min]	$M_2$ [Nm]	c	$n_2$ [r/min]	$M_2$ [Nm]	c			
	133	26	5.8	162	21	6.7	20.519	GFL04-2M □□□071C11	108
	119	29	4.8	145	23	5.5	22.857	GFL04-2M □□□071C11	108
	108	32	5.4	132	26	6.2	25.136	GFL04-2M □□□071C11	108
	97	35	4.4	119	29	5.1	28.000	GFL04-2M □□□071C11	108
	86	40	4.3	105	32	5.0	31.600	GFL04-2M □□□071C11	108
	77	44	3.6	94	36	4.1	35.200	GFL04-2M □□□071C11	108
	67	51	3.4	82	42	3.9	40.697	GFL04-2M □□□071C11	108
	60	57	2.8	73	46	3.2	45.333	GFL04-2M □□□071C11	108
	53	65	2.7	64	53	3.1	51.579	GFL04-2M □□□071C11	108
	47	72	2.2	58	59	2.6	57.455	GFL04-2M □□□071C11	108
	44	77	2.5	54	62	2.9	61.653	GFL05-3M □□□071C11	124
	42	81	1.9	51	66	2.2	64.636	GFL04-2M □□□071C11	108
	38	91	2.0	46	73	2.3	72.000	GFL04-2M □□□071C11	108
	35	98	2.3	42	79	2.7	78.639	GFL05-3M □□□071C11	124
	34	102	2.1	42	82	2.5	80.763	GFL05-2M □□□071C11	108
	30	112	2.7	37	91	3.2	90.123	GFL05-3M □□□071C11	124
	30	115	2.1	37	93	2.5	91.000	GFL05-2M □□□071C11	108
	27	126	2.6	33	102	3.1	101.547	GFL05-3M □□□071C11	124
	24	143	2.3	29	116	2.7	114.952	GFL05-3M □□□071C11	124
	21	161	2.0	26	130	2.4	129.524	GFL05-3M □□□071C11	124
	19	175	2.0	24	142	2.3	140.817	GFL05-3M □□□071C11	124
	19	179	3.1	23	145	3.7	144.320	GFL06-3M □□□071C11	124
	17	197	1.7	21	159	2.0	158.667	GFL05-3M □□□071C11	124
	17	202	3.0	20	163	3.6	162.583	GFL06-3M □□□071C11	124
	15	220	1.6	19	178	1.9	177.027	GFL05-3M □□□071C11	124
	15	223	2.7	19	180	3.2	179.520	GFL06-3M □□□071C11	124
	14	248	1.3	17	200	1.6	199.467	GFL05-3M □□□071C11	124
	13	251	2.4	16	203	2.9	202.237	GFL06-3M □□□071C11	124
	12	283	1.2	15	229	1.4	227.989	GFL05-3M □□□071C11	124
	12	287	2.2	14	232	2.6	231.200	GFL06-3M □□□071C11	124
	11	319	1.0	13	258	1.2	256.889	GFL05-3M □□□071C11	124
	10	323	1.9	13	262	2.3	260.457	GFL06-3M □□□071C11	124
	9.4	359	1.0	12	290	1.1	288.948	GFL05-3M □□□071C11	124
	9.3	364	1.8	11	294	2.1	293.018	GFL06-3M □□□071C11	124
	9.1	371	1.6	11	301	2.0	299.200	GFL06-3M □□□071C11	124
	8.4	404	0.8	10	327	1.0	325.576	GFL05-3M □□□071C11	124
	8.3	407	3.1	10	329	3.7	327.556	GFL07-3M □□□071C11	124
	7.7	438	3.1	9.4	355	3.7	352.811	GFL07-3M □□□071C11	124
	7.4	456	1.4	9.0	369	1.7	367.200	GFL06-3M □□□071C11	124
	6.8	493	2.5	8.4	399	3.0	397.533	GFL07-3M □□□071C11	124

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# GFL shaft-mounted helical gearboxes

Technical data



## Selection tables

50 Hz, 60 Hz:  $P_N = 0.37 \text{ kW}$

$n_N$	2720 r/min			3360 r/min			i		
	50 Hz			60 Hz					
	$n_2$ [r/min]	$M_2$ [Nm]	c	$n_2$ [r/min]	$M_2$ [Nm]	c			
	6.6	514	1.2	8.0	416	1.4	413.667	GFL06-3M □□□071C11	124
	6.3	534	2.4	7.7	432	2.8	430.222	GFL07-3M □□□071C11	124
	5.7	590	1.1	7.0	478	1.3	475.200	GFL06-3M □□□071C11	124
	5.2	648	2.0	6.4	525	2.3	522.133	GFL07-3M □□□071C11	124
	5.1	665	0.9	6.2	538	1.1	535.333	GFL06-3M □□□071C11	124
	4.9	688	3.1	6.0	557	3.7	554.470	GFL09-3M □□□071C11	124
	4.8	698	1.6	5.9	565	1.9	562.391	GFL07-3M □□□071C11	124
	4.7	716	0.9	5.8	580	1.0	576.720	GFL06-3M □□□071C11	124
	4.4	776	2.9	5.3	628	3.5	624.879	GFL09-3M □□□071C11	124
	4.3	787	1.6	5.2	637	1.8	633.680	GFL07-3M □□□071C11	124
	3.9	870	2.4	4.7	704	2.9	700.875	GFL09-3M □□□071C11	124
	3.8	892	1.3	4.6	722	1.5	718.786	GFL07-3M □□□071C11	124
	3.4	981	2.3	4.2	794	2.8	789.875	GFL09-3M □□□071C11	124
	3.4	1005	1.2	4.1	814	1.4	809.900	GFL07-3M □□□071C11	124

# GFL shaft-mounted helical gearboxes

Technical data



## Selection tables

50 Hz, 60 Hz:  $P_N = 0.37 \text{ kW}$

$n_N$	1410 r/min			1720 r/min			i	GFL	108
	50 Hz			60 Hz					
	$n_2$ [r/min]	$M_2$ [Nm]	c	$n_2$ [r/min]	$M_2$ [Nm]	c			
	385	8.9	4.0	467	7.3	4.6	3.659	GFL04-2M □□□071C32	108
	281	12	4.0	341	10	4.6	5.018	GFL04-2M □□□071C32	108
	242	14	4.0	293	12	4.6	5.833	GFL04-2M □□□071C32	108
	220	16	4.0	267	13	4.6	6.400	GFL05-2M □□□071C32	108
				268	13	5.3	6.422	GFL04-2M □□□071C32	108
	201	17	4.5	243	14	5.3	7.025	GFL04-2M □□□071C32	108
	168	20	4.0	204	17	4.6	8.379	GFL04-2M □□□071C32	108
	151	23	4.0	183	19	4.6	9.333	GFL04-2M □□□071C32	108
	138	25	4.5	167	20	5.3	10.238	GFL04-2M □□□071C32	108
	123	28	4.0	149	23	4.6	11.491	GFL04-2M □□□071C32	108
	110	31	4.0	134	26	4.6	12.800	GFL04-2M □□□071C32	108
	96	36	4.5	116	29	5.3	14.706	GFL04-2M □□□071C32	108
	89	39	4.0	108	32	4.6	15.904	GFL05-2M □□□071C32	108
				107	32	5.3	16.087	GFL04-2M □□□071C32	108
	79	44	3.8	95	36	4.5	17.920	GFL04-2M □□□071C32	108
	69	50	3.7	83	41	4.3	20.519	GFL04-2M □□□071C32	108
	62	56	3.0	75	46	3.5	22.857	GFL04-2M □□□071C32	108
	56	61	3.0	68	50	3.7	25.136	GFL04-2M □□□071C32	108
	50	68	2.5	61	56	3.0	28.000	GFL04-2M □□□071C32	108
	45	77	2.4	54	63	2.9	31.600	GFL04-2M □□□071C32	108
	40	86	2.0	49	70	2.4	35.200	GFL04-2M □□□071C32	108
	35	98	3.2	43	80	3.9	40.233	GFL05-2M □□□071C32	108
	35	99	1.9	42	81	2.3	40.697	GFL04-2M □□□071C32	108
	31	110	1.6	38	90	1.9	45.333	GFL04-2M □□□071C32	108
	31	110	2.9	38	90	3.5	45.333	GFL05-2M □□□071C32	108
	27	125	1.5	33	103	1.8	51.579	GFL04-2M □□□071C32	108
	27	127	2.4	33	104	3.0	52.067	GFL05-2M □□□071C32	108
	27	128	3.2	32	105	3.9	52.800	GFL06-2M □□□071C32	108
	25	140	1.2	30	115	1.5	57.455	GFL04-2M □□□071C32	108
	24	143	2.3	29	117	2.8	58.667	GFL05-2M □□□071C32	108
	24	145	3.2	29	119	3.9	59.481	GFL06-2M □□□071C32	108
	23	148	1.4	28	121	1.7	61.653	GFL05-3M □□□071C32	124
	22	154	1.8	27	126	2.2	63.190	GFL05-2M □□□071C32	108
	22	156	2.8	27	128	3.4	64.080	GFL06-2M □□□071C32	108
	22	157	1.0	27	129	1.3	64.636	GFL04-2M □□□071C32	108
	21	159	3.1	26	130	3.8	66.213	GFL06-3M □□□071C32	124
	20	173	1.8	24	142	2.2	71.200	GFL05-2M □□□071C32	108
	20	175	1.0	24	143	1.2	72.000	GFL04-2M □□□071C32	108
	20	172	2.9	24	141	3.5	72.000	GFL06-3M □□□071C32	124
	20	176	2.8	24	144	3.4	72.189	GFL06-2M □□□071C32	108

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# GFL shaft-mounted helical gearboxes

Technical data



## Selection tables

50 Hz, 60 Hz:  $P_N = 0.37 \text{ kW}$

$n_N$	1410 r/min			1720 r/min			i	GFL Model	Efficiency (%)
	50 Hz			60 Hz					
	$n_2$ [r/min]	$M_2$ [Nm]	c	$n_2$ [r/min]	$M_2$ [Nm]	c			
	18	188	1.2	22	154	1.5	78.639	GFL05-3M □□□071C32	124
	17	196	1.1	21	161	1.4	80.763	GFL05-2M □□□071C32	108
	17	197	2.2	21	161	2.7	81.000	GFL06-2M □□□071C32	108
	17	194	2.6	21	159	3.1	81.111	GFL06-3M □□□071C32	124
	16	211	2.3	19	173	2.8	88.200	GFL06-3M □□□071C32	124
	16	216	1.4	19	177	1.7	90.123	GFL05-3M □□□071C32	124
	16	221	1.1	19	181	1.3	91.000	GFL05-2M □□□071C32	108
	16	222	2.1	19	182	2.6	91.250	GFL06-2M □□□071C32	108
	14	238	2.3	17	195	2.8	99.361	GFL06-3M □□□071C32	124
	14	243	1.3	17	199	1.6	101.547	GFL05-3M □□□071C32	124
	12	275	1.2	15	226	1.5	114.952	GFL05-3M □□□071C32	124
	12	279	1.9	15	229	2.3	116.571	GFL06-3M □□□071C32	124
	11	310	1.1	13	254	1.3	129.524	GFL05-3M □□□071C32	124
	11	314	1.9	13	258	2.3	131.323	GFL06-3M □□□071C32	124
	10	337	1.0	12	276	1.2	140.817	GFL05-3M □□□071C32	124
	9.8	346	1.6	12	283	2.0	144.320	GFL06-3M □□□071C32	124
	9.6	353	3.2	12	289	3.9	147.347	GFL07-3M □□□071C32	124
	8.9	380	0.9	11	311	1.1	158.667	GFL05-3M □□□071C32	124
	8.7	389	1.6	11	319	1.9	162.583	GFL06-3M □□□071C32	124
	8.5	398	3.1	10	326	3.8	166.025	GFL07-3M □□□071C32	124
	8.0	424	0.8	9.7	348	1.0	177.027	GFL05-3M □□□071C32	124
	7.9	430	1.4	9.5	352	1.7	179.520	GFL06-3M □□□071C32	124
	7.7	439	2.8	9.3	360	3.4	183.285	GFL07-3M □□□071C32	124
	7.0	484	1.3	8.5	397	1.5	202.237	GFL06-3M □□□071C32	124
	6.8	495	2.5	8.3	405	3.1	206.519	GFL07-3M □□□071C32	124
	6.3	538	2.5	7.6	441	3.0	224.636	GFL07-3M □□□071C32	124
	6.1	554	1.1	7.4	454	1.4	231.200	GFL06-3M □□□071C32	124
	5.6	606	2.1	6.8	497	2.5	253.111	GFL07-3M □□□071C32	124
	5.4	624	1.0	6.6	511	1.2	260.457	GFL06-3M □□□071C32	124
	4.9	696	2.0	5.9	571	2.4	290.706	GFL07-3M □□□071C32	124
	4.9	697	3.2	5.9	571	3.9	290.889	GFL09-3M □□□071C32	124
	4.8	702	0.9	5.8	575	1.1	293.018	GFL06-3M □□□071C32	124
	4.7	717	0.9	5.7	587	1.0	299.200	GFL06-3M □□□071C32	124
	4.3	784	1.6	5.2	643	2.0	327.556	GFL07-3M □□□071C32	124
	4.3	785	3.2	5.2	644	3.9	327.827	GFL09-3M □□□071C32	124
	4.0	845	1.6	4.9	693	2.0	352.811	GFL07-3M □□□071C32	124
	4.0	845	2.8	4.8	693	3.4	353.033	GFL09-3M □□□071C32	124
	3.6	952	1.3	4.3	780	1.6	397.533	GFL07-3M □□□071C32	124
	3.5	953	2.8	4.3	781	3.4	397.863	GFL09-3M □□□071C32	124
	3.3	1016	2.7	4.0	833	3.3	424.247	GFL09-3M □□□071C32	124

# GFL shaft-mounted helical gearboxes

Technical data



## Selection tables

50 Hz, 60 Hz:  $P_N = 0.37 \text{ kW}$

$n_N$	1410 r/min			1720 r/min			i		
	50 Hz			60 Hz					
	$n_2$ [r/min]	$M_2$ [Nm]	c	$n_2$ [r/min]	$M_2$ [Nm]	c			
	3.3	1030	1.2	4.0	845	1.5	430.222	GFL07-3M □□□071C32	124
	2.7	1233	2.2	3.3	1011	2.7	514.881	GFL09-3M □□□071C32	124
	2.7	1250	1.0	3.3	1025	1.2	522.133	GFL07-3M □□□071C32	124
	2.5	1328	1.6	3.1	1089	1.9	554.470	GFL09-3M □□□071C32	124
	2.5	1347	0.8	3.0	1104	1.0	562.391	GFL07-3M □□□071C32	124
	2.3	1496	1.5	2.7	1227	1.9	624.879	GFL09-3M □□□071C32	124
	2.2	1518	0.8	2.7	1244	1.0	633.680	GFL07-3M □□□071C32	124
	2.0	1678	1.3	2.4	1376	1.5	700.875	GFL09-3M □□□071C32	124
	1.8	1892	1.2	2.2	1551	1.5	789.875	GFL09-3M □□□071C32	124

# GFL shaft-mounted helical gearboxes

Technical data



## Selection tables

50 Hz, 60 Hz: P<sub>N</sub> = 0.37 kW

n <sub>N</sub>	950 r/min			1160 r/min			i	GFL Model	Output
	50 Hz			60 Hz					
	n <sub>2</sub> [r/min]	M <sub>2</sub> [Nm]	c	n <sub>2</sub> [r/min]	M <sub>2</sub> [Nm]	c			
260	13	5.7	314	11	6.9	3.659	GFL04-2M □□□080C13	108	
189	18	5.7	229	15	6.9	5.018	GFL04-2M □□□080C13	108	
163	21	5.7	197	17	6.9	5.833	GFL04-2M □□□080C13	108	
148	23	4.9	179	19	5.9	6.422	GFL04-2M □□□080C13	108	
135	25	4.5	164	21	5.4	7.025	GFL04-2M □□□080C13	108	
113	30	5.7	137	25	6.9	8.379	GFL04-2M □□□080C13	108	
102	34	4.9	123	28	6.0	9.333	GFL04-2M □□□080C13	108	
93	37	4.3	112	30	5.3	10.238	GFL04-2M □□□080C13	108	
83	41	4.4	100	34	5.3	11.491	GFL04-2M □□□080C13	108	
74	46	3.6	90	38	4.4	12.800	GFL04-2M □□□080C13	108	
65	53	3.4	78	43	4.2	14.706	GFL04-2M □□□080C13	108	
59	58	3.1	72	48	3.8	16.087	GFL04-2M □□□080C13	108	
53	65	2.6	64	53	3.2	17.920	GFL04-2M □□□080C13	108	
46	74	2.5	56	61	3.0	20.519	GFL04-2M □□□080C13	108	
42	82	2.0	50	68	2.5	22.857	GFL04-2M □□□080C13	108	
38	91	2.0	46	74	2.5	25.136	GFL04-2M □□□080C13	108	
34	101	1.7	41	83	2.0	28.000	GFL04-2M □□□080C13	108	
34	101	3.1	41	83	3.8	28.000	GFL05-2M □□□080C13	108	
30	114	1.6	36	93	2.0	31.600	GFL04-2M □□□080C13	108	
29	117	3.0	36	96	3.6	32.344	GFL05-2M □□□080C13	108	
27	127	1.3	33	104	1.6	35.200	GFL04-2M □□□080C13	108	
26	132	2.4	32	108	2.9	36.444	GFL05-2M □□□080C13	108	
24	145	2.4	29	119	2.9	40.233	GFL05-2M □□□080C13	108	
23	147	1.3	28	120	1.6	40.697	GFL04-2M □□□080C13	108	
21	164	1.1	25	134	1.3	45.333	GFL04-2M □□□080C13	108	
21	164	2.0	25	134	2.4	45.333	GFL05-2M □□□080C13	108	
18	188	1.6	22	154	2.0	52.067	GFL05-2M □□□080C13	108	
16	212	1.5	20	173	1.9	58.667	GFL05-2M □□□080C13	108	
16	215	2.9	19	176	3.5	59.481	GFL06-2M □□□080C13	108	
15	219	0.9	19	179	1.2	61.653	GFL05-3M □□□080C13	124	
15	228	1.2	18	187	1.5	63.190	GFL05-2M □□□080C13	108	
15	231	2.5	18	189	3.0	64.080	GFL06-2M □□□080C13	108	
14	235	2.1	17	193	2.6	66.213	GFL06-3M □□□080C13	124	
13	257	1.2	16	210	1.5	71.200	GFL05-2M □□□080C13	108	
13	256	1.9	16	210	2.4	72.000	GFL06-3M □□□080C13	124	
13	260	2.4	16	213	2.9	72.189	GFL06-2M □□□080C13	108	
12	280	0.8	15	229	1.0	78.639	GFL05-3M □□□080C13	124	
12	288	2.8	14	236	3.4	79.875	GFL07-2M □□□080C13	108	
12	292	1.5	14	239	1.8	81.000	GFL06-2M □□□080C13	108	
12	288	1.7	14	236	2.1	81.111	GFL06-3M □□□080C13	124	

# GFL shaft-mounted helical gearboxes

Technical data



## Selection tables

50 Hz, 60 Hz:  $P_N = 0.37 \text{ kW}$

$n_N$	950 r/min			1160 r/min			i	GFL Model	124
	50 Hz			60 Hz					
	$n_2$ [r/min]	$M_2$ [Nm]	c	$n_2$ [r/min]	$M_2$ [Nm]	c			
	11	313	1.6	13	257	1.9	88.200	GFL06-3M □□□080C13	124
	11	325	2.8	13	266	3.4	90.000	GFL07-2M □□□080C13	108
	11	320	0.9	13	262	1.2	90.123	GFL05-3M □□□080C13	124
	10	329	1.4	13	270	1.8	91.250	GFL06-2M □□□080C13	108
	10	328	2.9	12	269	3.6	92.413	GFL07-3M □□□080C13	124
	9.6	353	1.6	12	289	1.9	99.361	GFL06-3M □□□080C13	124
	9.4	361	0.9	11	296	1.1	101.547	GFL05-3M □□□080C13	124
	9.1	370	2.9	11	303	3.6	104.127	GFL07-3M □□□080C13	124
	8.4	402	2.6	10	330	3.2	113.206	GFL07-3M □□□080C13	124
	8.3	409	0.8	10	335	1.0	114.952	GFL05-3M □□□080C13	124
	8.2	414	1.3	9.9	339	1.6	116.571	GFL06-3M □□□080C13	124
	7.5	453	2.6	9.0	371	3.2	127.556	GFL07-3M □□□080C13	124
	7.2	467	1.3	8.8	382	1.6	131.323	GFL06-3M □□□080C13	124
	6.6	513	1.1	8.0	420	1.3	144.320	GFL06-3M □□□080C13	124
	6.5	524	2.2	7.8	429	2.7	147.347	GFL07-3M □□□080C13	124
	5.8	578	1.1	7.1	473	1.3	162.583	GFL06-3M □□□080C13	124
	5.7	590	2.1	6.9	483	2.6	166.025	GFL07-3M □□□080C13	124
	5.3	638	0.9	6.4	523	1.2	179.520	GFL06-3M □□□080C13	124
	5.2	651	1.9	6.3	534	2.3	183.285	GFL07-3M □□□080C13	124
	4.7	719	0.8	5.7	589	1.0	202.237	GFL06-3M □□□080C13	124
	4.6	734	1.7	5.6	601	2.1	206.519	GFL07-3M □□□080C13	124
	4.2	798	1.7	5.1	654	2.1	224.636	GFL07-3M □□□080C13	124
	4.2	799	3.0	5.1	654	3.7	224.778	GFL09-3M □□□080C13	124
	3.8	900	1.4	4.5	737	1.7	253.111	GFL07-3M □□□080C13	124
	3.8	900	3.0	4.5	737	3.7	253.321	GFL09-3M □□□080C13	124
	3.3	1033	1.3	4.0	846	1.6	290.706	GFL07-3M □□□080C13	124
	3.3	1034	2.6	4.0	847	3.1	290.889	GFL09-3M □□□080C13	124
	2.9	1164	1.1	3.5	953	1.3	327.556	GFL07-3M □□□080C13	124
	2.9	1165	2.6	3.5	954	3.1	327.827	GFL09-3M □□□080C13	124
	2.7	1254	1.1	3.3	1027	1.3	352.811	GFL07-3M □□□080C13	124
	2.7	1255	2.2	3.3	1028	2.7	353.033	GFL09-3M □□□080C13	124
	2.4	1413	0.9	2.9	1157	1.1	397.533	GFL07-3M □□□080C13	124
	2.4	1414	2.2	2.9	1158	2.7	397.863	GFL09-3M □□□080C13	124
	2.2	1508	1.8	2.7	1235	2.2	424.247	GFL09-3M □□□080C13	124
	2.2	1529	0.8	2.7	1252	1.0	430.222	GFL07-3M □□□080C13	124
	1.9	1830	1.5	2.2	1499	1.8	514.881	GFL09-3M □□□080C13	124
	1.8	1856	3.2	2.2	1520	3.9	522.133	GFL11-3M □□□080C13	124
	1.7	1971	1.1	2.1	1614	1.3	554.470	GFL09-3M □□□080C13	124
	1.7	1999	2.7	2.0	1637	3.2	562.391	GFL11-3M □□□080C13	124
	1.5	2221	1.0	1.8	1819	1.2	624.879	GFL09-3M □□□080C13	124

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# GFL shaft-mounted helical gearboxes

Technical data



## Selection tables

50 Hz, 60 Hz:  $P_N = 0.37 \text{ kW}$

$n_N$	950 r/min			1160 r/min			i		
	50 Hz			60 Hz					
$f_N$	$n_2$ [r/min]	$M_2$ [Nm]	c	$n_2$ [r/min]	$M_2$ [Nm]	c			
	1.5	2252	2.6	1.8	1845	3.2	633.680	GFL11-3M □□□080C13	124
	1.4	2491	0.8	1.6	2040	1.0	700.875	GFL09-3M □□□080C13	124
	1.3	2527	2.1	1.6	2069	2.6	710.888	GFL11-3M □□□080C13	124
	1.2	2807	0.8	1.5	2299	1.0	789.875	GFL09-3M □□□080C13	124
	1.2	2847	2.1	1.4	2332	2.5	801.000	GFL11-3M □□□080C13	124

# GFL shaft-mounted helical gearboxes

Technical data



## Selection tables

50 Hz, 60 Hz: P<sub>N</sub> = 0.55 kW

n <sub>N</sub>	2630 r/min			3240 r/min			i		
	50 Hz			60 Hz					
	n <sub>2</sub> [r/min]	M <sub>2</sub> [Nm]	c	n <sub>2</sub> [r/min]	M <sub>2</sub> [Nm]	c			
	719	7.1	4.1	883	5.8	4.7	3.659	GFL04-2M □□□071C31	108
	524	9.7	4.1	644	7.9	4.7	5.018	GFL04-2M □□□071C31	108
	451	11	4.1	554	9.2	4.7	5.833	GFL04-2M □□□071C31	108
	411	12	4.1				6.400	GFL05-2M □□□071C31	108
				505	10	5.4	6.422	GFL04-2M □□□071C31	108
	374	14	4.7	460	11	5.4	7.025	GFL04-2M □□□071C31	108
	314	16	4.1	386	13	4.7	8.379	GFL04-2M □□□071C31	108
	282	18	4.1	346	15	4.7	9.333	GFL04-2M □□□071C31	108
	257	20	4.7	316	16	5.4	10.238	GFL04-2M □□□071C31	108
	229	22	4.1	281	18	4.7	11.491	GFL04-2M □□□071C31	108
	206	25	4.1	252	20	4.7	12.800	GFL04-2M □□□071C31	108
	179	28	4.7	220	23	5.4	14.706	GFL04-2M □□□071C31	108
	165	31	4.1				15.904	GFL05-2M □□□071C31	108
				201	25	5.4	16.087	GFL04-2M □□□071C31	108
	147	35	4.0	180	28	4.6	17.920	GFL04-2M □□□071C31	108
	128	40	3.8	157	32	4.4	20.519	GFL04-2M □□□071C31	108
	115	44	3.1	141	36	3.6	22.857	GFL04-2M □□□071C31	108
	105	49	3.5	129	40	4.1	25.136	GFL04-2M □□□071C31	108
	94	54	2.9	115	44	3.4	28.000	GFL04-2M □□□071C31	108
	83	61	2.8	102	50	3.3	31.600	GFL04-2M □□□071C31	108
	75	68	2.3	92	55	2.7	35.200	GFL04-2M □□□071C31	108
	65	79	2.2	79	64	2.6	40.697	GFL04-2M □□□071C31	108
	58	88	1.8	71	71	2.1	45.333	GFL04-2M □□□071C31	108
	51	100	1.8	63	81	2.1	51.579	GFL04-2M □□□071C31	108
	51	101	2.9	62	82	3.3	52.067	GFL05-2M □□□071C31	108
	46	111	1.5	56	90	1.7	57.455	GFL04-2M □□□071C31	108
	45	114	2.7	55	92	3.1	58.667	GFL05-2M □□□071C31	108
	43	118	1.7	52	96	1.9	61.653	GFL05-3M □□□071C31	124
	42	122	2.2	51	99	2.5	63.190	GFL05-2M □□□071C31	108
	41	125	1.2	50	102	1.4	64.636	GFL04-2M □□□071C31	108
	37	138	2.2	45	112	2.7	71.200	GFL05-2M □□□071C31	108
	37	140	1.3	45	113	1.5	72.000	GFL04-2M □□□071C31	108
	33	150	1.5	41	122	1.8	78.639	GFL05-3M □□□071C31	124
	33	156	1.4	40	127	1.7	80.763	GFL05-2M □□□071C31	108
	33	157	2.8	40	127	3.3	81.000	GFL06-2M □□□071C31	108
	32	155	3.2	40	126	3.9	81.111	GFL06-3M □□□071C31	124
	30	168	2.9	37	137	3.5	88.200	GFL06-3M □□□071C31	124
	29	172	1.8	36	140	2.1	90.123	GFL05-3M □□□071C31	124
	29	176	1.3	36	143	1.6	91.000	GFL05-2M □□□071C31	108
	29	177	2.7	35	144	3.2	91.250	GFL06-2M □□□071C31	108

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# GFL shaft-mounted helical gearboxes

Technical data



## Selection tables

50 Hz, 60 Hz: P<sub>N</sub> = 0.55 kW

n <sub>N</sub>	2630 r/min			3240 r/min			i		
	50 Hz			60 Hz					
	f <sub>N</sub>	n <sub>2</sub> [r/min]	M <sub>2</sub> [Nm]	c	n <sub>2</sub> [r/min]	M <sub>2</sub> [Nm]			
	27	190	2.9	33	154	3.5	99.361	GFL06-3M □□□071C31	124
	26	194	1.7	32	157	2.0	101.547	GFL05-3M □□□071C31	124
	23	219	1.5	28	178	1.8	114.952	GFL05-3M □□□071C31	124
	23	222	2.4	28	181	2.9	116.571	GFL06-3M □□□071C31	124
	20	247	1.3	25	201	1.6	129.524	GFL05-3M □□□071C31	124
	20	251	2.4	25	203	2.9	131.323	GFL06-3M □□□071C31	124
	19	269	1.3	23	218	1.5	140.817	GFL05-3M □□□071C31	124
	18	275	2.0	22	224	2.4	144.320	GFL06-3M □□□071C31	124
	17	303	1.1	20	246	1.3	158.667	GFL05-3M □□□071C31	124
	16	310	2.0	20	252	2.4	162.583	GFL06-3M □□□071C31	124
	15	338	1.0	18	274	1.2	177.027	GFL05-3M □□□071C31	124
	15	343	1.8	18	278	2.1	179.520	GFL06-3M □□□071C31	124
	13	381	0.9	16	309	1.0	199.467	GFL05-3M □□□071C31	124
	13	386	1.6	16	313	1.9	202.237	GFL06-3M □□□071C31	124
	13	394	3.2	16	320	3.8	206.519	GFL07-3M □□□071C31	124
	12	429	3.1	14	348	3.8	224.636	GFL07-3M □□□071C31	124
	11	441	1.4	14	358	1.7	231.200	GFL06-3M □□□071C31	124
	10	483	2.6	13	392	3.1	253.111	GFL07-3M □□□071C31	124
	10	497	1.2	12	403	1.5	260.457	GFL06-3M □□□071C31	124
	9.1	555	2.5	11	450	3.0	290.706	GFL07-3M □□□071C31	124
	9.0	559	1.2	11	454	1.4	293.018	GFL06-3M □□□071C31	124
	8.8	571	1.1	11	464	1.3	299.200	GFL06-3M □□□071C31	124
	8.0	625	2.0	9.9	507	2.4	327.556	GFL07-3M □□□071C31	124
	7.5	673	2.0	9.2	547	2.5	352.811	GFL07-3M □□□071C31	124
	7.2	701	0.9	8.8	569	1.1	367.200	GFL06-3M □□□071C31	124
	6.6	759	1.7	8.1	616	2.0	397.533	GFL07-3M □□□071C31	124
	6.1	821	1.5	7.5	666	1.9	430.222	GFL07-3M □□□071C31	124
	5.1	983	2.8	6.3	798	3.3	514.881	GFL09-3M □□□071C31	124
	5.0	996	1.3	6.2	809	1.5	522.133	GFL07-3M □□□071C31	124
	4.7	1058	2.0	5.8	859	2.4	554.470	GFL09-3M □□□071C31	124
	4.7	1073	1.1	5.7	871	1.3	562.391	GFL07-3M □□□071C31	124
	4.2	1193	1.9	5.2	968	2.3	624.879	GFL09-3M □□□071C31	124
	4.2	1209	1.0	5.1	982	1.2	633.680	GFL07-3M □□□071C31	124
	3.8	1338	1.6	4.6	1086	1.9	700.875	GFL09-3M □□□071C31	124
	3.7	1372	0.8	4.5	1114	1.0	718.786	GFL07-3M □□□071C31	124
	3.3	1507	1.5	4.1	1224	1.8	789.875	GFL09-3M □□□071C31	124

# GFL shaft-mounted helical gearboxes

Technical data



## Selection tables

50 Hz, 60 Hz: P<sub>N</sub> = 0.55 kW

n <sub>N</sub>	1405 r/min			1720 r/min			i	GFL Model	108
	50 Hz			60 Hz					
	n <sub>2</sub> [r/min]	M <sub>2</sub> [Nm]	c	n <sub>2</sub> [r/min]	M <sub>2</sub> [Nm]	c			
	384	13	4.5	466	11	5.3	3.659	GFL04-2M □□□071C42	108
	280	18	4.5	340	15	5.3	5.018	GFL04-2M □□□071C42	108
	241	21	4.5	292	17	5.3	5.833	GFL04-2M □□□071C42	108
	219	23	4.2	266	19	4.9	6.422	GFL04-2M □□□071C42	108
	200	25	4.2	243	21	4.9	7.025	GFL04-2M □□□071C42	108
	168	30	4.5	204	25	5.3	8.379	GFL04-2M □□□071C42	108
	156	33	4.5	189	27	5.3	9.010	GFL05-2M □□□071C42	108
				184	28	5.3	9.333	GFL04-2M □□□071C42	108
	137	37	4.2	167	30	4.9	10.238	GFL04-2M □□□071C42	108
	122	42	4.3	148	34	5.1	11.491	GFL04-2M □□□071C42	108
	110	46	3.6	133	38	4.2	12.800	GFL04-2M □□□071C42	108
	96	53	3.4	116	44	4.0	14.706	GFL04-2M □□□071C42	108
	87	58	3.1	106	48	3.6	16.087	GFL04-2M □□□071C42	108
	78	65	2.6	95	53	3.0	17.920	GFL04-2M □□□071C42	108
	69	74	2.5	83	61	2.9	20.519	GFL04-2M □□□071C42	108
	62	83	2.0	75	68	2.4	22.857	GFL04-2M □□□071C42	108
	56	91	2.0	68	74	2.5	25.136	GFL04-2M □□□071C42	108
	50	102	1.7	61	83	2.0	28.000	GFL04-2M □□□071C42	108
	50	102	3.1	61	83	3.8	28.000	GFL05-2M □□□071C42	108
	45	115	1.6	54	94	2.0	31.600	GFL04-2M □□□071C42	108
	43	117	2.9	53	96	3.6	32.344	GFL05-2M □□□071C42	108
	40	128	1.3	48	104	1.6	35.200	GFL04-2M □□□071C42	108
	39	132	2.4	47	108	2.9	36.444	GFL05-2M □□□071C42	108
	35	146	2.4	42	119	2.9	40.233	GFL05-2M □□□071C42	108
	35	148	1.3	42	121	1.6	40.697	GFL04-2M □□□071C42	108
	34	148	3.2	42	121	3.9	40.800	GFL06-2M □□□071C42	108
	31	164	1.0	38	134	1.3	45.333	GFL04-2M □□□071C42	108
	31	164	1.9	38	134	2.4	45.333	GFL05-2M □□□071C42	108
	31	167	3.2	37	136	3.9	45.963	GFL06-2M □□□071C42	108
	27	189	1.6	33	154	2.0	52.067	GFL05-2M □□□071C42	108
	27	191	2.9	32	156	3.5	52.800	GFL06-2M □□□071C42	108
	24	213	1.5	29	174	1.9	58.667	GFL05-2M □□□071C42	108
	24	216	2.9	29	176	3.5	59.481	GFL06-2M □□□071C42	108
	23	220	0.9	28	180	1.2	61.653	GFL05-3M □□□071C42	124
	22	229	1.2	27	187	1.5	63.190	GFL05-2M □□□071C42	108
	22	232	2.4	27	190	2.9	64.080	GFL06-2M □□□071C42	108
	21	237	2.1	26	193	2.6	66.213	GFL06-3M □□□071C42	124
	20	258	1.2	24	211	1.4	71.200	GFL05-2M □□□071C42	108
	20	257	1.9	24	210	2.4	72.000	GFL06-3M □□□071C42	124
	20	262	2.4	24	214	2.9	72.189	GFL06-2M □□□071C42	108

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# GFL shaft-mounted helical gearboxes

Technical data



## Selection tables

50 Hz, 60 Hz:  $P_N = 0.55 \text{ kW}$

$n_N$	1405 r/min			1720 r/min			i	GFL Model	Efficiency (%)
	50 Hz			60 Hz					
	$n_2$ [r/min]	$M_2$ [Nm]	c	$n_2$ [r/min]	$M_2$ [Nm]	c			
	18	281	0.8	22	229	1.0	78.639	GFL05-3M □□□071C42	124
	17	294	1.4	21	240	1.7	81.000	GFL06-2M □□□071C42	108
	17	290	1.7	21	237	2.1	81.111	GFL06-3M □□□071C42	124
	16	315	1.5	19	257	1.9	88.200	GFL06-3M □□□071C42	124
	16	322	0.9	19	263	1.2	90.123	GFL05-3M □□□071C42	124
	15	331	1.4	19	270	1.7	91.250	GFL06-2M □□□071C42	108
	15	330	2.9	18	270	3.6	92.413	GFL07-3M □□□071C42	124
	14	355	1.5	17	290	1.9	99.361	GFL06-3M □□□071C42	124
	14	363	0.9	17	296	1.1	101.547	GFL05-3M □□□071C42	124
	14	372	2.9	16	304	3.6	104.127	GFL07-3M □□□071C42	124
	12	404	2.6	15	330	3.1	113.206	GFL07-3M □□□071C42	124
	12	411	0.8	15	335	1.0	114.952	GFL05-3M □□□071C42	124
	12	416	1.3	15	340	1.6	116.571	GFL06-3M □□□071C42	124
	11	456	2.6	13	372	3.1	127.556	GFL07-3M □□□071C42	124
	11	469	1.3	13	383	1.6	131.323	GFL06-3M □□□071C42	124
	9.7	516	1.1	12	421	1.3	144.320	GFL06-3M □□□071C42	124
	9.5	526	2.2	12	430	2.7	147.347	GFL07-3M □□□071C42	124
	8.6	581	1.1	11	474	1.3	162.583	GFL06-3M □□□071C42	124
	8.5	593	2.1	10	484	2.6	166.025	GFL07-3M □□□071C42	124
	7.8	641	0.9	9.5	524	1.2	179.520	GFL06-3M □□□071C42	124
	7.7	655	1.9	9.3	535	2.3	183.285	GFL07-3M □□□071C42	124
	7.6	661	3.2	9.2	540	3.9	185.111	GFL09-3M □□□071C42	124
	7.0	722	0.8	8.4	590	1.0	202.237	GFL06-3M □□□071C42	124
	6.8	738	1.7	8.3	603	2.1	206.519	GFL07-3M □□□071C42	124
	6.7	745	3.2	8.2	609	3.9	208.617	GFL09-3M □□□071C42	124
	6.3	803	1.7	7.6	656	2.0	224.636	GFL07-3M □□□071C42	124
	6.3	803	3.0	7.6	656	3.7	224.778	GFL09-3M □□□071C42	124
	5.6	904	1.4	6.7	739	1.7	253.111	GFL07-3M □□□071C42	124
	5.6	905	3.0	6.7	739	3.7	253.321	GFL09-3M □□□071C42	124
	4.8	1039	1.3	5.9	848	1.6	290.706	GFL07-3M □□□071C42	124
	4.8	1039	2.5	5.9	849	3.1	290.889	GFL09-3M □□□071C42	124
	4.3	1170	1.1	5.2	956	1.3	327.556	GFL07-3M □□□071C42	124
	4.3	1171	2.5	5.2	957	3.1	327.827	GFL09-3M □□□071C42	124
	4.0	1260	1.1	4.8	1030	1.3	352.811	GFL07-3M □□□071C42	124
	4.0	1261	2.2	4.8	1030	2.7	353.033	GFL09-3M □□□071C42	124
	3.5	1420	0.9	4.3	1160	1.1	397.533	GFL07-3M □□□071C42	124
	3.5	1421	2.2	4.3	1161	2.7	397.863	GFL09-3M □□□071C42	124
	3.3	1516	1.8	4.0	1238	2.2	424.247	GFL09-3M □□□071C42	124
	3.3	1537	0.8	4.0	1255	1.0	430.222	GFL07-3M □□□071C42	124
	2.7	1839	1.5	3.3	1503	1.8	514.881	GFL09-3M □□□071C42	124

# GFL shaft-mounted helical gearboxes

Technical data



## Selection tables

50 Hz, 60 Hz:  $P_N = 0.55 \text{ kW}$

$n_N$	1405 r/min			1720 r/min			i		
	50 Hz			60 Hz					
$f_N$	$n_2$ [r/min]	$M_2$ [Nm]	c	$n_2$ [r/min]	$M_2$ [Nm]	c			
	2.5	1981	1.1	3.1	1618	1.3	554.470	GFL09-3M □□□071C42	124
	2.3	2232	1.0	2.7	1824	1.2	624.879	GFL09-3M □□□071C42	124
	2.0	2504	0.8	2.4	2045	1.0	700.875	GFL09-3M □□□071C42	124
	1.8	2822	0.8	2.2	2305	1.0	789.875	GFL09-3M □□□071C42	124

# GFL shaft-mounted helical gearboxes

Technical data



## Selection tables

50 Hz, 60 Hz:  $P_N = 0.55 \text{ kW}$

$n_N$	930 r/min			1140 r/min			i	GFL	108
	50 Hz			60 Hz					
	$n_2$ [r/min]	$M_2$ [Nm]	c	$n_2$ [r/min]	$M_2$ [Nm]	c			
	254	20	3.7	309	16	4.6	3.659	GFL04-2M □□□080C33	108
	185	27	3.7	225	22	4.6	5.018	GFL04-2M □□□080C33	108
	159	32	3.7	194	26	4.6	5.833	GFL04-2M □□□080C33	108
	145	35	3.2	176	29	3.9	6.422	GFL04-2M □□□080C33	108
	132	38	2.9	161	31	3.6	7.025	GFL04-2M □□□080C33	108
	111	46	3.7	135	37	4.6	8.379	GFL04-2M □□□080C33	108
	100	51	3.2	121	42	4.0	9.333	GFL04-2M □□□080C33	108
	91	56	2.8	110	46	3.5	10.238	GFL04-2M □□□080C33	108
	81	63	2.9	98	51	3.5	11.491	GFL04-2M □□□080C33	108
	73	70	2.4	88	57	2.9	12.800	GFL04-2M □□□080C33	108
	63	81	2.3	77	66	2.8	14.706	GFL04-2M □□□080C33	108
	58	88	2.1	70	72	2.5	16.087	GFL04-2M □□□080C33	108
	52	98	1.7	63	80	2.1	17.920	GFL04-2M □□□080C33	108
	52	98	3.2	63	80	3.9	17.920	GFL05-2M □□□080C33	108
	46	111	3.0	56	91	3.7	20.286	GFL05-2M □□□080C33	108
	45	112	1.6	55	92	2.0	20.519	GFL04-2M □□□080C33	108
	41	125	1.3	49	102	1.6	22.857	GFL04-2M □□□080C33	108
	41	125	2.5	49	102	3.1	22.857	GFL05-2M □□□080C33	108
	37	136	2.5	46	111	3.1	24.850	GFL05-2M □□□080C33	108
	37	138	1.3	45	112	1.6	25.136	GFL04-2M □□□080C33	108
	33	153	1.1	40	125	1.3	28.000	GFL04-2M □□□080C33	108
	33	153	2.0	40	125	2.5	28.000	GFL05-2M □□□080C33	108
	29	173	1.1	36	141	1.3	31.600	GFL04-2M □□□080C33	108
	29	177	1.9	35	145	2.4	32.344	GFL05-2M □□□080C33	108
	28	180	3.1	35	147	3.8	32.800	GFL06-2M □□□080C33	108
	26	193	0.9	32	157	1.1	35.200	GFL04-2M □□□080C33	108
	26	200	1.6	31	163	1.9	36.444	GFL05-2M □□□080C33	108
	25	202	3.0	31	165	3.7	36.951	GFL06-2M □□□080C33	108
	23	220	1.6	28	180	1.9	40.233	GFL05-2M □□□080C33	108
	23	223	0.8	28	182	1.0	40.697	GFL04-2M □□□080C33	108
	23	224	2.6	28	182	3.2	40.800	GFL06-2M □□□080C33	108
	21	248	1.3	25	203	1.6	45.333	GFL05-2M □□□080C33	108
	20	252	2.4	25	205	3.0	45.963	GFL06-2M □□□080C33	108
	18	285	1.1	22	233	1.3	52.067	GFL05-2M □□□080C33	108
	18	285	2.6	22	233	3.2	52.067	GFL07-2M □□□080C33	108
	18	289	2.3	21	236	2.8	52.800	GFL06-2M □□□080C33	108
	16	321	1.0	19	262	1.2	58.667	GFL05-2M □□□080C33	108
	16	321	2.6	19	262	3.2	58.667	GFL07-2M □□□080C33	108
	16	326	1.9	19	266	2.3	59.481	GFL06-2M □□□080C33	108
	15	346	0.8	18	282	1.0	63.190	GFL05-2M □□□080C33	108

# GFL shaft-mounted helical gearboxes

Technical data



## Selection tables

50 Hz, 60 Hz: P<sub>N</sub> = 0.55 kW

n <sub>N</sub>	930 r/min			1140 r/min			i	GFL Model	Output
	50 Hz			60 Hz					
	n <sub>2</sub> [r/min]	M <sub>2</sub> [Nm]	c	n <sub>2</sub> [r/min]	M <sub>2</sub> [Nm]	c			
15	346	2.3	18	282	2.8	63.190	GFL07-2M □□□080C33	108	
15	351	1.6	18	286	2.0	64.080	GFL06-2M □□□080C33	108	
14	352	2.5	17	288	3.1	65.306	GFL07-3M □□□080C33	124	
14	357	1.4	17	292	1.7	66.213	GFL06-3M □□□080C33	124	
13	390	2.3	16	318	2.8	71.200	GFL07-2M □□□080C33	108	
13	389	1.3	16	317	1.6	72.000	GFL06-3M □□□080C33	124	
13	396	1.6	16	323	1.9	72.189	GFL06-2M □□□080C33	108	
13	391	2.2	16	319	2.7	72.452	GFL07-3M □□□080C33	124	
12	438	1.8	14	357	2.2	79.875	GFL07-2M □□□080C33	108	
12	444	1.0	14	362	1.2	81.000	GFL06-2M □□□080C33	108	
12	438	1.1	14	357	1.4	81.111	GFL06-3M □□□080C33	124	
11	441	2.2	14	359	2.7	81.636	GFL07-3M □□□080C33	124	
11	476	1.0	13	388	1.3	88.200	GFL06-3M □□□080C33	124	
10	493	1.8	13	402	2.2	90.000	GFL07-2M □□□080C33	108	
10	500	1.0	12	408	1.2	91.250	GFL06-2M □□□080C33	108	
10	499	1.9	12	407	2.4	92.413	GFL07-3M □□□080C33	124	
9.4	536	1.0	11	437	1.3	99.361	GFL06-3M □□□080C33	124	
8.9	562	1.9	11	458	2.4	104.127	GFL07-3M □□□080C33	124	
8.2	611	1.7	10	498	2.1	113.206	GFL07-3M □□□080C33	124	
8.0	629	0.8	9.7	513	1.0	116.571	GFL06-3M □□□080C33	124	
7.3	688	1.7	8.9	562	2.1	127.556	GFL07-3M □□□080C33	124	
7.1	709	0.8	8.6	578	1.0	131.323	GFL06-3M □□□080C33	124	
6.3	795	1.4	7.7	649	1.8	147.347	GFL07-3M □□□080C33	124	
6.3	803	2.6	7.6	655	3.1	148.815	GFL09-3M □□□080C33	124	
5.6	896	1.4	6.8	731	1.7	166.025	GFL07-3M □□□080C33	124	
5.6	905	2.6	6.7	738	3.1	167.712	GFL09-3M □□□080C33	124	
5.1	989	1.2	6.2	807	1.5	183.285	GFL07-3M □□□080C33	124	
5.0	999	2.2	6.1	815	2.7	185.111	GFL09-3M □□□080C33	124	
4.5	1115	1.1	5.5	909	1.4	206.519	GFL07-3M □□□080C33	124	
4.5	1126	2.2	5.4	919	2.7	208.617	GFL09-3M □□□080C33	124	
4.1	1212	1.1	5.0	989	1.4	224.636	GFL07-3M □□□080C33	124	
4.1	1213	2.0	5.0	990	2.4	224.778	GFL09-3M □□□080C33	124	
3.7	1366	0.9	4.5	1114	1.1	253.111	GFL07-3M □□□080C33	124	
3.7	1367	2.0	4.5	1115	2.4	253.321	GFL09-3M □□□080C33	124	
3.2	1569	0.9	3.9	1280	1.1	290.706	GFL07-3M □□□080C33	124	
3.2	1570	1.7	3.9	1281	2.1	290.889	GFL09-3M □□□080C33	124	
2.8	1769	1.7	3.5	1443	2.1	327.827	GFL09-3M □□□080C33	124	
2.6	1905	1.5	3.2	1554	1.8	353.033	GFL09-3M □□□080C33	124	
2.6	1933	2.3	3.2	1577	2.8	358.077	GFL11-3M □□□080C33	124	
2.3	2147	1.5	2.8	1752	1.8	397.863	GFL09-3M □□□080C33	124	

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# GFL shaft-mounted helical gearboxes

Technical data



## Selection tables

50 Hz, 60 Hz:  $P_N = 0.55 \text{ kW}$

$n_N$	930 r/min			1140 r/min			i		
	50 Hz			60 Hz					
	$n_2$ [r/min]	$M_2$ [Nm]	c	$n_2$ [r/min]	$M_2$ [Nm]	c			
	2.3	2178	2.3	2.8	1776	2.8	403.467	GFL11-3M □□□080C33	124
	2.2	2290	1.2	2.7	1868	1.5	424.247	GFL09-3M □□□080C33	124
	2.2	2322	2.6	2.6	1894	3.1	430.222	GFL11-3M □□□080C33	124
	1.8	2779	1.0	2.2	2267	1.2	514.881	GFL09-3M □□□080C33	124
	1.8	2818	2.1	2.2	2299	2.6	522.133	GFL11-3M □□□080C33	124
	1.7	3035	1.8	2.0	2476	2.1	562.391	GFL11-3M □□□080C33	124
	1.5	3420	1.7	1.8	2790	2.1	633.680	GFL11-3M □□□080C33	124
	1.3	3837	1.4	1.6	3130	1.7	710.888	GFL11-3M □□□080C33	124
	1.2	4323	1.4	1.4	3527	1.7	801.000	GFL11-3M □□□080C33	124

# GFL shaft-mounted helical gearboxes

Technical data



## Selection tables

50 Hz, 60 Hz:  $P_N = 0.75 \text{ kW}$

$n_N$	1410 r/min			1720 r/min			i		
	50 Hz			60 Hz					
	$n_2$ [r/min]	$M_2$ [Nm]	c	$n_2$ [r/min]	$M_2$ [Nm]	c			
	385	18	4.2	467	15	4.8	3.659	GFL04-2M □□□080C32	110
	281	25	4.2	341	20	4.8	5.018	GFL04-2M □□□080C32	110
	242	29	4.2	293	24	4.8	5.833	GFL04-2M □□□080C32	110
	220	32	3.6	266	26	4.1	6.422	GFL04-2M □□□080C32	110
	201	35	3.3	243	28	3.8	7.025	GFL04-2M □□□080C32	110
	168	41	4.2	204	34	4.8	8.379	GFL04-2M □□□080C32	110
	151	46	3.6	183	38	4.2	9.333	GFL04-2M □□□080C32	110
	138	50	3.2	167	41	3.7	10.238	GFL04-2M □□□080C32	110
	123	57	3.2	149	46	3.7	11.491	GFL04-2M □□□080C32	110
	110	63	2.6	134	52	3.1	12.800	GFL04-2M □□□080C32	110
	96	72	2.5	116	59	2.9	14.706	GFL04-2M □□□080C32	110
	88	79	2.3	106	65	2.7	16.087	GFL04-2M □□□080C32	110
	79	88	1.9	95	72	2.2	17.920	GFL04-2M □□□080C32	110
	69	101	1.8	83	83	2.1	20.519	GFL04-2M □□□080C32	110
	62	113	1.5	75	92	1.7	22.857	GFL04-2M □□□080C32	110
	62	113	2.8	75	92	3.2	22.857	GFL05-2M □□□080C32	110
	57	122	2.8	69	100	3.4	24.850	GFL05-2M □□□080C32	110
	56	124	1.5	68	102	1.8	25.136	GFL04-2M □□□080C32	110
	50	138	1.2	61	113	1.5	28.000	GFL04-2M □□□080C32	110
	50	138	2.3	61	113	2.8	28.000	GFL05-2M □□□080C32	110
	45	156	1.2	54	128	1.4	31.600	GFL04-2M □□□080C32	110
	44	159	2.2	53	131	2.6	32.344	GFL05-2M □□□080C32	110
	40	173	1.0	49	142	1.2	35.200	GFL04-2M □□□080C32	110
	39	180	1.8	47	147	2.1	36.444	GFL05-2M □□□080C32	110
	35	198	1.7	43	163	2.1	40.233	GFL05-2M □□□080C32	110
	35	201	0.9	42	164	1.1	40.697	GFL04-2M □□□080C32	110
	35	201	2.9	42	165	3.5	40.800	GFL06-2M □□□080C32	110
	31	223	1.4	38	183	1.7	45.333	GFL05-2M □□□080C32	110
	31	227	2.7	37	186	3.3	45.963	GFL06-2M □□□080C32	110
	27	257	1.2	33	210	1.5	52.067	GFL05-2M □□□080C32	110
	27	257	2.9	33	210	3.5	52.067	GFL07-2M □□□080C32	110
	27	260	2.5	32	213	3.1	52.800	GFL06-2M □□□080C32	110
	24	289	1.1	29	237	1.4	58.667	GFL05-2M □□□080C32	110
	24	289	2.9	29	237	3.5	58.667	GFL07-2M □□□080C32	110
	24	293	2.1	29	240	2.6	59.481	GFL06-2M □□□080C32	110
	22	311	0.9	27	255	1.1	63.190	GFL05-2M □□□080C32	110
	22	311	2.5	27	255	3.1	63.190	GFL07-2M □□□080C32	110
	22	316	1.8	27	259	2.2	64.080	GFL06-2M □□□080C32	110
	22	317	2.8	26	260	3.4	65.306	GFL07-3M □□□080C32	126
	21	321	1.5	26	263	1.9	66.213	GFL06-3M □□□080C32	126

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# GFL shaft-mounted helical gearboxes

Technical data



## Selection tables

50 Hz, 60 Hz:  $P_N = 0.75 \text{ kW}$

$n_N$	1410 r/min			1720 r/min			i	GFL Model	Efficiency (%)
	50 Hz			60 Hz					
	$n_2$ [r/min]	$M_2$ [Nm]	c	$n_2$ [r/min]	$M_2$ [Nm]	c			
20	351	0.9	24	288	1.1	71.200	GFL05-2M □□□080C32	110	
20	351	2.5	24	288	3.1	71.200	GFL07-2M □□□080C32	110	
20	350	1.4	24	287	1.7	72.000	GFL06-3M □□□080C32	126	
20	356	1.7	24	292	2.1	72.189	GFL06-2M □□□080C32	110	
20	352	2.5	24	288	3.0	72.452	GFL07-3M □□□080C32	126	
18	394	2.0	21	323	2.5	79.875	GFL07-2M □□□080C32	110	
17	399	1.1	21	327	1.3	81.000	GFL06-2M □□□080C32	110	
17	394	1.3	21	323	1.5	81.111	GFL06-3M □□□080C32	126	
17	396	2.5	21	325	3.0	81.636	GFL07-3M □□□080C32	126	
16	428	1.1	19	351	1.4	88.200	GFL06-3M □□□080C32	126	
16	444	2.0	19	364	2.5	90.000	GFL07-2M □□□080C32	110	
16	450	1.1	19	369	1.3	91.250	GFL06-2M □□□080C32	110	
15	449	2.1	19	368	2.6	92.413	GFL07-3M □□□080C32	126	
14	482	1.1	17	395	1.4	99.361	GFL06-3M □□□080C32	126	
14	505	2.1	16	414	2.6	104.127	GFL07-3M □□□080C32	126	
13	550	1.9	15	450	2.3	113.206	GFL07-3M □□□080C32	126	
12	566	0.9	15	464	1.1	116.571	GFL06-3M □□□080C32	126	
11	619	1.9	13	508	2.3	127.556	GFL07-3M □□□080C32	126	
11	637	0.9	13	523	1.1	131.323	GFL06-3M □□□080C32	126	
9.6	715	1.6	12	586	1.9	147.347	GFL07-3M □□□080C32	126	
9.5	722	2.8	12	592	3.5	148.815	GFL09-3M □□□080C32	126	
8.5	806	1.5	10	661	1.9	166.025	GFL07-3M □□□080C32	126	
8.4	814	2.8	10	667	3.5	167.712	GFL09-3M □□□080C32	126	
7.7	890	1.4	9.3	729	1.7	183.285	GFL07-3M □□□080C32	126	
7.6	899	2.5	9.2	737	3.0	185.111	GFL09-3M □□□080C32	126	
6.8	1002	1.2	8.3	822	1.5	206.519	GFL07-3M □□□080C32	126	
6.8	1013	2.5	8.2	830	3.0	208.617	GFL09-3M □□□080C32	126	
6.3	1090	1.2	7.6	894	1.5	224.636	GFL07-3M □□□080C32	126	
6.3	1091	2.2	7.6	894	2.7	224.778	GFL09-3M □□□080C32	126	
5.6	1229	1.0	6.8	1007	1.2	253.111	GFL07-3M □□□080C32	126	
5.6	1230	2.2	6.8	1008	2.7	253.321	GFL09-3M □□□080C32	126	
4.9	1411	1.0	5.9	1157	1.2	290.706	GFL07-3M □□□080C32	126	
4.9	1412	1.9	5.9	1158	2.3	290.889	GFL09-3M □□□080C32	126	
4.3	1591	1.9	5.2	1305	2.3	327.827	GFL09-3M □□□080C32	126	
4.0	1713	0.8	4.9	1404	1.0	352.811	GFL07-3M □□□080C32	126	
4.0	1714	1.6	4.8	1405	2.0	353.033	GFL09-3M □□□080C32	126	
3.9	1738	2.5	4.8	1425	3.1	358.077	GFL11-3M □□□080C32	126	
3.5	1931	1.6	4.3	1583	2.0	397.863	GFL09-3M □□□080C32	126	
3.5	1959	2.5	4.2	1606	3.1	403.467	GFL11-3M □□□080C32	126	
3.3	2059	1.3	4.0	1688	1.6	424.247	GFL09-3M □□□080C32	126	

# GFL shaft-mounted helical gearboxes

Technical data



## Selection tables

50 Hz, 60 Hz:  $P_N = 0.75 \text{ kW}$

$n_N$	1410 r/min			1720 r/min			i		
	50 Hz			60 Hz					
$f_N$	$n_2$ [r/min]	$M_2$ [Nm]	c	$n_2$ [r/min]	$M_2$ [Nm]	c			
	3.3	2088	2.8	4.0	1712	3.5	430.222	GFL11-3M □□□080C32	126
	2.7	2499	1.1	3.3	2049	1.3	514.881	GFL09-3M □□□080C32	126
	2.7	2535	2.3	3.3	2078	2.9	522.133	GFL11-3M □□□080C32	126
	2.5	2730	1.9	3.0	2238	2.4	562.391	GFL11-3M □□□080C32	126
	2.2	3076	1.9	2.7	2522	2.3	633.680	GFL11-3M □□□080C32	126
	2.0	3451	1.5	2.4	2829	1.9	710.888	GFL11-3M □□□080C32	126
	1.8	3888	1.5	2.1	3187	1.8	801.000	GFL11-3M □□□080C32	126

# GFL shaft-mounted helical gearboxes

## Technical data



### Selection tables

50 Hz, 60 Hz: P<sub>N</sub> = 1.1 kW

n <sub>N</sub>	1430 r/min			1740 r/min			i	GFL	118
	50 Hz			60 Hz					
	n <sub>2</sub> [r/min]	M <sub>2</sub> [Nm]	c	n <sub>2</sub> [r/min]	M <sub>2</sub> [Nm]	c			
	391	26	4.2	473	21	4.8	3.659	GFL04-2M □□□090C12	118
	313	33	5.2	378	27	6.0	4.571	GFL05-2M □□□090C12	110
	285	36	3.1	345	29	3.6	5.018	GFL04-2M □□□090C12	118
	245	42	3.7	297	34	4.3	5.833	GFL04-2M □□□090C12	118
	223	46	2.5	269	38	2.8	6.422	GFL04-2M □□□090C12	118
	204	50	2.3	246	41	2.6	7.025	GFL04-2M □□□090C12	118
	171	60	3.0	207	49	3.5	8.379	GFL04-2M □□□090C12	118
	153	67	2.5	185	55	2.9	9.333	GFL04-2M □□□090C12	118
	140	73	2.2	169	60	2.5	10.238	GFL04-2M □□□090C12	118
	124	82	2.2	151	67	2.6	11.491	GFL04-2M □□□090C12	118
	112	91	1.8	135	75	2.1	12.800	GFL04-2M □□□090C12	118
	112	91	3.1	135	75	3.6	12.800	GFL05-2M □□□090C12	110
	98	104	2.9	119	85	3.4	14.538	GFL05-2M □□□090C12	110
	97	105	1.7	118	86	2.0	14.706	GFL04-2M □□□090C12	118
	90	113	2.7	109	93	3.2	15.904	GFL05-2M □□□090C12	110
	89	115	1.6	108	94	1.8	16.087	GFL04-2M □□□090C12	118
	80	128	1.3	97	105	1.5	17.920	GFL04-2M □□□090C12	118
	80	128	2.4	97	105	2.8	17.920	GFL05-2M □□□090C12	110
	71	145	2.3	85	119	2.7	20.286	GFL05-2M □□□090C12	110
	70	146	1.3	84	120	1.4	20.519	GFL04-2M □□□090C12	118
	63	163	1.0	76	134	1.2	22.857	GFL04-2M □□□090C12	118
	63	163	1.9	76	134	2.2	22.857	GFL05-2M □□□090C12	110
	58	177	1.9	70	146	2.4	24.850	GFL05-2M □□□090C12	110
	57	179	1.0	69	147	1.2	25.136	GFL04-2M □□□090C12	118
	51	200	0.8	62	164	1.0	28.000	GFL04-2M □□□090C12	118
	51	200	1.6	62	164	1.9	28.000	GFL05-2M □□□090C12	110
	50	202	3.0	61	166	3.7	28.389	GFL06-2M □□□090C12	110
	44	231	1.5	54	189	1.8	32.344	GFL05-2M □□□090C12	110
	44	234	2.7	53	192	3.3	32.800	GFL06-2M □□□090C12	110
	39	260	1.2	48	213	1.5	36.444	GFL05-2M □□□090C12	110
	39	263	2.3	47	216	2.8	36.951	GFL06-2M □□□090C12	110
	36	287	1.2	43	236	1.5	40.233	GFL05-2M □□□090C12	110
	35	291	2.3	42	239	2.7	40.800	GFL06-2M □□□090C12	110
	32	323	1.0	38	266	1.2	45.333	GFL05-2M □□□090C12	110
	31	328	1.9	38	269	2.3	45.963	GFL06-2M □□□090C12	110
	27	376	1.8	33	309	2.1	52.800	GFL06-2M □□□090C12	110
	24	418	3.0	30	344	3.7	58.667	GFL07-2M □□□090C12	110
	24	424	1.5	29	348	1.8	59.481	GFL06-2M □□□090C12	110
	23	450	2.8	27	370	3.4	63.190	GFL07-2M □□□090C12	110
	22	457	1.3	27	375	1.5	64.080	GFL06-2M □□□090C12	110

# GFL shaft-mounted helical gearboxes

Technical data



## Selection tables

50 Hz, 60 Hz:  $P_N = 1.1 \text{ kW}$

$n_N$	1430 r/min			1740 r/min			i	GFL Model	Efficiency (%)
	50 Hz			60 Hz					
	$n_2$ [r/min]	$M_2$ [Nm]	c	$n_2$ [r/min]	$M_2$ [Nm]	c			
	22	458	1.9	27	377	2.3	65.306	GFL07-3M □□□090C12	126
	22	465	1.1	26	382	1.3	66.213	GFL06-3M □□□090C12	126
	20	507	2.5	24	417	3.1	71.200	GFL07-2M □□□090C12	110
	20	505	1.0	24	415	1.2	72.000	GFL06-3M □□□090C12	126
	20	514	1.2	24	423	1.5	72.189	GFL06-2M □□□090C12	110
	20	509	1.7	24	418	2.1	72.452	GFL07-3M □□□090C12	126
	20	514	3.0	24	422	3.6	73.173	GFL09-3M □□□090C12	126
	18	561	2.7	22	461	3.3	78.750	GFL09-2M □□□090C12	110
	18	569	1.5	22	468	1.8	79.875	GFL07-2M □□□090C12	110
	18	569	0.9	21	468	1.1	81.111	GFL06-3M □□□090C12	126
	18	573	1.7	21	471	2.1	81.636	GFL07-3M □□□090C12	126
	17	579	3.0	21	476	3.6	82.465	GFL09-3M □□□090C12	126
	16	633	2.7	20	520	3.3	88.750	GFL09-2M □□□090C12	110
	16	641	1.5	19	527	1.8	90.000	GFL07-2M □□□090C12	110
	16	649	1.5	19	533	1.8	92.413	GFL07-3M □□□090C12	126
	15	655	2.6	19	538	3.1	93.333	GFL09-3M □□□090C12	126
	14	731	1.5	17	601	1.8	104.127	GFL07-3M □□□090C12	126
	14	738	2.6	16	607	3.1	105.185	GFL09-3M □□□090C12	126
	13	795	1.3	15	653	1.6	113.206	GFL07-3M □□□090C12	126
	13	803	2.3	15	660	2.8	114.333	GFL09-3M □□□090C12	126
	11	895	1.3	14	736	1.6	127.556	GFL07-3M □□□090C12	126
	11	905	2.3	13	743	2.8	128.852	GFL09-3M □□□090C12	126
	9.7	1034	1.1	12	850	1.3	147.347	GFL07-3M □□□090C12	126
	9.6	1045	2.0	12	859	2.4	148.815	GFL09-3M □□□090C12	126
	8.6	1165	1.1	10	958	1.3	166.025	GFL07-3M □□□090C12	126
	8.5	1177	2.0	10	968	2.4	167.712	GFL09-3M □□□090C12	126
	7.8	1287	1.0	9.4	1057	1.2	183.285	GFL07-3M □□□090C12	126
	7.7	1299	1.7	9.4	1068	2.1	185.111	GFL09-3M □□□090C12	126
	6.9	1450	0.9	8.4	1191	1.0	206.519	GFL07-3M □□□090C12	126
	6.9	1464	1.7	8.3	1204	2.1	208.617	GFL09-3M □□□090C12	126
	6.4	1577	0.9	7.7	1296	1.0	224.636	GFL07-3M □□□090C12	126
	6.4	1577	2.9	7.7	1296	3.5	224.636	GFL11-3M □□□090C12	126
	6.4	1578	1.5	7.7	1297	1.9	224.778	GFL09-3M □□□090C12	126
	5.7	1777	2.9	6.8	1460	3.5	253.111	GFL11-3M □□□090C12	126
	5.7	1778	1.5	6.8	1461	1.9	253.321	GFL09-3M □□□090C12	126
	5.4	1876	2.7	6.5	1542	3.3	267.259	GFL11-3M □□□090C12	126
	4.9	2042	1.3	6.0	1678	1.6	290.889	GFL09-3M □□□090C12	126
	4.4	2299	2.4	5.3	1890	2.9	327.556	GFL11-3M □□□090C12	126
	4.4	2301	1.3	5.3	1891	1.6	327.827	GFL09-3M □□□090C12	126
	4.1	2478	1.1	4.9	2037	1.4	353.033	GFL09-3M □□□090C12	126

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# GFL shaft-mounted helical gearboxes

Technical data



## Selection tables

50 Hz, 60 Hz:  $P_N = 1.1 \text{ kW}$

$n_N$	1430 r/min			1740 r/min			i		
	50 Hz			60 Hz					
	$n_2$ [r/min]	$M_2$ [Nm]	c	$n_2$ [r/min]	$M_2$ [Nm]	c			
	4.0	2514	2.1	4.8	2066	2.6	358.077	GFL11-3M □□□090C12	126
	3.6	2793	1.1	4.4	2295	1.4	397.863	GFL09-3M □□□090C12	126
	3.5	2832	2.1	4.3	2328	2.6	403.467	GFL11-3M □□□090C12	126
	3.4	2978	0.9	4.1	2448	1.1	424.247	GFL09-3M □□□090C12	126
	3.3	3020	2.0	4.0	2482	2.4	430.222	GFL11-3M □□□090C12	126
	2.7	3665	1.6	3.3	3012	2.0	522.133	GFL11-3M □□□090C12	126
	2.7	3665	2.9	3.3	3012	3.5	522.133	GFL14-3M □□□090C12	126
	2.5	3948	1.3	3.1	3245	1.6	562.391	GFL11-3M □□□090C12	126
	2.5	3948	2.3	3.1	3245	2.8	562.391	GFL14-3M □□□090C12	126
	2.3	4448	1.3	2.7	3656	1.6	633.680	GFL11-3M □□□090C12	126
	2.3	4448	2.2	2.7	3656	2.7	633.680	GFL14-3M □□□090C12	126
	2.0	4990	1.1	2.4	4101	1.3	710.888	GFL11-3M □□□090C12	126
	2.0	4990	1.8	2.4	4101	2.2	710.888	GFL14-3M □□□090C12	126
	1.8	5623	1.0	2.2	4621	1.3	801.000	GFL11-3M □□□090C12	126
	1.8	5623	1.7	2.2	4621	2.1	801.000	GFL14-3M □□□090C12	126

# GFL shaft-mounted helical gearboxes

Technical data



## Selection tables

50 Hz, 60 Hz:  $P_N = 1.5 \text{ kW}$

$n_N$	1435 r/min			1745 r/min			i		
	50 Hz			60 Hz					
	$n_2$ [r/min]	$M_2$ [Nm]	c	$n_2$ [r/min]	$M_2$ [Nm]	c			
	392	35	3.1	474	29	3.6	3.659	GFL04-2M □□□090C32	118
	314	44	3.8	380	36	4.4	4.571	GFL05-2M □□□090C32	110
	286	49	2.3	346	40	2.6	5.018	GFL04-2M □□□090C32	118
	246	56	2.7	297	46	3.1	5.833	GFL04-2M □□□090C32	118
	224	62	2.8	271	51	3.2	6.400	GFL05-2M □□□090C32	110
	223	62	1.8	270	51	2.1	6.422	GFL04-2M □□□090C32	118
	204	68	1.7	247	56	1.9	7.025	GFL04-2M □□□090C32	118
	171	81	2.2	207	67	2.5	8.379	GFL04-2M □□□090C32	118
	159	87	3.0	193	72	3.5	9.010	GFL05-2M □□□090C32	110
	154	90	1.8	186	74	2.1	9.333	GFL04-2M □□□090C32	118
	144	96	2.9	174	79	3.3	9.946	GFL05-2M □□□090C32	110
	140	99	1.6	170	82	1.9	10.238	GFL04-2M □□□090C32	118
	126	110	2.5	153	90	2.9	11.360	GFL05-2M □□□090C32	110
	125	111	1.6	151	92	1.9	11.491	GFL04-2M □□□090C32	118
	112	124	1.3	136	102	1.5	12.800	GFL04-2M □□□090C32	118
	112	124	2.3	136	102	2.7	12.800	GFL05-2M □□□090C32	110
	99	141	2.1	119	116	2.5	14.538	GFL05-2M □□□090C32	110
	98	142	1.3	118	117	1.5	14.706	GFL04-2M □□□090C32	118
	90	154	2.0	109	127	2.3	15.904	GFL05-2M □□□090C32	110
	89	156	1.2	108	128	1.4	16.087	GFL04-2M □□□090C32	118
	80	174	1.0	97	143	1.1	17.920	GFL04-2M □□□090C32	118
	80	174	1.8	97	143	2.1	17.920	GFL05-2M □□□090C32	110
	71	196	1.7	86	162	2.0	20.286	GFL05-2M □□□090C32	110
	70	199	0.9	85	163	1.1	20.519	GFL04-2M □□□090C32	118
	70	199	3.2	84	164	3.7	20.571	GFL06-2M □□□090C32	110
	63	221	1.4	76	182	1.6	22.857	GFL05-2M □□□090C32	110
	62	224	2.7	75	185	3.1	23.175	GFL06-2M □□□090C32	110
	58	241	1.4	70	198	1.7	24.850	GFL05-2M □□□090C32	110
	57	244	2.7	69	201	3.2	25.200	GFL06-2M □□□090C32	110
	51	271	1.2	62	223	1.4	28.000	GFL05-2M □□□090C32	110
	51	275	2.2	61	226	2.7	28.389	GFL06-2M □□□090C32	110
	44	313	1.1	54	258	1.3	32.344	GFL05-2M □□□090C32	110
	44	318	2.0	53	261	2.5	32.800	GFL06-2M □□□090C32	110
	39	353	0.9	48	290	1.1	36.444	GFL05-2M □□□090C32	110
	39	358	1.7	47	294	2.1	36.951	GFL06-2M □□□090C32	110
	36	384	2.9	44	316	3.6	39.642	GFL07-2M □□□090C32	110
	36	390	0.9	43	320	1.1	40.233	GFL05-2M □□□090C32	110
	35	395	1.7	43	325	2.0	40.800	GFL06-2M □□□090C32	110
	32	433	2.9	39	356	3.5	44.667	GFL07-2M □□□090C32	110
	31	445	1.4	38	366	1.7	45.963	GFL06-2M □□□090C32	110

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# GFL shaft-mounted helical gearboxes

Technical data



## Selection tables

50 Hz, 60 Hz:  $P_N = 1.5 \text{ kW}$

$n_N$	1435 r/min			1745 r/min			i		
	50 Hz			60 Hz					
	$n_2$ [r/min]	$M_2$ [Nm]	c	$n_2$ [r/min]	$M_2$ [Nm]	c			
	28	497	2.9	34	409	3.6	51.333	GFL09-2M □□□090C32	110
	28	504	2.4	33	415	3.0	52.067	GFL07-2M □□□090C32	110
	27	511	1.3	33	421	1.6	52.800	GFL06-2M □□□090C32	110
	25	560	2.9	30	461	3.6	57.852	GFL09-2M □□□090C32	110
	25	568	2.2	30	467	2.7	58.667	GFL07-2M □□□090C32	110
	24	576	1.1	29	474	1.3	59.481	GFL06-2M □□□090C32	110
	23	603	2.6	28	496	3.1	62.300	GFL09-2M □□□090C32	110
	23	612	2.0	28	503	2.5	63.190	GFL07-2M □□□090C32	110
	23	604	2.5	27	497	3.0	63.326	GFL09-3M □□□090C32	126
	22	621	0.9	27	510	1.1	64.080	GFL06-2M □□□090C32	110
	22	623	1.4	27	512	1.7	65.306	GFL07-3M □□□090C32	126
	20	680	2.6	25	559	3.1	70.211	GFL09-2M □□□090C32	110
	20	690	1.9	24	567	2.3	71.200	GFL07-2M □□□090C32	110
	20	699	0.9	24	575	1.1	72.189	GFL06-2M □□□090C32	110
	20	691	1.3	24	568	1.5	72.452	GFL07-3M □□□090C32	126
	20	698	2.2	24	574	2.6	73.173	GFL09-3M □□□090C32	126
	18	763	2.0	22	627	2.4	78.750	GFL09-2M □□□090C32	110
	18	774	1.1	22	636	1.3	79.875	GFL07-2M □□□090C32	110
	18	779	1.3	21	640	1.5	81.636	GFL07-3M □□□090C32	126
	17	787	2.2	21	647	2.6	82.465	GFL09-3M □□□090C32	126
	16	860	2.0	20	707	2.4	88.750	GFL09-2M □□□090C32	110
	16	872	1.1	19	717	1.3	90.000	GFL07-2M □□□090C32	110
	16	882	1.1	19	725	1.3	92.413	GFL07-3M □□□090C32	126
	15	890	1.9	19	732	2.3	93.333	GFL09-3M □□□090C32	126
	14	993	1.1	17	817	1.3	104.127	GFL07-3M □□□090C32	126
	14	1003	1.9	17	825	2.3	105.185	GFL09-3M □□□090C32	126
	13	1080	1.0	15	888	1.2	113.206	GFL07-3M □□□090C32	126
	13	1091	1.7	15	897	2.1	114.333	GFL09-3M □□□090C32	126
	11	1217	1.0	14	1001	1.2	127.556	GFL07-3M □□□090C32	126
	11	1229	1.7	14	1011	2.1	128.852	GFL09-3M □□□090C32	126
	9.7	1406	0.8	12	1156	1.0	147.347	GFL07-3M □□□090C32	126
	9.6	1420	1.4	12	1167	1.8	148.815	GFL09-3M □□□090C32	126
	9.6	1423	2.7	12	1170	3.3	149.144	GFL11-3M □□□090C32	126
	8.6	1600	1.4	10	1316	1.8	167.712	GFL09-3M □□□090C32	126
	8.5	1603	2.7	10	1318	3.3	168.049	GFL11-3M □□□090C32	126
	7.9	1744	2.4	9.5	1434	3.0	182.792	GFL11-3M □□□090C32	126
	7.8	1766	1.3	9.4	1452	1.5	185.111	GFL09-3M □□□090C32	126
	7.1	1928	2.9	8.6	1585	3.6	202.074	GFL14-3M □□□090C32	126
	7.0	1965	2.4	8.4	1616	3.0	205.963	GFL11-3M □□□090C32	126
	6.9	1990	1.3	8.3	1637	1.5	208.617	GFL09-3M □□□090C32	126

# GFL shaft-mounted helical gearboxes

Technical data



## Selection tables

50 Hz, 60 Hz:  $P_N = 1.5 \text{ kW}$

$n_N$	1435 r/min			1745 r/min			i		
	50 Hz			60 Hz					
$f_N$	$n_2$ [r/min]	$M_2$ [Nm]	c	$n_2$ [r/min]	$M_2$ [Nm]	c			
	6.4	2143	2.1	7.7	1762	2.6	224.636	GFL11-3M □□□090C32	126
	6.4	2144	1.1	7.7	1763	1.4	224.778	GFL09-3M □□□090C32	126
	5.7	2415	2.1	6.9	1986	2.6	253.111	GFL11-3M □□□090C32	126
	5.7	2417	1.1	6.9	1987	1.4	253.321	GFL09-3M □□□090C32	126
	5.4	2549	2.0	6.5	2097	2.4	267.259	GFL11-3M □□□090C32	126
	4.9	2775	1.0	6.0	2282	1.2	290.889	GFL09-3M □□□090C32	126
	4.4	3125	1.8	5.3	2570	2.1	327.556	GFL11-3M □□□090C32	126
	4.4	3127	1.0	5.3	2572	1.2	327.827	GFL09-3M □□□090C32	126
	4.1	3366	2.6	4.9	2768	3.1	352.811	GFL14-3M □□□090C32	126
	4.1	3368	0.8	4.9	2769	1.0	353.033	GFL09-3M □□□090C32	126
	4.0	3416	1.5	4.9	2809	1.9	358.077	GFL11-3M □□□090C32	126
	3.6	3792	2.6	4.4	3119	3.1	397.533	GFL14-3M □□□090C32	126
	3.6	3795	0.8	4.4	3121	1.0	397.863	GFL09-3M □□□090C32	126
	3.6	3849	1.5	4.3	3165	1.9	403.467	GFL11-3M □□□090C32	126
	3.3	4104	1.4	4.0	3375	1.8	430.222	GFL11-3M □□□090C32	126
	3.3	4104	2.6	4.0	3375	3.1	430.222	GFL14-3M □□□090C32	126
	2.8	4981	1.2	3.3	4096	1.5	522.133	GFL11-3M □□□090C32	126
	2.8	4981	2.1	3.3	4096	2.6	522.133	GFL14-3M □□□090C32	126
	2.6	5365	1.0	3.1	4412	1.2	562.391	GFL11-3M □□□090C32	126
	2.6	5365	1.7	3.1	4412	2.0	562.391	GFL14-3M □□□090C32	126
	2.3	6045	1.0	2.7	4971	1.2	633.680	GFL11-3M □□□090C32	126
	2.3	6045	1.6	2.7	4971	2.0	633.680	GFL14-3M □□□090C32	126
	2.0	6781	1.3	2.5	5577	1.6	710.888	GFL14-3M □□□090C32	126
	1.8	7641	1.3	2.2	6284	1.6	801.000	GFL14-3M □□□090C32	126

# GFL shaft-mounted helical gearboxes

Technical data



## Selection tables

50 Hz, 60 Hz: P<sub>N</sub> = 2.2 kW

n <sub>N</sub>	1445 r/min			1750 r/min			i	GFL	110
	50 Hz			60 Hz					
	n <sub>2</sub> [r/min]	M <sub>2</sub> [Nm]	c	n <sub>2</sub> [r/min]	M <sub>2</sub> [Nm]	c			
434	47	3.5	524	39	4.1	3.333	GFL05-2M	□□□100C12	110
316	64	2.6	382	53	3.0	4.571	GFL05-2M	□□□100C12	110
282	72	3.1	340	60	3.5	5.133	GFL05-2M	□□□100C12	110
255	80	2.9	308	66	3.3	5.667	GFL05-2M	□□□100C12	110
226	90	1.9	273	75	2.2	6.400	GFL05-2M	□□□100C12	110
205	99	2.5	248	82	2.9	7.040	GFL05-2M	□□□100C12	110
186	110	2.4	225	91	2.7	7.771	GFL05-2M	□□□100C12	110
160	127	2.1	194	105	2.4	9.010	GFL05-2M	□□□100C12	110
145	140	2.0	176	116	2.3	9.946	GFL05-2M	□□□100C12	110
143	142	3.2	173	118	3.7	10.092	GFL06-2M	□□□100C12	110
127	160	1.7	154	132	2.0	11.360	GFL05-2M	□□□100C12	110
113	181	1.6	136	149	1.8	12.800	GFL05-2M	□□□100C12	110
111	183	3.2	135	151	3.7	12.978	GFL06-2M	□□□100C12	110
99	205	1.5	120	169	1.7	14.538	GFL05-2M	□□□100C12	110
98	208	3.1	118	172	3.5	14.743	GFL06-2M	□□□100C12	110
91	224	1.4	110	185	1.6	15.904	GFL05-2M	□□□100C12	110
90	227	2.8	108	188	3.2	16.128	GFL06-2M	□□□100C12	110
81	253	1.2	97	209	1.4	17.920	GFL05-2M	□□□100C12	110
80	256	2.3	96	212	2.7	18.169	GFL06-2M	□□□100C12	110
71	286	1.2	86	236	1.3	20.286	GFL05-2M	□□□100C12	110
70	290	2.2	85	240	2.6	20.571	GFL06-2M	□□□100C12	110
63	322	1.0	76	266	1.1	22.857	GFL05-2M	□□□100C12	110
62	327	1.8	75	270	2.1	23.175	GFL06-2M	□□□100C12	110
58	351	1.0	70	289	1.2	24.850	GFL05-2M	□□□100C12	110
57	355	1.8	69	294	2.2	25.200	GFL06-2M	□□□100C12	110
52	395	3.1	62	326	3.8	28.000	GFL07-2M	□□□100C12	110
51	400	1.5	62	331	1.8	28.389	GFL06-2M	□□□100C12	110
45	456	3.0	54	377	3.6	32.344	GFL07-2M	□□□100C12	110
44	463	1.4	53	382	1.7	32.800	GFL06-2M	□□□100C12	110
40	514	2.4	48	424	2.9	36.444	GFL07-2M	□□□100C12	110
39	521	1.2	47	430	1.4	36.951	GFL06-2M	□□□100C12	110
37	559	2.5	44	462	3.0	39.642	GFL07-2M	□□□100C12	110
35	576	1.1	43	475	1.4	40.800	GFL06-2M	□□□100C12	110
32	630	2.0	39	520	2.4	44.667	GFL07-2M	□□□100C12	110
31	648	0.9	38	535	1.1	45.963	GFL06-2M	□□□100C12	110
28	724	2.8	34	598	3.4	51.333	GFL09-2M	□□□100C12	110
28	734	1.8	34	606	2.2	52.067	GFL07-2M	□□□100C12	110
25	816	2.8	30	674	3.4	57.852	GFL09-2M	□□□100C12	110
25	828	1.5	30	683	1.9	58.667	GFL07-2M	□□□100C12	110
23	879	2.3	28	726	2.8	62.300	GFL09-2M	□□□100C12	110

# GFL shaft-mounted helical gearboxes

Technical data



## Selection tables

50 Hz, 60 Hz:  $P_N = 2.2 \text{ kW}$

$n_N$	1445 r/min			1750 r/min			i		
	50 Hz			60 Hz					
	$n_2$ [r/min]	$M_2$ [Nm]	c	$n_2$ [r/min]	$M_2$ [Nm]	c			
	23	891	1.4	28	736	1.7	63.190	GFL07-2M □□□100C12	110
	23	891	2.9	28	736	3.5	63.190	GFL11-2M □□□100C12	110
	23	880	1.7	28	727	2.1	63.326	GFL09-3M □□□100C12	126
	22	907	1.0	27	749	1.2	65.306	GFL07-3M □□□100C12	126
	22	907	3.2	27	749	3.9	65.306	GFL11-3M □□□100C12	126
	21	990	2.3	25	818	2.8	70.211	GFL09-2M □□□100C12	110
	20	1004	1.3	25	829	1.5	71.200	GFL07-2M □□□100C12	110
	20	1004	2.9	25	829	3.5	71.200	GFL11-2M □□□100C12	110
	20	1007	0.9	24	831	1.0	72.452	GFL07-3M □□□100C12	126
	20	1017	1.5	24	839	1.8	73.173	GFL09-3M □□□100C12	126
	20	1019	2.8	24	841	3.4	73.335	GFL11-3M □□□100C12	126
	18	1111	1.5	22	917	1.8	78.750	GFL09-2M □□□100C12	110
	18	1127	2.3	22	930	2.8	79.875	GFL11-2M □□□100C12	110
	18	1134	0.9	21	937	1.0	81.636	GFL07-3M □□□100C12	126
	18	1146	1.5	21	946	1.8	82.465	GFL09-3M □□□100C12	126
	18	1148	2.8	21	948	3.4	82.631	GFL11-3M □□□100C12	126
	16	1252	1.4	20	1034	1.7	88.750	GFL09-2M □□□100C12	110
	16	1270	2.3	19	1048	2.8	90.000	GFL11-2M □□□100C12	110
	16	1297	1.3	19	1071	1.6	93.333	GFL09-3M □□□100C12	126
	15	1300	2.5	19	1073	3.0	93.540	GFL11-3M □□□100C12	126
	14	1461	1.3	17	1207	1.6	105.185	GFL09-3M □□□100C12	126
	14	1464	2.5	17	1209	3.0	105.397	GFL11-3M □□□100C12	126
	13	1589	1.2	15	1312	1.4	114.333	GFL09-3M □□□100C12	126
	13	1592	2.2	15	1315	2.7	114.586	GFL11-3M □□□100C12	126
	11	1790	1.2	14	1478	1.4	128.852	GFL09-3M □□□100C12	126
	11	1794	2.2	14	1481	2.7	129.111	GFL11-3M □□□100C12	126
	9.7	2068	1.0	12	1707	1.2	148.815	GFL09-3M □□□100C12	126
	9.7	2072	1.9	12	1711	2.3	149.144	GFL11-3M □□□100C12	126
	8.6	2330	1.0	10	1924	1.2	167.712	GFL09-3M □□□100C12	126
	8.6	2335	1.9	10	1928	2.3	168.049	GFL11-3M □□□100C12	126
	7.9	2540	1.7	9.6	2097	2.0	182.792	GFL11-3M □□□100C12	126
	7.8	2572	0.9	9.4	2124	1.1	185.111	GFL09-3M □□□100C12	126
	7.2	2808	2.8	8.6	2318	3.4	202.074	GFL14-3M □□□100C12	126
	7.0	2862	1.7	8.5	2363	2.0	205.963	GFL11-3M □□□100C12	126
	6.9	2899	0.9	8.4	2393	1.1	208.617	GFL09-3M □□□100C12	126
	6.4	3121	1.4	7.8	2577	1.8	224.636	GFL11-3M □□□100C12	126
	6.4	3121	2.8	7.8	2577	3.4	224.636	GFL14-3M □□□100C12	126
	5.7	3517	1.4	6.9	2904	1.8	253.111	GFL11-3M □□□100C12	126
	5.7	3517	2.8	6.9	2904	3.4	253.111	GFL14-3M □□□100C12	126
	5.4	3713	1.4	6.5	3066	1.7	267.259	GFL11-3M □□□100C12	126

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# GFL shaft-mounted helical gearboxes

Technical data



## Selection tables

50 Hz, 60 Hz:  $P_N = 2.2 \text{ kW}$

$n_N$	1445 r/min			1750 r/min			i		
	50 Hz			60 Hz					
	$n_2$ [r/min]	$M_2$ [Nm]	c	$n_2$ [r/min]	$M_2$ [Nm]	c			
	5.3	3804	2.6	6.4	3141	3.1	273.778	GFL14-3M □□□100C12	126
	4.4	4551	1.2	5.3	3758	1.5	327.556	GFL11-3M □□□100C12	126
	4.4	4619	2.3	5.3	3814	2.8	332.444	GFL14-3M □□□100C12	126
	4.1	4902	2.1	5.0	4048	2.6	352.811	GFL14-3M □□□100C12	126
	4.0	4975	1.1	4.9	4108	1.3	358.077	GFL11-3M □□□100C12	126
	3.6	5523	2.1	4.4	4561	2.5	397.533	GFL14-3M □□□100C12	126
	3.6	5606	1.1	4.3	4629	1.3	403.467	GFL11-3M □□□100C12	126
	3.4	5978	1.0	4.1	4936	1.2	430.222	GFL11-3M □□□100C12	126
	3.4	5978	1.8	4.1	4936	2.1	430.222	GFL14-3M □□□100C12	126
	2.8	7255	0.8	3.3	5990	1.0	522.133	GFL11-3M □□□100C12	126
	2.8	7255	1.5	3.3	5990	1.8	522.133	GFL14-3M □□□100C12	126
	2.6	7814	1.2	3.1	6452	1.4	562.391	GFL14-3M □□□100C12	126
	2.3	8805	1.1	2.8	7270	1.3	633.680	GFL14-3M □□□100C12	126
	2.0	9877	0.9	2.5	8156	1.1	710.888	GFL14-3M □□□100C12	126
	1.8	11129	0.9	2.2	9190	1.1	801.000	GFL14-3M □□□100C12	126

# GFL shaft-mounted helical gearboxes

Technical data



## Selection tables

50 Hz, 60 Hz:  $P_N = 3.0 \text{ kW}$

$n_N$	1445 r/min			1755 r/min			i		
	50 Hz			60 Hz					
	$n_2$ [r/min]	$M_2$ [Nm]	c	$n_2$ [r/min]	$M_2$ [Nm]	c			
	434	64	2.6	524	53	3.0	3.333	GFL05-2M □□□100C32	110
	316	88	1.9	382	72	2.2	4.571	GFL05-2M □□□100C32	110
	282	99	2.3	340	81	2.6	5.133	GFL05-2M □□□100C32	110
	255	109	2.1	308	90	2.5	5.667	GFL05-2M □□□100C32	110
	226	123	1.4	273	101	1.6	6.400	GFL05-2M □□□100C32	110
	224	124	2.8	271	102	3.3	6.450	GFL06-2M □□□100C32	110
	205	135	1.8	248	111	2.1	7.040	GFL05-2M □□□100C32	110
	202	137	3.2	244	113	3.6	7.147	GFL06-2M □□□100C32	110
	186	149	1.7	225	123	2.0	7.771	GFL05-2M □□□100C32	110
	160	173	1.5	194	143	1.8	9.010	GFL05-2M □□□100C32	110
	153	182	3.2	184	150	3.7	9.463	GFL06-2M □□□100C32	110
	145	191	1.4	176	158	1.7	9.946	GFL05-2M □□□100C32	110
	143	194	2.4	173	160	2.7	10.092	GFL06-2M □□□100C32	110
	127	219	1.3	154	180	1.5	11.360	GFL05-2M □□□100C32	110
	125	222	2.9	152	182	3.3	11.520	GFL06-2M □□□100C32	110
	113	246	1.2	136	203	1.3	12.800	GFL05-2M □□□100C32	110
	111	250	2.4	135	206	2.7	12.978	GFL06-2M □□□100C32	110
	99	280	1.1	120	230	1.2	14.538	GFL05-2M □□□100C32	110
	98	284	2.3	118	233	2.6	14.743	GFL06-2M □□□100C32	110
	91	306	1.0	110	252	1.2	15.904	GFL05-2M □□□100C32	110
	90	310	2.1	108	255	2.4	16.128	GFL06-2M □□□100C32	110
	81	345	0.9	97	284	1.0	17.920	GFL05-2M □□□100C32	110
	80	349	1.7	96	288	2.0	18.169	GFL06-2M □□□100C32	110
	71	390	0.9	86	321	1.0	20.286	GFL05-2M □□□100C32	110
	71	390	3.2	86	321	3.7	20.286	GFL07-2M □□□100C32	110
	70	396	1.6	85	326	1.9	20.571	GFL06-2M □□□100C32	110
	63	440	2.8	76	362	3.3	22.857	GFL07-2M □□□100C32	110
	62	446	1.4	75	367	1.6	23.175	GFL06-2M □□□100C32	110
	58	478	2.8	70	394	3.4	24.850	GFL07-2M □□□100C32	110
	57	485	1.3	69	399	1.6	25.200	GFL06-2M □□□100C32	110
	52	539	2.3	62	443	2.8	28.000	GFL07-2M □□□100C32	110
	51	546	1.1	62	450	1.4	28.389	GFL06-2M □□□100C32	110
	45	622	2.2	54	512	2.7	32.344	GFL07-2M □□□100C32	110
	44	628	3.0	53	517	3.6	32.667	GFL09-2M □□□100C32	110
	44	631	1.0	53	519	1.2	32.800	GFL06-2M □□□100C32	110
	40	701	1.8	48	577	2.2	36.444	GFL07-2M □□□100C32	110
	39	708	3.0	47	583	3.6	36.815	GFL09-2M □□□100C32	110
	39	711	0.9	47	585	1.0	36.951	GFL06-2M □□□100C32	110
	37	763	1.8	44	628	2.2	39.642	GFL07-2M □□□100C32	110
	36	763	2.5	44	628	3.1	39.667	GFL09-2M □□□100C32	110

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# GFL shaft-mounted helical gearboxes

Technical data



## Selection tables

50 Hz, 60 Hz:  $P_N = 3.0 \text{ kW}$

$n_N$	1445 r/min			1755 r/min			i	GFL Model	Efficiency [%]
	50 Hz			60 Hz					
	$n_2$ [r/min]	$M_2$ [Nm]	c	$n_2$ [r/min]	$M_2$ [Nm]	c			
	35	785	0.8	43	646	1.0	40.800	GFL06-2M □□□100C32	110
	32	859	1.5	39	707	1.8	44.667	GFL07-2M □□□100C32	110
	32	860	2.5	39	708	3.1	44.704	GFL09-2M □□□100C32	110
	28	987	2.0	34	813	2.5	51.333	GFL09-2M □□□100C32	110
	28	1002	1.3	34	825	1.6	52.067	GFL07-2M □□□100C32	110
	28	1002	2.5	34	825	3.1	52.067	GFL11-2M □□□100C32	110
	25	1113	2.0	30	916	2.5	57.852	GFL09-2M □□□100C32	110
	25	1128	1.1	30	929	1.4	58.667	GFL07-2M □□□100C32	110
	25	1128	2.5	30	929	3.1	58.667	GFL11-2M □□□100C32	110
	23	1198	1.7	28	987	2.1	62.300	GFL09-2M □□□100C32	110
	23	1215	1.0	28	1001	1.2	63.190	GFL07-2M □□□100C32	110
	23	1215	2.1	28	1001	2.6	63.190	GFL11-2M □□□100C32	110
	23	1200	1.3	28	988	1.5	63.326	GFL09-3M □□□100C32	126
	22	1237	2.3	27	1019	2.8	65.306	GFL11-3M □□□100C32	126
	21	1351	1.7	25	1112	2.1	70.211	GFL09-2M □□□100C32	110
	20	1370	0.9	25	1128	1.1	71.200	GFL07-2M □□□100C32	110
	20	1370	2.1	25	1128	2.6	71.200	GFL11-2M □□□100C32	110
	20	1386	1.1	24	1142	1.3	73.173	GFL09-3M □□□100C32	126
	20	1389	2.1	24	1144	2.5	73.335	GFL11-3M □□□100C32	126
	18	1515	1.1	22	1247	1.3	78.750	GFL09-2M □□□100C32	110
	18	1536	1.7	22	1265	2.1	79.875	GFL11-2M □□□100C32	110
	18	1562	1.1	21	1286	1.3	82.465	GFL09-3M □□□100C32	126
	18	1566	2.1	21	1289	2.5	82.631	GFL11-3M □□□100C32	126
	16	1707	1.0	20	1406	1.3	88.750	GFL09-2M □□□100C32	110
	16	1731	1.7	19	1425	2.1	90.000	GFL11-2M □□□100C32	110
	16	1768	1.0	19	1456	1.2	93.333	GFL09-3M □□□100C32	126
	15	1772	1.8	19	1459	2.2	93.540	GFL11-3M □□□100C32	126
	14	1987	3.0	17	1636	3.6	104.889	GFL14-3M □□□100C32	126
	14	1993	1.0	17	1641	1.2	105.185	GFL09-3M □□□100C32	126
	14	1997	1.8	17	1644	2.2	105.397	GFL11-3M □□□100C32	126
	13	2162	3.0	15	1780	3.6	114.126	GFL14-3M □□□100C32	126
	13	2166	0.9	15	1784	1.0	114.333	GFL09-3M □□□100C32	126
	13	2171	1.6	15	1788	2.0	114.586	GFL11-3M □□□100C32	126
	11	2436	3.0	14	2006	3.6	128.593	GFL14-3M □□□100C32	126
	11	2441	0.9	14	2010	1.0	128.852	GFL09-3M □□□100C32	126
	11	2446	1.6	14	2014	2.0	129.111	GFL11-3M □□□100C32	126
	9.7	2826	1.4	12	2327	1.7	149.144	GFL11-3M □□□100C32	126
	9.3	2958	2.5	11	2436	3.1	156.148	GFL14-3M □□□100C32	126
	8.6	3184	1.4	10	2622	1.7	168.049	GFL11-3M □□□100C32	126
	8.5	3222	2.6	10	2653	3.2	170.074	GFL14-3M □□□100C32	126

# GFL shaft-mounted helical gearboxes

Technical data



## Selection tables

50 Hz, 60 Hz: P<sub>N</sub> = 3.0 kW

n <sub>N</sub>	1445 r/min			1755 r/min			i		
	50 Hz			60 Hz					
	f <sub>N</sub>	n <sub>2</sub> [r/min]	M <sub>2</sub> [Nm]	c	n <sub>2</sub> [r/min]	M <sub>2</sub> [Nm]			
	7.9	3463	1.2	9.6	2852	1.5	182.792	GFL11-3M □□□100C32	126
	7.2	3829	2.0	8.6	3152	2.5	202.074	GFL14-3M □□□100C32	126
	7.0	3902	1.2	8.5	3213	1.5	205.963	GFL11-3M □□□100C32	126
	6.4	4256	1.1	7.8	3504	1.3	224.636	GFL11-3M □□□100C32	126
	6.4	4256	2.1	7.8	3504	2.5	224.636	GFL14-3M □□□100C32	126
	5.7	4796	1.1	6.9	3949	1.3	253.111	GFL11-3M □□□100C32	126
	5.7	4796	2.1	6.9	3949	2.5	253.111	GFL14-3M □□□100C32	126
	5.4	5064	1.0	6.5	4169	1.2	267.259	GFL11-3M □□□100C32	126
	5.3	5187	1.9	6.4	4271	2.3	273.778	GFL14-3M □□□100C32	126
	4.4	6206	0.9	5.3	5110	1.1	327.556	GFL11-3M □□□100C32	126
	4.4	6299	1.7	5.3	5186	2.0	332.444	GFL14-3M □□□100C32	126
	4.1	6685	1.6	5.0	5504	1.9	352.811	GFL14-3M □□□100C32	126
	3.6	7532	1.5	4.4	6202	1.9	397.533	GFL14-3M □□□100C32	126
	3.4	8151	1.3	4.1	6711	1.6	430.222	GFL14-3M □□□100C32	126
	2.8	9893	1.1	3.3	8145	1.3	522.133	GFL14-3M □□□100C32	126
	2.6	10655	0.8	3.1	8773	1.0	562.391	GFL14-3M □□□100C32	126
	2.3	12006	0.8	2.8	9885	1.0	633.680	GFL14-3M □□□100C32	126

# GFL shaft-mounted helical gearboxes

Technical data



## Selection tables

50 Hz, 60 Hz: P<sub>N</sub> = 4.0 kW

n <sub>N</sub>	1455 r/min			1760 r/min			i	GFL	112C22	110
	50 Hz			60 Hz						
	n <sub>2</sub> [r/min]	M <sub>2</sub> [Nm]	c	n <sub>2</sub> [r/min]	M <sub>2</sub> [Nm]	c				
	396	94	3.4	478	77	3.9	3.675	GFL06-2M	110	
	313	118	4.2	378	98	4.8	4.643	GFL07-2M	110	
	279	133	3.2	337	110	3.7	5.211	GFL06-2M	110	
	253	146	3.0	305	121	3.5	5.750	GFL06-2M	110	
	226	164	2.1	272	136	2.5	6.450	GFL06-2M	110	
	204	182	2.4	246	150	2.7	7.147	GFL06-2M	110	
	173	214	2.8	209	177	3.2	8.400	GFL06-2M	110	
	154	241	2.4	186	199	2.8	9.463	GFL06-2M	110	
	144	257	1.8	174	213	2.0	10.092	GFL06-2M	110	
	126	293	2.2	152	243	2.5	11.520	GFL06-2M	110	
	112	331	1.8	135	273	2.1	12.978	GFL06-2M	110	
	103	362	3.2	124	299	3.6	14.200	GFL07-2M	110	
	99	376	1.7	119	310	2.0	14.743	GFL06-2M	110	
	92	405	2.9	110	335	3.3	15.904	GFL07-2M	110	
	90	411	1.6	109	340	1.8	16.128	GFL06-2M	110	
	81	456	2.6	98	377	3.0	17.920	GFL07-2M	110	
	80	463	1.3	97	383	1.5	18.169	GFL06-2M	110	
	72	517	2.4	87	427	2.8	20.286	GFL07-2M	110	
	71	524	1.2	85	433	1.4	20.571	GFL06-2M	110	
	64	582	2.1	77	481	2.4	22.857	GFL07-2M	110	
	63	590	1.0	76	488	1.2	23.175	GFL06-2M	110	
	59	633	2.1	71	523	2.6	24.850	GFL07-2M	110	
	58	642	1.0	70	531	1.2	25.200	GFL06-2M	110	
	52	713	1.7	63	590	2.1	28.000	GFL07-2M	110	
	51	723	0.8	62	598	1.0	28.389	GFL06-2M	110	
	45	824	1.7	54	681	2.0	32.344	GFL07-2M	110	
	45	832	2.6	54	688	3.1	32.667	GFL09-2M	110	
	40	928	1.3	48	767	1.6	36.444	GFL07-2M	110	
	40	938	2.6	48	775	3.1	36.815	GFL09-2M	110	
	37	1010	1.4	44	835	1.7	39.642	GFL07-2M	110	
	37	1010	2.2	44	835	2.6	39.667	GFL09-2M	110	
	36	1025	2.7	44	847	3.3	40.233	GFL11-2M	110	
	33	1138	1.1	39	941	1.3	44.667	GFL07-2M	110	
	33	1139	2.2	39	941	2.6	44.704	GFL09-2M	110	
	32	1155	2.7	39	955	3.3	45.333	GFL11-2M	110	
	28	1307	1.8	34	1081	2.1	51.333	GFL09-2M	110	
	28	1326	2.2	34	1096	2.6	52.067	GFL11-2M	110	
	28	1326	2.7	34	1096	3.3	52.067	GFL14-2M	110	
	25	1474	1.8	30	1218	2.1	57.852	GFL09-2M	110	
	25	1494	2.2	30	1235	2.6	58.667	GFL11-2M	110	

# GFL shaft-mounted helical gearboxes

Technical data



## Selection tables

50 Hz, 60 Hz: P<sub>N</sub> = 4.0 kW

n <sub>N</sub>	1455 r/min			1760 r/min			i		
	50 Hz			60 Hz					
	f <sub>N</sub>	n <sub>2</sub> [r/min]	M <sub>2</sub> [Nm]	c	n <sub>2</sub> [r/min]	M <sub>2</sub> [Nm]			
	25	1494	2.7	30	1235	3.3	58.667	GFL14-2M □□□112C22	110
	23	1587	1.5	28	1312	1.8	62.300	GFL09-2M □□□112C22	110
	23	1609	1.8	28	1331	2.2	63.190	GFL11-2M □□□112C22	110
	23	1609	2.3	28	1331	2.7	63.190	GFL14-2M □□□112C22	110
	23	1589	1.0	28	1313	1.1	63.326	GFL09-3M □□□112C22	126
	22	1638	1.8	27	1355	2.1	65.306	GFL11-3M □□□112C22	126
	21	1724	3.1	26	1425	3.8	68.708	GFL14-3M □□□112C22	126
	21	1788	1.4	25	1478	1.7	70.211	GFL09-2M □□□112C22	110
	20	1814	1.8	25	1499	2.2	71.200	GFL11-2M □□□112C22	110
	20	1814	2.3	25	1499	2.7	71.200	GFL14-2M □□□112C22	110
	20	1836	0.8	24	1518	1.0	73.173	GFL09-3M □□□112C22	126
	20	1840	1.6	24	1521	1.9	73.335	GFL11-3M □□□112C22	126
	19	1942	3.1	23	1606	3.8	77.418	GFL14-3M □□□112C22	126
	18	2034	1.5	22	1682	1.8	79.875	GFL11-2M □□□112C22	110
	18	2034	1.8	22	1682	2.2	79.875	GFL14-2M □□□112C22	110
	18	2069	0.8	21	1710	1.0	82.465	GFL09-3M □□□112C22	126
	18	2073	1.6	21	1714	1.9	82.631	GFL11-3M □□□112C22	126
	17	2133	2.9	21	1764	3.6	85.037	GFL14-3M □□□112C22	126
	16	2292	1.5	20	1895	1.8	90.000	GFL11-2M □□□112C22	110
	16	2292	1.8	20	1895	2.2	90.000	GFL14-2M □□□112C22	110
	16	2347	1.4	19	1940	1.7	93.540	GFL11-3M □□□112C22	126
	14	2632	2.6	17	2175	3.1	104.889	GFL14-3M □□□112C22	126
	14	2644	1.4	17	2186	1.7	105.397	GFL11-3M □□□112C22	126
	13	2863	2.3	15	2367	2.8	114.126	GFL14-3M □□□112C22	126
	13	2875	1.2	15	2377	1.5	114.586	GFL11-3M □□□112C22	126
	11	3226	2.3	14	2667	2.8	128.593	GFL14-3M □□□112C22	126
	11	3239	1.2	14	2678	1.5	129.111	GFL11-3M □□□112C22	126
	11	3434	2.1	13	2839	2.6	136.889	GFL14-3M □□□112C22	126
	9.8	3742	1.0	12	3093	1.3	149.144	GFL11-3M □□□112C22	126
	9.3	3918	2.1	11	3239	2.5	156.148	GFL14-3M □□□112C22	126
	8.7	4216	1.0	10	3485	1.3	168.049	GFL11-3M □□□112C22	126
	8.6	4267	2.0	10	3527	2.4	170.074	GFL14-3M □□□112C22	126
	8.0	4586	0.9	9.6	3791	1.1	182.792	GFL11-3M □□□112C22	126
	7.2	5070	1.8	8.7	4191	2.1	202.074	GFL14-3M □□□112C22	126
	7.1	5167	0.9	8.5	4272	1.1	205.963	GFL11-3M □□□112C22	126
	6.5	5636	0.8	7.8	4659	1.0	224.636	GFL11-3M □□□112C22	126
	6.5	5636	1.6	7.8	4659	1.9	224.636	GFL14-3M □□□112C22	126
	5.8	6350	0.8	6.9	5250	1.0	253.111	GFL11-3M □□□112C22	126
	5.8	6350	1.6	6.9	5250	1.9	253.111	GFL14-3M □□□112C22	126
	5.3	6869	1.4	6.4	5678	1.7	273.778	GFL14-3M □□□112C22	126

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# GFL shaft-mounted helical gearboxes

Technical data



## Selection tables

50 Hz, 60 Hz:  $P_N = 4.0 \text{ kW}$

$n_N$	1455 r/min			1760 r/min			i		
	50 Hz			60 Hz					
$f_N$	$n_2$ [r/min]	$M_2$ [Nm]	c	$n_2$ [r/min]	$M_2$ [Nm]	c			
	4.4	8341	1.3	5.3	6895	1.5	332.444	GFL14-3M □□□112C22	126
	4.1	8852	1.2	5.0	7318	1.4	352.811	GFL14-3M □□□112C22	126
	3.7	9974	1.2	4.4	8245	1.4	397.533	GFL14-3M □□□112C22	126
	3.4	10794	1.0	4.1	8923	1.2	430.222	GFL14-3M □□□112C22	126
	2.8	13100	0.8	3.4	10830	1.0	522.133	GFL14-3M □□□112C22	126

# GFL shaft-mounted helical gearboxes

Technical data



## Selection tables

50 Hz, 60 Hz:  $P_N = 5.5 \text{ kW}$

$n_N$	1470 r/min			1775 r/min			i		
	50 Hz			60 Hz					
	$n_2$ [r/min]	$M_2$ [Nm]	c	$n_2$ [r/min]	$M_2$ [Nm]	c			
	400	127	2.7	482	106	3.0	3.675	GFL06-2M □□□132C12	110
	317	161	4.1	381	133	4.6	4.643	GFL07-2M □□□132C12	110
	282	181	2.3	340	150	2.7	5.211	GFL06-2M □□□132C12	110
	256	199	2.2	308	165	2.5	5.750	GFL06-2M □□□132C12	110
	230	222	3.0	277	184	3.4	6.400	GFL07-2M □□□132C12	110
	228	224	1.6	274	185	1.8	6.450	GFL06-2M □□□132C12	110
	206	248	1.7	248	205	2.0	7.147	GFL06-2M □□□132C12	110
	175	291	2.1	211	241	2.4	8.400	GFL06-2M □□□132C12	110
	157	325	3.1	189	269	3.5	9.379	GFL07-2M □□□132C12	110
	155	328	1.8	187	272	2.0	9.463	GFL06-2M □□□132C12	110
	151	337	2.9	182	279	3.3	9.714	GFL07-2M □□□132C12	110
	146	350	1.3	175	290	1.5	10.092	GFL06-2M □□□132C12	110
	128	399	1.6	154	331	1.8	11.520	GFL06-2M □□□132C12	110
	127	400	2.7	154	331	3.1	11.537	GFL07-2M □□□132C12	110
	113	450	1.3	136	373	1.5	12.978	GFL06-2M □□□132C12	110
	113	451	2.4	136	373	2.8	13.000	GFL07-2M □□□132C12	110
	104	492	2.3	125	408	2.7	14.200	GFL07-2M □□□132C12	110
	100	511	1.3	120	423	1.4	14.743	GFL06-2M □□□132C12	110
	92	551	2.1	111	457	2.4	15.904	GFL07-2M □□□132C12	110
	91	559	1.1	110	463	1.3	16.128	GFL06-2M □□□132C12	110
	82	621	1.9	99	514	2.2	17.920	GFL07-2M □□□132C12	110
	81	630	1.0	97	522	1.1	18.169	GFL06-2M □□□132C12	110
	73	703	1.8	87	582	2.0	20.286	GFL07-2M □□□132C12	110
	72	713	0.9	86	591	1.0	20.571	GFL06-2M □□□132C12	110
	64	792	1.6	77	656	1.8	22.857	GFL07-2M □□□132C12	110
	59	861	1.6	71	713	1.9	24.850	GFL07-2M □□□132C12	110
	54	942	2.9	65	780	3.5	27.173	GFL09-2M □□□132C12	110
	53	971	1.3	63	804	1.5	28.000	GFL07-2M □□□132C12	110
	45	1121	1.2	55	929	1.5	32.344	GFL07-2M □□□132C12	110
	45	1132	2.6	54	938	3.2	32.667	GFL09-2M □□□132C12	110
	40	1263	1.0	49	1046	1.2	36.444	GFL07-2M □□□132C12	110
	40	1276	2.4	48	1057	2.9	36.815	GFL09-2M □□□132C12	110
	37	1375	2.3	45	1139	2.7	39.667	GFL09-2M □□□132C12	110
	33	1550	2.0	40	1283	2.4	44.704	GFL09-2M □□□132C12	110
	32	1571	3.1	39	1301	3.8	45.333	GFL11-2M □□□132C12	110
	28	1805	2.9	34	1495	3.5	52.067	GFL11-2M □□□132C12	110
	25	2034	2.6	30	1684	3.1	58.667	GFL11-2M □□□132C12	110
	23	2190	2.5	28	1814	3.1	63.190	GFL11-2M □□□132C12	110
	23	2195	2.6	28	1818	3.1	64.296	GFL14-3M □□□132C12	126
	23	2230	1.3	27	1847	1.6	65.306	GFL11-3M □□□132C12	126

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# GFL shaft-mounted helical gearboxes

Technical data



## Selection tables

50 Hz, 60 Hz: P<sub>N</sub> = 5.5 kW

n <sub>N</sub>	1470 r/min			1775 r/min			i		
	50 Hz			60 Hz					
	f <sub>N</sub>	n <sub>2</sub> [r/min]	M <sub>2</sub> [Nm]	c	n <sub>2</sub> [r/min]	M <sub>2</sub> [Nm]			
	21	2346	2.3	26	1943	2.8	68.708	GFL14-3M □□□132C12	126
	21	2468	2.3	25	2044	2.7	71.200	GFL11-2M □□□132C12	110
	20	2504	1.1	24	2074	1.4	73.335	GFL11-3M □□□132C12	126
	19	2643	2.3	23	2189	2.8	77.418	GFL14-3M □□□132C12	126
	18	2769	2.5	22	2293	3.1	79.875	GFL14-2M □□□132C12	110
	18	2821	1.1	21	2337	1.4	82.631	GFL11-3M □□□132C12	126
	17	2904	2.2	21	2405	2.6	85.037	GFL14-3M □□□132C12	126
	16	3120	2.5	20	2584	3.1	90.000	GFL14-2M □□□132C12	110
	16	3194	1.0	19	2645	1.2	93.540	GFL11-3M □□□132C12	126
	14	3581	1.9	17	2966	2.3	104.889	GFL14-3M □□□132C12	126
	14	3599	1.0	17	2980	1.2	105.397	GFL11-3M □□□132C12	126
	13	3897	1.7	16	3227	2.1	114.126	GFL14-3M □□□132C12	126
	13	3913	0.9	15	3240	1.1	114.586	GFL11-3M □□□132C12	126
	11	4391	1.7	14	3636	2.1	128.593	GFL14-3M □□□132C12	126
	11	4408	0.9	14	3651	1.1	129.111	GFL11-3M □□□132C12	126
	11	4674	1.6	13	3871	1.9	136.889	GFL14-3M □□□132C12	126
	9.4	5332	1.5	11	4416	1.9	156.148	GFL14-3M □□□132C12	126
	8.6	5807	1.4	10	4809	1.7	170.074	GFL14-3M □□□132C12	126
	6.5	7670	1.1	7.9	6352	1.4	224.636	GFL14-3M □□□132C12	126
	5.8	8642	1.1	7.0	7157	1.4	253.111	GFL14-3M □□□132C12	126
	5.4	9348	1.0	6.5	7742	1.3	273.778	GFL14-3M □□□132C12	126
	4.4	11351	0.9	5.3	9401	1.1	332.444	GFL14-3M □□□132C12	126

# GFL shaft-mounted helical gearboxes

Technical data



## Selection tables

50 Hz, 60 Hz:  $P_N = 7.5 \text{ kW}$

$n_N$	1460 r/min			1765 r/min			i		
	50 Hz			60 Hz					
	$n_2$ [r/min]	$M_2$ [Nm]	c	$n_2$ [r/min]	$M_2$ [Nm]	c			
	397	175	1.9	479	145	2.2	3.675	GFL06-2M□□□132C22	110
	315	221	3.0	379	183	3.4	4.643	GFL07-2M□□□132C22	110
	280	248	1.7	338	205	2.0	5.211	GFL06-2M□□□132C22	110
	254	274	1.6	306	226	1.8	5.750	GFL06-2M□□□132C22	110
	228	305	2.2	275	252	2.5	6.400	GFL07-2M□□□132C22	110
	226	307	1.1	273	254	1.3	6.450	GFL06-2M□□□132C22	110
	204	340	1.3	246	281	1.5	7.147	GFL06-2M□□□132C22	110
	204	340	2.7	246	281	3.1	7.150	GFL07-2M□□□132C22	110
	175	396	2.5	211	328	2.9	8.324	GFL07-2M□□□132C22	110
	174	400	1.5	210	331	1.7	8.400	GFL06-2M□□□132C22	110
	156	446	2.2	188	369	2.6	9.379	GFL07-2M□□□132C22	110
	154	450	1.3	186	373	1.5	9.463	GFL06-2M□□□132C22	110
	150	462	2.1	181	382	2.4	9.714	GFL07-2M□□□132C22	110
	145	480	1.0	174	397	1.1	10.092	GFL06-2M□□□132C22	110
	127	548	1.2	153	454	1.3	11.520	GFL06-2M□□□132C22	110
	127	549	2.0	153	454	2.3	11.537	GFL07-2M□□□132C22	110
	113	618	1.0	136	511	1.1	12.978	GFL06-2M□□□132C22	110
	112	619	1.8	135	512	2.0	13.000	GFL07-2M□□□132C22	110
	103	676	1.7	124	559	1.9	14.200	GFL07-2M□□□132C22	110
	99	702	0.9	119	580	1.0	14.743	GFL06-2M□□□132C22	110
	92	757	1.6	111	626	1.8	15.904	GFL07-2M□□□132C22	110
	91	768	0.8	109	635	1.0	16.128	GFL06-2M□□□132C22	110
	89	777	3.2	108	643	3.6	16.333	GFL09-2M□□□132C22	110
	82	853	1.4	98	706	1.6	17.920	GFL07-2M□□□132C22	110
	79	876	2.8	96	725	3.2	18.407	GFL09-2M□□□132C22	110
	74	936	2.7	90	774	3.1	19.667	GFL09-2M□□□132C22	110
	72	965	1.3	87	799	1.5	20.286	GFL07-2M□□□132C22	110
	66	1055	2.5	79	873	2.8	22.164	GFL09-2M□□□132C22	110
	64	1088	1.1	77	900	1.3	22.857	GFL07-2M□□□132C22	110
	61	1148	2.4	73	949	2.9	24.111	GFL09-2M□□□132C22	110
	59	1183	1.1	71	978	1.4	24.850	GFL07-2M□□□132C22	110
	54	1293	2.1	65	1070	2.6	27.173	GFL09-2M□□□132C22	110
	52	1333	0.9	63	1102	1.1	28.000	GFL07-2M□□□132C22	110
	52	1333	3.2	63	1102	3.9	28.000	GFL11-2M□□□132C22	110
	45	1539	0.9	55	1273	1.1	32.344	GFL07-2M□□□132C22	110
	45	1555	1.9	54	1286	2.3	32.667	GFL09-2M□□□132C22	110
	45	1558	3.0	54	1289	3.6	32.739	GFL11-2M□□□132C22	110
	40	1752	1.7	48	1449	2.1	36.815	GFL09-2M□□□132C22	110
	40	1756	2.6	48	1452	3.2	36.889	GFL11-2M□□□132C22	110
	37	1888	1.6	44	1562	2.0	39.667	GFL09-2M□□□132C22	110

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# GFL shaft-mounted helical gearboxes

Technical data



## Selection tables

50 Hz, 60 Hz: P<sub>N</sub> = 7.5 kW

n <sub>N</sub>	1460 r/min			1765 r/min			i	GFL	132C22	
	50 Hz			60 Hz						
	f <sub>N</sub>	n <sub>2</sub> [r/min]	M <sub>2</sub> [Nm]	c	n <sub>2</sub> [r/min]	M <sub>2</sub> [Nm]				
	36	1915	2.5	44	1584	3.1	40.233	GFL11-2M	110	
	33	2128	1.4	39	1760	1.7	44.704	GFL09-2M	110	
	32	2158	2.3	39	1785	2.7	45.333	GFL11-2M	110	
	28	2478	2.1	34	2050	2.6	52.067	GFL11-2M	110	
	28	2478	3.1	34	2050	3.7	52.067	GFL14-2M	110	
	25	2792	1.9	30	2310	2.3	58.667	GFL11-2M	110	
	25	2792	3.1	30	2310	3.7	58.667	GFL14-2M	110	
	23	3007	1.8	28	2488	2.2	63.190	GFL11-2M	110	
	23	3007	2.6	28	2488	3.1	63.190	GFL14-2M	110	
	23	3014	1.9	27	2493	2.2	64.296	GFL14-3M	126	
	22	3062	0.9	27	2533	1.1	65.306	GFL11-3M	126	
	21	3221	1.7	26	2664	2.0	68.708	GFL14-3M	126	
	21	3389	1.6	25	2803	2.0	71.200	GFL11-2M	110	
	21	3389	2.6	25	2803	3.1	71.200	GFL14-2M	110	
	20	3438	0.8	24	2844	1.0	73.335	GFL11-3M	126	
	19	3629	1.7	23	3002	2.0	77.418	GFL14-3M	126	
	18	3802	1.8	22	3145	2.2	79.875	GFL14-2M	110	
	18	3874	0.8	21	3204	1.0	82.631	GFL11-3M	126	
	17	3987	1.6	21	3298	1.9	85.037	GFL14-3M	126	
	16	4283	1.8	20	3543	2.2	90.000	GFL14-2M	110	
	14	4917	1.4	17	4067	1.7	104.889	GFL14-3M	126	
	13	5350	1.3	15	4426	1.5	114.126	GFL14-3M	126	
	11	6028	1.3	14	4987	1.5	128.593	GFL14-3M	126	
	11	6417	1.1	13	5308	1.4	136.889	GFL14-3M	126	
	9.4	7320	1.1	11	6055	1.4	156.148	GFL14-3M	126	
	8.6	7973	1.1	10	6595	1.3	170.074	GFL14-3M	126	
	6.5	10531	0.8	7.8	8711	1.0	224.636	GFL14-3M	126	
	5.8	11866	0.8	7.0	9815	1.0	253.111	GFL14-3M	126	

# GFL shaft-mounted helical gearboxes

Technical data



## Selection tables

50 Hz, 60 Hz:  $P_N = 11.0 \text{ kW}$

$n_N$	1470 r/min			1775 r/min			i		
	50 Hz			60 Hz					
	$n_2$ [r/min]	$M_2$ [Nm]	c	$n_2$ [r/min]	$M_2$ [Nm]	c			
	439	232	2.8	528	192	3.1	3.350	GFL07-2M □□□160C22	110
	317	322	2.0	381	267	2.3	4.643	GFL07-2M □□□160C22	110
	285	358	2.4	343	296	2.7	5.159	GFL07-2M □□□160C22	110
	258	395	2.3	311	327	2.6	5.695	GFL07-2M □□□160C22	110
	230	444	1.5	277	367	1.7	6.400	GFL07-2M □□□160C22	110
	206	496	1.9	248	411	2.1	7.150	GFL07-2M □□□160C22	110
	177	577	1.7	213	478	2.0	8.324	GFL07-2M □□□160C22	110
	157	650	1.5	189	539	1.8	9.379	GFL07-2M □□□160C22	110
	151	673	1.4	182	558	1.6	9.714	GFL07-2M □□□160C22	110
	132	774	3.0	159	641	3.4	11.167	GFL09-2M □□□160C22	110
	127	800	1.4	154	662	1.5	11.537	GFL07-2M □□□160C22	110
	119	853	2.6	144	707	3.0	12.307	GFL09-2M □□□160C22	110
	113	901	1.2	136	746	1.4	13.000	GFL07-2M □□□160C22	110
	104	984	1.2	125	815	1.3	14.200	GFL07-2M □□□160C22	110
	103	994	2.4	124	823	2.7	14.333	GFL09-2M □□□160C22	110
	92	1103	1.1	111	913	1.2	15.904	GFL07-2M □□□160C22	110
	90	1132	2.2	108	938	2.5	16.333	GFL09-2M □□□160C22	110
	82	1242	1.0	99	1029	1.1	17.920	GFL07-2M □□□160C22	110
	82	1242	3.0	99	1029	3.5	17.920	GFL11-2M □□□160C22	110
	80	1276	1.9	96	1057	2.2	18.407	GFL09-2M □□□160C22	110
	75	1363	1.9	90	1129	2.1	19.667	GFL09-2M □□□160C22	110
	73	1406	2.9	87	1165	3.3	20.286	GFL11-2M □□□160C22	110
	66	1537	1.7	80	1273	1.9	22.164	GFL09-2M □□□160C22	110
	64	1585	2.5	77	1312	2.9	22.857	GFL11-2M □□□160C22	110
	61	1672	1.6	73	1384	2.0	24.111	GFL09-2M □□□160C22	110
	59	1723	2.5	71	1427	3.0	24.850	GFL11-2M □□□160C22	110
	54	1884	1.5	65	1560	1.8	27.173	GFL09-2M □□□160C22	110
	53	1941	2.2	63	1608	2.7	28.000	GFL11-2M □□□160C22	110
	45	2270	2.0	54	1880	2.4	32.739	GFL11-2M □□□160C22	110
	40	2557	1.8	48	2118	2.2	36.889	GFL11-2M □□□160C22	110
	37	2789	1.8	44	2310	2.1	40.233	GFL11-2M □□□160C22	110
	32	3143	1.6	39	2603	1.9	45.333	GFL11-2M □□□160C22	110
	28	3610	2.8	34	2989	3.4	52.067	GFL14-2M □□□160C22	110
	25	4067	2.8	30	3368	3.4	58.667	GFL14-2M □□□160C22	110
	23	4381	2.3	28	3628	2.7	63.190	GFL14-2M □□□160C22	110
	23	4391	1.3	28	3636	1.5	64.296	GFL14-3M □□□160C22	126
	21	4692	1.2	26	3886	1.4	68.708	GFL14-3M □□□160C22	126
	21	4936	2.2	25	4088	2.6	71.200	GFL14-2M □□□160C22	110
	19	5287	1.2	23	4378	1.4	77.418	GFL14-3M □□□160C22	126
	17	5807	1.1	21	4809	1.3	85.037	GFL14-3M □□□160C22	126

6.6

# GFL shaft-mounted helical gearboxes

Technical data



## Selection tables

50 Hz, 60 Hz: P<sub>N</sub> = 15.0 kW

n <sub>N</sub>	1470 r/min			1775 r/min			i	GFL	110
	50 Hz			60 Hz					
	n <sub>2</sub> [r/min]	M <sub>2</sub> [Nm]	c	n <sub>2</sub> [r/min]	M <sub>2</sub> [Nm]	c			
	439	317	2.0	528	262	2.3	3.350	GFL07-2M □□□160C32	110
	317	439	1.5	381	364	1.7	4.643	GFL07-2M □□□160C32	110
	285	488	1.7	343	404	2.0	5.159	GFL07-2M □□□160C32	110
	258	538	1.7	311	446	1.9	5.695	GFL07-2M □□□160C32	110
	230	605	1.1	277	501	1.2	6.400	GFL07-2M □□□160C32	110
	214	649	3.2	258	537	3.7	6.864	GFL09-2M □□□160C32	110
	206	676	1.4	248	560	1.6	7.150	GFL07-2M □□□160C32	110
	197	706	3.1	237	585	3.5	7.466	GFL09-2M □□□160C32	110
	177	787	1.3	213	652	1.4	8.324	GFL07-2M □□□160C32	110
	163	852	2.6	197	705	3.0	9.010	GFL09-2M □□□160C32	110
	157	887	1.1	189	734	1.3	9.379	GFL07-2M □□□160C32	110
	151	918	1.1	182	761	1.2	9.714	GFL07-2M □□□160C32	110
	150	926	2.5	181	767	2.8	9.799	GFL09-2M □□□160C32	110
	132	1056	2.2	159	874	2.5	11.167	GFL09-2M □□□160C32	110
	127	1091	1.0	154	903	1.1	11.537	GFL07-2M □□□160C32	110
	119	1163	1.9	144	964	2.2	12.307	GFL09-2M □□□160C32	110
	118	1180	2.9	142	977	3.4	12.480	GFL11-2M □□□160C32	110
	113	1229	0.9	136	1018	1.0	13.000	GFL07-2M □□□160C32	110
	104	1342	0.9	125	1112	1.0	14.200	GFL07-2M □□□160C32	110
	103	1355	1.8	124	1122	2.0	14.333	GFL09-2M □□□160C32	110
	101	1374	2.7	122	1138	3.1	14.538	GFL11-2M □□□160C32	110
	92	1504	2.5	111	1245	2.9	15.904	GFL11-2M □□□160C32	110
	90	1544	1.6	108	1279	1.8	16.333	GFL09-2M □□□160C32	110
	82	1694	2.2	99	1403	2.6	17.920	GFL11-2M □□□160C32	110
	80	1740	1.4	96	1441	1.6	18.407	GFL09-2M □□□160C32	110
	75	1859	1.4	90	1540	1.6	19.667	GFL09-2M □□□160C32	110
	73	1918	2.1	87	1588	2.4	20.286	GFL11-2M □□□160C32	110
	66	2095	1.2	80	1735	1.4	22.164	GFL09-2M □□□160C32	110
	64	2161	1.9	77	1790	2.1	22.857	GFL11-2M □□□160C32	110
	61	2279	1.2	73	1888	1.4	24.111	GFL09-2M □□□160C32	110
	59	2349	1.8	71	1946	2.2	24.850	GFL11-2M □□□160C32	110
	54	2569	1.1	65	2128	1.3	27.173	GFL09-2M □□□160C32	110
	53	2647	1.6	63	2192	1.9	28.000	GFL11-2M □□□160C32	110
	45	3058	3.1	55	2532	3.7	32.344	GFL14-2M □□□160C32	110
	45	3095	1.5	54	2563	1.8	32.739	GFL11-2M □□□160C32	110
	40	3445	3.1	49	2853	3.7	36.444	GFL14-2M □□□160C32	110
	40	3487	1.3	48	2888	1.6	36.889	GFL11-2M □□□160C32	110
	37	3748	2.6	45	3104	3.1	39.642	GFL14-2M □□□160C32	110
	37	3804	1.3	44	3150	1.5	40.233	GFL11-2M □□□160C32	110
	33	4223	2.6	40	3497	3.1	44.667	GFL14-2M □□□160C32	110

# GFL shaft-mounted helical gearboxes

Technical data



## Selection tables

50 Hz, 60 Hz:  $P_N = 15.0 \text{ kW}$

$n_N$	1470 r/min			1775 r/min			i		
	50 Hz			60 Hz					
	$n_2$ [r/min]	$M_2$ [Nm]	c	$n_2$ [r/min]	$M_2$ [Nm]	c			
	32	4286	1.1	39	3549	1.4	45.333	GFL11-2M □□□160C32	110
	28	4922	2.0	34	4077	2.5	52.067	GFL14-2M □□□160C32	110
	25	5546	2.0	30	4593	2.5	58.667	GFL14-2M □□□160C32	110
	23	5974	1.7	28	4947	2.0	63.190	GFL14-2M □□□160C32	110
	23	5987	0.9	28	4959	1.1	64.296	GFL14-3M □□□160C32	126
	21	6398	0.8	26	5299	1.0	68.708	GFL14-3M □□□160C32	126
	21	6731	1.6	25	5575	1.9	71.200	GFL14-2M □□□160C32	110
	19	7209	0.8	23	5971	1.0	77.418	GFL14-3M □□□160C32	126

# GFL shaft-mounted helical gearboxes

Technical data



## Selection tables

50 Hz, 60 Hz:  $P_N = 18.5 \text{ kW}$

$n_N$	1475 r/min			1775 r/min			i		
	50 Hz			60 Hz					
	$n_2$ [r/min]	$M_2$ [Nm]	c	$n_2$ [r/min]	$M_2$ [Nm]	c			
	215	798	2.6	259	663	3.0	6.864	GFL09-2M □□□180C12	110
	198	868	2.5	238	721	2.8	7.466	GFL09-2M □□□180C12	110
	164	1047	2.1	197	870	2.4	9.010	GFL09-2M □□□180C12	110
	151	1139	2.0	181	946	2.3	9.799	GFL09-2M □□□180C12	110
	138	1246	3.1	166	1035	3.5	10.720	GFL11-2M □□□180C12	110
	132	1298	1.8	159	1078	2.0	11.167	GFL09-2M □□□180C12	110
	120	1430	1.6	144	1188	1.8	12.307	GFL09-2M □□□180C12	110
	118	1450	2.4	142	1205	2.7	12.480	GFL11-2M □□□180C12	110
	103	1666	1.4	124	1384	1.6	14.333	GFL09-2M □□□180C12	110
	102	1689	2.2	122	1404	2.5	14.538	GFL11-2M □□□180C12	110
	93	1848	2.1	112	1536	2.3	15.904	GFL11-2M □□□180C12	110
	90	1898	1.3	109	1577	1.5	16.333	GFL09-2M □□□180C12	110
	82	2082	1.8	99	1730	2.1	17.920	GFL11-2M □□□180C12	110
	80	2139	1.2	96	1778	1.3	18.407	GFL09-2M □□□180C12	110
	75	2285	1.1	90	1899	1.3	19.667	GFL09-2M □□□180C12	110
	73	2357	1.7	88	1959	2.0	20.286	GFL11-2M □□□180C12	110
	67	2576	1.0	80	2140	1.2	22.164	GFL09-2M □□□180C12	110
	65	2656	1.5	78	2207	1.7	22.857	GFL11-2M □□□180C12	110
	61	2802	1.0	74	2328	1.2	24.111	GFL09-2M □□□180C12	110
	60	2842	3.1	73	2362	3.8	24.456	GFL14-2M □□□180C12	110
	59	2888	1.5	71	2400	1.8	24.850	GFL11-2M □□□180C12	110
	54	3158	0.9	65	2624	1.1	27.173	GFL09-2M □□□180C12	110
	54	3202	3.1	64	2661	3.8	27.556	GFL14-2M □□□180C12	110
	53	3254	1.3	63	2704	1.6	28.000	GFL11-2M □□□180C12	110
	46	3759	2.5	55	3123	3.0	32.344	GFL14-2M □□□180C12	110
	45	3804	1.2	54	3161	1.5	32.739	GFL11-2M □□□180C12	110
	41	4235	2.5	49	3519	3.0	36.444	GFL14-2M □□□180C12	110
	40	4287	1.1	48	3562	1.3	36.889	GFL11-2M □□□180C12	110
	37	4607	2.1	45	3828	2.6	39.642	GFL14-2M □□□180C12	110
	37	4675	1.0	44	3885	1.3	40.233	GFL11-2M □□□180C12	110
	33	5190	2.1	40	4313	2.6	44.667	GFL14-2M □□□180C12	110
	33	5268	0.9	39	4378	1.1	45.333	GFL11-2M □□□180C12	110
	28	6050	1.7	34	5028	2.0	52.067	GFL14-2M □□□180C12	110
	25	6817	1.7	30	5665	2.0	58.667	GFL14-2M □□□180C12	110
	23	7343	1.4	28	6102	1.6	63.190	GFL14-2M □□□180C12	110
	21	8274	1.3	25	6875	1.5	71.200	GFL14-2M □□□180C12	110

# GFL shaft-mounted helical gearboxes

Technical data



## Selection tables

50 Hz, 60 Hz: P<sub>N</sub> = 22.0 kW

n <sub>N</sub>	1470 r/min			1775 r/min			i	GFL	180C32	110
	50 Hz			60 Hz						
	n <sub>2</sub> [r/min]	M <sub>2</sub> [Nm]	c	n <sub>2</sub> [r/min]	M <sub>2</sub> [Nm]	c				
	214	952	2.2	258	788	2.5	6.864	GFL09-2M	180C32	110
	214	952	3.1	258	788	3.5	6.864	GFL11-2M	180C32	110
	197	1035	2.1	237	857	2.4	7.466	GFL09-2M	180C32	110
	197	1035	3.1	237	857	3.5	7.466	GFL11-2M	180C32	110
	167	1220	3.2	201	1011	3.6	8.800	GFL14-2M	180C32	110
	163	1249	1.8	197	1035	2.0	9.010	GFL09-2M	180C32	110
	163	1249	2.9	197	1035	3.3	9.010	GFL11-2M	180C32	110
	154	1327	3.2	185	1099	3.6	9.571	GFL14-2M	180C32	110
	150	1359	1.7	181	1125	1.9	9.799	GFL09-2M	180C32	110
	150	1359	2.8	181	1125	3.2	9.799	GFL11-2M	180C32	110
	137	1486	2.6	165	1231	2.9	10.720	GFL11-2M	180C32	110
	132	1548	1.5	159	1282	1.7	11.167	GFL09-2M	180C32	110
	119	1706	1.3	144	1413	1.5	12.307	GFL09-2M	180C32	110
	118	1730	2.0	142	1433	2.3	12.480	GFL11-2M	180C32	110
	104	1969	3.2	125	1631	3.6	14.200	GFL14-2M	180C32	110
	103	1987	1.2	124	1646	1.4	14.333	GFL09-2M	180C32	110
	101	2016	1.8	122	1669	2.1	14.538	GFL11-2M	180C32	110
	94	2166	3.1	113	1794	3.5	15.620	GFL14-2M	180C32	110
	92	2205	1.7	111	1826	2.0	15.904	GFL11-2M	180C32	110
	90	2265	1.1	108	1876	1.2	16.333	GFL09-2M	180C32	110
	84	2440	3.1	101	2021	3.5	17.600	GFL14-2M	180C32	110
	82	2485	1.5	99	2058	1.7	17.920	GFL11-2M	180C32	110
	80	2552	1.0	96	2114	1.1	18.407	GFL09-2M	180C32	110
	75	2727	0.9	90	2258	1.1	19.667	GFL09-2M	180C32	110
	74	2766	2.9	89	2291	3.3	19.948	GFL14-2M	180C32	110
	73	2813	1.4	87	2329	1.6	20.286	GFL11-2M	180C32	110
	66	3073	0.8	80	2545	1.0	22.164	GFL09-2M	180C32	110
	65	3117	2.9	79	2581	3.3	22.476	GFL14-2M	180C32	110
	64	3169	1.3	77	2625	1.5	22.857	GFL11-2M	180C32	110
	61	3343	0.8	73	2769	1.0	24.111	GFL09-2M	180C32	110
	60	3391	2.6	72	2808	3.2	24.456	GFL14-2M	180C32	110
	59	3446	1.2	71	2854	1.5	24.850	GFL11-2M	180C32	110
	53	3821	2.6	64	3164	3.2	27.556	GFL14-2M	180C32	110
	53	3882	1.1	63	3215	1.3	28.000	GFL11-2M	180C32	110
	45	4485	2.1	55	3714	2.5	32.344	GFL14-2M	180C32	110
	45	4540	1.0	54	3760	1.2	32.739	GFL11-2M	180C32	110
	40	5053	2.1	49	4185	2.5	36.444	GFL14-2M	180C32	110
	40	5115	0.9	48	4236	1.1	36.889	GFL11-2M	180C32	110
	37	5497	1.8	45	4552	2.1	39.642	GFL14-2M	180C32	110
	37	5579	0.9	44	4620	1.1	40.233	GFL11-2M	180C32	110

6.6

# GFL shaft-mounted helical gearboxes

Technical data



## Selection tables

50 Hz, 60 Hz:  $P_N = 22.0 \text{ kW}$

$n_N$	1470 r/min			1775 r/min			i		
	50 Hz			60 Hz					
$f_N$	$n_2$ [r/min]	$M_2$ [Nm]	c	$n_2$ [r/min]	$M_2$ [Nm]	c			
	33	6193	1.8	40	5129	2.1	44.667	GFL14-2M □□□180C32	110
	28	7220	1.4	34	5979	1.7	52.067	GFL14-2M □□□180C32	110
	25	8135	1.4	30	6737	1.7	58.667	GFL14-2M □□□180C32	110
	23	8762	1.1	28	7256	1.4	63.190	GFL14-2M □□□180C32	110
	21	9873	1.1	25	8176	1.3	71.200	GFL14-2M □□□180C32	110

# GFL shaft-mounted helical gearboxes

Technical data



## Selection tables

50 Hz, 60 Hz: P<sub>N</sub> = 30.0 kW

n <sub>N</sub>	1465 r/min			1770 r/min			i		
	50 Hz			60 Hz					
	n <sub>2</sub> [r/min]	M <sub>2</sub> [Nm]	c	n <sub>2</sub> [r/min]	M <sub>2</sub> [Nm]	c			
	213	1302	1.6	257	1078	1.8	6.864	GFL09-2M □□□180C42	110
	213	1302	2.3	257	1078	2.6	6.864	GFL11-2M □□□180C42	110
	196	1416	1.5	236	1172	1.7	7.466	GFL09-2M □□□180C42	110
	196	1416	2.3	236	1172	2.6	7.466	GFL11-2M □□□180C42	110
	167	1670	2.3	201	1382	2.6	8.800	GFL14-2M □□□180C42	110
	163	1709	1.3	196	1415	1.5	9.010	GFL09-2M □□□180C42	110
	163	1709	2.1	196	1415	2.4	9.010	GFL11-2M □□□180C42	110
	153	1816	2.3	184	1503	2.6	9.571	GFL14-2M □□□180C42	110
	150	1859	1.2	180	1539	1.4	9.799	GFL09-2M □□□180C42	110
	150	1859	2.0	180	1539	2.3	9.799	GFL11-2M □□□180C42	110
	137	2034	1.9	165	1683	2.1	10.720	GFL11-2M □□□180C42	110
	131	2119	1.1	158	1754	1.2	11.167	GFL09-2M □□□180C42	110
	119	2335	1.0	143	1933	1.1	12.307	GFL09-2M □□□180C42	110
	117	2368	1.5	141	1960	1.7	12.480	GFL11-2M □□□180C42	110
	103	2694	2.3	124	2230	2.6	14.200	GFL14-2M □□□180C42	110
	102	2719	0.9	123	2251	1.0	14.333	GFL09-2M □□□180C42	110
	101	2758	1.3	121	2283	1.5	14.538	GFL11-2M □□□180C42	110
	94	2964	2.3	113	2453	2.6	15.620	GFL14-2M □□□180C42	110
	92	3017	1.3	111	2497	1.4	15.904	GFL11-2M □□□180C42	110
	83	3339	2.3	100	2764	2.6	17.600	GFL14-2M □□□180C42	110
	82	3400	1.1	99	2814	1.3	17.920	GFL11-2M □□□180C42	110
	73	3785	2.1	89	3132	2.4	19.948	GFL14-2M □□□180C42	110
	72	3849	1.1	87	3186	1.2	20.286	GFL11-2M □□□180C42	110
	65	4264	2.1	79	3530	2.4	22.476	GFL14-2M □□□180C42	110
	64	4337	0.9	77	3589	1.1	22.857	GFL11-2M □□□180C42	110
	60	4640	1.9	72	3840	2.3	24.456	GFL14-2M □□□180C42	110
	59	4715	0.9	71	3902	1.1	24.850	GFL11-2M □□□180C42	110
	53	5228	1.9	64	4327	2.3	27.556	GFL14-2M □□□180C42	110
	52	5312	0.8	63	4397	1.0	28.000	GFL11-2M □□□180C42	110
	45	6137	1.5	55	5079	1.8	32.344	GFL14-2M □□□180C42	110
	40	6914	1.5	48	5723	1.8	36.444	GFL14-2M □□□180C42	110
	37	7521	1.3	45	6225	1.6	39.642	GFL14-2M □□□180C42	110
	33	8474	1.3	40	7014	1.6	44.667	GFL14-2M □□□180C42	110
	28	9878	1.0	34	8176	1.2	52.067	GFL14-2M □□□180C42	110
	25	11131	1.0	30	9213	1.2	58.667	GFL14-2M □□□180C42	110
	23	11989	0.8	28	9923	1.0	63.190	GFL14-2M □□□180C42	110

6.6

# GFL shaft-mounted helical gearboxes

Technical data



## Selection tables

50 Hz, 60 Hz: P<sub>N</sub> = 37.0 kW

n <sub>N</sub>	1483 r/min			1787 r/min			i	GFL	110
	50 Hz			60 Hz					
	n <sub>2</sub> [r/min]	M <sub>2</sub> [Nm]	c	n <sub>2</sub> [r/min]	M <sub>2</sub> [Nm]	c			
	216	1587	2.1	260	1317	2.4	6.864	GFL11-2M □□□225C12	110
	199	1726	2.0	239	1432	2.3	7.466	GFL11-2M □□□225C12	110
	169	2034	3.2	203	1688	3.6	8.800	GFL14-2M □□□225C12	110
	165	2083	1.8	198	1728	2.0	9.010	GFL11-2M □□□225C12	110
	155	2212	3.2	186	1836	3.6	9.571	GFL14-2M □□□225C12	110
	151	2265	1.7	182	1880	1.9	9.799	GFL11-2M □□□225C12	110
	138	2478	1.5	166	2056	1.8	10.720	GFL11-2M □□□225C12	110
	129	2667	3.1	155	2213	3.5	11.537	GFL14-2M □□□225C12	110
	119	2885	1.2	143	2394	1.4	12.480	GFL11-2M □□□225C12	110
	114	3005	2.8	137	2494	3.2	13.000	GFL14-2M □□□225C12	110
	104	3282	2.7	126	2724	3.1	14.200	GFL14-2M □□□225C12	110
	102	3361	1.1	123	2789	1.3	14.538	GFL11-2M □□□225C12	110
	95	3611	2.5	114	2996	2.9	15.620	GFL14-2M □□□225C12	110
	93	3676	1.0	112	3051	1.2	15.904	GFL11-2M □□□225C12	110
	84	4068	2.3	101	3376	2.6	17.600	GFL14-2M □□□225C12	110
	83	4142	0.9	100	3438	1.0	17.920	GFL11-2M □□□225C12	110
	74	4611	2.1	89	3827	2.4	19.948	GFL14-2M □□□225C12	110
	73	4689	0.9	88	3891	1.0	20.286	GFL11-2M □□□225C12	110
	66	5195	1.9	79	4312	2.2	22.476	GFL14-2M □□□225C12	110
	61	5653	1.8	73	4691	2.2	24.456	GFL14-2M □□□225C12	110
	54	6370	1.6	65	5286	2.0	27.556	GFL14-2M □□□225C12	110
	46	7477	1.5	55	6205	1.8	32.344	GFL14-2M □□□225C12	110
	41	8424	1.3	49	6991	1.6	36.444	GFL14-2M □□□225C12	110

# GFL shaft-mounted helical gearboxes

Technical data



## Selection tables

50 Hz, 60 Hz: P<sub>N</sub> = 45.0 kW

n <sub>N</sub>	1480 r/min			1784 r/min			i	GFL	110
	50 Hz			60 Hz					
	n <sub>2</sub> [r/min]	M <sub>2</sub> [Nm]	c	n <sub>2</sub> [r/min]	M <sub>2</sub> [Nm]	c			
	216	1934	1.7	259	1604	2.0	6.864	GFL11-2M □□□225C22	110
	207	2014	2.7	249	1671	3.1	7.150	GFL14-2M □□□225C22	110
	198	2103	1.7	238	1745	1.9	7.466	GFL11-2M □□□225C22	110
	190	2191	2.7	229	1817	3.1	7.777	GFL14-2M □□□225C22	110
	168	2479	2.6	202	2057	3.0	8.800	GFL14-2M □□□225C22	110
	164	2538	1.5	198	2106	1.7	9.010	GFL11-2M □□□225C22	110
	155	2696	2.6	186	2237	3.0	9.571	GFL14-2M □□□225C22	110
	151	2761	1.4	182	2290	1.6	9.799	GFL11-2M □□□225C22	110
	138	3020	1.3	166	2505	1.4	10.720	GFL11-2M □□□225C22	110
	128	3250	2.5	155	2696	2.9	11.537	GFL14-2M □□□225C22	110
	119	3516	1.0	143	2917	1.1	12.480	GFL11-2M □□□225C22	110
	114	3662	2.3	137	3038	2.6	13.000	GFL14-2M □□□225C22	110
	104	4000	2.2	125	3319	2.5	14.200	GFL14-2M □□□225C22	110
	102	4095	0.9	122	3398	1.0	14.538	GFL11-2M □□□225C22	110
	95	4400	2.1	114	3650	2.4	15.620	GFL14-2M □□□225C22	110
	93	4480	0.8	112	3717	1.0	15.904	GFL11-2M □□□225C22	110
	84	4958	1.9	101	4113	2.1	17.600	GFL14-2M □□□225C22	110
	74	5619	1.7	89	4662	2.0	19.948	GFL14-2M □□□225C22	110
	66	6332	1.6	79	5253	1.8	22.476	GFL14-2M □□□225C22	110
	61	6889	1.5	73	5715	1.8	24.456	GFL14-2M □□□225C22	110
	54	7763	1.4	65	6440	1.6	27.556	GFL14-2M □□□225C22	110
	46	9112	1.2	55	7559	1.5	32.344	GFL14-2M □□□225C22	110
	41	10267	1.1	49	8517	1.3	36.444	GFL14-2M □□□225C22	110