

g500-H rette tannhjulsmotorer

For nett- og omformermating (0,06 .. 0,55kW)

0,06 ... 0,55 kW (IE1)

0,75 ... 22 kW (IE3)

Katalogutdrag for grov utvelgelse av gearmotorer for nett- og omformermating opp til 0,55kW og nettmating fra 0,75 - 22kW.

Ta kontakt med Drivetek as www.dtc.no for detaljert utvelgelse og pristilbud.



g500-H helical geared motors



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g500-H helical geared motors

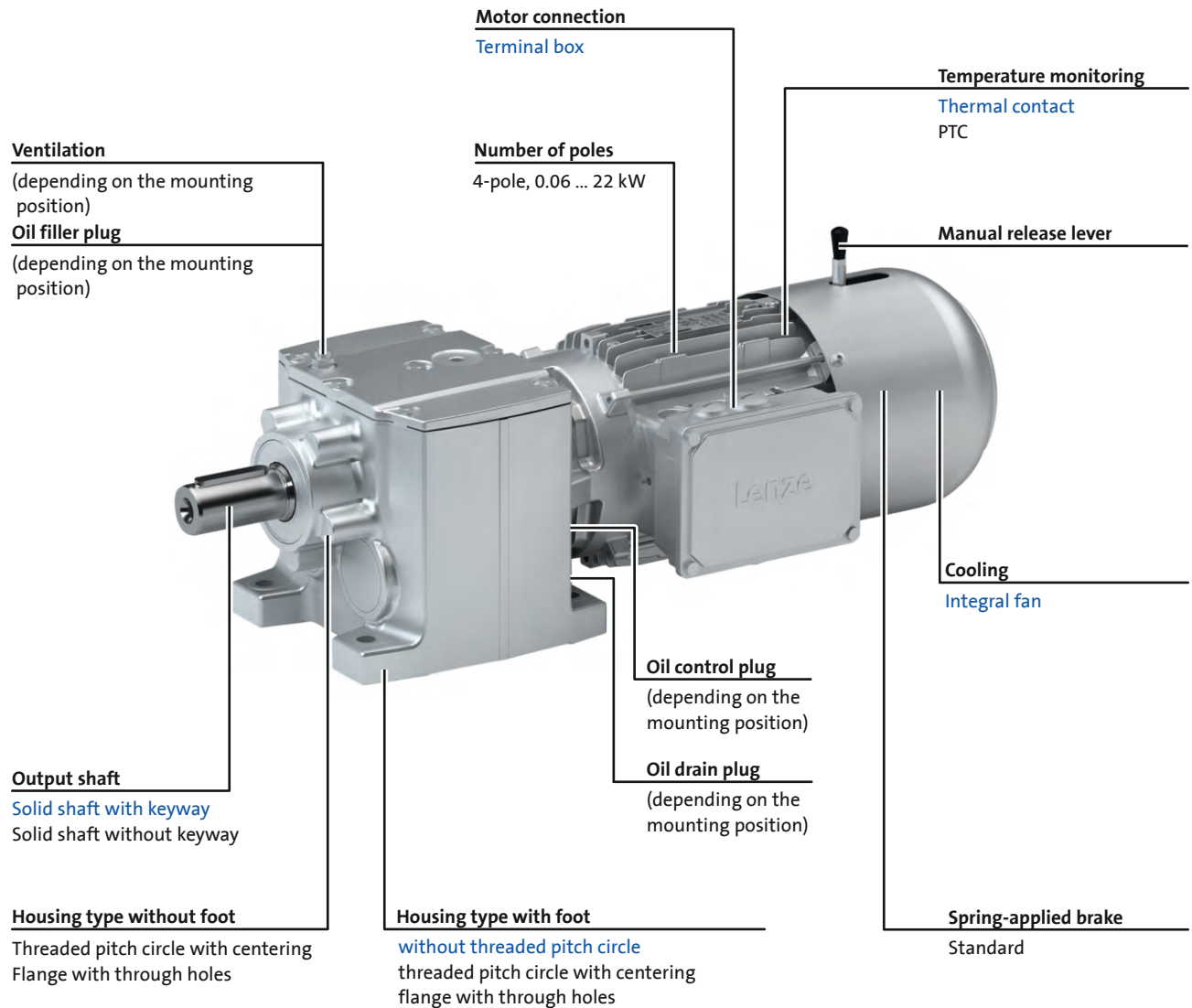
General information



Equipment

Overview

The equipment includes all the options available as standard and all the built-on accessories of the product.



Standard design

10 - Detailed information on housing type.



g500-H helical geared motors



Technical data

Selection tables, notes

The selection tables show the available combinations of gearbox type, number of stages, ratio and motor. They are used only to provide basic orientation.
The following legend indicates the structure of the selection tables.

Rated power P_{rated} of the drive motor depending on the rated frequency

↓

50 Hz: $P_N = 0.75$ kW

2-stage gearboxes ← Number of the gear stage of the gearbox

Mains operation 400 V, 50 Hz			i	Product		
n_2 [r/min]	M_2 [Nm]	c		g500	m2□□	
442	16	4.3	3.267	-H140	40-P80/M4	
430	16	3.8	3.354	-H100	40-P80/M4	

↑ ↑ ↑ ↑ ↑

Mains operation
Output speed n_2
Output torque M_2

Ratio i

Product Gearbox

Product Motor

Page number for dimensions

Load capacity c of the gearbox
c is the ratio between the permissible rated torque of the gearbox and the rated torque of the three-phase AC motor (converted to the driven shaft).
c must be always higher than the service factor k determined for the application k.

$$c = \frac{M_{2,zul}}{M_{1N} \cdot i \cdot \eta_{Getr}} > k$$

Motor voltages

At 50 Hz, the power and torque values indicated in the selection tables relate to the following motor voltages:

- Up to 3 kW: Δ 230 V / Y 400 V
- FROM 4 kW: Δ 400 V

g500-H helical geared motors

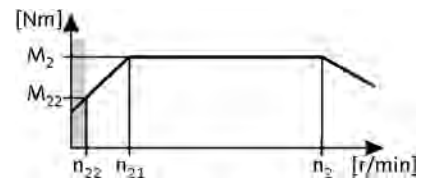


Technical data

Selection tables, 4-pole motors

50 Hz: $P_N = 0.06$ kW
 87 Hz: $P_N = 0.11$ kW

2-stage gearboxes



Mains operation 400 V, 50 Hz			Inverter operation										i	Product		
n_2 [r/min]	M_2 [Nm]	c	5 Hz -		- 20 Hz		- 50 Hz (1:10)			- 87 Hz (1:17.4)				g500	MD□MA□□	
n_2 [r/min]	M_2 [Nm]	c	n_{22} [r/min]	M_{22} [Nm]	n_{21} [r/min]	M_2 [Nm]	n_2 [r/min]	M_2 [Nm]	c	n_2 [r/min]	M_2 [Nm]	c				
75	7.0	5.7	7.6	7.4	32	7.0	75	7.0	5.7	133	8.0	5.2	19.013	-H45	063-02	
67	8.0	5.3	6.8	8.3	28	8.0	67	8.0	5.3	119	9.0	4.9	21.350	-H45	063-02	
58	10	4.7	5.9	9.6	24	10	58	10	4.7	103	10	4.3	24.595	-H45	063-02	
52	11	4.2	5.3	11	22	11	52	11	4.2	92	11	3.9	27.618	-H45	063-02	
45	12	3.6	4.5	13	19	12	45	12	3.6	79	13	3.3	32.000	-H45	063-02	
40	14	3.2	4.0	14	17	14	40	14	3.2	71	14	3.0	35.933	-H45	063-02	
34	16	2.8	3.5	16	15	16	34	16	2.8	61	17	2.6	41.455	-H45	063-02	
31	18	2.5	3.1	18	13	18	31	18	2.5	55	19	2.4	46.550	-H45	063-02	
27	21	2.2	2.7	21	11	21	27	21	2.2	48	21	2.1	52.909	-H45	063-02	
24	23	1.9	2.4	23	10	23	24	23	1.9	43	24	1.9	59.413	-H45	063-02	

g500-H helical geared motors

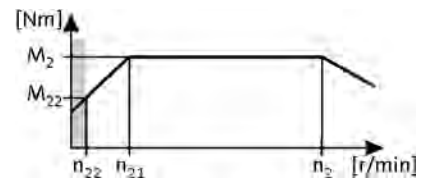
Technical data



Selection tables, 4-pole motors

50 Hz: $P_N = 0.09$ kW
87 Hz: $P_N = 0.16$ kW

2-stage gearboxes



Mains operation 400 V, 50 Hz			Inverter operation											i	Product		
n ₂ [r/min]	M ₂ [Nm]	c	5 Hz -		- 20 Hz		- 50 Hz (1:10)			- 87 Hz (1:17.4)			g500		MD□MA□□		
			n ₂₂ [r/min]	M ₂₂ [Nm]	n ₂₁ [r/min]	M ₂ [Nm]	n ₂ [r/min]	M ₂ [Nm]	c	n ₂ [r/min]	M ₂ [Nm]	c					
137	6.0	5.8	15	6.0	60	6.0	137	6.0	5.8	248	6.0	4.9	10.033	-H45	063-22		
120	7.0	5.1	13	6.8	53	7.0	120	7.0	5.1	217	7.0	4.3	11.429	-H45	063-22		
107	8.0	4.9	11	7.7	47	8.0	107	8.0	4.9	194	8.0	4.2	12.833	-H45	063-22		
93	9.0	4.3	9.8	8.9	40	9.0	93	9.0	4.3	168	9.0	3.7	14.836	-H45	063-22		
83	10	4.1	8.7	10	36	10	83	10	4.1	149	10	4.0	16.660	-H45	063-22		
72	12	3.6	7.6	11	32	11	72	12	3.6	131	11	3.6	19.013	-H45	063-22		
64	13	3.4	6.8	13	28	13	64	13	3.4	116	13	3.3	21.350	-H45	063-22		
56	15	3.0	5.9	15	24	15	56	15	3.0	101	15	3.0	24.595	-H45	063-22		
50	17	2.7	5.3	17	22	16	50	17	2.7	90	16	2.6	27.618	-H45	063-22		
43	19	2.3	4.5	19	19	19	43	19	2.3	78	19	2.3	32.000	-H45	063-22		
38	22	2.1	4.0	21	17	21	38	22	2.1	69	21	2.0	35.933	-H45	063-22		
33	25	1.8	3.5	25	15	25	33	25	1.8	60	25	1.8	41.455	-H45	063-22		
30	28	1.6	3.1	28	13	28	30	28	1.6	53	28	1.6	46.550	-H45	063-22		
26	32	1.4	2.7	32	11	32	26	32	1.4	47	32	1.4	52.909	-H45	063-22		
23	36	1.3	2.4	35	10	35	23	36	1.3	42	35	1.3	59.413	-H45	063-22		

g500-H helical geared motors

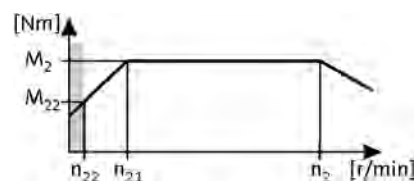


Technical data

Selection tables, 4-pole motors

50 Hz: $P_N = 0.12$ kW
 87 Hz: $P_N = 0.21$ kW

2-stage gearboxes



Mains operation 400 V, 50 Hz			Inverter operation										i	Product		
n_2 [r/min]	M_2 [Nm]	c	5 Hz -		- 20 Hz		- 50 Hz (1:10)			- 87 Hz (1:17.4)				g500	MD□MA□□	
n_2 [r/min]	M_2 [Nm]	c	n_{22} [r/min]	M_{22} [Nm]	n_{21} [r/min]	M_2 [Nm]	n_2 [r/min]	M_2 [Nm]	c	n_2 [r/min]	M_2 [Nm]	c				
204	5.0	5.5	21	4.2	86	5.0	204	5.0	5.5	363	5.0	4.7	6.982	-H45	063-12	
182	6.0	5.2	19	4.7	77	6.0	182	6.0	5.2	323	6.0	4.5	7.840	-H45	063-12	
160	7.0	4.7	16	5.4	67	7.0	160	7.0	4.7	284	7.0	4.0	8.935	-H45	063-12	
142	8.0	4.5	15	6.0	60	8.0	142	8.0	4.5	253	8.0	3.8	10.033	-H45	063-12	
125	9.0	3.9	13	6.9	53	9.0	125	9.0	3.9	222	9.0	3.4	11.429	-H45	063-12	
111	10	3.8	11	7.7	47	10	111	10	3.8	198	10	3.2	12.833	-H45	063-12	
96	12	3.4	9.8	8.9	40	11	96	12	3.4	171	11	2.9	14.836	-H45	063-12	
86	13	3.2	8.7	10	36	13	86	13	3.2	152	13	3.1	16.660	-H45	063-12	
75	15	2.8	7.6	11	32	15	75	15	2.8	133	15	2.8	19.013	-H45	063-12	
73	15	5.5	7.4	12	31	15	73	15	5.5	130	15	4.7	19.486	-H100	063-12	
67	17	2.6	6.8	13	28	16	67	17	2.6	119	16	2.6	21.350	-H45	063-12	
64	17	5.5	6.5	13	27	17	64	17	5.5	114	17	4.7	22.314	-H100	063-12	
58	19	2.4	5.9	15	24	19	58	19	2.4	103	19	2.3	24.595	-H45	063-12	
57	19	5.5	5.8	15	24	19	57	19	5.5	102	19	4.7	24.829	-H140	063-12	
57	20	4.6	5.8	15	24	19	57	20	4.6	101	19	3.9	25.095	-H100	063-12	
52	21	5.5	5.3	17	22	21	52	21	5.5	93	21	5.3	27.415	-H140	063-12	
52	22	2.1	5.3	17	22	21	52	22	2.1	92	21	2.0	27.618	-H45	063-12	
50	22	4.5	5.0	17	21	22	50	22	4.5	88	22	4.3	28.738	-H100	063-12	
45	25	4.0	4.6	19	19	24	45	25	4.0	80	24	3.9	31.805	-H100	063-12	
45	25	4.6	4.5	19	19	25	45	25	4.6	79	25	4.5	31.976	-H140	063-12	
45	25	1.8	4.5	19	19	25	45	25	1.8	79	25	1.8	32.000	-H45	063-12	
41	27	4.6	4.1	21	17	27	41	27	4.6	72	27	4.5	35.095	-H210	063-12	
40	28	4.6	4.1	21	17	27	40	28	4.6	72	27	4.5	35.308	-H140	063-12	
40	28	1.6	4.0	22	17	28	40	28	1.6	71	28	1.6	35.933	-H45	063-12	
39	28	3.5	4.0	22	17	28	39	28	3.5	70	28	3.4	36.422	-H100	063-12	
37	30	4.6	3.8	23	16	29	37	30	4.6	66	29	4.5	38.238	-H320	063-12	
36	31	4.6	3.7	24	15	30	36	31	4.6	65	30	4.5	39.286	-H210	063-12	
36	31	3.2	3.6	24	15	31	36	31	3.2	64	31	3.1	39.857	-H100	063-12	
35	32	4.0	3.6	24	15	31	35	32	4.0	63	31	4.1	40.526	-H140	063-12	
34	32	1.4	3.5	25	15	32	34	32	1.4	61	32	1.4	41.455	-H45	063-12	
34	33	4.0	3.4	26	14	33	34	33	4.0	60	33	4.1	42.593	-H210	063-12	
33	34	4.6	3.3	26	14	33	33	34	4.6	58	33	4.7	43.436	-H320	063-12	
32	35	4.0	3.2	27	13	34	32	35	4.0	57	34	4.1	44.748	-H140	063-12	
31	36	2.8	3.2	27	13	35	31	36	2.8	56	35	2.9	45.643	-H100	063-12	
31	36	4.0	3.1	28	13	36	31	36	4.0	55	36	4.1	46.407	-H320	063-12	

g500-H helical geared motors

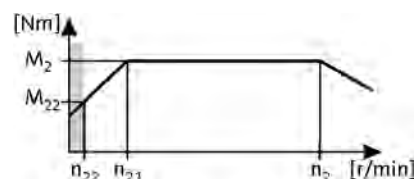


Technical data

Selection tables, 4-pole motors

50 Hz: $P_N = 0.12$ kW
 87 Hz: $P_N = 0.21$ kW

2-stage gearboxes



Mains operation 400 V, 50 Hz			Inverter operation										i	Product		
n ₂ [r/min]	M ₂ [Nm]	c	5 Hz -		- 20 Hz		- 50 Hz (1:10)			- 87 Hz (1:17.4)				g500	MD□MA□□	
			n ₂₂ [r/min]	M ₂₂ [Nm]	n ₂₁ [r/min]	M ₂ [Nm]	n ₂ [r/min]	M ₂ [Nm]	c	n ₂ [r/min]	M ₂ [Nm]	c	n ₂ [r/min]			M ₂ [Nm]
31	36	1.2	3.1	28	13	36	31	36	1.2	55	36	1.3	46.550	-H45	063-12	
30	37	4.0	3.0	29	13	37	30	37	4.0	53	37	4.1	47.679	-H210	063-12	
28	40	3.3	2.9	31	12	39	28	40	3.3	50	39	3.3	50.786	-H140	063-12	
27	41	1.7	2.8	32	11	40	27	41	1.7	48	40	1.7	52.510	-H100	063-12	
27	41	4.0	2.8	32	11	40	27	41	4.0	48	40	4.1	52.715	-H320	063-12	
27	41	1.1	2.7	32	11	41	27	41	1.1	48	41	1.1	52.909	-H45	063-12	
26	42	3.1	2.7	33	11	42	26	42	3.1	47	42	3.2	54.438	-H210	063-12	
25	44	3.2	2.6	34	11	43	25	44	3.2	45	43	3.3	56.077	-H140	063-12	
24	46	1.0	2.4	36	10	46	24	46	1.0	43	46	1.0	59.413	-H45	063-12	
24	47	1.7	2.4	36	10	46	24	47	1.7	42	46	1.7	60.133	-H100	063-12	
23	48	3.1	2.4	37	9.8	47	23	48	3.1	42	47	3.2	60.938	-H210	063-12	
21	52	1.7	2.2	40	9.0	51	21	52	1.7	38	51	1.7	66.908	-H140	063-12	
19	58	1.7	2.0	44	8.1	57	19	58	1.7	34	57	1.7	73.879	-H140	063-12	

3-stage gearboxes

Mains operation 400 V, 50 Hz			Inverter operation										i	Product		
n ₂ [r/min]	M ₂ [Nm]	c	5 Hz -		- 20 Hz		- 50 Hz (1:10)			- 87 Hz (1:17.4)				g500	MD□MA□□	
			n ₂₂ [r/min]	M ₂₂ [Nm]	n ₂₁ [r/min]	M ₂ [Nm]	n ₂ [r/min]	M ₂ [Nm]	c	n ₂ [r/min]	M ₂ [Nm]	c	n ₂ [r/min]			M ₂ [Nm]
29	37	5.6	3.0	29	12	37	29	37	5.6	52	37	5.5	48.571	-H210	063-12	
26	43	4.9	2.6	33	11	42	26	43	4.9	46	42	4.8	55.529	-H210	063-12	
23	48	4.4	2.3	37	9.7	47	23	48	4.4	41	47	4.3	62.160	-H210	063-12	
20	55	3.9	2.0	42	8.4	54	20	55	3.9	36	54	3.7	71.026	-H210	063-12	
18	59	5.4	1.9	46	7.8	59	18	59	5.4	33	59	5.2	77.387	-H320	063-12	
18	61	3.4	1.8	47	7.5	60	18	61	3.4	32	60	3.3	79.507	-H210	063-12	
16	68	4.7	1.6	52	6.8	66	16	68	4.7	29	66	4.8	87.906	-H320	063-12	
16	71	3.0	1.6	55	6.5	70	16	71	3.0	28	70	3.0	92.205	-H210	063-12	
14	77	4.1	1.4	59	6.0	76	14	77	4.1	25	76	4.2	100.462	-H320	063-12	
14	79	2.7	1.4	61	5.8	78	14	79	2.7	25	78	2.7	103.214	-H210	063-12	
13	88	3.7	1.3	68	5.3	86	13	88	3.7	22	86	3.7	114.118	-H320	063-12	
12	91	2.3	1.2	70	5.1	89	12	91	2.3	22	89	2.4	118.162	-H210	063-12	
12	93	4.8	1.2	72	4.9	92	12	93	4.8	21	92	4.9	121.342	-H450	063-12	
11	99	3.2	1.1	76	4.7	97	11	99	3.2	20	97	3.3	128.743	-H320	063-12	
11	102	2.1	1.1	78	4.5	100	11	102	2.1	19	100	2.1	132.270	-H210	063-12	
10	105	4.3	1.1	81	4.4	104	10	105	4.3	19	104	4.3	137.133	-H450	063-12	
10	110	4.6	1.0	85	4.2	108	10	110	4.6	18	108	4.7	142.988	-H600	063-12	
9.7	112	2.9	1.0	87	4.1	111	9.7	112	2.9	17	111	2.9	146.244	-H320	063-12	
9.3	117	1.8	0.9	91	3.9	116	9.3	117	1.8	17	116	1.8	152.853	-H210	063-12	
9.1	120	3.8	0.9	93	3.8	118	9.1	120	3.8	16	118	3.8	156.274	-H450	063-12	
8.9	123	4.6	0.9	95	3.7	121	8.9	123	4.6	16	121	4.7	160.585	-H600	063-12	
8.6	128	2.5	0.9	99	3.6	126	8.6	128	2.5	15	126	2.5	166.541	-H320	063-12	

g500-H helical geared motors

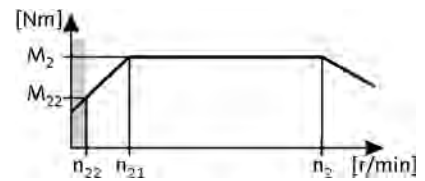


Technical data

Selection tables, 4-pole motors

50 Hz: $P_N = 0.12$ kW
 87 Hz: $P_N = 0.21$ kW

3-stage gearboxes



Mains operation 400 V, 50 Hz			Inverter operation										i	Product		
n_2 [r/min]	M_2 [Nm]	c	5 Hz -		- 20 Hz		- 50 Hz (1:10)			- 87 Hz (1:17.4)				g500	MD□MA□□	
n_2 [r/min]	M_2 [Nm]	c	n_{22} [r/min]	M_{22} [Nm]	n_{21} [r/min]	M_2 [Nm]	n_2 [r/min]	M_2 [Nm]	c	n_2 [r/min]	M_2 [Nm]	c				
8.3	131	1.6	0.8	101	3.5	129	8.3	131	1.6	15	129	1.6	171.104	-H210	063-12	
8.2	133	4.0	0.8	103	3.5	131	8.2	133	4.0	15	131	4.1	173.536	-H600	063-12	
8.1	136	3.3	0.8	105	3.4	134	8.1	136	3.3	14	134	3.4	176.611	-H450	063-12	
7.5	145	2.2	0.8	112	3.2	143	7.5	145	2.2	13	143	2.2	189.179	-H320	063-12	
7.3	150	4.0	0.7	115	3.1	147	7.3	150	4.0	13	147	4.1	194.892	-H600	063-12	
7.2	152	3.0	0.7	117	3.0	150	7.2	152	3.0	13	150	3.0	198.059	-H450	063-12	
7.2	153	1.4	0.7	118	3.0	150	7.2	153	1.4	13	150	1.4	198.873	-H210	063-12	
6.6	167	1.9	0.7	128	2.8	164	6.6	167	1.9	12	164	1.9	216.683	-H320	063-12	
6.4	170	3.1	0.7	131	2.7	168	6.4	170	3.1	11	168	3.2	221.794	-H600	063-12	
6.4	171	1.2	0.7	132	2.7	168	6.4	171	1.2	11	168	1.3	222.619	-H210	063-12	
6.4	172	2.6	0.6	133	2.7	169	6.4	172	2.6	11	169	2.7	223.833	-H450	063-12	
5.8	189	1.7	0.6	146	2.4	186	5.8	189	1.7	10	186	1.7	246.137	-H320	063-12	
5.7	191	2.4	0.6	147	2.4	188	5.7	191	2.4	10	188	2.4	248.200	-H450	063-12	
5.7	191	3.1	0.6	147	2.4	188	5.7	191	3.1	10	188	3.2	249.089	-H600	063-12	
5.5	198	1.1	0.6	153	2.3	195	5.5	198	1.1	9.8	195	1.1	257.631	-H210	063-12	
5.1	216	2.1	0.5	166	2.1	212	5.1	216	2.1	9.0	212	2.1	280.500	-H450	063-12	
5.1	216	1.3	0.5	166	2.1	212	5.1	216	1.3	9.0	212	1.3	280.702	-H320	063-12	
4.9	222	1.0	0.5	171	2.1	218	4.9	222	1.0	8.8	218	1.0	288.393	-H210	063-12	
4.5	245	1.3	0.5	189	1.9	241	4.5	245	1.3	8.0	241	1.3	318.859	-H320	063-12	
4.4	251	1.7	0.4	194	1.8	247	4.4	251	1.7	7.8	247	1.7	326.994	-H450	063-12	
3.9	284	1.6	0.4	219	1.6	279	3.9	284	1.6	6.9	279	1.6	369.548	-H450	063-12	

g500-H helical geared motors

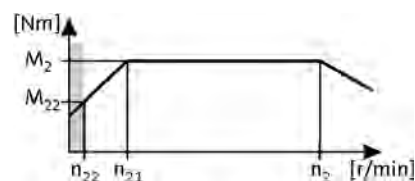


Technical data

Selection tables, 4-pole motors

50 Hz: $P_N = 0.18$ kW
 87 Hz: $P_N = 0.33$ kW

2-stage gearboxes



Mains operation 400 V, 50 Hz			Inverter operation										i	Product		
n_2 [r/min]	M_2 [Nm]	c	5 Hz -		- 20 Hz		- 50 Hz (1:10)			- 87 Hz (1:17.4)				g500	MD□MA□□	
n_2 [r/min]	M_2 [Nm]	c	n_{22} [r/min]	M_{22} [Nm]	n_{21} [r/min]	M_2 [Nm]	n_2 [r/min]	M_2 [Nm]	c	n_2 [r/min]	M_2 [Nm]	c				
526	3.0	4.7	56	2.4	231	3.0	526	3.0	4.7	953	3.0	3.9	2.597	-H45	063-32	
400	4.0	4.5	43	3.2	176	4.0	400	4.0	4.5	725	4.0	3.7	3.413	-H45	063-32	
313	5.0	3.9	33	4.1	137	5.0	313	5.0	3.9	567	5.0	3.3	4.368	-H45	063-32	
257	6.0	4.2	27	5.0	113	6.0	257	6.0	4.2	466	7.0	3.5	5.312	-H45	063-32	
229	7.0	4.0	24	5.6	101	7.0	229	7.0	4.0	415	7.0	3.3	5.965	-H45	063-32	
218	8.0	4.5	23	5.9	96	8.0	218	8.0	4.5	395	8.0	3.7	6.272	-H140	063-32	
212	8.0	4.5	23	6.1	93	8.0	212	8.0	4.5	384	8.0	3.7	6.440	-H100	063-32	
196	9.0	3.5	21	6.6	86	9.0	196	9.0	3.5	355	9.0	2.9	6.982	-H45	063-32	
174	10	3.3	19	7.4	77	10	174	10	3.3	316	10	2.8	7.840	-H45	063-32	
171	10	4.1	18	7.5	75	10	171	10	4.1	309	10	3.5	8.000	-H140	063-32	
166	10	4.1	18	7.7	73	10	166	10	4.1	301	10	3.5	8.214	-H100	063-32	
153	11	3.0	16	8.4	67	11	153	11	3.0	277	11	2.5	8.935	-H45	063-32	
136	12	2.9	15	9.4	60	12	136	12	2.9	247	12	2.4	10.033	-H45	063-32	
120	14	4.5	13	11	53	14	120	14	4.5	218	14	3.7	11.360	-H100	063-32	
119	14	2.5	13	11	53	14	119	14	2.5	217	14	2.1	11.429	-H45	063-32	
108	15	4.5	12	12	48	15	108	15	4.5	196	16	3.7	12.640	-H140	063-32	
108	15	4.1	12	12	47	15	108	15	4.1	196	16	3.5	12.653	-H100	063-32	
106	16	2.4	11	12	47	16	106	16	2.4	193	16	2.0	12.833	-H45	063-32	
98	17	4.5	10	13	43	17	98	17	4.5	177	17	3.7	13.957	-H140	063-32	
94	18	4.1	10	14	41	18	94	18	4.1	171	18	3.5	14.490	-H100	063-32	
92	18	2.2	9.8	14	40	18	92	18	2.2	167	18	1.8	14.836	-H45	063-32	
85	20	4.1	9.0	15	37	20	85	20	4.1	154	20	3.5	16.122	-H140	063-32	
82	20	2.0	8.7	16	36	20	82	20	2.0	149	21	1.9	16.660	-H45	063-32	
77	22	4.1	8.1	17	34	22	77	22	4.1	139	22	3.5	17.802	-H140	063-32	
72	23	1.8	7.6	18	32	23	72	23	1.8	130	23	1.7	19.013	-H45	063-32	
70	24	3.5	7.4	18	31	24	70	24	3.5	127	24	2.9	19.486	-H100	063-32	
64	26	1.7	6.8	20	28	26	64	26	1.7	116	26	1.6	21.350	-H45	063-32	
61	27	3.5	6.5	21	27	27	61	27	3.5	111	28	2.9	22.314	-H100	063-32	
56	30	1.5	5.9	23	24	30	56	30	1.5	101	30	1.4	24.595	-H45	063-32	
55	30	3.5	5.8	23	24	30	55	30	3.5	100	31	2.9	24.829	-H140	063-32	
54	31	2.9	5.8	24	24	31	54	31	2.9	99	31	2.5	25.095	-H100	063-32	
50	33	3.5	5.3	26	22	33	50	33	3.5	90	34	3.3	27.415	-H140	063-32	
49	34	1.3	5.3	26	22	34	49	34	1.3	90	34	1.3	27.618	-H45	063-32	
48	35	2.9	5.0	27	21	35	48	35	2.9	86	36	2.7	28.738	-H100	063-32	
43	39	2.6	4.6	30	19	39	43	39	2.6	78	39	2.4	31.805	-H100	063-32	

g500-H helical geared motors

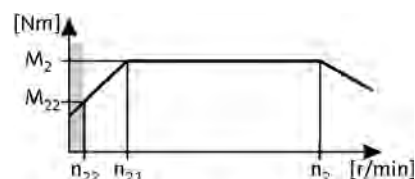


Technical data

Selection tables, 4-pole motors

50 Hz: $P_N = 0.18$ kW
 87 Hz: $P_N = 0.33$ kW

2-stage gearboxes



Mains operation 400 V, 50 Hz			Inverter operation										i	Product		
n ₂ [r/min]	M ₂ [Nm]	c	5 Hz -		- 20 Hz		- 50 Hz (1:10)			- 87 Hz (1:17.4)				g500	MD□MA□□	
			n ₂₂ [r/min]	M ₂₂ [Nm]	n ₂₁ [r/min]	M ₂ [Nm]	n ₂ [r/min]	M ₂ [Nm]	c	n ₂ [r/min]	M ₂ [Nm]	c	n ₂ [r/min]			M ₂ [Nm]
43	39	2.9	4.5	30	19	39	43	39	2.9	77	40	2.8	31.976	-H140	063-32	
43	39	1.2	4.5	30	19	39	43	39	1.2	77	40	1.1	32.000	-H45	063-32	
39	43	2.9	4.1	33	17	43	39	43	2.9	71	43	2.8	35.095	-H210	063-32	
39	43	2.9	4.1	33	17	43	39	43	2.9	70	44	2.8	35.308	-H140	063-32	
38	44	1.0	4.0	34	17	44	38	44	1.0	69	44	1.0	35.933	-H45	063-32	
38	44	2.3	4.0	34	17	44	38	44	2.3	68	45	2.1	36.422	-H100	063-32	
36	47	2.9	3.8	36	16	47	36	47	2.9	65	47	2.8	38.238	-H320	063-32	
35	48	2.9	3.7	37	15	48	35	48	2.9	63	49	2.8	39.286	-H210	063-32	
34	49	2.1	3.6	38	15	49	34	49	2.1	62	49	2.0	39.857	-H100	063-32	
34	50	2.6	3.6	38	15	50	34	50	2.6	61	50	2.5	40.526	-H140	063-32	
33	51	0.9	3.5	39	15	51	33	51	0.9	60	51	0.8	41.455	-H45	063-32	
32	52	2.6	3.4	40	14	52	32	52	2.6	58	53	2.5	42.593	-H210	063-32	
31	53	2.9	3.3	41	14	53	31	53	2.9	57	54	2.9	43.436	-H320	063-32	
31	55	2.6	3.2	42	13	55	31	55	2.6	55	55	2.5	44.748	-H140	063-32	
30	56	1.8	3.2	43	13	56	30	56	1.8	54	56	1.8	45.643	-H100	063-32	
29	57	2.6	3.1	44	13	57	29	57	2.6	53	57	2.5	46.407	-H320	063-32	
29	58	2.6	3.0	45	13	58	29	58	2.6	52	59	2.5	47.679	-H210	063-32	
27	62	2.1	2.9	48	12	62	27	62	2.1	49	63	2.1	50.786	-H140	063-32	
26	64	1.1	2.8	49	11	64	26	64	1.1	47	65	1.1	52.510	-H100	063-32	
26	64	2.6	2.8	50	11	64	26	64	2.6	47	65	2.5	52.715	-H320	063-32	
25	67	2.0	2.7	51	11	67	25	67	2.0	46	67	2.0	54.438	-H210	063-32	
24	69	2.0	2.6	53	11	69	24	69	2.0	44	69	2.0	56.077	-H140	063-32	
23	73	1.1	2.4	57	10	73	23	73	1.1	41	74	1.1	60.133	-H100	063-32	
22	74	2.0	2.4	57	9.8	74	22	74	2.0	41	75	2.0	60.938	-H210	063-32	
20	82	1.1	2.2	63	9.0	82	20	82	1.1	37	83	1.1	66.908	-H140	063-32	
19	90	1.1	2.0	70	8.1	90	19	90	1.1	34	91	1.1	73.879	-H140	063-32	

3-stage gearboxes

Mains operation 400 V, 50 Hz			Inverter operation										i	Product		
n ₂ [r/min]	M ₂ [Nm]	c	5 Hz -		- 20 Hz		- 50 Hz (1:10)			- 87 Hz (1:17.4)				g500	MD□MA□□	
			n ₂₂ [r/min]	M ₂₂ [Nm]	n ₂₁ [r/min]	M ₂ [Nm]	n ₂ [r/min]	M ₂ [Nm]	c	n ₂ [r/min]	M ₂ [Nm]	c	n ₂ [r/min]			M ₂ [Nm]
32	52	4.0	3.3	40	14	52	32	52	4.0	57	53	3.4	43.390	-H210	063-32	
29	57	4.5	3.1	44	13	57	29	57	4.5	52	58	4.2	47.276	-H320	063-32	
28	58	3.6	3.0	45	12	58	28	58	3.6	51	59	3.4	48.571	-H210	063-32	
25	65	4.5	2.7	50	11	65	25	65	4.5	46	65	4.2	53.703	-H320	063-32	
25	67	3.1	2.6	52	11	67	25	67	3.1	45	68	3.0	55.529	-H210	063-32	
23	73	4.1	2.4	56	9.9	73	23	73	4.1	41	74	3.9	60.502	-H320	063-32	
22	74	4.5	2.3	57	9.7	74	22	74	4.5	40	75	4.2	61.774	-H450	063-32	
22	75	2.8	2.3	58	9.7	75	22	75	2.8	40	76	2.7	62.160	-H210	063-32	
20	83	3.9	2.1	64	8.7	83	20	83	3.9	36	84	3.7	68.726	-H320	063-32	

g500-H helical geared motors

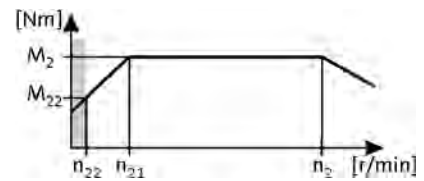


Technical data

Selection tables, 4-pole motors

50 Hz: $P_N = 0.18$ kW
 87 Hz: $P_N = 0.33$ kW

3-stage gearboxes



Mains operation 400 V, 50 Hz			Inverter operation										i	Product			
n_2 [r/min]	M_2 [Nm]	c	5 Hz -		- 20 Hz		- 50 Hz (1:10)			- 87 Hz (1:17.4)				g500	MD□MA□□		
n_{22} [r/min]	M_{22} [Nm]		n_{22} [r/min]	M_{22} [Nm]	n_{21} [r/min]	M_2 [Nm]	n_2 [r/min]	M_2 [Nm]	c	n_2 [r/min]	M_2 [Nm]	c	n_2 [r/min]	M_2 [Nm]	c		
20	84	4.5	2.1	65	8.6	84	20	84	4.5	36	85	4.2	69.813	-H450	063-32		
19	85	2.5	2.0	66	8.4	85	19	85	2.5	35	86	2.3	71.026	-H210	063-32		
18	93	3.4	1.9	72	7.8	93	18	93	3.4	32	94	3.3	77.387	-H320	063-32		
17	95	4.1	1.8	73	7.6	95	17	95	4.1	31	96	3.9	78.794	-H450	063-32		
17	96	2.2	1.8	74	7.5	96	17	96	2.2	31	97	2.1	79.507	-H210	063-32		
16	106	3.0	1.6	82	6.8	106	16	106	3.0	28	107	3.0	87.906	-H320	063-32		
15	107	4.1	1.6	83	6.7	107	15	107	4.1	28	108	4.1	89.048	-H450	063-32		
15	111	1.9	1.6	85	6.5	111	15	111	1.9	27	112	1.9	92.205	-H210	063-32		
14	121	2.7	1.4	93	6.0	121	14	121	2.7	25	122	2.6	100.462	-H320	063-32		
13	124	1.7	1.4	96	5.8	124	13	124	1.7	24	126	1.7	103.214	-H210	063-32		
12	137	2.3	1.3	106	5.3	137	12	137	2.3	22	139	2.3	114.118	-H320	063-32		
12	142	1.5	1.2	110	5.1	142	12	142	1.5	21	144	1.5	118.162	-H210	063-32		
11	146	3.1	1.2	112	4.9	146	11	146	3.1	20	148	3.1	121.342	-H450	063-32		
11	155	2.1	1.1	119	4.7	155	11	155	2.1	19	157	2.0	128.743	-H320	063-32		
10	159	1.3	1.1	123	4.5	159	10	159	1.3	19	161	1.3	132.270	-H210	063-32		
10	165	2.7	1.1	127	4.4	165	10	165	2.7	18	167	2.7	137.133	-H450	063-32		
9.5	172	2.9	1.0	133	4.2	172	9.5	172	2.9	17	174	2.9	142.988	-H600	063-32		
9.3	176	1.8	1.0	136	4.1	176	9.3	176	1.8	17	178	1.8	146.244	-H320	063-32		
8.9	184	1.1	0.9	142	3.9	184	8.9	184	1.1	16	186	1.1	152.853	-H210	063-32		
8.7	188	2.4	0.9	145	3.8	188	8.7	188	2.4	16	190	2.4	156.274	-H450	063-32		
8.5	193	2.9	0.9	149	3.7	193	8.5	193	2.9	15	195	2.9	160.585	-H600	063-32		
8.2	200	1.6	0.9	154	3.6	200	8.2	200	1.6	15	203	1.6	166.541	-H320	063-32		
8.0	206	1.0	0.8	159	3.5	206	8.0	206	1.0	15	208	1.0	171.104	-H210	063-32		
7.9	209	2.6	0.8	161	3.5	209	7.9	209	2.6	14	211	2.5	173.536	-H600	063-32		
7.7	213	2.1	0.8	164	3.4	213	7.7	213	2.1	14	215	2.1	176.611	-H450	063-32		
7.2	228	1.4	0.8	175	3.2	228	7.2	228	1.4	13	230	1.4	189.179	-H320	063-32		
7.0	235	2.6	0.7	181	3.1	235	7.0	235	2.6	13	237	2.5	194.892	-H600	063-32		
6.9	238	1.9	0.7	184	3.0	238	6.9	238	1.9	13	241	1.9	198.059	-H450	063-32		
6.9	239	0.9	0.7	184	3.0	239	6.9	239	0.9	12	242	0.9	198.873	-H210	063-32		
6.3	261	1.2	0.7	201	2.8	261	6.3	261	1.2	11	264	1.2	216.683	-H320	063-32		
6.2	267	2.0	0.7	206	2.7	267	6.2	267	2.0	11	270	2.0	221.794	-H600	063-32		
6.1	269	1.7	0.6	207	2.7	269	6.1	269	1.7	11	272	1.7	223.833	-H450	063-32		
5.5	296	1.1	0.6	228	2.4	296	5.5	296	1.1	10	299	1.1	246.137	-H320	063-32		
5.5	299	1.5	0.6	230	2.4	299	5.5	299	1.5	10	302	1.5	248.200	-H450	063-32		
5.5	300	2.0	0.6	231	2.4	300	5.5	300	2.0	9.9	303	2.0	249.089	-H600	063-32		

g500-H helical geared motors

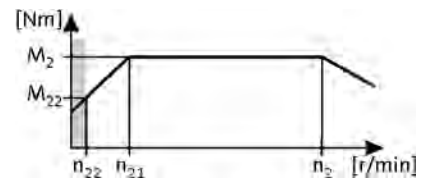
Technical data



Selection tables, 4-pole motors

50 Hz: $P_N = 0.18$ kW
 87 Hz: $P_N = 0.33$ kW

3-stage gearboxes



Mains operation 400 V, 50 Hz			Inverter operation										i	Product		
n ₂ [r/min]	M ₂ [Nm]	c	5 Hz -		- 20 Hz		- 50 Hz (1:10)			- 87 Hz (1:17.4)				g500	MD□MA□□	
			n ₂₂ [r/min]	M ₂₂ [Nm]	n ₂₁ [r/min]	M ₂ [Nm]	n ₂ [r/min]	M ₂ [Nm]	c	n ₂ [r/min]	M ₂ [Nm]	c				
4.9	338	1.3	0.5	260	2.1	338	4.9	338	1.3	8.8	341	1.3	280.500	-H450	063-32	
4.2	394	1.1	0.4	303	1.8	394	4.2	394	1.1	7.6	398	1.1	326.994	-H450	063-32	
3.7	445	1.0	0.4	342	1.6	445	3.7	445	1.0	6.7	450	1.0	369.548	-H450	063-32	

g500-H helical geared motors

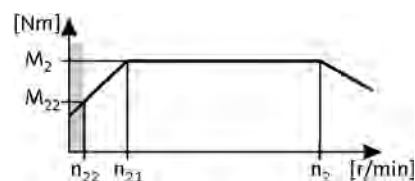


Technical data

Selection tables, 4-pole motors

50 Hz: $P_N = 0.25$ kW
 87 Hz: $P_N = 0.45$ kW

2-stage gearboxes



Mains operation 400 V, 50 Hz			Inverter operation											i	Product		
n_2 [r/min]	M_2 [Nm]	c	5 Hz -		- 20 Hz		- 50 Hz (1:10)			- 87 Hz (1:17.4)			g500		MD□MA□□		
n_2 [r/min]	M_2 [Nm]	c	n_{22} [r/min]	M_{22} [Nm]	n_{21} [r/min]	M_2 [Nm]	n_2 [r/min]	M_2 [Nm]	c	n_2 [r/min]	M_2 [Nm]	c					
528	4.0	4.1	56	3.4	231	4.0	528	4.0	4.1	955	4.0	3.5	2.597	-H45	063-42		
419	6.0	5.6	44	4.3	184	5.0	419	6.0	5.6	759	5.0	4.8	3.267	-H140	063-42		
408	6.0	5.6	43	4.4	179	6.0	408	6.0	5.6	739	6.0	4.8	3.354	-H100	063-42		
401	6.0	3.3	43	4.4	176	6.0	401	6.0	3.3	727	6.0	2.8	3.413	-H45	063-42		
314	7.0	2.8	33	5.7	137	7.0	314	7.0	2.8	568	7.0	2.4	4.368	-H45	063-42		
306	8.0	5.6	32	5.8	134	8.0	306	8.0	5.6	554	8.0	4.8	4.480	-H140	063-42		
298	8.0	5.6	32	6.0	130	8.0	298	8.0	5.6	539	8.0	4.8	4.600	-H100	063-42		
265	9.0	5.6	28	6.7	116	9.0	265	9.0	5.6	480	9.0	4.8	5.167	-H100	063-42		
258	9.0	3.0	27	6.9	113	9.0	258	9.0	3.0	467	9.0	2.6	5.312	-H45	063-42		
239	10	5.2	25	7.5	105	10	239	10	5.2	433	10	4.4	5.733	-H140	063-42		
233	10	5.2	25	7.7	102	10	233	10	5.2	421	10	4.4	5.887	-H100	063-42		
230	10	2.9	24	7.8	101	10	230	10	2.9	416	10	2.5	5.965	-H45	063-42		
218	11	5.2	23	8.2	96	11	218	11	5.2	395	11	4.4	6.272	-H140	063-42		
213	11	5.2	23	8.4	93	11	213	11	5.2	385	11	4.4	6.440	-H100	063-42		
196	12	2.5	21	9.1	86	12	196	12	2.5	355	12	2.2	6.982	-H45	063-42		
193	12	5.6	21	9.2	85	12	193	12	5.6	350	12	4.8	7.086	-H100	063-42		
189	12	5.6	20	9.5	83	12	189	12	5.6	341	12	4.8	7.269	-H140	063-42		
175	13	2.4	19	10	77	13	175	13	2.4	316	13	2.1	7.840	-H45	063-42		
171	14	4.8	18	10	75	13	171	14	4.8	310	13	4.1	8.000	-H140	063-42		
167	14	4.8	18	11	73	14	167	14	4.8	302	14	4.1	8.214	-H100	063-42		
153	15	2.2	16	12	67	15	153	15	2.2	278	15	1.9	8.935	-H45	063-42		
152	15	5.6	16	12	67	15	152	15	5.6	275	15	4.8	9.029	-H140	063-42		
151	15	5.2	16	12	66	15	151	15	5.2	274	15	4.4	9.068	-H100	063-42		
140	17	4.3	15	13	61	16	140	17	4.3	253	16	3.7	9.800	-H140	063-42		
137	17	2.1	15	13	60	17	137	17	2.1	247	17	1.8	10.033	-H45	063-42		
136	17	4.3	14	13	60	17	136	17	4.3	247	17	3.7	10.063	-H100	063-42		
128	18	5.6	14	14	56	18	128	18	5.6	231	18	4.8	10.720	-H210	063-42		
121	19	5.2	13	15	53	19	121	19	5.2	218	19	4.4	11.360	-H100	063-42		
120	19	1.8	13	15	53	19	120	19	1.8	217	19	1.5	11.429	-H45	063-42		
119	20	5.2	13	15	52	19	119	20	5.2	215	19	4.4	11.554	-H140	063-42		
117	20	5.6	12	15	51	20	117	20	5.6	212	20	4.8	11.680	-H320	063-42		
114	20	5.6	12	16	50	20	114	20	5.6	207	20	4.8	12.000	-H210	063-42		
108	21	5.2	12	17	48	21	108	21	5.2	196	21	4.4	12.640	-H140	063-42		
108	21	4.7	12	17	47	21	108	21	4.7	196	21	4.0	12.653	-H100	063-42		
107	22	1.8	11	17	47	22	107	22	1.8	193	22	1.5	12.833	-H45	063-42		

g500-H helical geared motors

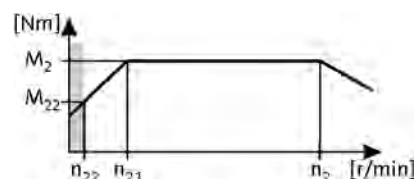


Technical data

Selection tables, 4-pole motors

50 Hz: $P_N = 0.25$ kW
 87 Hz: $P_N = 0.45$ kW

2-stage gearboxes



Mains operation 400 V, 50 Hz			Inverter operation										i	Product			
n ₂ [r/min]	M ₂ [Nm]	c	5 Hz -		- 20 Hz		- 50 Hz (1:10)			- 87 Hz (1:17.4)				g500	MD□MA□□		
n ₂₂ [r/min]	M ₂₂ [Nm]		n ₂₂ [r/min]	M ₂₂ [Nm]	n ₂₁ [r/min]	M ₂ [Nm]	n ₂ [r/min]	M ₂ [Nm]	c	n ₂ [r/min]	M ₂ [Nm]	c	n ₂ [r/min]	M ₂ [Nm]	c		
103	22	5.6	11	17	45	22	103	22	5.6	187	22	4.8	13.268	-H320	063-42		
100	23	5.2	11	18	44	23	100	23	5.2	181	23	4.4	13.673	-H210	063-42		
98	24	5.2	10	18	43	23	98	24	5.2	178	23	4.4	13.957	-H140	063-42		
95	24	4.1	10	19	41	24	95	24	4.1	171	24	3.5	14.490	-H100	063-42		
92	25	1.6	9.8	19	40	25	92	25	1.6	167	25	1.3	14.836	-H45	063-42		
92	25	5.2	9.7	19	40	25	92	25	5.2	167	25	4.4	14.898	-H320	063-42		
90	26	5.2	9.5	20	39	26	90	26	5.2	162	26	4.4	15.306	-H210	063-42		
88	26	3.8	9.4	20	39	26	88	26	3.8	160	26	3.3	15.500	-H100	063-42		
85	27	4.8	9.0	21	37	27	85	27	4.8	154	27	4.1	16.122	-H140	063-42		
82	28	1.5	8.7	22	36	28	82	28	1.5	149	28	1.4	16.660	-H45	063-42		
81	29	5.2	8.6	22	36	28	81	29	5.2	147	28	4.4	16.923	-H320	063-42		
77	30	3.3	8.2	23	34	30	77	30	3.3	140	30	2.8	17.750	-H100	063-42		
77	30	4.7	8.1	23	34	30	77	30	4.7	139	30	4.0	17.802	-H140	063-42		
72	32	1.3	7.6	25	32	32	72	32	1.3	130	32	1.3	19.013	-H45	063-42		
70	33	3.0	7.4	25	31	33	70	33	3.0	127	33	2.6	19.486	-H100	063-42		
69	33	4.2	7.3	26	30	33	69	33	4.2	126	33	3.6	19.750	-H140	063-42		
64	36	1.2	6.8	28	28	36	64	36	1.2	116	36	1.2	21.350	-H45	063-42		
63	37	4.3	6.7	28	28	37	63	37	4.3	114	37	3.7	21.802	-H210	063-42		
63	37	3.8	6.6	28	28	37	63	37	3.8	114	37	3.2	21.808	-H140	063-42		
61	38	2.7	6.5	29	27	38	61	38	2.7	111	38	2.3	22.314	-H100	063-42		
58	40	4.3	6.1	31	25	40	58	40	4.3	104	40	3.7	23.754	-H320	063-42		
56	41	4.3	5.9	32	25	41	56	41	4.3	102	41	3.7	24.405	-H210	063-42		
56	42	1.1	5.9	32	24	41	56	42	1.1	101	41	1.1	24.595	-H45	063-42		
55	42	3.3	5.8	32	24	42	55	42	3.3	100	42	2.8	24.829	-H140	063-42		
55	42	2.4	5.8	33	24	42	55	42	2.4	99	42	2.0	25.095	-H100	063-42		
51	46	4.3	5.4	35	22	45	51	46	4.3	92	45	4.2	26.983	-H320	063-42		
51	46	3.7	5.3	35	22	46	51	46	3.7	91	46	3.5	27.119	-H210	063-42		
50	46	3.0	5.3	36	22	46	50	46	3.0	91	46	2.9	27.415	-H140	063-42		
50	47	1.0	5.3	36	22	46	50	47	1.0	90	46	0.9	27.618	-H45	063-42		
48	49	2.1	5.0	37	21	48	48	49	2.1	86	48	2.0	28.738	-H100	063-42		
46	50	3.7	4.9	39	20	50	46	50	3.7	84	50	3.5	29.548	-H320	063-42		
45	51	3.7	4.8	40	20	51	45	51	3.7	82	51	3.5	30.357	-H210	063-42		
43	54	1.9	4.6	41	19	53	43	54	1.9	78	53	1.8	31.805	-H100	063-42		
43	54	2.6	4.5	42	19	54	43	54	2.6	78	54	2.5	31.976	-H140	063-42		
43	54	0.8	4.5	42	19	54	43	54	0.8				32.000	-H45	063-42		

g500-H helical geared motors

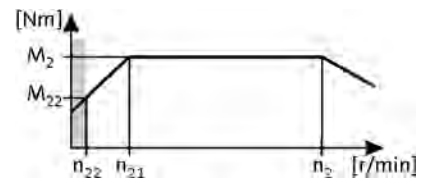


Technical data

Selection tables, 4-pole motors

50 Hz: $P_N = 0.25$ kW
 87 Hz: $P_N = 0.45$ kW

2-stage gearboxes



Mains operation 400 V, 50 Hz			Inverter operation										i	Product		
n_2 [r/min]	M_2 [Nm]	c	5 Hz -		- 20 Hz		- 50 Hz (1:10)			- 87 Hz (1:17.4)				g500	MD□MA□□	
n_{22} [r/min]	M_{22} [Nm]		n_{22} [r/min]	M_{22} [Nm]	n_{21} [r/min]	M_2 [Nm]	n_2 [r/min]	M_2 [Nm]	c	n_2 [r/min]	M_2 [Nm]	c				
41	57	3.7	4.3	44	18	56	41	57	3.7	74	56	3.5	33.564	-H320	063-42	
39	59	3.3	4.1	46	17	59	39	59	3.3	71	59	3.2	35.095	-H210	063-42	
39	60	2.4	4.1	46	17	59	39	60	2.4	70	59	2.3	35.308	-H140	063-42	
38	60	3.7	4.1	47	17	60	38	60	3.7	70	60	3.5	35.689	-H450	063-42	
38	62	1.6	4.0	47	17	61	38	62	1.6	68	61	1.6	36.422	-H100	063-42	
36	65	3.3	3.8	50	16	64	36	65	3.3	65	64	3.2	38.238	-H320	063-42	
35	66	3.2	3.7	51	15	66	35	66	3.2	63	66	3.1	39.286	-H210	063-42	
34	67	1.2	3.6	52	15	67	34	67	1.2	62	67	1.2	39.857	-H100	063-42	
34	68	3.7	3.6	53	15	68	34	68	3.7	62	68	3.7	40.333	-H450	063-42	
34	69	2.0	3.6	53	15	68	34	69	2.0	61	68	2.1	40.526	-H140	063-42	
34	69	3.7	3.6	53	15	68	34	69	3.7	61	68	3.7	40.578	-H600	063-42	
32	72	2.5	3.4	55	14	72	32	72	2.5	58	72	2.6	42.593	-H210	063-42	
32	73	3.2	3.3	56	14	73	32	73	3.2	57	73	3.2	43.313	-H450	063-42	
32	73	3.3	3.3	57	14	73	32	73	3.3	57	73	3.3	43.436	-H320	063-42	
31	76	1.9	3.2	58	13	75	31	76	1.9	55	75	1.9	44.748	-H140	063-42	
30	77	3.7	3.2	59	13	77	30	77	3.7	54	77	3.7	45.571	-H600	063-42	
30	77	1.2	3.2	59	13	77	30	77	1.2	54	77	1.2	45.643	-H100	063-42	
30	78	2.8	3.1	60	13	78	30	78	2.8	53	78	2.8	46.407	-H320	063-42	
29	81	2.6	3.0	62	13	80	29	81	2.6	52	80	2.6	47.679	-H210	063-42	
28	83	3.2	3.0	64	12	82	28	83	3.2	51	82	3.2	48.950	-H450	063-42	
28	83	3.2	2.9	64	12	83	28	83	3.2	50	83	3.2	49.247	-H600	063-42	
27	86	1.2	2.9	66	12	85	27	86	1.2	49	85	1.2	50.786	-H140	063-42	
26	89	2.8	2.8	69	11	89	26	89	2.8	47	89	2.8	52.715	-H320	063-42	
25	92	1.4	2.7	71	11	92	25	92	1.4	46	92	1.4	54.438	-H210	063-42	
25	93	2.6	2.6	71	11	92	25	93	2.6	45	92	2.6	54.750	-H450	063-42	
25	94	3.2	2.6	72	11	93	25	94	3.2	45	93	3.2	55.307	-H600	063-42	
24	95	1.2	2.6	73	11	94	24	95	1.2	44	94	1.2	56.077	-H140	063-42	
23	103	1.4	2.4	79	9.8	102	23	103	1.4	41	102	1.4	60.938	-H210	063-42	
22	105	2.6	2.3	81	9.7	104	22	105	2.6	40	104	2.6	61.875	-H450	063-42	
22	105	2.6	2.3	81	9.6	105	22	105	2.6	40	105	2.6	62.250	-H600	063-42	
20	118	2.6	2.1	91	8.6	118	20	118	2.6	36	118	2.6	69.911	-H600	063-42	

g500-H helical geared motors

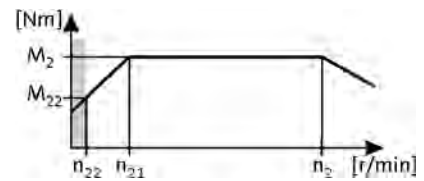


Technical data

Selection tables, 4-pole motors

50 Hz: $P_N = 0.25$ kW
 87 Hz: $P_N = 0.45$ kW

3-stage gearboxes



Mains operation 400 V, 50 Hz			Inverter operation										i	Product			
n ₂ [r/min]	M ₂ [Nm]	c	5 Hz -		- 20 Hz		- 50 Hz (1:10)			- 87 Hz (1:17.4)				g500	MD□MA□□		
n ₂₂ [r/min]	M ₂₂ [Nm]		n ₂₂ [r/min]	M ₂₂ [Nm]	n ₂₁ [r/min]	M ₂ [Nm]	n ₂ [r/min]	M ₂ [Nm]	c	n ₂ [r/min]	M ₂ [Nm]	c	n ₂ [r/min]	M ₂ [Nm]	c		
32	72	2.9	3.3	56	14	72	32	72	2.9	57	72	2.5	43.390	-H210	063-42		
31	73	5.6	3.3	56	14	72	31	73	5.6	57	72	4.8	43.676	-H600	063-42		
31	73	5.6	3.3	57	14	73	31	73	5.6	56	73	4.8	44.124	-H450	063-42		
29	79	4.1	3.1	61	13	78	29	79	4.1	53	78	3.9	47.276	-H320	063-42		
28	81	2.6	3.0	62	12	80	28	81	2.6	51	80	2.5	48.571	-H210	063-42		
28	82	5.6	3.0	63	12	81	28	82	5.6	51	81	5.4	49.051	-H600	063-42		
28	83	5.4	2.9	64	12	83	28	83	5.4	50	83	5.2	49.867	-H450	063-42		
26	89	3.6	2.7	69	11	89	26	89	3.6	46	89	3.5	53.703	-H320	063-42		
25	92	2.3	2.6	71	11	92	25	92	2.3	45	92	2.2	55.529	-H210	063-42		
25	93	5.2	2.6	71	11	92	25	93	5.2	45	92	5.1	55.710	-H600	063-42		
24	94	4.8	2.6	72	11	94	24	94	4.8	44	94	4.6	56.469	-H450	063-42		
23	101	3.2	2.4	78	9.9	100	23	101	3.2	41	100	3.1	60.502	-H320	063-42		
22	103	4.4	2.3	79	9.7	102	22	103	4.4	40	102	4.2	61.774	-H450	063-42		
22	104	2.0	2.3	80	9.7	103	22	104	2.0	40	103	2.0	62.160	-H210	063-42		
22	104	5.2	2.3	80	9.6	104	22	104	5.2	40	104	5.1	62.566	-H600	063-42		
20	114	2.8	2.1	88	8.7	114	20	114	2.8	36	114	2.7	68.726	-H320	063-42		
20	116	3.9	2.1	90	8.6	116	20	116	3.9	36	116	3.7	69.813	-H450	063-42		
19	118	1.8	2.0	91	8.4	118	19	118	1.8	35	118	1.7	71.026	-H210	063-42		
18	129	2.5	1.9	99	7.8	128	18	129	2.5	32	128	2.4	77.387	-H320	063-42		
17	131	3.4	1.8	101	7.6	130	17	131	3.4	32	130	3.3	78.794	-H450	063-42		
17	132	1.6	1.8	102	7.5	132	17	132	1.6	31	132	1.5	79.507	-H210	063-42		
16	146	2.2	1.6	113	6.8	146	16	146	2.2	28	146	2.2	87.906	-H320	063-42		
15	148	4.1	1.6	114	6.8	147	15	148	4.1	28	147	4.1	88.826	-H600	063-42		
15	148	3.0	1.6	114	6.7	147	15	148	3.0	28	147	3.1	89.048	-H450	063-42		
15	154	1.4	1.6	118	6.5	153	15	154	1.4	27	153	1.4	92.205	-H210	063-42		
14	161	2.8	1.5	124	6.2	160	14	161	2.8	26	160	2.8	96.522	-H450	063-42		
14	166	3.6	1.5	128	6.0	165	14	166	3.6	25	165	3.6	99.757	-H600	063-42		
14	167	1.9	1.4	129	6.0	166	14	167	1.9	25	166	1.9	100.462	-H320	063-42		
13	172	1.2	1.4	132	5.8	171	13	172	1.2	24	171	1.2	103.214	-H210	063-42		
13	182	2.5	1.3	140	5.5	181	13	182	2.5	23	181	2.5	109.083	-H450	063-42		
12	184	3.3	1.3	142	5.4	183	12	184	3.3	22	183	3.3	110.491	-H600	063-42		
12	190	1.7	1.3	146	5.3	189	12	190	1.7	22	189	1.7	114.118	-H320	063-42		
12	197	1.1	1.2	152	5.1	196	12	197	1.1	21	196	1.1	118.162	-H210	063-42		
11	202	2.2	1.2	156	4.9	201	11	202	2.2	20	201	2.2	121.342	-H450	063-42		
11	207	2.9	1.2	159	4.8	205	11	207	2.9	20	205	2.9	124.088	-H600	063-42		

g500-H helical geared motors

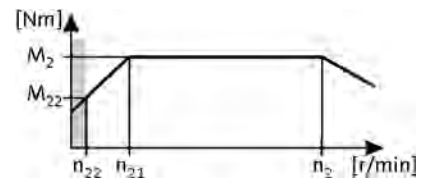


Technical data

Selection tables, 4-pole motors

50 Hz: $P_N = 0.25$ kW
 87 Hz: $P_N = 0.45$ kW

3-stage gearboxes



Mains operation 400 V, 50 Hz			Inverter operation										i	Product		
n_2 [r/min]	M_2 [Nm]	c	5 Hz -		- 20 Hz		- 50 Hz (1:10)			- 87 Hz (1:17.4)				g500	MD□MA□□	
n_2 [r/min]	M_2 [Nm]	c	n_{22} [r/min]	M_{22} [Nm]	n_{21} [r/min]	M_2 [Nm]	n_2 [r/min]	M_2 [Nm]	c	n_2 [r/min]	M_2 [Nm]	c				
11	214	1.5	1.1	165	4.7	213	11	214	1.5	19	213	1.5	128.743	-H320	063-42	
10	220	1.0	1.1	170	4.5	219	10	220	1.0	19	219	1.0	132.270	-H210	063-42	
10	225	3.7	1.1	174	4.4	224	10	225	3.7	18	224	3.7	135.373	-H850	063-42	
10	228	2.0	1.1	176	4.4	227	10	228	2.0	18	227	2.0	137.133	-H450	063-42	
9.6	238	2.5	1.0	183	4.2	237	9.6	238	2.5	17	237	2.5	142.988	-H600	063-42	
9.4	244	1.3	1.0	188	4.1	242	9.4	244	1.3	17	242	1.3	146.244	-H320	063-42	
9.1	252	3.4	1.0	194	4.0	250	9.1	252	3.4	16	250	3.4	151.262	-H850	063-42	
9.0	255	0.8	0.9	196	3.9	253	9.0	255	0.8	16	253	0.8	152.853	-H210	063-42	
8.8	260	1.7	0.9	200	3.8	259	8.8	260	1.7	16	259	1.7	156.274	-H450	063-42	
8.5	267	2.2	0.9	206	3.7	266	8.5	267	2.2	15	266	2.3	160.585	-H600	063-42	
8.3	274	3.1	0.9	211	3.7	272	8.3	274	3.1	15	272	3.1	164.294	-H850	063-42	
8.2	277	1.2	0.9	214	3.6	276	8.2	277	1.2	15	276	1.2	166.541	-H320	063-42	
7.9	289	2.1	0.8	223	3.5	287	7.9	289	2.1	14	287	2.1	173.536	-H600	063-42	
7.8	294	1.5	0.8	227	3.4	292	7.8	294	1.5	14	292	1.5	176.611	-H450	063-42	
7.5	306	2.8	0.8	235	3.3	304	7.5	306	2.8	14	304	2.8	183.577	-H850	063-42	
7.2	315	1.0	0.8	243	3.2	313	7.2	315	1.0	13	313	1.0	189.179	-H320	063-42	
7.0	325	1.9	0.7	250	3.1	323	7.0	325	1.9	13	323	1.9	194.892	-H600	063-42	
6.9	330	1.4	0.7	254	3.0	328	6.9	330	1.4	13	328	1.4	198.059	-H450	063-42	
6.6	346	2.5	0.7	266	2.9	344	6.6	346	2.5	12	344	2.5	207.675	-H850	063-42	
6.3	361	0.9	0.7	278	2.8	359	6.3	361	0.9	11	359	0.9	216.683	-H320	063-42	
6.2	369	1.4	0.7	284	2.7	367	6.2	369	1.4	11	367	1.4	221.794	-H600	063-42	
6.1	373	1.2	0.6	287	2.7	371	6.1	373	1.2	11	371	1.2	223.833	-H450	063-42	
5.9	386	2.2	0.6	298	2.6	384	5.9	386	2.2	11	384	2.2	232.050	-H850	063-42	
5.5	413	1.1	0.6	318	2.4	411	5.5	413	1.1	10	411	1.1	248.200	-H450	063-42	
5.5	415	1.4	0.6	319	2.4	412	5.5	415	1.4	10	412	1.4	249.089	-H600	063-42	
4.9	467	1.0	0.5	360	2.1	464	4.9	467	1.0	8.8	464	1.0	280.500	-H450	063-42	

g500-H helical geared motors

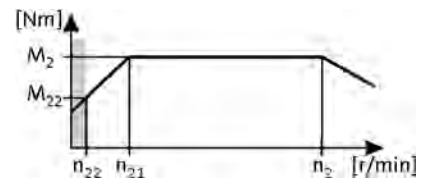


Technical data

Selection tables, 4-pole motors

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

2-stage gearboxes



Mains operation 400 V, 50 Hz			Inverter operation										i	Product		
n_2 [r/min]	M_2 [Nm]	c	5 Hz -		- 20 Hz		- 50 Hz (1:10)			- 87 Hz (1:17.4)				g500	MD□MA□□	
n_2 [r/min]	M_2 [Nm]	c	n_{22} [r/min]	M_{22} [Nm]	n_{21} [r/min]	M_2 [Nm]	n_2 [r/min]	M_2 [Nm]	c	n_2 [r/min]	M_2 [Nm]	c				
543	6.0	2.9	56	4.9	231	6.0	543	6.0	2.9	970	6.0	2.4	2.597	-H45	071-32	
432	8.0	4.9	44	6.1	184	8.0	432	8.0	4.9	771	8.0	4.1	3.267	-H140	071-32	
420	8.0	4.9	43	6.3	179	8.0	420	8.0	4.9	751	8.0	4.1	3.354	-H100	071-32	
413	8.0	2.3	43	6.4	176	8.0	413	8.0	2.3	738	8.0	1.9	3.413	-H45	071-32	
323	11	2.0	33	8.2	137	11	323	11	2.0	577	11	1.7	4.368	-H45	071-32	
315	11	4.9	32	8.4	134	11	315	11	4.9	563	11	4.1	4.480	-H140	071-32	
307	11	4.9	32	8.6	130	11	307	11	4.9	548	11	4.1	4.600	-H100	071-32	
273	13	4.9	28	9.7	116	13	273	13	4.9	488	13	4.1	5.167	-H100	071-32	
265	13	2.1	27	9.9	113	13	265	13	2.1	474	13	1.8	5.312	-H45	071-32	
246	14	4.5	25	11	105	14	246	14	4.5	440	14	3.8	5.733	-H140	071-32	
240	14	4.5	25	11	102	14	240	14	4.5	428	14	3.8	5.887	-H100	071-32	
236	15	2.0	24	11	101	14	236	15	2.0	422	14	1.7	5.965	-H45	071-32	
225	15	4.5	23	12	96	15	225	15	4.5	402	15	3.8	6.272	-H140	071-32	
219	16	4.5	23	12	93	16	219	16	4.5	391	16	3.8	6.440	-H100	071-32	
202	17	1.8	21	13	86	17	202	17	1.8	361	17	1.5	6.982	-H45	071-32	
199	17	4.9	21	13	85	17	199	17	4.9	356	17	4.1	7.086	-H100	071-32	
194	18	4.9	20	14	83	18	194	18	4.9	347	18	4.1	7.269	-H140	071-32	
180	19	1.7	19	15	77	19	180	19	1.7	321	19	1.4	7.840	-H45	071-32	
176	19	4.2	18	15	75	19	176	19	4.2	315	19	3.5	8.000	-H140	071-32	
172	20	4.2	18	15	73	20	172	20	4.2	307	20	3.5	8.214	-H100	071-32	
158	22	1.5	16	17	67	22	158	22	1.5	282	22	1.3	8.935	-H45	071-32	
156	22	4.9	16	17	67	22	156	22	4.9	279	22	4.1	9.029	-H140	071-32	
156	22	4.4	16	17	66	22	156	22	4.4	278	22	3.7	9.068	-H100	071-32	
144	24	3.7	15	18	61	24	144	24	3.7	257	24	3.2	9.800	-H140	071-32	
141	24	1.4	15	19	60	24	141	24	1.4	251	24	1.2	10.033	-H45	071-32	
140	24	3.7	14	19	60	24	140	24	3.7	250	24	3.2	10.063	-H100	071-32	
132	26	4.9	14	20	56	26	132	26	4.9	235	26	4.1	10.720	-H210	071-32	
124	28	3.6	13	21	53	28	124	28	3.6	222	28	3.1	11.360	-H100	071-32	
123	28	1.3	13	21	53	28	123	28	1.3	221	28	1.1	11.429	-H45	071-32	
122	28	4.5	13	22	52	28	122	28	4.5	218	28	3.8	11.554	-H140	071-32	
121	28	4.9	12	22	51	28	121	28	4.9	216	28	4.1	11.680	-H320	071-32	
118	29	4.9	12	23	50	29	118	29	4.9	210	29	4.1	12.000	-H210	071-32	
112	31	4.3	12	24	48	31	112	31	4.3	199	31	3.6	12.640	-H140	071-32	
111	31	3.3	12	24	47	31	111	31	3.3	199	31	2.7	12.653	-H100	071-32	
110	31	1.2	11	24	47	31	110	31	1.2	196	31	1.0	12.833	-H45	071-32	

g500-H helical geared motors

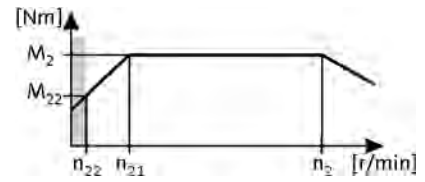


Technical data

Selection tables, 4-pole motors

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

2-stage gearboxes



Mains operation 400 V, 50 Hz			Inverter operation										i	Product		
n_2 [r/min]	M_2 [Nm]	c	5 Hz -		- 20 Hz		- 50 Hz (1:10)			- 87 Hz (1:17.4)				g500	MD□MA□□	
n_{22} [r/min]	M_{22} [Nm]		n_{22} [r/min]	M_{22} [Nm]	n_{21} [r/min]	M_2 [Nm]	n_2 [r/min]	M_2 [Nm]	c	n_2 [r/min]	M_2 [Nm]	c				
106	32	4.9	11	25	45	32	106	32	4.9	190	32	4.1	13.268	-H320	071-32	
103	33	4.5	11	26	44	33	103	33	4.5	184	33	3.8	13.673	-H210	071-32	
101	34	4.0	10	26	43	34	101	34	4.0	181	34	3.4	13.957	-H140	071-32	
97	35	2.8	10	27	41	35	97	35	2.8	174	35	2.4	14.490	-H100	071-32	
95	36	1.1	9.8	28	40	36	95	36	1.1	170	36	0.9	14.836	-H45	071-32	
95	36	4.5	9.7	28	40	36	95	36	4.5	169	36	3.8	14.898	-H320	071-32	
92	37	4.5	9.5	29	39	37	92	37	4.5	165	37	3.8	15.306	-H210	071-32	
91	38	2.7	9.4	29	39	38	91	38	2.7	163	38	2.2	15.500	-H100	071-32	
88	39	3.6	9.0	30	37	39	88	39	3.6	156	39	3.0	16.122	-H140	071-32	
85	41	1.0	8.7	31	36	40	85	41	1.0	151	40	1.0	16.660	-H45	071-32	
83	41	4.5	8.6	32	36	41	83	41	4.5	149	41	3.8	16.923	-H320	071-32	
79	43	2.3	8.2	33	34	43	79	43	2.3	142	43	2.0	17.750	-H100	071-32	
79	43	3.2	8.1	33	34	43	79	43	3.2	142	43	2.7	17.802	-H140	071-32	
74	46	0.9	7.6	36	32	46	74	46	0.9	133	46	0.9	19.013	-H45	071-32	
72	47	2.1	7.4	37	31	47	72	47	2.1	129	47	1.8	19.486	-H100	071-32	
71	48	2.9	7.3	37	30	48	71	48	2.9	128	48	2.5	19.750	-H140	071-32	
66	52	0.9	6.8	40	28	52	66	52	0.9	118	52	0.8	21.350	-H45	071-32	
65	53	3.7	6.7	41	28	53	65	53	3.7	116	53	3.2	21.802	-H210	071-32	
65	53	2.6	6.6	41	28	53	65	53	2.6	116	53	2.2	21.808	-H140	071-32	
63	54	1.8	6.5	42	27	54	63	54	1.8	113	54	1.6	22.314	-H100	071-32	
59	58	3.7	6.1	45	25	58	59	58	3.7	106	58	3.2	23.754	-H320	071-32	
58	59	3.5	5.9	46	25	59	58	59	3.5	103	59	3.0	24.405	-H210	071-32	
57	60	2.3	5.8	47	24	60	57	60	2.3	102	60	2.0	24.829	-H140	071-32	
56	61	1.6	5.8	47	24	61	56	61	1.6	100	61	1.4	25.095	-H100	071-32	
52	66	3.7	5.4	51	22	65	52	66	3.7	93	65	3.6	26.983	-H320	071-32	
52	66	3.2	5.3	51	22	66	52	66	3.2	93	66	3.0	27.119	-H210	071-32	
51	67	2.1	5.3	51	22	67	51	67	2.1	92	67	2.0	27.415	-H140	071-32	
49	70	1.4	5.0	54	21	70	49	70	1.4	88	70	1.4	28.738	-H100	071-32	
48	72	3.2	4.9	55	20	72	48	72	3.2	85	72	3.0	29.548	-H320	071-32	
46	74	2.9	4.8	57	20	74	46	74	2.9	83	74	2.7	30.357	-H210	071-32	
44	77	1.3	4.6	60	19	77	44	77	1.3	79	77	1.2	31.805	-H100	071-32	
44	78	1.8	4.5	60	19	78	44	78	1.8	79	78	1.7	31.976	-H140	071-32	
42	82	3.2	4.3	63	18	81	42	82	3.2	75	81	3.0	33.564	-H320	071-32	
40	85	2.5	4.1	66	17	85	40	85	2.5	72	85	2.4	35.095	-H210	071-32	
40	86	1.6	4.1	66	17	86	40	86	1.6	71	86	1.6	35.308	-H140	071-32	

g500-H helical geared motors

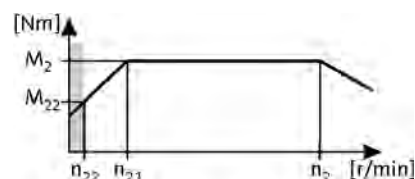


Technical data

Selection tables, 4-pole motors

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

2-stage gearboxes



Mains operation 400 V, 50 Hz			Inverter operation										i	Product		
n ₂ [r/min]	M ₂ [Nm]	c	5 Hz -		- 20 Hz		- 50 Hz (1:10)			- 87 Hz (1:17.4)				g500	MD□MA□□	
			n ₂₂ [r/min]	M ₂₂ [Nm]	n ₂₁ [r/min]	M ₂ [Nm]	n ₂ [r/min]	M ₂ [Nm]	c	n ₂ [r/min]	M ₂ [Nm]	c	n ₂ [r/min]			M ₂ [Nm]
40	87	3.2	4.1	67	17	87	40	87	3.2	71	87	3.0	35.689	-H450	071-32	
39	89	1.1	4.0	68	17	88	39	89	1.1	69	88	1.1	36.422	-H100	071-32	
37	93	2.7	3.8	72	16	93	37	93	2.7	66	93	2.6	38.238	-H320	071-32	
36	96	2.2	3.7	74	15	95	36	96	2.2	64	95	2.1	39.286	-H210	071-32	
35	97	1.0	3.6	75	15	97	35	97	1.0	63	97	1.0	39.857	-H100	071-32	
35	98	3.2	3.6	76	15	98	35	98	3.2	63	98	3.2	40.333	-H450	071-32	
35	99	1.4	3.6	76	15	98	35	99	1.4	62	98	1.4	40.526	-H140	071-32	
35	99	3.2	3.6	76	15	98	35	99	3.2	62	98	3.2	40.578	-H600	071-32	
33	104	1.8	3.4	80	14	103	33	104	1.8	59	103	1.8	42.593	-H210	071-32	
33	105	2.8	3.3	81	14	105	33	105	2.8	58	105	2.8	43.313	-H450	071-32	
33	106	2.7	3.3	81	14	105	33	106	2.7	58	105	2.7	43.436	-H320	071-32	
32	109	1.3	3.2	84	13	109	32	109	1.3	56	109	1.3	44.748	-H140	071-32	
31	111	3.2	3.2	85	13	111	31	111	3.2	55	111	3.2	45.571	-H600	071-32	
31	111	0.9	3.2	85	13	111	31	111	0.9	55	111	0.9	45.643	-H100	071-32	
30	113	1.9	3.1	87	13	113	30	113	1.9	54	113	1.9	46.407	-H320	071-32	
30	116	1.8	3.0	89	13	116	30	116	1.8	53	116	1.8	47.679	-H210	071-32	
29	119	2.8	3.0	92	12	119	29	119	2.8	52	119	2.8	48.950	-H450	071-32	
29	120	2.8	2.9	92	12	119	29	120	2.8	51	119	2.8	49.247	-H600	071-32	
28	123	1.1	2.9	95	12	123	28	123	1.1	50	123	1.1	50.786	-H140	071-32	
27	128	1.9	2.8	99	11	128	27	128	1.9	48	128	1.9	52.715	-H320	071-32	
26	132	1.0	2.7	102	11	132	26	132	1.0	46	132	1.0	54.438	-H210	071-32	
26	133	2.1	2.6	103	11	133	26	133	2.1	46	133	2.1	54.750	-H450	071-32	
26	134	2.8	2.6	104	11	134	26	134	2.8	46	134	2.8	55.307	-H600	071-32	
25	136	1.0	2.6	105	11	136	25	136	1.0	45	136	1.0	56.077	-H140	071-32	
23	148	1.1	2.4	114	9.8	148	23	148	1.1	41	148	1.1	60.938	-H210	071-32	
23	150	2.0	2.3	116	9.7	150	23	150	2.0	41	150	2.0	61.875	-H450	071-32	
23	151	2.2	2.3	117	9.6	151	23	151	2.2	41	151	2.3	62.250	-H600	071-32	
20	170	2.2	2.1	131	8.6	170	20	170	2.2	36	170	2.3	69.911	-H600	071-32	

3-stage gearboxes

Mains operation 400 V, 50 Hz			Inverter operation										i	Product		
n ₂ [r/min]	M ₂ [Nm]	c	5 Hz -		- 20 Hz		- 50 Hz (1:10)			- 87 Hz (1:17.4)				g500	MD□MA□□	
			n ₂₂ [r/min]	M ₂₂ [Nm]	n ₂₁ [r/min]	M ₂ [Nm]	n ₂ [r/min]	M ₂ [Nm]	c	n ₂ [r/min]	M ₂ [Nm]	c	n ₂ [r/min]			M ₂ [Nm]
33	104	2.0	3.3	80	14	104	33	104	2.0	58	104	1.7	43.390	-H210	071-32	
32	105	4.9	3.3	81	14	104	32	105	4.9	58	104	4.1	43.676	-H600	071-32	
32	106	4.3	3.3	81	14	105	32	106	4.3	57	105	3.6	44.124	-H450	071-32	
30	113	2.8	3.1	87	13	113	30	113	2.8	53	113	2.7	47.276	-H320	071-32	
29	116	1.8	3.0	90	12	116	29	116	1.8	52	116	1.7	48.571	-H210	071-32	
29	117	4.9	3.0	90	12	117	29	117	4.9	51	117	4.7	49.051	-H600	071-32	
28	119	3.8	2.9	92	12	119	28	119	3.8	51	119	3.6	49.867	-H450	071-32	

g500-H helical geared motors

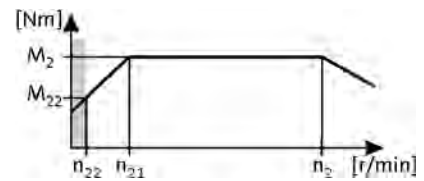


Technical data

Selection tables, 4-pole motors

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

3-stage gearboxes



Mains operation 400 V, 50 Hz			Inverter operation										i	Product		
n_2 [r/min]	M_2 [Nm]	c	5 Hz -		- 20 Hz		- 50 Hz (1:10)			- 87 Hz (1:17.4)				g500	MD□MA□□	
n_2 [r/min]	M_2 [Nm]	c	n_{22} [r/min]	M_{22} [Nm]	n_{21} [r/min]	M_2 [Nm]	n_2 [r/min]	M_2 [Nm]	c	n_2 [r/min]	M_2 [Nm]	c				
26	129	2.5	2.7	99	11	128	26	129	2.5	47	128	2.4	53.703	-H320	071-32	
25	133	1.6	2.6	102	11	133	25	133	1.6	45	133	1.5	55.529	-H210	071-32	
25	133	4.5	2.6	103	11	133	25	133	4.5	45	133	4.3	55.710	-H600	071-32	
25	135	3.3	2.6	104	11	135	25	135	3.3	45	135	3.2	56.469	-H450	071-32	
23	145	2.2	2.4	112	9.9	145	23	145	2.2	42	145	2.1	60.502	-H320	071-32	
23	148	3.0	2.3	114	9.7	148	23	148	3.0	41	148	2.9	61.774	-H450	071-32	
23	149	1.4	2.3	115	9.7	149	23	149	1.4	41	149	1.4	62.160	-H210	071-32	
23	150	4.0	2.3	115	9.6	150	23	150	4.0	40	150	3.8	62.566	-H600	071-32	
21	165	1.9	2.1	127	8.7	164	21	165	1.9	37	164	1.9	68.726	-H320	071-32	
20	167	2.7	2.1	129	8.6	167	20	167	2.7	36	167	2.6	69.813	-H450	071-32	
20	170	1.2	2.0	131	8.4	170	20	170	1.2	36	170	1.2	71.026	-H210	071-32	
18	185	1.7	1.9	143	7.8	185	18	185	1.7	33	185	1.7	77.387	-H320	071-32	
18	189	2.4	1.8	145	7.6	188	18	189	2.4	32	188	2.3	78.794	-H450	071-32	
18	190	1.1	1.8	147	7.5	190	18	190	1.1	32	190	1.1	79.507	-H210	071-32	
16	211	1.5	1.6	162	6.8	210	16	211	1.5	29	210	1.5	87.906	-H320	071-32	
16	213	2.8	1.6	164	6.8	212	16	213	2.8	28	212	2.8	88.826	-H600	071-32	
16	213	2.1	1.6	164	6.7	213	16	213	2.1	28	213	2.1	89.048	-H450	071-32	
15	221	1.0	1.6	170	6.5	220	15	221	1.0	27	220	1.0	92.205	-H210	071-32	
15	231	2.0	1.5	178	6.2	231	15	231	2.0	26	231	2.0	96.522	-H450	071-32	
14	239	2.5	1.5	184	6.0	238	14	239	2.5	25	238	2.5	99.757	-H600	071-32	
14	241	1.3	1.4	185	6.0	240	14	241	1.3	25	240	1.3	100.462	-H320	071-32	
14	247	0.9	1.4	190	5.8	247	14	247	0.9	24	247	0.9	103.214	-H210	071-32	
13	261	1.7	1.3	201	5.5	261	13	261	1.7	23	261	1.7	109.083	-H450	071-32	
13	265	2.3	1.3	204	5.4	264	13	265	2.3	23	264	2.3	110.491	-H600	071-32	
12	273	1.2	1.3	210	5.3	273	12	273	1.2	22	273	1.2	114.118	-H320	071-32	
12	291	1.6	1.2	224	4.9	290	12	291	1.6	21	290	1.6	121.342	-H450	071-32	
11	297	2.0	1.2	229	4.8	297	11	297	2.0	20	297	2.0	124.088	-H600	071-32	
11	308	1.0	1.1	237	4.7	308	11	308	1.0	20	308	1.0	128.743	-H320	071-32	
10	324	2.6	1.1	250	4.4	324	10	324	2.6	19	324	2.6	135.373	-H850	071-32	
10	328	1.4	1.1	253	4.4	328	10	328	1.4	18	328	1.4	137.133	-H450	071-32	
9.9	342	1.8	1.0	264	4.2	342	9.9	342	1.8	18	342	1.8	142.988	-H600	071-32	
9.6	350	0.9	1.0	270	4.1	350	9.6	350	0.9	17	350	0.9	146.244	-H320	071-32	
9.3	362	2.4	1.0	279	4.0	362	9.3	362	2.4	17	362	2.4	151.262	-H850	071-32	
9.0	374	1.2	0.9	288	3.8	374	9.0	374	1.2	16	374	1.2	156.274	-H450	071-32	
8.8	385	1.6	0.9	296	3.7	384	8.8	385	1.6	16	384	1.6	160.585	-H600	071-32	

g500-H helical geared motors

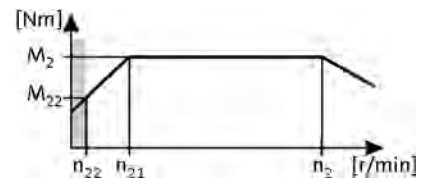


Technical data

Selection tables, 4-pole motors

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

3-stage gearboxes



Mains operation 400 V, 50 Hz			Inverter operation										i	Product		
n_2 [r/min]	M_2 [Nm]	c	5 Hz -		- 20 Hz		- 50 Hz (1:10)			- 87 Hz (1:17.4)				g500	MD□MA□□	
n_2 [r/min]	M_2 [Nm]	c	n_{22} [r/min]	M_{22} [Nm]	n_{21} [r/min]	M_2 [Nm]	n_2 [r/min]	M_2 [Nm]	c	n_2 [r/min]	M_2 [Nm]	c				
8.6	393	2.2	0.9	303	3.7	393	8.6	393	2.2	15	393	2.2	164.294	-H850	071-32	
8.1	416	1.4	0.8	320	3.5	415	8.1	416	1.4	15	415	1.5	173.536	-H600	071-32	
8.0	423	1.1	0.8	326	3.4	422	8.0	423	1.1	14	422	1.1	176.611	-H450	071-32	
7.7	440	1.9	0.8	339	3.3	439	7.7	440	1.9	14	439	1.9	183.577	-H850	071-32	
7.2	467	1.3	0.7	359	3.1	466	7.2	467	1.3	13	466	1.3	194.892	-H600	071-32	
7.1	474	1.0	0.7	365	3.0	473	7.1	474	1.0	13	473	1.0	198.059	-H450	071-32	
6.8	497	1.7	0.7	383	2.9	496	6.8	497	1.7	12	496	1.7	207.675	-H850	071-32	
6.4	531	1.1	0.7	409	2.7	530	6.4	531	1.1	11	530	1.1	221.794	-H600	071-32	
6.3	536	0.8	0.6	413	2.7	535	6.3	536	0.8	11	535	0.8	223.833	-H450	071-32	
6.1	556	1.5	0.6	428	2.6	555	6.1	556	1.5	11	555	1.5	232.050	-H850	071-32	
5.7	597	1.0	0.6	459	2.4	595	5.7	597	1.0	10	595	1.0	249.089	-H600	071-32	

g500-H helical geared motors

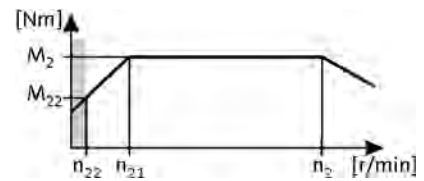


Technical data

Selection tables, 4-pole motors

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

2-stage gearboxes



Mains operation 400 V, 50 Hz			Inverter operation										i	Product		
n_2 [r/min]	M_2 [Nm]	c	5 Hz -		- 20 Hz		- 50 Hz (1:10)			- 87 Hz (1:17.4)				g500	MD□MA□□	
n_2 [r/min]	M_2 [Nm]	c	n_{22} [r/min]	M_{22} [Nm]	n_{21} [r/min]	M_2 [Nm]	n_2 [r/min]	M_2 [Nm]	c	n_2 [r/min]	M_2 [Nm]	c				
541	9.0	1.9	56	7.3	231	10	541	9.0	1.9	968	10	1.6	2.597	-H45	071-42	
430	12	4.5	44	9.1	184	12	430	12	4.5	770	12	3.8	3.267	-H140	071-42	
419	12	4.5	43	9.4	179	12	419	12	4.5	750	12	3.8	3.354	-H100	071-42	
415	12	5.1	43	9.5	177	12	415	12	5.1	742	12	4.3	3.389	-H210	071-42	
415	12	5.1	43	9.5	177	12	415	12	5.1	742	12	4.3	3.389	-H320	071-42	
412	12	1.5	43	9.5	176	12	412	12	1.5	737	13	1.3	3.413	-H45	071-42	
322	16	1.3	33	12	137	16	322	16	1.3	576	16	1.1	4.368	-H45	071-42	
314	16	4.5	32	13	134	16	314	16	4.5	561	17	3.8	4.480	-H140	071-42	
305	17	4.3	32	13	130	17	305	17	4.3	547	17	3.6	4.600	-H100	071-42	
272	19	4.0	28	14	116	19	272	19	4.0	487	19	3.3	5.167	-H100	071-42	
265	19	1.4	27	15	113	19	265	19	1.4	473	20	1.2	5.312	-H45	071-42	
252	20	5.1	26	16	108	20	252	20	5.1	450	21	4.3	5.583	-H210	071-42	
245	21	4.2	25	16	105	21	245	21	4.2	439	21	3.5	5.733	-H140	071-42	
239	21	3.8	25	16	102	21	239	21	3.8	427	22	3.1	5.887	-H100	071-42	
236	22	1.3	24	17	101	22	236	22	1.3	422	22	1.1	5.965	-H45	071-42	
231	22	5.1	24	17	99	22	231	22	5.1	413	22	4.3	6.083	-H320	071-42	
225	23	5.1	23	18	96	23	225	23	5.1	402	23	4.3	6.250	-H210	071-42	
224	23	4.2	23	18	96	23	224	23	4.2	401	23	3.5	6.272	-H140	071-42	
218	23	3.6	23	18	93	23	218	23	3.6	391	24	2.9	6.440	-H100	071-42	
203	25	5.1	21	19	87	25	203	25	5.1	364	25	4.3	6.910	-H320	071-42	
201	25	1.2	21	20	86	25	201	25	1.2	360	26	1.0	6.982	-H45	071-42	
198	26	3.4	21	20	85	26	198	26	3.4	355	26	2.8	7.086	-H100	071-42	
193	26	4.0	20	20	83	26	193	26	4.0	346	27	3.3	7.269	-H140	071-42	
179	28	1.1	19	22	77	28	179	28	1.1	321	29	0.9	7.840	-H45	071-42	
176	29	3.8	18	22	75	29	176	29	3.8	314	29	3.2	8.000	-H140	071-42	
171	30	3.1	18	23	73	30	171	30	3.1	306	30	2.6	8.214	-H100	071-42	
157	32	1.0	16	25	67	32	157	32	1.0	282	33	0.8	8.935	-H45	071-42	
156	33	3.6	16	25	67	33	156	33	3.6	279	33	3.0	9.029	-H140	071-42	
155	33	2.9	16	25	66	33	155	33	2.9	277	33	2.4	9.068	-H100	071-42	
143	36	4.5	15	27	61	36	143	36	4.5	257	36	3.7	9.799	-H210	071-42	
143	36	3.4	15	27	61	36	143	36	3.4	257	36	2.8	9.800	-H140	071-42	
140	36	1.0	15	28	60	36	140	36	1.0				10.033	-H45	071-42	
140	36	2.7	14	28	60	36	140	36	2.7	250	37	2.3	10.063	-H100	071-42	
132	39	4.5	14	30	56	39	132	39	4.5	236	39	3.7	10.677	-H320	071-42	
131	39	4.5	14	30	56	39	131	39	4.5	235	39	3.8	10.720	-H210	071-42	

g500-H helical geared motors

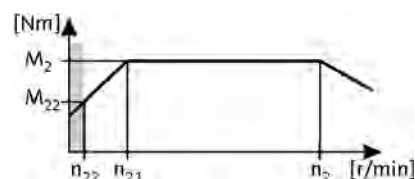


Technical data

Selection tables, 4-pole motors

50 Hz: $P_N = 0.55 \text{ kW}$
 87 Hz: $P_N = 1.0 \text{ kW}$

2-stage gearboxes



Mains operation 400 V, 50 Hz			Inverter operation										i	Product		
n_2 [r/min]	M_2 [Nm]	c	5 Hz -		- 20 Hz		- 50 Hz (1:10)			- 87 Hz (1:17.4)				g500	MD□MA□□	
n_2 [r/min]	M_2 [Nm]	c	n_{22} [r/min]	M_{22} [Nm]	n_{21} [r/min]	M_2 [Nm]	n_2 [r/min]	M_2 [Nm]	c	n_2 [r/min]	M_2 [Nm]	c				
124	41	2.4	13	32	53	41	124	41	2.4	221	42	2.0	11.360	-H100	071-42	
123	41	0.8	13	32	53	41	123	41	0.8				11.429	-H45	071-42	
122	42	3.1	13	32	52	42	122	42	3.1	218	43	2.5	11.554	-H140	071-42	
120	42	4.5	12	33	51	42	120	42	4.5	215	43	3.8	11.680	-H320	071-42	
117	44	4.3	12	34	50	44	117	44	4.3	210	44	3.5	12.000	-H210	071-42	
116	44	4.5	12	34	50	44	116	44	4.5	207	45	3.7	12.128	-H320	071-42	
111	46	2.9	12	35	48	46	111	46	2.9	199	47	2.4	12.640	-H140	071-42	
111	46	2.2	12	35	47	46	111	46	2.2	199	47	1.8	12.653	-H100	071-42	
110	47	0.8	11	36	47	47	110	47	0.8				12.833	-H45	071-42	
106	48	4.5	11	37	45	48	106	48	4.5	190	49	3.8	13.268	-H320	071-42	
103	50	4.1	11	38	44	50	103	50	4.1	184	50	3.4	13.673	-H210	071-42	
101	50	4.5	10	39	43	50	101	50	4.5	181	51	3.7	13.905	-H450	071-42	
101	51	2.7	10	39	43	51	101	51	2.7	180	51	2.2	13.957	-H140	071-42	
97	53	1.9	10	41	41	53	97	53	1.9	174	53	1.6	14.490	-H100	071-42	
94	54	4.2	9.7	42	40	54	94	54	4.2	169	55	3.5	14.898	-H320	071-42	
92	56	3.6	9.5	43	39	56	92	56	3.6	164	56	3.0	15.306	-H210	071-42	
91	56	1.8	9.4	43	39	56	91	56	1.8	162	57	1.5	15.500	-H100	071-42	
89	57	4.5	9.2	44	38	57	89	57	4.5	160	58	3.7	15.714	-H450	071-42	
89	57	4.5	9.2	44	38	57	89	57	4.5	159	58	3.7	15.810	-H600	071-42	
87	58	2.4	9.0	45	37	58	87	58	2.4	156	59	2.0	16.122	-H140	071-42	
84	61	3.5	8.7	47	36	61	84	61	3.5	150	62	2.9	16.750	-H210	071-42	
83	61	4.2	8.6	47	36	61	83	61	4.2	149	62	3.5	16.923	-H320	071-42	
79	64	1.6	8.2	50	34	64	79	64	1.6	142	65	1.3	17.750	-H100	071-42	
79	64	4.5	8.2	50	34	64	79	64	4.5	142	65	3.7	17.755	-H600	071-42	
79	65	2.2	8.1	50	34	65	79	65	2.2	141	66	1.8	17.802	-H140	071-42	
77	66	3.7	7.9	51	33	66	77	66	3.7	138	67	3.1	18.250	-H320	071-42	
75	68	3.1	7.7	52	32	68	75	68	3.1	134	69	2.6	18.750	-H210	071-42	
72	71	1.4	7.4	54	31	71	72	71	1.4	129	72	1.2	19.486	-H100	071-42	
71	72	2.0	7.3	55	30	72	71	72	2.0	127	73	1.6	19.750	-H140	071-42	
68	75	3.7	7.0	58	29	75	68	75	3.7	121	76	3.1	20.731	-H320	071-42	
64	79	2.7	6.7	61	28	79	64	79	2.7	115	80	2.2	21.802	-H210	071-42	
64	79	1.8	6.6	61	28	79	64	79	1.8	115	80	1.5	21.808	-H140	071-42	
63	80	3.7	6.5	62	27	80	63	80	3.7	113	82	3.1	22.170	-H450	071-42	
63	81	1.2	6.5	62	27	81	63	81	1.2	113	82	1.0	22.314	-H100	071-42	
59	86	3.4	6.1	66	25	86	59	86	3.4	106	88	2.8	23.754	-H320	071-42	

g500-H helical geared motors

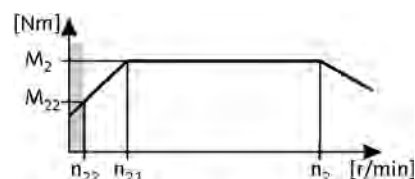


Technical data

Selection tables, 4-pole motors

50 Hz: $P_N = 0.55 \text{ kW}$
 87 Hz: $P_N = 1.0 \text{ kW}$

2-stage gearboxes



Mains operation 400 V, 50 Hz			Inverter operation										i	Product		
n_2 [r/min]	M_2 [Nm]	c	5 Hz -		- 20 Hz		- 50 Hz (1:10)			- 87 Hz (1:17.4)				g500	MD□MA□□	
n_{22} [r/min]	M_{22} [Nm]		n_{21} [r/min]	M_2 [Nm]	n_2 [r/min]	M_2 [Nm]	c	n_2 [r/min]	M_2 [Nm]	c	n_2 [r/min]	M_2 [Nm]	c			
58	89	2.4	5.9	68	25	89	58	89	2.4	103	90	2.0	24.405	-H210	071-42	
57	90	1.6	5.8	69	24	90	57	90	1.6	101	91	1.3	24.829	-H140	071-42	
56	91	3.7	5.8	70	24	91	56	91	3.7	100	92	3.1	25.056	-H450	071-42	
56	91	1.1	5.8	70	24	91	56	91	1.1	100	92	0.9	25.095	-H100	071-42	
56	91	3.7	5.8	70	24	91	56	91	3.7	100	93	3.1	25.207	-H600	071-42	
52	98	3.3	5.4	75	22	98	52	98	3.3	93	99	3.1	26.983	-H320	071-42	
52	98	2.1	5.3	76	22	100	52	98	2.1	93	100	2.0	27.119	-H210	071-42	
51	99	1.4	5.3	77	22	101	51	99	1.4	92	101	1.3	27.415	-H140	071-42	
51	100	3.2	5.3	77	22	100	51	100	3.2	91	102	3.0	27.578	-H450	071-42	
50	103	3.7	5.1	79	21	103	50	103	3.7	89	104	3.5	28.310	-H600	071-42	
49	104	1.0	5.0	80	21	104	49	104	1.0	88	106	0.9	28.738	-H100	071-42	
48	107	2.9	4.9	83	20	107	48	107	2.9	85	109	2.7	29.548	-H320	071-42	
46	110	1.9	4.8	85	20	110	46	110	1.9	83	112	1.8	30.357	-H210	071-42	
45	113	3.2	4.7	87	19	113	45	113	3.2	81	115	3.0	31.167	-H450	071-42	
45	114	3.2	4.6	88	19	114	45	114	3.2	80	116	3.0	31.356	-H600	071-42	
44	116	1.2	4.5	89	19	116	44	116	1.2	79	118	1.1	31.976	-H140	071-42	
42	122	2.6	4.3	94	18	122	42	122	2.6	75	124	2.5	33.564	-H320	071-42	
40	127	1.7	4.1	98	17	127	40	127	1.7	72	129	1.6	35.095	-H210	071-42	
40	128	3.2	4.1	98	17	128	40	128	3.2	71	130	3.0	35.214	-H600	071-42	
40	128	1.1	4.1	99	17	128	40	128	1.1	71	130	1.0	35.308	-H140	071-42	
39	129	2.9	4.1	100	17	129	39	129	2.9	71	131	2.7	35.689	-H450	071-42	
38	135	3.2	3.9	104	16	135	38	135	3.2	68	137	3.0	37.190	-H850	071-42	
37	139	1.8	3.8	107	16	139	37	139	1.8	66	141	1.7	38.238	-H320	071-42	
36	142	1.5	3.7	110	15	142	36	142	1.5	64	145	1.4	39.286	-H210	071-42	
35	146	2.9	3.6	113	15	146	35	146	2.9	62	149	2.8	40.333	-H450	071-42	
35	147	2.9	3.6	113	15	147	35	147	2.9	62	149	2.8	40.578	-H600	071-42	
34	151	3.2	3.5	116	14	151	34	151	3.2	61	153	3.1	41.556	-H850	071-42	
33	154	1.2	3.4	119	14	154	33	154	1.2	59	157	1.2	42.593	-H210	071-42	
32	157	2.1	3.3	121	14	157	32	157	2.1	58	160	2.0	43.313	-H450	071-42	
32	158	1.8	3.3	121	14	158	32	158	1.8	58	160	1.8	43.436	-H320	071-42	
31	164	2.8	3.2	126	13	164	31	164	2.8	56	166	2.7	45.136	-H850	071-42	
31	165	2.9	3.2	127	13	165	31	165	2.9	55	168	2.8	45.571	-H600	071-42	
30	168	1.3	3.1	130	13	168	30	168	1.3	54	171	1.3	46.407	-H320	071-42	
30	173	1.2	3.0	133	13	173	30	173	1.2	53	176	1.2	47.679	-H210	071-42	
29	178	2.1	3.0	137	12	178	29	178	2.1	51	180	2.0	48.950	-H450	071-42	

g500-H helical geared motors

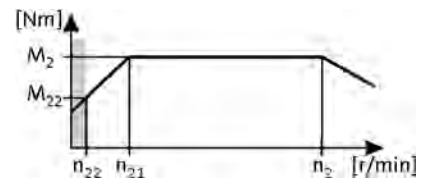


Technical data

Selection tables, 4-pole motors

50 Hz: $P_N = 0.55 \text{ kW}$
 87 Hz: $P_N = 1.0 \text{ kW}$

2-stage gearboxes



Mains operation 400 V, 50 Hz			Inverter operation										i	Product		
n_2 [r/min]	M_2 [Nm]	c	5 Hz -		- 20 Hz		- 50 Hz (1:10)			- 87 Hz (1:17.4)				g500	MD□MA□□	
n_2 [r/min]	M_2 [Nm]	c	n_{22} [r/min]	M_{22} [Nm]	n_{21} [r/min]	M_2 [Nm]	n_2 [r/min]	M_2 [Nm]	c	n_2 [r/min]	M_2 [Nm]	c				
29	179	2.4	2.9	138	12	179	29	179	2.4	51	181	2.4	49.247	-H600	071-42	
28	183	2.8	2.9	141	12	183	28	183	2.8	50	186	2.7	50.433	-H850	071-42	
27	191	1.3	2.8	147	11	191	27	191	1.3	48	194	1.3	52.715	-H320	071-42	
26	199	1.4	2.6	153	11	199	26	199	1.4	46	202	1.3	54.750	-H450	071-42	
25	201	2.4	2.6	155	11	201	25	201	2.4	46	204	2.4	55.307	-H600	071-42	
23	224	1.4	2.3	173	9.7	224	23	224	1.4	41	228	1.3	61.875	-H450	071-42	
23	226	1.4	2.3	174	9.6	226	23	226	1.4	40	229	1.3	62.250	-H600	071-42	
20	254	1.4	2.1	195	8.6	254	20	254	1.4	36	258	1.3	69.911	-H600	071-42	

3-stage gearboxes

Mains operation 400 V, 50 Hz			Inverter operation										i	Product		
n_2 [r/min]	M_2 [Nm]	c	5 Hz -		- 20 Hz		- 50 Hz (1:10)			- 87 Hz (1:17.4)				g500	MD□MA□□	
n_2 [r/min]	M_2 [Nm]	c	n_{22} [r/min]	M_{22} [Nm]	n_{21} [r/min]	M_2 [Nm]	n_2 [r/min]	M_2 [Nm]	c	n_2 [r/min]	M_2 [Nm]	c				
35	143	4.2	3.6	110	15	143	35	143	4.2	63	145	3.5	39.925	-H600	071-42	
32	155	1.4	3.3	119	14	155	32	155	1.4	58	157	1.1	43.390	-H210	071-42	
32	156	3.9	3.3	120	14	156	32	156	3.9	58	158	3.2	43.676	-H600	071-42	
32	158	2.9	3.3	121	14	158	32	158	2.9	57	160	2.4	44.124	-H450	071-42	
30	169	1.9	3.1	130	13	169	30	169	1.9	53	172	1.8	47.276	-H320	071-42	
29	174	1.2	3.0	134	12	174	29	174	1.2	52	176	1.1	48.571	-H210	071-42	
29	175	3.4	3.0	135	12	175	29	175	3.4	51	178	3.2	49.051	-H600	071-42	
28	178	2.5	2.9	137	12	178	28	178	2.5	50	181	2.4	49.867	-H450	071-42	
27	188	4.5	2.7	145	11	188	27	188	4.5	48	191	4.2	52.743	-H850	071-42	
26	192	1.7	2.7	148	11	192	26	192	1.7	47	195	1.6	53.703	-H320	071-42	
25	198	1.1	2.6	153	11	198	25	198	1.1	45	201	1.0	55.529	-H210	071-42	
25	199	3.0	2.6	153	11	199	25	199	3.0	45	202	2.8	55.710	-H600	071-42	
25	202	2.2	2.6	155	11	202	25	202	2.2	45	205	2.1	56.469	-H450	071-42	
24	211	4.0	2.5	162	10	211	24	211	4.0	43	214	3.8	58.933	-H850	071-42	
23	216	1.5	2.4	166	9.9	216	23	216	1.5	42	220	1.4	60.502	-H320	071-42	
23	221	2.0	2.3	170	9.7	221	23	221	2.0	41	224	1.9	61.774	-H450	071-42	
23	222	1.0	2.3	171	9.7	222	23	222	1.0	41	226	0.9	62.160	-H210	071-42	
23	224	2.7	2.3	172	9.6	224	23	224	2.7	40	227	2.5	62.566	-H600	071-42	
21	244	2.5	2.1	188	8.8	244	21	244	2.5	37	248	2.3	68.244	-H600	071-42	
20	246	1.3	2.1	189	8.7	246	20	246	1.3	37	249	1.2	68.726	-H320	071-42	
20	249	1.8	2.1	192	8.6	249	20	249	1.8	36	253	1.7	69.813	-H450	071-42	
20	254	0.8	2.0	195	8.4	254	20	254	0.8				71.026	-H210	071-42	
18	274	2.2	1.9	211	7.8	274	18	274	2.2	33	278	2.1	76.643	-H600	071-42	
18	276	1.2	1.9	213	7.8	276	18	276	1.2	33	281	1.1	77.387	-H320	071-42	
18	281	1.6	1.8	217	7.6	281	18	281	1.6	32	286	1.5	78.794	-H450	071-42	
17	300	2.8	1.7	231	7.1	300	17	300	2.8	30	305	2.8	84.096	-H850	071-42	
16	314	1.0	1.6	242	6.8	314	16	314	1.0	29	319	1.0	87.906	-H320	071-42	

g500-H helical geared motors

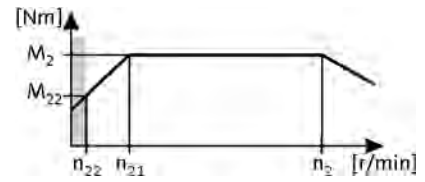


Technical data

Selection tables, 4-pole motors

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

3-stage gearboxes



Mains operation 400 V, 50 Hz			Inverter operation										i	Product		
n_2 [r/min]	M_2 [Nm]	c	5 Hz -		- 20 Hz		- 50 Hz (1:10)			- 87 Hz (1:17.4)				g500	MD□MA□□	
n_{22} [r/min]	M_{22} [Nm]		n_{22} [r/min]	M_{22} [Nm]	n_{21} [r/min]	M_2 [Nm]	n_2 [r/min]	M_2 [Nm]	c	n_2 [r/min]	M_2 [Nm]	c				
16	317	1.9	1.6	244	6.8	317	16	317	1.9	28	322	1.9	88.826	-H600	071-42	
16	318	1.4	1.6	245	6.7	318	16	318	1.4	28	323	1.4	89.048	-H450	071-42	
15	336	2.5	1.5	259	6.4	336	15	336	2.5	27	341	2.5	93.966	-H850	071-42	
15	345	1.3	1.5	266	6.2	345	15	345	1.3	26	350	1.3	96.522	-H450	071-42	
14	356	1.7	1.5	274	6.0	356	14	356	1.7	25	362	1.7	99.757	-H600	071-42	
14	359	0.9	1.4	276	6.0	359	14	359	0.9	25	365	0.9	100.462	-H320	071-42	
13	374	2.3	1.4	288	5.7	374	13	374	2.3	24	380	2.2	104.607	-H850	071-42	
13	390	1.2	1.3	300	5.5	390	13	390	1.2	23	396	1.1	109.083	-H450	071-42	
13	395	1.5	1.3	304	5.4	395	13	395	1.5	23	401	1.5	110.491	-H600	071-42	
12	418	2.0	1.2	322	5.1	418	12	418	2.0	22	424	2.0	116.884	-H850	071-42	
12	433	1.0	1.2	334	4.9	433	12	433	1.0	21	440	1.0	121.342	-H450	071-42	
11	443	1.4	1.2	341	4.8	443	11	443	1.4	20	450	1.3	124.088	-H600	071-42	
10	484	1.8	1.1	372	4.4	484	10	484	1.8	19	491	1.7	135.373	-H850	071-42	
10	490	0.9	1.1	377	4.4	490	10	490	0.9	18	498	0.9	137.133	-H450	071-42	
9.8	511	1.2	1.0	393	4.2	511	9.8	511	1.2	18	519	1.2	142.988	-H600	071-42	
9.3	540	1.6	1.0	416	4.0	540	9.3	540	1.6	17	549	1.6	151.262	-H850	071-42	
9.0	558	0.8	0.9	430	3.8	558	9.0	558	0.8				156.274	-H450	071-42	
8.7	574	1.1	0.9	442	3.7	574	8.7	574	1.1	16	583	1.0	160.585	-H600	071-42	
8.6	587	1.5	0.9	452	3.7	587	8.6	587	1.5	15	596	1.4	164.294	-H850	071-42	
8.1	620	1.0	0.8	477	3.5	620	8.1	620	1.0	15	630	1.0	173.536	-H600	071-42	
7.7	653	2.3	0.8	503	3.3	653	7.7	653	2.3	14	663	2.3	182.844	-H1500	071-42	
7.7	656	1.3	0.8	505	3.3	656	7.7	656	1.3	14	666	1.3	183.577	-H850	071-42	
7.2	696	0.9	0.7	536	3.1	696	7.2	696	0.9	13	707	0.9	194.892	-H600	071-42	
6.9	722	2.1	0.7	556	3.0	722	6.9	722	2.1	12	734	2.0	202.237	-H1500	071-42	
6.8	742	1.2	0.7	571	2.9	742	6.8	742	1.2	12	754	1.1	207.675	-H850	071-42	
6.3	793	1.9	0.7	610	2.7	793	6.3	793	1.9	11	805	1.9	221.907	-H1500	071-42	
6.1	829	1.0	0.6	638	2.6	829	6.1	829	1.0	11	842	1.0	232.050	-H850	071-42	
5.7	877	1.7	0.6	675	2.4	877	5.7	877	1.7	10	891	1.7	245.442	-H1500	071-42	
5.0	1002	1.5	0.5	772	2.1	1002	5.0	1002	1.5	9.0	1018	1.5	280.500	-H1500	071-42	
4.5	1108	1.4	0.5	853	1.9	1108	4.5	1108	1.4	8.1	1126	1.3	310.250	-H1500	071-42	

g500-H helical geared motors



Technical data

Selection tables, 4-pole motors

50 Hz: $P_N = 0.75$ kW

2-stage gearboxes

Mains operation 400 V, 50 Hz			i	Product		
n_2 [r/min]	M_2 [Nm]	c		g500	m2□□	
442	16	4.3	3.267	-H140	40-P80/M4	
430	16	3.8	3.354	-H100	40-P80/M4	
426	16	4.8	3.389	-H320	40-P80/M4	
426	16	4.8	3.389	-H210	40-P80/M4	
322	22	4.3	4.480	-H140	40-P80/M4	
314	22	3.3	4.600	-H100	40-P80/M4	
279	25	3.0	5.167	-H100	40-P80/M4	
258	27	4.8	5.583	-H210	40-P80/M4	
252	28	3.7	5.733	-H140	40-P80/M4	
245	28	2.9	5.887	-H100	40-P80/M4	
237	29	4.8	6.083	-H320	40-P80/M4	
231	30	4.8	6.250	-H210	40-P80/M4	
230	30	3.5	6.272	-H140	40-P80/M4	
224	31	2.7	6.440	-H100	40-P80/M4	
209	33	4.8	6.910	-H320	40-P80/M4	
204	34	2.5	7.086	-H100	40-P80/M4	
199	35	3.0	7.269	-H140	40-P80/M4	
180	39	3.0	8.000	-H140	40-P80/M4	
176	40	2.3	8.214	-H100	40-P80/M4	
160	43	2.7	9.029	-H140	40-P80/M4	
159	44	2.2	9.068	-H100	40-P80/M4	
147	47	3.9	9.799	-H210	40-P80/M4	
147	47	2.7	9.800	-H140	40-P80/M4	
143	48	2.0	10.063	-H100	40-P80/M4	
135	51	4.2	10.677	-H320	40-P80/M4	
135	52	3.7	10.720	-H210	40-P80/M4	
127	55	1.8	11.360	-H100	40-P80/M4	
125	56	2.3	11.554	-H140	40-P80/M4	
124	56	4.3	11.680	-H320	40-P80/M4	
120	58	3.2	12.000	-H210	40-P80/M4	
119	58	4.2	12.128	-H320	40-P80/M4	
114	61	2.2	12.640	-H140	40-P80/M4	
114	61	1.6	12.653	-H100	40-P80/M4	
109	64	4.1	13.268	-H320	40-P80/M4	
106	66	3.1	13.673	-H210	40-P80/M4	
104	67	4.2	13.905	-H450	40-P80/M4	
103	67	2.0	13.957	-H140	40-P80/M4	

g500-H helical geared motors

Technical data



Selection tables, 4-pole motors

50 Hz: $P_N = 0.75$ kW

2-stage gearboxes

Mains operation 400 V, 50 Hz			i	Product		
n_2 [r/min]	M_2 [Nm]	c		g500	m2□□	
100	70	1.4	14.490	-H100	40-P80/M4	
97	72	4.0	14.898	-H320	40-P80/M4	
94	74	2.7	15.306	-H210	40-P80/M4	
93	75	1.3	15.500	-H100	40-P80/M4	
92	76	4.2	15.714	-H450	40-P80/M4	
91	76	4.2	15.810	-H600	40-P80/M4	
90	78	1.8	16.122	-H140	40-P80/M4	
86	81	2.6	16.750	-H210	40-P80/M4	
85	81	3.5	16.923	-H320	40-P80/M4	
81	85	1.2	17.750	-H100	40-P80/M4	
81	85	4.2	17.755	-H600	40-P80/M4	
81	86	1.6	17.802	-H140	40-P80/M4	
79	88	3.5	18.250	-H320	40-P80/M4	
77	90	2.3	18.750	-H210	40-P80/M4	
74	94	1.1	19.486	-H100	40-P80/M4	
73	95	1.5	19.750	-H140	40-P80/M4	
70	100	3.0	20.731	-H320	40-P80/M4	
66	105	2.0	21.802	-H210	40-P80/M4	
66	105	1.3	21.808	-H140	40-P80/M4	
65	107	3.5	22.170	-H450	40-P80/M4	
65	107	0.9	22.314	-H100	40-P80/M4	
61	114	2.8	23.754	-H320	40-P80/M4	
59	118	1.8	24.405	-H210	40-P80/M4	
58	120	1.2	24.829	-H140	40-P80/M4	
58	121	3.5	25.056	-H450	40-P80/M4	
58	121	0.8	25.095	-H100	40-P80/M4	
57	121	3.5	25.207	-H600	40-P80/M4	
54	130	2.5	26.983	-H320	40-P80/M4	
53	131	1.6	27.119	-H210	40-P80/M4	
53	132	1.1	27.415	-H140	40-P80/M4	
52	133	3.0	27.578	-H450	40-P80/M4	
51	136	3.5	28.310	-H600	40-P80/M4	
49	142	2.3	29.548	-H320	40-P80/M4	
48	146	1.4	30.357	-H210	40-P80/M4	
46	150	3.0	31.167	-H450	40-P80/M4	
46	151	3.0	31.356	-H600	40-P80/M4	
45	154	0.9	31.976	-H140	40-P80/M4	

g500-H helical geared motors



Technical data

Selection tables, 4-pole motors

50 Hz: $P_N = 0.75$ kW

2-stage gearboxes

Mains operation 400 V, 50 Hz			i	Product		
n_2 [r/min]	M_2 [Nm]	c		g500	m2□□	
43	162	2.0	33.564	-H320	40-P80/M4	
41	169	1.2	35.095	-H210	40-P80/M4	
41	170	3.0	35.214	-H600	40-P80/M4	
41	170	0.8	35.308	-H140	40-P80/M4	
40	172	2.6	35.689	-H450	40-P80/M4	
39	179	3.0	37.190	-H850	40-P80/M4	
38	184	1.4	38.238	-H320	40-P80/M4	
37	189	1.1	39.286	-H210	40-P80/M4	
36	194	2.3	40.333	-H450	40-P80/M4	
36	195	2.7	40.578	-H600	40-P80/M4	
35	200	3.0	41.556	-H850	40-P80/M4	
34	205	0.9	42.593	-H210	40-P80/M4	
33	209	1.5	43.313	-H450	40-P80/M4	
33	209	1.4	43.436	-H320	40-P80/M4	
32	217	2.6	45.136	-H850	40-P80/M4	
32	219	2.7	45.571	-H600	40-P80/M4	
31	223	1.0	46.407	-H320	40-P80/M4	
30	230	0.9	47.679	-H210	40-P80/M4	
30	236	1.6	48.950	-H450	40-P80/M4	
29	237	1.9	49.247	-H600	40-P80/M4	
29	243	2.6	50.433	-H850	40-P80/M4	
27	254	1.0	52.715	-H320	40-P80/M4	
26	264	1.0	54.750	-H450	40-P80/M4	
26	266	1.9	55.307	-H600	40-P80/M4	
23	298	1.0	61.875	-H450	40-P80/M4	
23	300	1.2	62.250	-H600	40-P80/M4	
21	337	1.2	69.911	-H600	40-P80/M4	

3-stage gearboxes

Mains operation 400 V, 50 Hz			i	Product		
n_2 [r/min]	M_2 [Nm]	c		g500	m2□□	
36	189	3.2	39.925	-H600	40-P80/M4	
33	206	1.0	43.390	-H210	40-P80/M4	
33	207	2.9	43.676	-H600	40-P80/M4	
33	209	2.2	44.124	-H450	40-P80/M4	
31	224	1.4	47.276	-H320	40-P80/M4	
30	230	0.9	48.571	-H210	40-P80/M4	
29	233	2.6	49.051	-H600	40-P80/M4	
29	237	1.9	49.867	-H450	40-P80/M4	
27	250	3.4	52.743	-H850	40-P80/M4	
27	255	1.3	53.703	-H320	40-P80/M4	

g500-H helical geared motors

Technical data



Selection tables, 4-pole motors

50 Hz: $P_N = 0.75$ kW

3-stage gearboxes

Mains operation 400 V, 50 Hz			i	Product		
n_2 [r/min]	M_2 [Nm]	c		g500	m2□□	
26	264	2.3	55.710	-H600	40-P80/M4	
26	268	1.7	56.469	-H450	40-P80/M4	
25	280	3.0	58.933	-H850	40-P80/M4	
24	287	1.1	60.502	-H320	40-P80/M4	
23	293	1.5	61.774	-H450	40-P80/M4	
23	297	2.0	62.566	-H600	40-P80/M4	
21	324	1.9	68.244	-H600	40-P80/M4	
21	326	1.0	68.726	-H320	40-P80/M4	
21	331	1.4	69.813	-H450	40-P80/M4	
19	364	1.7	76.643	-H600	40-P80/M4	
19	367	0.9	77.387	-H320	40-P80/M4	
18	374	1.2	78.794	-H450	40-P80/M4	
17	399	2.1	84.096	-H850	40-P80/M4	
16	421	1.4	88.826	-H600	40-P80/M4	
16	422	1.1	89.048	-H450	40-P80/M4	
15	446	1.9	93.966	-H850	40-P80/M4	
15	458	1.0	96.522	-H450	40-P80/M4	
15	473	1.3	99.757	-H600	40-P80/M4	
14	496	1.7	104.607	-H850	40-P80/M4	
13	517	0.9	109.083	-H450	40-P80/M4	
13	524	1.1	110.491	-H600	40-P80/M4	
12	554	1.5	116.884	-H850	40-P80/M4	
12	589	1.0	124.088	-H600	40-P80/M4	
11	642	1.3	135.373	-H850	40-P80/M4	
10	678	0.9	142.988	-H600	40-P80/M4	
9.5	717	1.2	151.262	-H850	40-P80/M4	
8.8	779	1.1	164.294	-H850	40-P80/M4	
7.9	867	1.7	182.844	-H1500	40-P80/M4	
7.9	871	1.0	183.577	-H850	40-P80/M4	
7.1	959	1.6	202.237	-H1500	40-P80/M4	
6.9	985	0.9	207.675	-H850	40-P80/M4	
6.5	1053	1.4	221.907	-H1500	40-P80/M4	
5.9	1164	1.3	245.442	-H1500	40-P80/M4	
5.1	1330	1.1	280.500	-H1500	40-P80/M4	
4.7	1472	1.0	310.250	-H1500	40-P80/M4	

6.3

g500-H helical geared motors



Technical data

Selection tables, 4-pole motors

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

2-stage gearboxes

Mains operation 400 V, 50 Hz			i	Product		
n_2 [r/min]	M_2 [Nm]	c		g500	m2□□	
442	23	3.6	3.267	-H140	40-P90/M4	
431	24	2.6	3.354	-H100	40-P90/M4	
426	24	5.9	3.389	-H320	40-P90/M4	
426	24	5.3	3.389	-H210	40-P90/M4	
323	32	3.0	4.480	-H140	40-P90/M4	
314	32	2.2	4.600	-H100	40-P90/M4	
311	33	5.8	4.648	-H320	40-P90/M4	
311	33	4.4	4.648	-H210	40-P90/M4	
280	36	2.1	5.167	-H100	40-P90/M4	
259	39	4.0	5.583	-H210	40-P90/M4	
252	40	2.6	5.733	-H140	40-P90/M4	
252	40	5.8	5.733	-H600	40-P90/M4	
246	42	2.0	5.887	-H100	40-P90/M4	
239	43	5.8	6.045	-H450	40-P90/M4	
238	43	5.3	6.083	-H320	40-P90/M4	
231	44	3.6	6.250	-H210	40-P90/M4	
230	44	2.4	6.272	-H140	40-P90/M4	
224	45	1.8	6.440	-H100	40-P90/M4	
219	47	5.9	6.613	-H450	40-P90/M4	
209	49	4.5	6.910	-H320	40-P90/M4	
204	50	1.7	7.086	-H100	40-P90/M4	
199	51	2.1	7.269	-H140	40-P90/M4	
189	54	3.2	7.657	-H210	40-P90/M4	
181	56	2.1	8.000	-H140	40-P90/M4	
176	58	1.6	8.214	-H100	40-P90/M4	
173	59	4.2	8.343	-H320	40-P90/M4	
169	60	2.8	8.571	-H210	40-P90/M4	
160	64	1.8	9.029	-H140	40-P90/M4	
159	64	1.5	9.068	-H100	40-P90/M4	
153	67	3.6	9.477	-H320	40-P90/M4	
148	69	2.6	9.799	-H210	40-P90/M4	
147	69	1.8	9.800	-H140	40-P90/M4	
145	70	5.5	9.965	-H450	40-P90/M4	
144	71	1.4	10.063	-H100	40-P90/M4	
135	75	3.5	10.677	-H320	40-P90/M4	
135	76	2.5	10.720	-H210	40-P90/M4	
128	79	5.0	11.262	-H450	40-P90/M4	

6.3

g500-H helical geared motors

Technical data



Selection tables, 4-pole motors

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

2-stage gearboxes

Mains operation 400 V, 50 Hz			i	Product		
n_2 [r/min]	M_2 [Nm]	c		g500	m2□□	
128	80	5.8	11.330	-H600	40-P90/M4	
127	80	1.3	11.360	-H100	40-P90/M4	
125	81	1.6	11.554	-H140	40-P90/M4	
124	82	3.3	11.680	-H320	40-P90/M4	
120	85	2.2	12.000	-H210	40-P90/M4	
119	86	3.0	12.128	-H320	40-P90/M4	
117	87	4.7	12.320	-H450	40-P90/M4	
117	87	5.9	12.395	-H600	40-P90/M4	
114	89	1.5	12.640	-H140	40-P90/M4	
114	89	1.1	12.653	-H100	40-P90/M4	
109	94	2.8	13.268	-H320	40-P90/M4	
106	96	2.1	13.673	-H210	40-P90/M4	
104	98	4.3	13.905	-H450	40-P90/M4	
104	98	5.9	13.920	-H600	40-P90/M4	
104	98	1.4	13.957	-H140	40-P90/M4	
100	102	5.8	14.490	-H850	40-P90/M4	
100	102	1.0	14.490	-H100	40-P90/M4	
97	105	2.8	14.898	-H320	40-P90/M4	
94	108	1.9	15.306	-H210	40-P90/M4	
93	109	0.9	15.500	-H100	40-P90/M4	
92	111	4.0	15.714	-H450	40-P90/M4	
91	112	5.4	15.810	-H600	40-P90/M4	
90	114	1.2	16.122	-H140	40-P90/M4	
89	114	5.8	16.190	-H850	40-P90/M4	
86	118	1.8	16.750	-H210	40-P90/M4	
85	119	2.4	16.923	-H320	40-P90/M4	
85	120	3.8	17.033	-H450	40-P90/M4	
81	125	4.8	17.755	-H600	40-P90/M4	
81	126	1.1	17.802	-H140	40-P90/M4	
79	129	2.4	18.250	-H320	40-P90/M4	
77	132	1.6	18.750	-H210	40-P90/M4	
75	136	3.3	19.250	-H450	40-P90/M4	
75	137	4.4	19.367	-H600	40-P90/M4	
73	139	1.0	19.750	-H140	40-P90/M4	
70	146	2.1	20.731	-H320	40-P90/M4	
66	153	3.9	21.750	-H600	40-P90/M4	
66	154	1.4	21.802	-H210	40-P90/M4	

g500-H helical geared motors



Technical data

Selection tables, 4-pole motors

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

2-stage gearboxes

Mains operation 400 V, 50 Hz			i	Product		
n_2 [r/min]	M_2 [Nm]	c		g500	m2□□	
66	154	0.9	21.808	-H140	40-P90/M4	
65	156	2.9	22.170	-H450	40-P90/M4	
63	163	4.8	23.103	-H850	40-P90/M4	
61	168	1.9	23.754	-H320	40-P90/M4	
59	172	1.2	24.405	-H210	40-P90/M4	
58	177	2.6	25.056	-H450	40-P90/M4	
57	178	3.4	25.207	-H600	40-P90/M4	
56	182	4.7	25.815	-H850	40-P90/M4	
54	190	1.7	26.983	-H320	40-P90/M4	
53	191	1.1	27.119	-H210	40-P90/M4	
52	195	2.3	27.578	-H450	40-P90/M4	
51	200	3.0	28.310	-H600	40-P90/M4	
51	200	4.0	28.315	-H850	40-P90/M4	
49	208	1.5	29.548	-H320	40-P90/M4	
48	214	1.0	30.357	-H210	40-P90/M4	
46	220	2.1	31.167	-H450	40-P90/M4	
46	221	2.7	31.356	-H600	40-P90/M4	
46	223	3.8	31.639	-H850	40-P90/M4	
45	228	4.0	32.267	-H1500	40-P90/M4	
43	237	1.4	33.564	-H320	40-P90/M4	
41	248	2.4	35.214	-H600	40-P90/M4	
41	252	4.0	35.689	-H1500	40-P90/M4	
41	252	1.8	35.689	-H450	40-P90/M4	
39	262	3.2	37.190	-H850	40-P90/M4	
37	276	3.5	39.160	-H1500	40-P90/M4	
36	284	1.6	40.333	-H450	40-P90/M4	
36	286	2.0	40.578	-H600	40-P90/M4	
35	293	2.9	41.556	-H850	40-P90/M4	
33	305	3.5	43.313	-H1500	40-P90/M4	
33	305	1.1	43.313	-H450	40-P90/M4	
32	318	2.7	45.136	-H850	40-P90/M4	
32	321	1.9	45.571	-H600	40-P90/M4	
30	345	1.1	48.950	-H450	40-P90/M4	
29	347	1.3	49.247	-H600	40-P90/M4	
29	349	2.7	49.500	-H1500	40-P90/M4	
29	356	2.4	50.433	-H850	40-P90/M4	
26	386	2.7	54.750	-H1500	40-P90/M4	

g500-H helical geared motors



Technical data

Selection tables, 4-pole motors

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

2-stage gearboxes

Mains operation 400 V, 50 Hz			i	Product		
n_2 [r/min]	M_2 [Nm]	c		g500	m2□□	
26	390	1.3	55.307	-H600	40-P90/M4	

3-stage gearboxes

Mains operation 400 V, 50 Hz			i	Product		
n_2 [r/min]	M_2 [Nm]	c		g500	m2□□	
46	217	2.8	31.197	-H600	40-P90/M4	
41	243	2.5	35.037	-H600	40-P90/M4	
38	263	3.2	37.799	-H850	40-P90/M4	
36	277	2.2	39.925	-H600	40-P90/M4	
35	287	3.0	41.350	-H850	40-P90/M4	
33	303	2.0	43.676	-H600	40-P90/M4	
33	307	1.5	44.124	-H450	40-P90/M4	
31	321	2.7	46.204	-H850	40-P90/M4	
30	341	1.8	49.051	-H600	40-P90/M4	
29	346	1.3	49.867	-H450	40-P90/M4	
27	366	2.3	52.743	-H850	40-P90/M4	
26	387	1.6	55.710	-H600	40-P90/M4	
26	392	1.2	56.469	-H450	40-P90/M4	
25	409	2.1	58.933	-H850	40-P90/M4	
23	429	1.1	61.774	-H450	40-P90/M4	
23	435	1.4	62.566	-H600	40-P90/M4	
22	449	1.9	64.610	-H850	40-P90/M4	
21	474	1.3	68.244	-H600	40-P90/M4	
21	485	0.9	69.813	-H450	40-P90/M4	
20	495	3.0	71.238	-H1500	40-P90/M4	
20	502	1.7	72.193	-H850	40-P90/M4	
19	532	1.1	76.643	-H600	40-P90/M4	
18	547	2.7	78.794	-H1500	40-P90/M4	
18	547	0.8	78.794	-H450	40-P90/M4	
17	584	1.5	84.096	-H850	40-P90/M4	
16	617	1.0	88.826	-H600	40-P90/M4	
15	653	1.3	93.966	-H850	40-P90/M4	
15	693	0.9	99.757	-H600	40-P90/M4	
14	727	1.2	104.607	-H850	40-P90/M4	
13	789	1.9	113.585	-H1500	40-P90/M4	
12	812	1.1	116.884	-H850	40-P90/M4	
12	873	1.7	125.632	-H1500	40-P90/M4	
11	940	0.9	135.373	-H850	40-P90/M4	
10	967	1.6	139.211	-H1500	40-P90/M4	
9.6	1051	0.8	151.262	-H850	40-P90/M4	
9.4	1070	1.4	153.976	-H1500	40-P90/M4	

g500-H helical geared motors

Technical data



Selection tables, 4-pole motors

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

3-stage gearboxes

Mains operation 400 V, 50 Hz			i	Product		
n_2 [r/min]	M_2 [Nm]	c		g500	m2□□	
8.6	1174	2.6	168.993	-H3000	40-P90/M4	
7.9	1270	1.2	182.844	-H1500	40-P90/M4	
7.8	1289	2.3	185.615	-H3000	40-P90/M4	
7.1	1405	1.1	202.237	-H1500	40-P90/M4	
7.0	1425	2.1	205.096	-H3000	40-P90/M4	
6.5	1542	1.0	221.907	-H1500	40-P90/M4	
6.4	1565	1.9	225.269	-H3000	40-P90/M4	
5.9	1705	0.9	245.442	-H1500	40-P90/M4	
5.6	1801	1.7	259.250	-H3000	40-P90/M4	
5.1	1978	1.5	284.750	-H3000	40-P90/M4	

g500-H helical geared motors

Technical data



Selection tables, 4-pole motors

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

2-stage gearboxes

Mains operation 400 V, 50 Hz			i	Product		
n_2 [r/min]	M_2 [Nm]	c		g500	m2□□	
439	32	2.6	3.267	-H140	40-P90/L4	
428	32	1.9	3.354	-H100	40-P90/L4	
423	33	4.3	3.389	-H320	40-P90/L4	
423	33	3.8	3.389	-H210	40-P90/L4	
320	43	2.2	4.480	-H140	40-P90/L4	
312	45	1.6	4.600	-H100	40-P90/L4	
309	45	4.2	4.648	-H320	40-P90/L4	
309	45	3.2	4.648	-H210	40-P90/L4	
278	50	1.5	5.167	-H100	40-P90/L4	
257	54	2.9	5.583	-H210	40-P90/L4	
250	56	1.9	5.733	-H140	40-P90/L4	
250	56	4.2	5.733	-H600	40-P90/L4	
244	57	1.4	5.887	-H100	40-P90/L4	
237	59	4.2	6.045	-H450	40-P90/L4	
236	59	3.9	6.083	-H320	40-P90/L4	
230	61	2.6	6.250	-H210	40-P90/L4	
229	61	1.7	6.272	-H140	40-P90/L4	
223	62	1.3	6.440	-H100	40-P90/L4	
217	64	4.3	6.613	-H450	40-P90/L4	
208	67	3.3	6.910	-H320	40-P90/L4	
203	69	1.3	7.086	-H100	40-P90/L4	
197	70	1.5	7.269	-H140	40-P90/L4	
187	74	2.3	7.657	-H210	40-P90/L4	
179	77	1.5	8.000	-H140	40-P90/L4	
175	80	1.2	8.214	-H100	40-P90/L4	
172	81	3.1	8.343	-H320	40-P90/L4	
167	83	2.1	8.571	-H210	40-P90/L4	
159	87	1.3	9.029	-H140	40-P90/L4	
158	88	1.1	9.068	-H100	40-P90/L4	
151	92	2.6	9.477	-H320	40-P90/L4	
146	95	1.9	9.799	-H210	40-P90/L4	
146	95	1.3	9.800	-H140	40-P90/L4	
144	97	4.0	9.965	-H450	40-P90/L4	
143	97	1.0	10.063	-H100	40-P90/L4	
134	103	2.6	10.677	-H320	40-P90/L4	
134	104	1.8	10.720	-H210	40-P90/L4	
127	109	3.7	11.262	-H450	40-P90/L4	

g500-H helical geared motors



Technical data

Selection tables, 4-pole motors

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

2-stage gearboxes

Mains operation 400 V, 50 Hz			i	Product		
n_2 [r/min]	M_2 [Nm]	c		g500	m2□□	
127	110	4.2	11.330	-H600	40-P90/L4	
126	110	0.9	11.360	-H100	40-P90/L4	
124	112	1.1	11.554	-H140	40-P90/L4	
123	113	2.4	11.680	-H320	40-P90/L4	
120	116	1.6	12.000	-H210	40-P90/L4	
118	117	2.2	12.128	-H320	40-P90/L4	
117	119	3.4	12.320	-H450	40-P90/L4	
116	120	4.3	12.395	-H600	40-P90/L4	
114	122	1.1	12.640	-H140	40-P90/L4	
113	123	0.8	12.653	-H100	40-P90/L4	
108	128	2.0	13.268	-H320	40-P90/L4	
105	132	1.5	13.673	-H210	40-P90/L4	
103	135	3.2	13.905	-H450	40-P90/L4	
103	135	4.3	13.920	-H600	40-P90/L4	
103	135	1.0	13.957	-H140	40-P90/L4	
99	140	4.2	14.490	-H850	40-P90/L4	
96	144	2.0	14.898	-H320	40-P90/L4	
94	148	1.4	15.306	-H210	40-P90/L4	
91	152	2.9	15.714	-H450	40-P90/L4	
91	153	3.9	15.810	-H600	40-P90/L4	
89	156	0.9	16.122	-H140	40-P90/L4	
89	157	4.2	16.190	-H850	40-P90/L4	
86	162	1.3	16.750	-H210	40-P90/L4	
85	164	1.7	16.923	-H320	40-P90/L4	
84	165	2.7	17.033	-H450	40-P90/L4	
81	172	3.5	17.755	-H600	40-P90/L4	
81	172	0.8	17.802	-H140	40-P90/L4	
79	177	1.8	18.250	-H320	40-P90/L4	
77	182	1.2	18.750	-H210	40-P90/L4	
75	186	2.4	19.250	-H450	40-P90/L4	
74	188	3.2	19.367	-H600	40-P90/L4	
69	201	1.5	20.731	-H320	40-P90/L4	
66	211	2.9	21.750	-H600	40-P90/L4	
66	211	1.0	21.802	-H210	40-P90/L4	
65	215	2.1	22.170	-H450	40-P90/L4	
62	224	3.5	23.103	-H850	40-P90/L4	
60	230	1.4	23.754	-H320	40-P90/L4	

g500-H helical geared motors


Technical data



Selection tables, 4-pole motors


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

2-stage gearboxes

Mains operation 400 V, 50 Hz			i	Product		
n_2 [r/min]	M_2 [Nm]	c		g500	m2□□	
59	236	0.9	24.405	-H210	40-P90/L4	
57	243	1.9	25.056	-H450	40-P90/L4	
57	244	2.5	25.207	-H600	40-P90/L4	
56	250	3.4	25.815	-H850	40-P90/L4	
53	261	1.2	26.983	-H320	40-P90/L4	
52	267	1.7	27.578	-H450	40-P90/L4	
51	274	2.2	28.310	-H600	40-P90/L4	
51	274	2.9	28.315	-H850	40-P90/L4	
49	286	1.1	29.548	-H320	40-P90/L4	
46	302	1.5	31.167	-H450	40-P90/L4	
46	304	2.0	31.356	-H600	40-P90/L4	
45	306	2.8	31.639	-H850	40-P90/L4	
45	312	2.9	32.267	-H1500	40-P90/L4	
43	325	1.0	33.564	-H320	40-P90/L4	
41	341	1.8	35.214	-H600	40-P90/L4	
40	346	2.9	35.689	-H1500	40-P90/L4	
40	346	1.3	35.689	-H450	40-P90/L4	
39	360	2.4	37.190	-H850	40-P90/L4	
37	379	2.6	39.160	-H1500	40-P90/L4	
36	391	1.2	40.333	-H450	40-P90/L4	
35	393	1.4	40.578	-H600	40-P90/L4	
35	402	2.1	41.556	-H850	40-P90/L4	
33	419	2.6	43.313	-H1500	40-P90/L4	
32	437	1.9	45.136	-H850	40-P90/L4	
32	441	1.4	45.571	-H600	40-P90/L4	
29	477	1.0	49.247	-H600	40-P90/L4	
29	479	2.0	49.500	-H1500	40-P90/L4	
29	488	1.7	50.433	-H850	40-P90/L4	
26	530	2.0	54.750	-H1500	40-P90/L4	
26	536	1.0	55.307	-H600	40-P90/L4	

6.3

3-stage gearboxes

Mains operation 400 V, 50 Hz			i	Product		
n_2 [r/min]	M_2 [Nm]	c		g500	m2□□	
46	298	2.0	31.197	-H600	40-P90/L4	
41	334	1.8	35.037	-H600	40-P90/L4	
38	361	2.4	37.799	-H850	40-P90/L4	
36	381	1.6	39.925	-H600	40-P90/L4	
35	394	2.2	41.350	-H850	40-P90/L4	
33	417	1.4	43.676	-H600	40-P90/L4	
33	421	1.1	44.124	-H450	40-P90/L4	

g500-H helical geared motors

Technical data



Selection tables, 4-pole motors

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

3-stage gearboxes

Mains operation 400 V, 50 Hz			i	Product		
n_2 [r/min]	M_2 [Nm]	c		g500	m2□□	
31	441	1.9	46.204	-H850	40-P90/L4	
29	468	1.3	49.051	-H600	40-P90/L4	
29	476	1.0	49.867	-H450	40-P90/L4	
27	503	1.7	52.743	-H850	40-P90/L4	
26	531	1.1	55.710	-H600	40-P90/L4	
25	539	0.8	56.469	-H450	40-P90/L4	
24	562	1.5	58.933	-H850	40-P90/L4	
23	597	1.0	62.566	-H600	40-P90/L4	
22	616	1.4	64.610	-H850	40-P90/L4	
21	651	0.9	68.244	-H600	40-P90/L4	
20	680	2.2	71.238	-H1500	40-P90/L4	
20	689	1.2	72.193	-H850	40-P90/L4	
19	731	0.8	76.643	-H600	40-P90/L4	
18	752	2.0	78.794	-H1500	40-P90/L4	
17	802	1.1	84.096	-H850	40-P90/L4	
15	896	1.0	93.966	-H850	40-P90/L4	
14	998	0.9	104.607	-H850	40-P90/L4	
13	1084	1.4	113.585	-H1500	40-P90/L4	
11	1198	1.3	125.632	-H1500	40-P90/L4	
10	1328	1.1	139.211	-H1500	40-P90/L4	
9.3	1469	1.0	153.976	-H1500	40-P90/L4	
8.5	1612	1.9	168.993	-H3000	40-P90/L4	
7.8	1744	0.9	182.844	-H1500	40-P90/L4	
7.7	1771	1.7	185.615	-H3000	40-P90/L4	
7.0	1956	1.5	205.096	-H3000	40-P90/L4	
6.4	2149	1.4	225.269	-H3000	40-P90/L4	
5.5	2473	1.2	259.250	-H3000	40-P90/L4	
5.0	2716	1.1	284.750	-H3000	40-P90/L4	

g500-H helical geared motors

Technical data



Selection tables, 4-pole motors

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

2-stage gearboxes

Mains operation 400 V, 50 Hz			i	Product		
n_2 [r/min]	M_2 [Nm]	c		g500	m2□□	
443	46	5.2	3.267	-H600	40-P100/M4	
427	48	2.6	3.389	-H210	40-P100/M4	
427	48	3.5	3.389	-H320	40-P100/M4	
420	49	5.3	3.444	-H450	40-P100/M4	
323	63	4.7	4.480	-H600	40-P100/M4	
311	66	2.2	4.648	-H210	40-P100/M4	
311	66	2.9	4.648	-H320	40-P100/M4	
306	67	4.4	4.724	-H450	40-P100/M4	
269	76	5.7	5.368	-H850	40-P100/M4	
259	79	2.0	5.583	-H210	40-P100/M4	
255	80	3.9	5.678	-H450	40-P100/M4	
252	81	4.2	5.733	-H600	40-P100/M4	
239	85	3.8	6.045	-H450	40-P100/M4	
238	86	2.7	6.083	-H320	40-P100/M4	
231	88	1.8	6.250	-H210	40-P100/M4	
224	91	4.4	6.456	-H600	40-P100/M4	
219	93	3.6	6.613	-H450	40-P100/M4	
209	97	2.2	6.910	-H320	40-P100/M4	
199	102	4.3	7.250	-H600	40-P100/M4	
189	108	1.6	7.657	-H210	40-P100/M4	
186	110	3.2	7.787	-H450	40-P100/M4	
173	118	2.1	8.343	-H320	40-P100/M4	
169	121	1.4	8.571	-H210	40-P100/M4	
164	124	3.0	8.800	-H450	40-P100/M4	
163	125	3.9	8.853	-H600	40-P100/M4	
153	134	1.8	9.477	-H320	40-P100/M4	
148	138	1.3	9.799	-H210	40-P100/M4	
145	140	3.6	9.943	-H600	40-P100/M4	
145	140	2.7	9.965	-H450	40-P100/M4	
143	143	4.7	10.143	-H850	40-P100/M4	
135	151	1.8	10.677	-H320	40-P100/M4	
135	151	1.3	10.720	-H210	40-P100/M4	
128	159	2.5	11.262	-H450	40-P100/M4	
128	160	3.4	11.330	-H600	40-P100/M4	
127	160	4.4	11.360	-H850	40-P100/M4	
124	165	1.7	11.680	-H320	40-P100/M4	
121	169	1.1	12.000	-H210	40-P100/M4	

6.3

g500-H helical geared motors



Technical data

Selection tables, 4-pole motors

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

2-stage gearboxes

Mains operation 400 V, 50 Hz			i	Product		
n_2 [r/min]	M_2 [Nm]	c		g500	m2□□	
119	171	1.5	12.128	-H320	40-P100/M4	
117	174	2.4	12.320	-H450	40-P100/M4	
117	174	5.7	12.362	-H1500	40-P100/M4	
117	175	3.2	12.395	-H600	40-P100/M4	
114	179	4.1	12.693	-H850	40-P100/M4	
109	187	1.4	13.268	-H320	40-P100/M4	
106	193	1.0	13.673	-H210	40-P100/M4	
106	193	5.7	13.673	-H1500	40-P100/M4	
104	196	2.2	13.905	-H450	40-P100/M4	
104	196	3.0	13.920	-H600	40-P100/M4	
100	204	3.7	14.490	-H850	40-P100/M4	
97	210	1.4	14.898	-H320	40-P100/M4	
95	216	0.9	15.306	-H210	40-P100/M4	
92	222	2.0	15.714	-H450	40-P100/M4	
92	223	2.7	15.810	-H600	40-P100/M4	
89	228	3.5	16.190	-H850	40-P100/M4	
86	236	0.9	16.750	-H210	40-P100/M4	
85	239	1.2	16.923	-H320	40-P100/M4	
85	240	1.9	17.033	-H450	40-P100/M4	
82	250	3.3	17.750	-H850	40-P100/M4	
81	250	2.4	17.755	-H600	40-P100/M4	
79	257	1.2	18.250	-H320	40-P100/M4	
75	271	1.7	19.250	-H450	40-P100/M4	
75	273	2.2	19.367	-H600	40-P100/M4	
73	280	3.0	19.833	-H850	40-P100/M4	
70	289	4.1	20.533	-H1500	40-P100/M4	
70	292	1.0	20.731	-H320	40-P100/M4	
67	307	2.0	21.750	-H600	40-P100/M4	
65	313	1.4	22.170	-H450	40-P100/M4	
64	320	4.1	22.711	-H1500	40-P100/M4	
63	326	2.6	23.103	-H850	40-P100/M4	
58	351	3.5	24.933	-H1500	40-P100/M4	
58	353	1.3	25.056	-H450	40-P100/M4	
57	355	1.7	25.207	-H600	40-P100/M4	
56	364	2.3	25.815	-H850	40-P100/M4	
52	389	1.2	27.578	-H450	40-P100/M4	
52	389	3.5	27.578	-H1500	40-P100/M4	

g500-H helical geared motors



Technical data

Selection tables, 4-pole motors

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

2-stage gearboxes

Mains operation 400 V, 50 Hz			i	Product		
n_2 [r/min]	M_2 [Nm]	c		g500	m2□□	
51	399	1.5	28.310	-H600	40-P100/M4	
51	399	2.1	28.315	-H850	40-P100/M4	
49	420	3.5	29.822	-H3000	40-P100/M4	
46	439	1.0	31.167	-H450	40-P100/M4	
46	442	1.4	31.356	-H600	40-P100/M4	
46	446	1.9	31.639	-H850	40-P100/M4	
45	455	2.8	32.267	-H1500	40-P100/M4	
44	462	3.5	32.756	-H3000	40-P100/M4	
41	496	1.2	35.214	-H600	40-P100/M4	
41	503	2.8	35.689	-H1500	40-P100/M4	
40	510	2.9	36.193	-H3000	40-P100/M4	
39	524	1.6	37.190	-H850	40-P100/M4	
37	552	2.3	39.160	-H1500	40-P100/M4	
36	560	2.9	39.753	-H3000	40-P100/M4	
35	586	1.5	41.556	-H850	40-P100/M4	
33	611	2.3	43.313	-H1500	40-P100/M4	
32	636	1.3	45.136	-H850	40-P100/M4	
32	645	2.3	45.750	-H3000	40-P100/M4	
29	698	1.8	49.500	-H1500	40-P100/M4	
29	708	2.3	50.250	-H3000	40-P100/M4	
29	711	1.2	50.433	-H850	40-P100/M4	
26	772	1.8	54.750	-H1500	40-P100/M4	

3-stage gearboxes

Mains operation 400 V, 50 Hz			i	Product		
n_2 [r/min]	M_2 [Nm]	c		g500	m2□□	
49	410	2.1	29.536	-H850	40-P100/M4	
46	433	1.4	31.197	-H600	40-P100/M4	
44	458	1.9	33.003	-H850	40-P100/M4	
41	486	1.2	35.037	-H600	40-P100/M4	
38	525	1.6	37.799	-H850	40-P100/M4	
36	554	1.1	39.925	-H600	40-P100/M4	
35	574	1.5	41.350	-H850	40-P100/M4	
33	606	1.0	43.676	-H600	40-P100/M4	
31	642	1.3	46.204	-H850	40-P100/M4	
30	681	0.9	49.051	-H600	40-P100/M4	
29	692	2.2	49.867	-H1500	40-P100/M4	
27	732	1.2	52.743	-H850	40-P100/M4	
26	775	1.9	55.851	-H1500	40-P100/M4	
25	818	1.0	58.933	-H850	40-P100/M4	
23	858	1.8	61.774	-H1500	40-P100/M4	

g500-H helical geared motors

Technical data



Selection tables, 4-pole motors

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

3-stage gearboxes

Mains operation 400 V, 50 Hz			i	Product		
n_2 [r/min]	M_2 [Nm]	c		g500	m2□□	
22	897	1.0	64.610	-H850	40-P100/M4	
22	899	3.3	64.744	-H3000	40-P100/M4	
20	987	3.0	71.112	-H3000	40-P100/M4	
20	989	1.5	71.238	-H1500	40-P100/M4	
20	1002	0.9	72.193	-H850	40-P100/M4	
18	1094	1.4	78.794	-H1500	40-P100/M4	
17	1212	1.2	87.267	-H1500	40-P100/M4	
15	1340	1.1	96.522	-H1500	40-P100/M4	
13	1493	2.0	107.541	-H3000	40-P100/M4	
13	1577	1.0	113.585	-H1500	40-P100/M4	
12	1640	1.8	118.119	-H3000	40-P100/M4	
12	1744	0.9	125.632	-H1500	40-P100/M4	
11	1813	1.7	130.585	-H3000	40-P100/M4	
10	1991	1.5	143.430	-H3000	40-P100/M4	
8.6	2346	1.3	168.993	-H3000	40-P100/M4	
7.8	2577	1.2	185.615	-H3000	40-P100/M4	
7.1	2848	1.1	205.096	-H3000	40-P100/M4	
6.4	3128	1.0	225.269	-H3000	40-P100/M4	
5.6	3600	0.8	259.250	-H3000	40-P100/M4	

g500-H helical geared motors

Technical data



Selection tables, 4-pole motors

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

2-stage gearboxes

Mains operation 400 V, 50 Hz			i	Product		
n_2 [r/min]	M_2 [Nm]	c		g500	m2□□	
445	62	3.8	3.267	-H600	40-P100/L4	
429	65	2.6	3.389	-H320	40-P100/L4	
429	65	1.9	3.389	-H210	40-P100/L4	
422	66	3.9	3.444	-H450	40-P100/L4	
324	86	3.5	4.480	-H600	40-P100/L4	
313	89	2.1	4.648	-H320	40-P100/L4	
313	89	1.6	4.648	-H210	40-P100/L4	
308	90	3.2	4.724	-H450	40-P100/L4	
271	103	4.2	5.368	-H850	40-P100/L4	
260	107	1.5	5.583	-H210	40-P100/L4	
256	109	2.9	5.678	-H450	40-P100/L4	
253	110	3.1	5.733	-H600	40-P100/L4	
240	116	2.8	6.045	-H450	40-P100/L4	
239	116	2.0	6.083	-H320	40-P100/L4	
233	120	1.3	6.250	-H210	40-P100/L4	
225	123	3.3	6.456	-H600	40-P100/L4	
220	127	2.6	6.613	-H450	40-P100/L4	
210	132	1.7	6.910	-H320	40-P100/L4	
200	139	3.1	7.250	-H600	40-P100/L4	
190	146	1.2	7.657	-H210	40-P100/L4	
187	149	2.4	7.787	-H450	40-P100/L4	
174	160	1.6	8.343	-H320	40-P100/L4	
170	164	1.0	8.571	-H210	40-P100/L4	
165	168	2.2	8.800	-H450	40-P100/L4	
164	169	2.9	8.853	-H600	40-P100/L4	
153	181	1.3	9.477	-H320	40-P100/L4	
148	187	1.0	9.799	-H210	40-P100/L4	
146	190	2.7	9.943	-H600	40-P100/L4	
146	191	2.0	9.965	-H450	40-P100/L4	
143	194	3.4	10.143	-H850	40-P100/L4	
136	204	1.3	10.677	-H320	40-P100/L4	
136	205	0.9	10.720	-H210	40-P100/L4	
129	215	1.9	11.262	-H450	40-P100/L4	
128	217	2.5	11.330	-H600	40-P100/L4	
128	217	3.2	11.360	-H850	40-P100/L4	
124	223	1.2	11.680	-H320	40-P100/L4	
121	230	0.8	12.000	-H210	40-P100/L4	

g500-H helical geared motors



Technical data

Selection tables, 4-pole motors

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

2-stage gearboxes

Mains operation 400 V, 50 Hz			i	Product		
n_2 [r/min]	M_2 [Nm]	c		g500	m2□□	
120	232	1.1	12.128	-H320	40-P100/L4	
118	236	1.7	12.320	-H450	40-P100/L4	
118	236	4.2	12.362	-H1500	40-P100/L4	
117	237	2.3	12.395	-H600	40-P100/L4	
115	243	3.0	12.693	-H850	40-P100/L4	
110	254	1.0	13.268	-H320	40-P100/L4	
106	262	4.2	13.673	-H1500	40-P100/L4	
105	266	1.6	13.905	-H450	40-P100/L4	
104	266	2.2	13.920	-H600	40-P100/L4	
100	277	2.7	14.490	-H850	40-P100/L4	
98	285	1.0	14.898	-H320	40-P100/L4	
93	301	1.5	15.714	-H450	40-P100/L4	
92	302	2.0	15.810	-H600	40-P100/L4	
90	310	2.6	16.190	-H850	40-P100/L4	
86	324	0.9	16.923	-H320	40-P100/L4	
85	326	1.4	17.033	-H450	40-P100/L4	
82	340	2.4	17.750	-H850	40-P100/L4	
82	340	1.8	17.755	-H600	40-P100/L4	
80	349	0.9	18.250	-H320	40-P100/L4	
76	368	1.2	19.250	-H450	40-P100/L4	
75	370	1.6	19.367	-H600	40-P100/L4	
73	379	2.2	19.833	-H850	40-P100/L4	
71	393	3.0	20.533	-H1500	40-P100/L4	
67	416	1.4	21.750	-H600	40-P100/L4	
66	424	1.1	22.170	-H450	40-P100/L4	
64	434	3.0	22.711	-H1500	40-P100/L4	
63	442	1.9	23.103	-H850	40-P100/L4	
58	477	2.6	24.933	-H1500	40-P100/L4	
58	479	0.9	25.056	-H450	40-P100/L4	
58	482	1.2	25.207	-H600	40-P100/L4	
56	494	1.7	25.815	-H850	40-P100/L4	
53	528	0.9	27.578	-H450	40-P100/L4	
53	528	2.6	27.578	-H1500	40-P100/L4	
51	542	1.1	28.310	-H600	40-P100/L4	
51	542	1.6	28.315	-H850	40-P100/L4	
49	570	2.6	29.822	-H3000	40-P100/L4	
46	600	1.0	31.356	-H600	40-P100/L4	

g500-H helical geared motors



Technical data

Selection tables, 4-pole motors

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

2-stage gearboxes

Mains operation 400 V, 50 Hz			i	Product		
n_2 [r/min]	M_2 [Nm]	c		g500	m2□□	
46	605	1.4	31.639	-H850	40-P100/L4	
45	617	2.1	32.267	-H1500	40-P100/L4	
44	627	2.6	32.756	-H3000	40-P100/L4	
41	674	0.9	35.214	-H600	40-P100/L4	
41	683	2.1	35.689	-H1500	40-P100/L4	
40	692	2.1	36.193	-H3000	40-P100/L4	
39	711	1.2	37.190	-H850	40-P100/L4	
37	749	1.7	39.160	-H1500	40-P100/L4	
37	760	2.1	39.753	-H3000	40-P100/L4	
35	795	1.1	41.556	-H850	40-P100/L4	
34	829	1.7	43.313	-H1500	40-P100/L4	
32	863	1.0	45.136	-H850	40-P100/L4	
32	875	1.7	45.750	-H3000	40-P100/L4	
29	947	1.3	49.500	-H1500	40-P100/L4	
29	961	1.7	50.250	-H3000	40-P100/L4	
29	965	0.9	50.433	-H850	40-P100/L4	
27	1047	1.3	54.750	-H1500	40-P100/L4	

3-stage gearboxes

Mains operation 400 V, 50 Hz			i	Product		
n_2 [r/min]	M_2 [Nm]	c		g500	m2□□	
49	557	1.5	29.536	-H850	40-P100/L4	
47	588	1.0	31.197	-H600	40-P100/L4	
44	622	1.4	33.003	-H850	40-P100/L4	
42	660	0.9	35.037	-H600	40-P100/L4	
38	712	1.2	37.799	-H850	40-P100/L4	
35	779	1.1	41.350	-H850	40-P100/L4	
31	871	1.0	46.204	-H850	40-P100/L4	
29	940	1.6	49.867	-H1500	40-P100/L4	
28	994	0.9	52.743	-H850	40-P100/L4	
26	1052	1.4	55.851	-H1500	40-P100/L4	
24	1164	1.3	61.774	-H1500	40-P100/L4	
22	1220	2.5	64.744	-H3000	40-P100/L4	
20	1340	2.2	71.112	-H3000	40-P100/L4	
20	1342	1.1	71.238	-H1500	40-P100/L4	
18	1485	1.0	78.794	-H1500	40-P100/L4	
17	1644	0.9	87.267	-H1500	40-P100/L4	
15	1819	0.8	96.522	-H1500	40-P100/L4	
14	2026	1.5	107.541	-H3000	40-P100/L4	
12	2226	1.4	118.119	-H3000	40-P100/L4	
11	2461	1.2	130.585	-H3000	40-P100/L4	

g500-H helical geared motors

Technical data



Selection tables, 4-pole motors

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

3-stage gearboxes

Mains operation 400 V, 50 Hz			i	Product		
n_2 [r/min]	M_2 [Nm]	c		g500	m2□□	
10	2703	1.1	143.430	-H3000	40-P100/L4	
8.6	3184	0.9	168.993	-H3000	40-P100/L4	
7.8	3497	0.9	185.615	-H3000	40-P100/L4	

g500-H helical geared motors



Technical data

Selection tables, 4-pole motors

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

2-stage gearboxes

Mains operation 400 V, 50 Hz			i	Product		
n_2 [r/min]	M_2 [Nm]	c		g500	m2□□	
456	81	3.8	3.147	-H850	40-P112/M4	
439	84	2.8	3.267	-H600	40-P112/M4	
423	88	1.9	3.389	-H320	40-P112/M4	
417	89	2.9	3.444	-H450	40-P112/M4	
329	113	3.4	4.362	-H850	40-P112/M4	
320	116	2.6	4.480	-H600	40-P112/M4	
309	120	1.6	4.648	-H320	40-P112/M4	
304	122	2.4	4.724	-H450	40-P112/M4	
267	139	3.1	5.368	-H850	40-P112/M4	
253	147	2.2	5.678	-H450	40-P112/M4	
250	148	2.3	5.733	-H600	40-P112/M4	
241	154	3.6	5.946	-H850	40-P112/M4	
237	156	2.1	6.045	-H450	40-P112/M4	
236	157	1.5	6.083	-H320	40-P112/M4	
230	161	4.7	6.245	-H1500	40-P112/M4	
222	167	2.4	6.456	-H600	40-P112/M4	
217	171	2.0	6.613	-H450	40-P112/M4	
216	172	3.4	6.644	-H850	40-P112/M4	
208	178	1.2	6.910	-H320	40-P112/M4	
198	187	2.3	7.250	-H600	40-P112/M4	
184	201	1.8	7.787	-H450	40-P112/M4	
174	213	2.9	8.241	-H850	40-P112/M4	
172	215	1.2	8.343	-H320	40-P112/M4	
163	227	1.6	8.800	-H450	40-P112/M4	
162	229	2.1	8.853	-H600	40-P112/M4	
159	233	4.7	9.010	-H1500	40-P112/M4	
156	238	2.7	9.208	-H850	40-P112/M4	
151	245	1.0	9.477	-H320	40-P112/M4	
144	257	2.0	9.943	-H600	40-P112/M4	
144	257	1.5	9.965	-H450	40-P112/M4	
142	262	2.6	10.143	-H850	40-P112/M4	
140	265	4.3	10.267	-H1500	40-P112/M4	
134	276	1.0	10.677	-H320	40-P112/M4	
127	291	1.4	11.262	-H450	40-P112/M4	
127	293	1.8	11.330	-H600	40-P112/M4	
126	293	4.3	11.356	-H1500	40-P112/M4	
126	293	2.4	11.360	-H850	40-P112/M4	

g500-H helical geared motors



Technical data

Selection tables, 4-pole motors

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

2-stage gearboxes

Mains operation 400 V, 50 Hz			i	Product		
n_2 [r/min]	M_2 [Nm]	c		g500	m2□□	
124	300	4.7	11.619	-H3000	40-P112/M4	
123	302	0.9	11.680	-H320	40-P112/M4	
118	313	0.8	12.128	-H320	40-P112/M4	
117	318	1.3	12.320	-H450	40-P112/M4	
116	319	3.8	12.362	-H1500	40-P112/M4	
116	320	1.7	12.395	-H600	40-P112/M4	
113	328	2.2	12.693	-H850	40-P112/M4	
112	330	4.7	12.762	-H3000	40-P112/M4	
105	353	3.8	13.673	-H1500	40-P112/M4	
103	359	1.2	13.905	-H450	40-P112/M4	
103	359	1.6	13.920	-H600	40-P112/M4	
99	374	2.0	14.490	-H850	40-P112/M4	
95	391	3.2	15.156	-H1500	40-P112/M4	
91	406	1.1	15.714	-H450	40-P112/M4	
91	408	1.5	15.810	-H600	40-P112/M4	
89	418	1.9	16.190	-H850	40-P112/M4	
86	433	3.2	16.763	-H1500	40-P112/M4	
84	440	1.0	17.033	-H450	40-P112/M4	
81	458	1.8	17.750	-H850	40-P112/M4	
81	459	1.3	17.755	-H600	40-P112/M4	
77	484	3.2	18.752	-H3000	40-P112/M4	
75	497	0.9	19.250	-H450	40-P112/M4	
74	500	1.2	19.367	-H600	40-P112/M4	
72	512	1.6	19.833	-H850	40-P112/M4	
70	530	2.5	20.533	-H1500	40-P112/M4	
70	532	3.2	20.596	-H3000	40-P112/M4	
66	562	1.1	21.750	-H600	40-P112/M4	
63	587	2.5	22.711	-H1500	40-P112/M4	
62	595	2.7	23.044	-H3000	40-P112/M4	
62	597	1.4	23.103	-H850	40-P112/M4	
58	644	2.2	24.933	-H1500	40-P112/M4	
57	651	0.9	25.207	-H600	40-P112/M4	
57	654	2.7	25.311	-H3000	40-P112/M4	
56	667	1.3	25.815	-H850	40-P112/M4	
52	712	2.1	27.578	-H1500	40-P112/M4	
51	731	0.8	28.310	-H600	40-P112/M4	
51	731	1.2	28.315	-H850	40-P112/M4	

g500-H helical geared motors


Technical data




Selection tables, 4-pole motors

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

2-stage gearboxes

Mains operation 400 V, 50 Hz			i	Product		
n_2 [r/min]	M_2 [Nm]	c		g500	m2□□	
48	770	2.2	29.822	-H3000	40-P112/M4	
45	817	1.0	31.639	-H850	40-P112/M4	
45	833	1.7	32.267	-H1500	40-P112/M4	
44	846	2.2	32.756	-H3000	40-P112/M4	
40	922	1.6	35.689	-H1500	40-P112/M4	
40	935	1.8	36.193	-H3000	40-P112/M4	
37	1011	1.5	39.160	-H1500	40-P112/M4	
36	1027	1.8	39.753	-H3000	40-P112/M4	
33	1119	1.3	43.313	-H1500	40-P112/M4	
31	1182	1.5	45.750	-H3000	40-P112/M4	
29	1298	1.5	50.250	-H3000	40-P112/M4	

3-stage gearboxes

Mains operation 400 V, 50 Hz			i	Product		
n_2 [r/min]	M_2 [Nm]	c		g500	m2□□	
49	751	1.1	29.536	-H850	40-P112/M4	
44	840	1.0	33.003	-H850	40-P112/M4	
38	962	0.9	37.799	-H850	40-P112/M4	
35	1031	1.5	40.517	-H1500	40-P112/M4	
35	1052	0.8	41.350	-H850	40-P112/M4	
32	1140	1.3	44.814	-H1500	40-P112/M4	
30	1200	2.4	47.186	-H3000	40-P112/M4	
29	1269	1.2	49.867	-H1500	40-P112/M4	
28	1318	2.2	51.828	-H3000	40-P112/M4	
27	1368	2.2	53.770	-H3000	40-P112/M4	
26	1421	1.1	55.851	-H1500	40-P112/M4	
24	1502	2.0	59.059	-H3000	40-P112/M4	
23	1571	1.0	61.774	-H1500	40-P112/M4	
22	1647	1.8	64.744	-H3000	40-P112/M4	
20	1809	1.7	71.112	-H3000	40-P112/M4	
20	1812	0.8	71.238	-H1500	40-P112/M4	
18	2019	1.5	79.375	-H3000	40-P112/M4	
17	2218	1.4	87.183	-H3000	40-P112/M4	
13	2736	1.1	107.541	-H3000	40-P112/M4	
12	3005	1.0	118.119	-H3000	40-P112/M4	
11	3322	0.9	130.585	-H3000	40-P112/M4	
10	3649	0.8	143.430	-H3000	40-P112/M4	

g500-H helical geared motors



Technical data

Selection tables, 4-pole motors

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

2-stage gearboxes

Mains operation 400 V, 50 Hz			i	Product		
n_2 [r/min]	M_2 [Nm]	c		g500	m2□□	
466	109	2.8	3.147	-H850	40-P132/M4	
449	114	2.1	3.267	-H600	40-P132/M4	
425	120	2.1	3.444	-H450	40-P132/M4	
391	130	6.0	3.743	-H1500	40-P132/M4	
336	152	2.5	4.362	-H850	40-P132/M4	
327	156	1.9	4.480	-H600	40-P132/M4	
310	164	1.8	4.724	-H450	40-P132/M4	
308	165	5.6	4.758	-H1500	40-P132/M4	
273	187	2.3	5.368	-H850	40-P132/M4	
271	188	5.4	5.400	-H1500	40-P132/M4	
258	197	1.6	5.678	-H450	40-P132/M4	
256	199	1.7	5.733	-H600	40-P132/M4	
246	207	2.7	5.946	-H850	40-P132/M4	
242	210	1.5	6.045	-H450	40-P132/M4	
235	217	5.1	6.245	-H1500	40-P132/M4	
227	225	1.8	6.456	-H600	40-P132/M4	
222	230	1.5	6.613	-H450	40-P132/M4	
221	231	2.5	6.644	-H850	40-P132/M4	
213	239	4.9	6.864	-H1500	40-P132/M4	
202	252	1.7	7.250	-H600	40-P132/M4	
193	264	4.6	7.592	-H1500	40-P132/M4	
188	271	1.3	7.787	-H450	40-P132/M4	
178	287	2.2	8.241	-H850	40-P132/M4	
167	306	1.2	8.800	-H450	40-P132/M4	
166	308	1.6	8.853	-H600	40-P132/M4	
163	313	4.2	9.010	-H1500	40-P132/M4	
159	320	2.0	9.208	-H850	40-P132/M4	
147	346	1.5	9.943	-H600	40-P132/M4	
147	347	1.1	9.965	-H450	40-P132/M4	
144	353	1.9	10.143	-H850	40-P132/M4	
143	357	3.9	10.267	-H1500	40-P132/M4	
130	392	1.0	11.262	-H450	40-P132/M4	
129	394	1.4	11.330	-H600	40-P132/M4	
129	395	3.5	11.356	-H1500	40-P132/M4	
129	395	1.8	11.360	-H850	40-P132/M4	
126	404	5.9	11.619	-H3000	40-P132/M4	
119	429	1.0	12.320	-H450	40-P132/M4	

g500-H helical geared motors




Technical data


Selection tables, 4-pole motors

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

2-stage gearboxes

Mains operation 400 V, 50 Hz			i	Product		
n_2 [r/min]	M_2 [Nm]	c		g500	m2□□	
119	430	3.3	12.362	-H1500	40-P132/M4	
118	431	1.3	12.395	-H600	40-P132/M4	
115	442	1.6	12.693	-H850	40-P132/M4	
115	444	5.6	12.762	-H3000	40-P132/M4	
107	476	3.0	13.673	-H1500	40-P132/M4	
105	484	0.9	13.905	-H450	40-P132/M4	
105	484	1.2	13.920	-H600	40-P132/M4	
103	495	5.1	14.233	-H3000	40-P132/M4	
101	504	1.5	14.490	-H850	40-P132/M4	
97	527	2.7	15.156	-H1500	40-P132/M4	
94	544	4.8	15.633	-H3000	40-P132/M4	
93	547	0.8	15.714	-H450	40-P132/M4	
93	550	1.1	15.810	-H600	40-P132/M4	
91	563	1.4	16.190	-H850	40-P132/M4	
87	583	2.5	16.763	-H1500	40-P132/M4	
83	617	1.3	17.750	-H850	40-P132/M4	
83	618	1.0	17.755	-H600	40-P132/M4	
78	652	4.2	18.752	-H3000	40-P132/M4	
76	674	0.9	19.367	-H600	40-P132/M4	
74	690	1.2	19.833	-H850	40-P132/M4	
71	714	2.1	20.533	-H1500	40-P132/M4	
71	716	3.9	20.596	-H3000	40-P132/M4	
65	790	1.9	22.711	-H1500	40-P132/M4	
64	802	3.6	23.044	-H3000	40-P132/M4	
63	804	1.1	23.103	-H850	40-P132/M4	
59	867	1.7	24.933	-H1500	40-P132/M4	
58	880	3.4	25.311	-H3000	40-P132/M4	
57	898	1.0	25.815	-H850	40-P132/M4	
53	959	1.6	27.578	-H1500	40-P132/M4	
49	1037	2.9	29.822	-H3000	40-P132/M4	
45	1139	2.6	32.756	-H3000	40-P132/M4	
41	1259	2.4	36.193	-H3000	40-P132/M4	
37	1383	2.2	39.753	-H3000	40-P132/M4	

3-stage gearboxes

Mains operation 400 V, 50 Hz			i	Product		
n_2 [r/min]	M_2 [Nm]	c		g500	m2□□	
50	1012	0.8	29.536	-H850	40-P132/M4	
36	1388	1.1	40.517	-H1500	40-P132/M4	
33	1535	1.0	44.814	-H1500	40-P132/M4	
31	1617	1.8	47.186	-H3000	40-P132/M4	

g500-H helical geared motors

Technical data



Selection tables, 4-pole motors

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

3-stage gearboxes

Mains operation 400 V, 50 Hz			i	Product		
n_2 [r/min]	M_2 [Nm]	c		g500	m2□□	
29	1709	0.9	49.867	-H1500	40-P132/M4	
28	1776	1.6	51.828	-H3000	40-P132/M4	
27	1842	1.6	53.770	-H3000	40-P132/M4	
25	2023	1.5	59.059	-H3000	40-P132/M4	
23	2218	1.4	64.744	-H3000	40-P132/M4	
21	2436	1.2	71.112	-H3000	40-P132/M4	
19	2720	1.1	79.375	-H3000	40-P132/M4	
17	2987	1.0	87.183	-H3000	40-P132/M4	
14	3684	0.8	107.541	-H3000	40-P132/M4	

g500-H helical geared motors



Technical data

Selection tables, 4-pole motors

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

2-stage gearboxes

Mains operation 400 V, 50 Hz			i	Product		
n_2 [r/min]	M_2 [Nm]	c		g500	m2□□	
464	150	2.0	3.147	-H850	40-P132/L4	
447	155	1.5	3.267	-H600	40-P132/L4	
424	164	1.6	3.444	-H450	40-P132/L4	
390	178	4.4	3.743	-H1500	40-P132/L4	
335	208	1.8	4.362	-H850	40-P132/L4	
326	213	1.4	4.480	-H600	40-P132/L4	
309	225	1.3	4.724	-H450	40-P132/L4	
307	226	4.1	4.758	-H1500	40-P132/L4	
272	256	1.7	5.368	-H850	40-P132/L4	
270	257	4.0	5.400	-H1500	40-P132/L4	
257	270	1.2	5.678	-H450	40-P132/L4	
255	273	1.2	5.733	-H600	40-P132/L4	
246	283	2.0	5.946	-H850	40-P132/L4	
242	288	1.1	6.045	-H450	40-P132/L4	
234	297	3.7	6.245	-H1500	40-P132/L4	
226	307	1.3	6.456	-H600	40-P132/L4	
221	315	1.1	6.613	-H450	40-P132/L4	
220	316	1.8	6.644	-H850	40-P132/L4	
213	327	3.5	6.864	-H1500	40-P132/L4	
201	345	1.3	7.250	-H600	40-P132/L4	
192	361	3.4	7.592	-H1500	40-P132/L4	
188	371	1.0	7.787	-H450	40-P132/L4	
177	392	1.6	8.241	-H850	40-P132/L4	
166	419	0.9	8.800	-H450	40-P132/L4	
165	421	1.2	8.853	-H600	40-P132/L4	
162	429	3.1	9.010	-H1500	40-P132/L4	
159	438	1.5	9.208	-H850	40-P132/L4	
147	473	1.1	9.943	-H600	40-P132/L4	
147	474	0.8	9.965	-H450	40-P132/L4	
146	476	4.8	10.005	-H3000	40-P132/L4	
144	483	1.4	10.143	-H850	40-P132/L4	
142	489	2.8	10.267	-H1500	40-P132/L4	
129	539	1.0	11.330	-H600	40-P132/L4	
129	540	2.6	11.356	-H1500	40-P132/L4	
129	541	1.3	11.360	-H850	40-P132/L4	
126	553	4.3	11.619	-H3000	40-P132/L4	
118	588	2.4	12.362	-H1500	40-P132/L4	

g500-H helical geared motors



Technical data

Selection tables, 4-pole motors

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

2-stage gearboxes

Mains operation 400 V, 50 Hz			i	Product		
n_2 [r/min]	M_2 [Nm]	c		g500	m2□□	
118	590	0.9	12.395	-H600	40-P132/L4	
115	604	1.2	12.693	-H850	40-P132/L4	
114	607	4.1	12.762	-H3000	40-P132/L4	
107	651	2.2	13.673	-H1500	40-P132/L4	
105	663	0.9	13.920	-H600	40-P132/L4	
103	677	3.7	14.233	-H3000	40-P132/L4	
101	690	1.1	14.490	-H850	40-P132/L4	
96	721	2.0	15.156	-H1500	40-P132/L4	
93	744	3.5	15.633	-H3000	40-P132/L4	
90	771	1.0	16.190	-H850	40-P132/L4	
87	798	1.8	16.763	-H1500	40-P132/L4	
82	845	1.0	17.750	-H850	40-P132/L4	
78	892	3.1	18.752	-H3000	40-P132/L4	
74	944	0.9	19.833	-H850	40-P132/L4	
71	977	1.5	20.533	-H1500	40-P132/L4	
71	980	2.9	20.596	-H3000	40-P132/L4	
64	1081	1.4	22.711	-H1500	40-P132/L4	
63	1097	2.6	23.044	-H3000	40-P132/L4	
59	1187	1.3	24.933	-H1500	40-P132/L4	
58	1205	2.5	25.311	-H3000	40-P132/L4	
53	1313	1.1	27.578	-H1500	40-P132/L4	
49	1419	2.1	29.822	-H3000	40-P132/L4	
45	1559	1.9	32.756	-H3000	40-P132/L4	
40	1723	1.7	36.193	-H3000	40-P132/L4	
37	1892	1.6	39.753	-H3000	40-P132/L4	

3-stage gearboxes

Mains operation 400 V, 50 Hz			i	Product		
n_2 [r/min]	M_2 [Nm]	c		g500	m2□□	
31	2212	1.3	47.186	-H3000	40-P132/L4	
28	2430	1.2	51.828	-H3000	40-P132/L4	
27	2521	1.2	53.770	-H3000	40-P132/L4	
25	2769	1.1	59.059	-H3000	40-P132/L4	
23	3035	1.0	64.744	-H3000	40-P132/L4	
21	3334	0.9	71.112	-H3000	40-P132/L4	
18	3721	0.8	79.375	-H3000	40-P132/L4	

g500-H helical geared motors




Technical data

Selection tables, 4-pole motors


50 Hz: $P_N = 11.0$ kW

2-stage gearboxes

Mains operation 400 V, 50 Hz			i	Product		
n_2 [r/min]	M_2 [Nm]	c		g500	m2□□	
393	260	3.0	3.743	-H1500	40-P160/M4	
327	312	4.4	4.496	-H3000	40-P160/M4	
309	330	2.8	4.758	-H1500	40-P160/M4	
272	374	2.7	5.400	-H1500	40-P160/M4	
249	409	3.9	5.902	-H3000	40-P160/M4	
235	433	2.5	6.245	-H1500	40-P160/M4	
232	440	4.3	6.344	-H3000	40-P160/M4	
214	476	2.4	6.864	-H1500	40-P160/M4	
211	483	4.2	6.968	-H3000	40-P160/M4	
194	526	2.3	7.592	-H1500	40-P160/M4	
177	577	3.7	8.327	-H3000	40-P160/M4	
163	625	2.1	9.010	-H1500	40-P160/M4	
161	634	3.5	9.146	-H3000	40-P160/M4	
147	694	3.3	10.005	-H3000	40-P160/M4	
143	712	1.9	10.267	-H1500	40-P160/M4	
130	787	1.8	11.356	-H1500	40-P160/M4	
127	806	3.0	11.619	-H3000	40-P160/M4	
119	857	1.7	12.362	-H1500	40-P160/M4	
115	885	2.8	12.762	-H3000	40-P160/M4	
108	948	1.5	13.673	-H1500	40-P160/M4	
103	987	2.6	14.233	-H3000	40-P160/M4	
97	1051	1.4	15.156	-H1500	40-P160/M4	
94	1084	2.4	15.633	-H3000	40-P160/M4	
88	1162	1.3	16.763	-H1500	40-P160/M4	
78	1300	2.1	18.752	-H3000	40-P160/M4	
71	1428	2.0	20.596	-H3000	40-P160/M4	
64	1598	1.8	23.044	-H3000	40-P160/M4	
58	1755	1.7	25.311	-H3000	40-P160/M4	

3-stage gearboxes

6.3

Mains operation 400 V, 50 Hz			i	Product		
n_2 [r/min]	M_2 [Nm]	c		g500	m2□□	
31	3222	0.9	47.186	-H3000	40-P160/M4	

g500-H helical geared motors

Technical data



Selection tables, 4-pole motors

50 Hz: $P_N = 15.0$ kW

2-stage gearboxes

Mains operation 400 V, 50 Hz			i	Product		
n_2 [r/min]	M_2 [Nm]	c		g500	m2□□	
393	354	2.2	3.743	-H1500	40-P160/L4	
327	425	3.2	4.496	-H3000	40-P160/L4	
309	450	2.1	4.758	-H1500	40-P160/L4	
249	558	2.9	5.902	-H3000	40-P160/L4	
235	590	1.9	6.245	-H1500	40-P160/L4	
232	600	3.2	6.344	-H3000	40-P160/L4	
214	649	1.8	6.864	-H1500	40-P160/L4	
211	659	3.1	6.968	-H3000	40-P160/L4	
194	718	1.7	7.592	-H1500	40-P160/L4	
177	787	2.7	8.327	-H3000	40-P160/L4	
163	852	1.6	9.010	-H1500	40-P160/L4	
161	865	2.6	9.146	-H3000	40-P160/L4	
147	946	2.4	10.005	-H3000	40-P160/L4	
143	971	1.4	10.267	-H1500	40-P160/L4	
130	1074	1.3	11.356	-H1500	40-P160/L4	
127	1098	2.2	11.619	-H3000	40-P160/L4	
119	1169	1.2	12.362	-H1500	40-P160/L4	
115	1207	2.1	12.762	-H3000	40-P160/L4	
108	1293	1.1	13.673	-H1500	40-P160/L4	
103	1346	1.9	14.233	-H3000	40-P160/L4	
97	1433	1.0	15.156	-H1500	40-P160/L4	
94	1478	1.8	15.633	-H3000	40-P160/L4	
88	1585	0.9	16.763	-H1500	40-P160/L4	
78	1773	1.6	18.752	-H3000	40-P160/L4	
71	1947	1.5	20.596	-H3000	40-P160/L4	
64	2179	1.3	23.044	-H3000	40-P160/L4	
58	2393	1.2	25.311	-H3000	40-P160/L4	

g500-H helical geared motors

Technical data



Selection tables, 4-pole motors

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

2-stage gearboxes

Mains operation 400 V, 50 Hz			i	Product		
n_2 [r/min]	M_2 [Nm]	c		g500	m2□□	
307	559	1.7	4.758	-H1500	40-P180/M4	
247	693	2.3	5.902	-H3000	40-P180/M4	
234	733	1.5	6.245	-H1500	40-P180/M4	
175	978	2.2	8.327	-H3000	40-P180/M4	
160	1074	2.1	9.146	-H3000	40-P180/M4	
146	1175	2.0	10.005	-H3000	40-P180/M4	
142	1205	1.1	10.267	-H1500	40-P180/M4	
126	1364	1.8	11.619	-H3000	40-P180/M4	
118	1451	1.0	12.362	-H1500	40-P180/M4	
114	1498	1.7	12.762	-H3000	40-P180/M4	
103	1671	1.5	14.233	-H3000	40-P180/M4	
96	1779	0.8	15.156	-H1500	40-P180/M4	
93	1835	1.4	15.633	-H3000	40-P180/M4	
78	2201	1.3	18.752	-H3000	40-P180/M4	
71	2418	1.2	20.596	-H3000	40-P180/M4	
63	2705	1.1	23.044	-H3000	40-P180/M4	
58	2971	1.0	25.311	-H3000	40-P180/M4	

g500-H helical geared motors

Technical data



Selection tables, 4-pole motors

50 Hz: $P_N = 22.0$ kW

2-stage gearboxes

Mains operation 400 V, 50 Hz			i	Product		
n_2 [r/min]	M_2 [Nm]	c		g500	m2□□	
248	821	2.0	5.902	-H3000	40-P180/L4	
176	1159	1.9	8.327	-H3000	40-P180/L4	
146	1392	1.7	10.005	-H3000	40-P180/L4	
126	1617	1.5	11.619	-H3000	40-P180/L4	
115	1776	1.4	12.762	-H3000	40-P180/L4	
103	1980	1.3	14.233	-H3000	40-P180/L4	
94	2175	1.2	15.633	-H3000	40-P180/L4	
78	2609	1.1	18.752	-H3000	40-P180/L4	
71	2866	1.0	20.596	-H3000	40-P180/L4	
64	3206	0.9	23.044	-H3000	40-P180/L4	
58	3522	0.8	25.311	-H3000	40-P180/L4	

g500-H helical geared motors

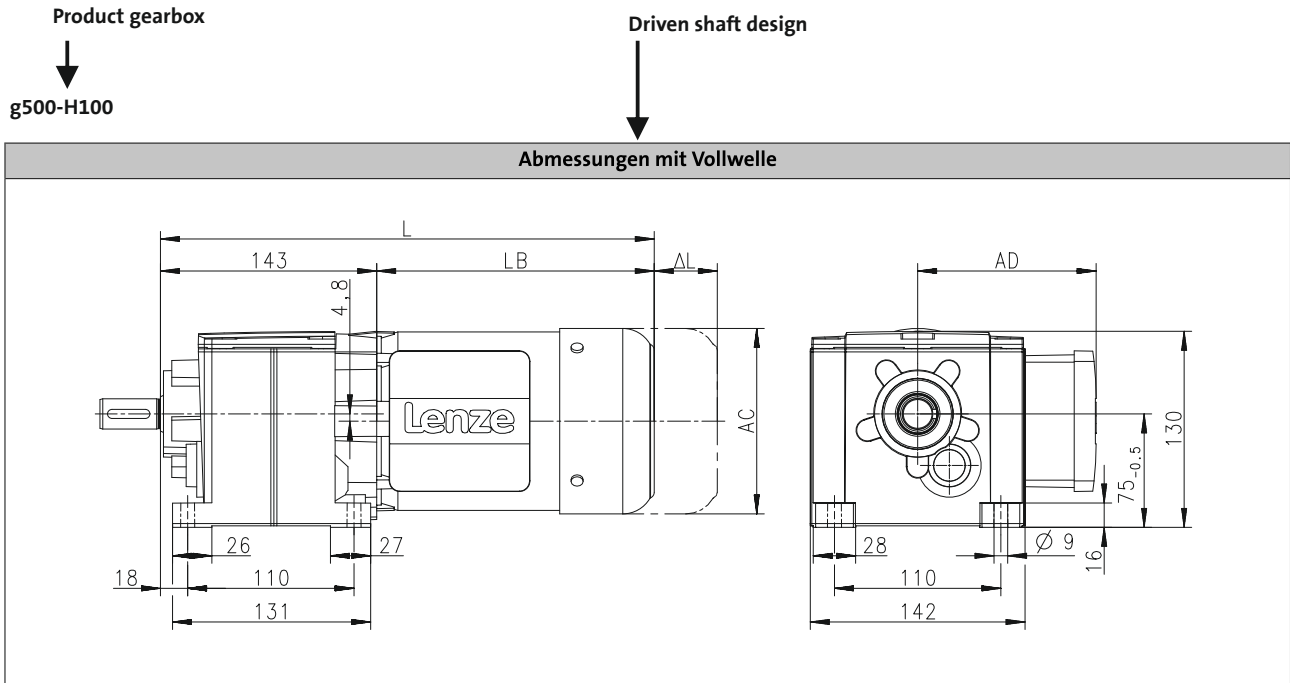


Technical data

Dimensions, notes

Notes on the dimensions

The following legend shows the layout of the dimension sheets.



Product Motor

			MD□MA□□				
			063-12	063-32	063-42	071-32	071-42
Gesamtlänge	L	[mm]	←	326			346
Länge Motor	LB	[mm]	←	183			203
Länge Motoranbauten	ΔL	[mm]	←	170			165
Motordurchmesser	AC	[mm]	←	123			139
Abstand Motor/Anschluss	AD	[mm]	←	100			109

Distance of motor centre to the end of terminal box

Total length of the drive without built-on accessories

Motor diameter

Motor length without built-on accessories

Additional length of the built-on accessories (longest version)

- If the mounting area (foot support) towards the motor is longer than the gearbox foot, some motors collide with the mounting area!

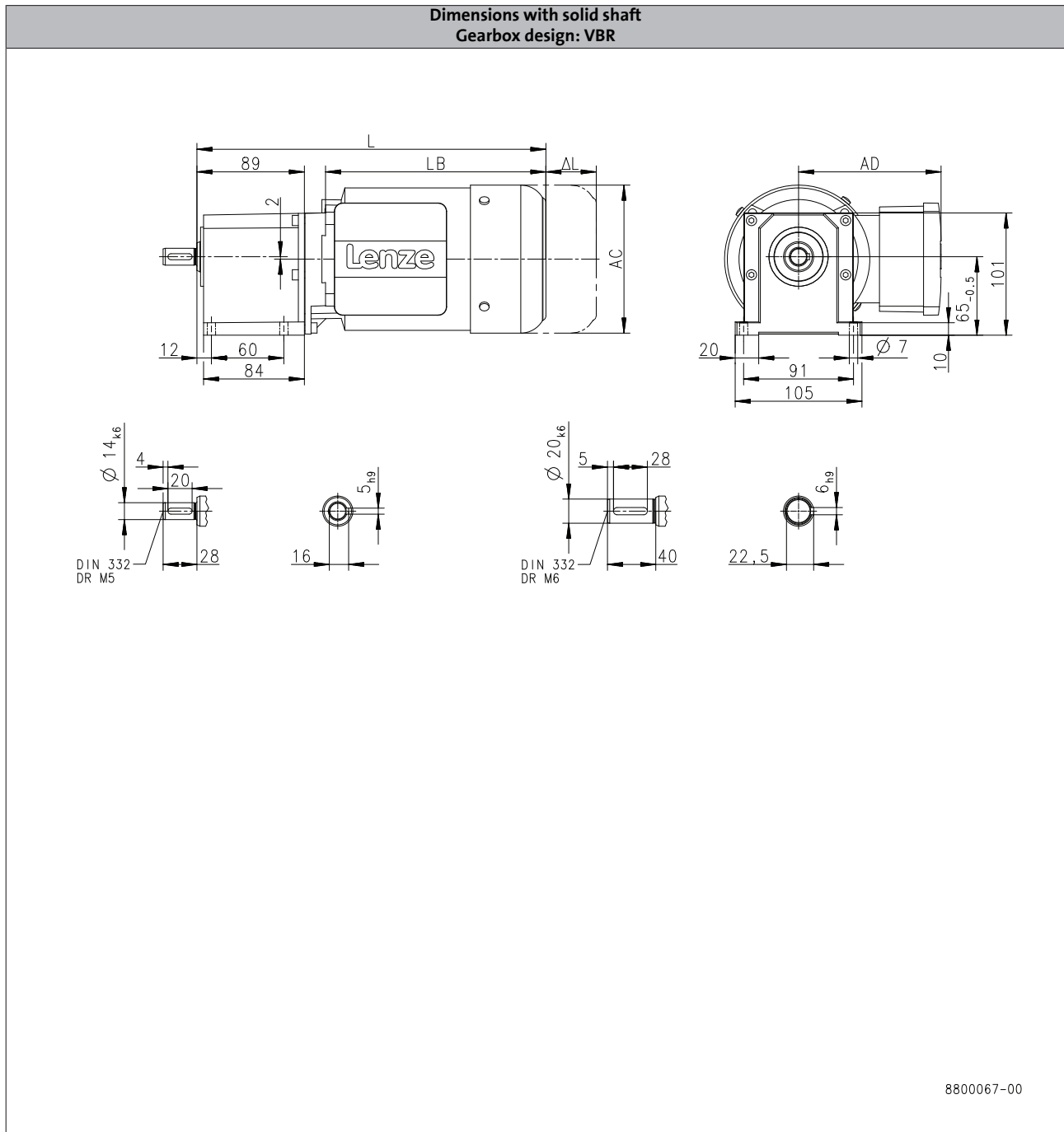
g500-H helical geared motors

Technical data



Dimensions, 4-pole motors

g500-H45



6.3

			MD□MA□□						
			063-02	063-12	063-22	063-32	063-42	071-32	071-42
Total length	L	[mm]	261	288	261	288		308	
Motor length	LB	[mm]	156	183	156	183		203	
Length of motor options	Δ L	[mm]	71.0	40.0	71.0	40.0		52.0	
Motor diameter	AC	[mm]				123			139
Distance motor/connection	AD	[mm]				107			118

L = length of the motor without built-on accessories
 ΔL = additional length of the built-on accessories (with brake)

g500-H helical geared motors

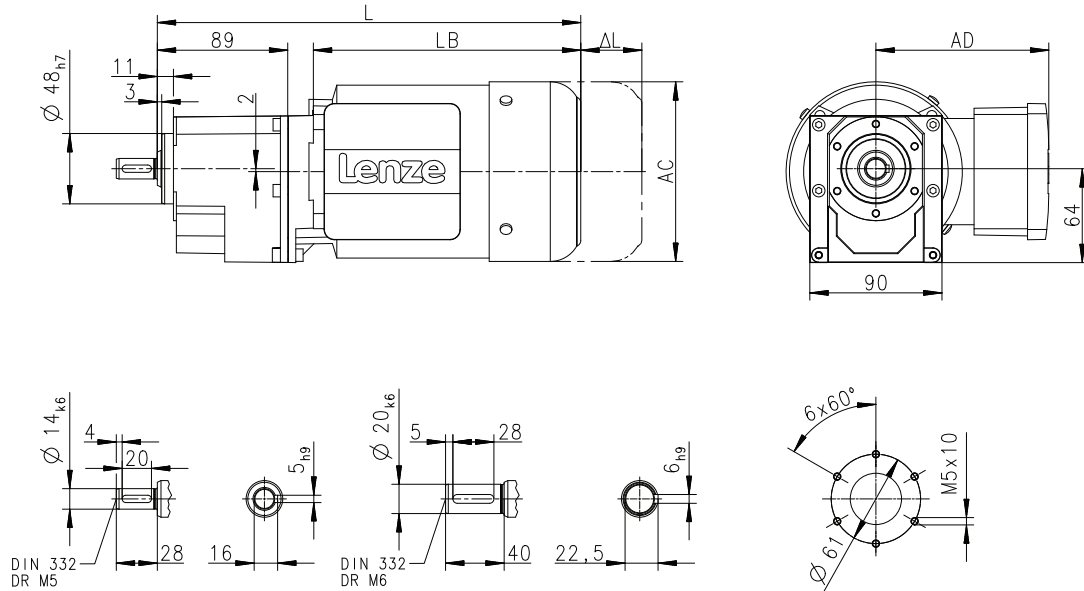
Technical data



Dimensions, 4-pole motors

g500-H45

Dimensions with solid shaft and centering
Gearbox design: VCR



8800069-00

			MD□MA□□						
			063-02	063-12	063-22	063-32	063-42	071-32	071-42
Total length	L	[mm]	261	288	261	288		308	
Motor length	LB	[mm]	156	183	156	183		203	
Length of motor options	ΔL	[mm]	71.0	40.0	71.0	40.0		52.0	
Motor diameter	AC	[mm]			123			139	
Distance motor/connection	AD	[mm]			107			118	

L = length of the motor without built-on accessories
 ΔL = additional length of the built-on accessories (with brake)

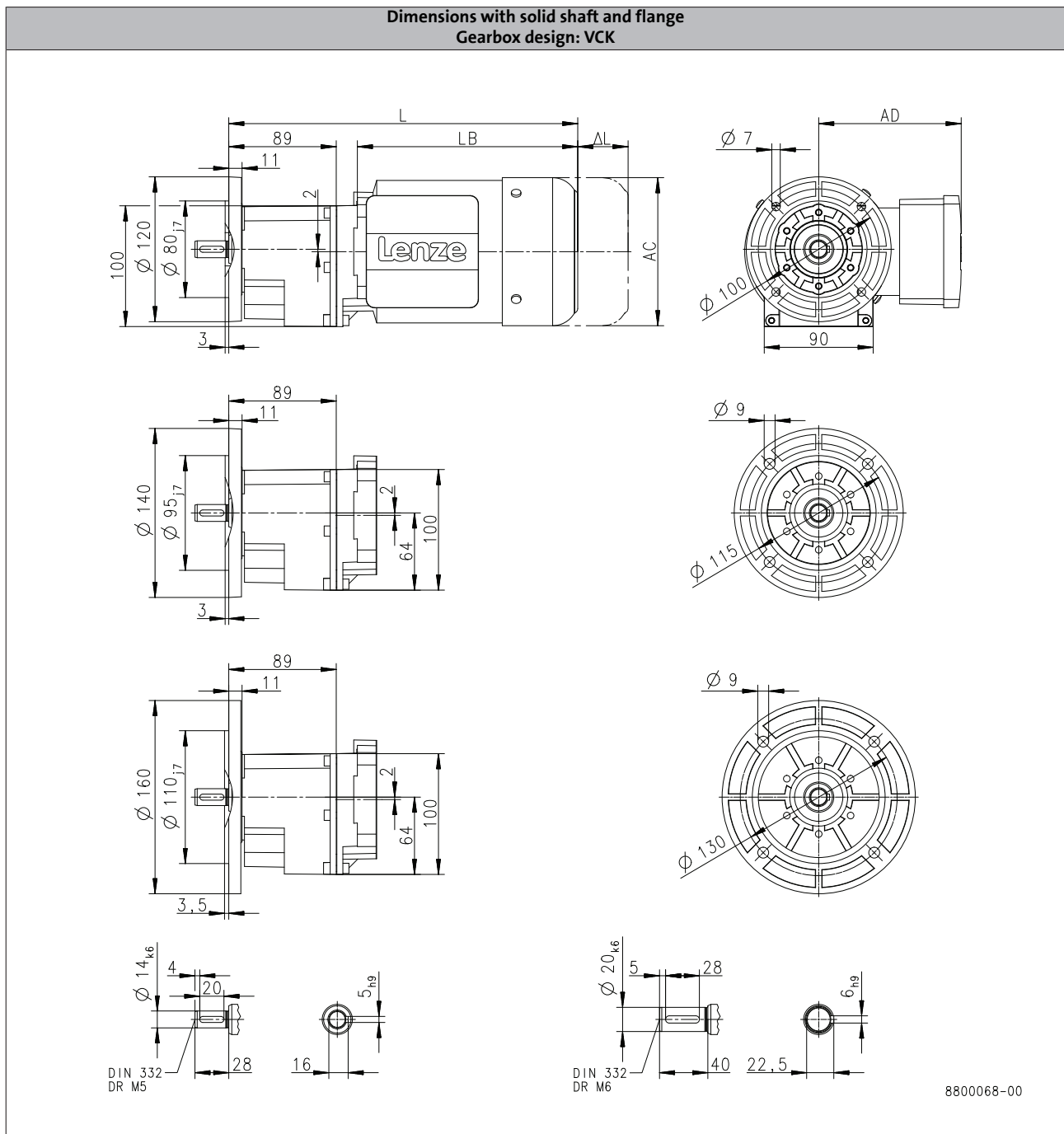
g500-H helical geared motors

Technical data



Dimensions, 4-pole motors

g500-H45



6.3

		MD□MA□□							
		063-02	063-12	063-22	063-32	063-42	071-32	071-42	
Total length	L [mm]	261	288	261	288		308		
Motor length	LB [mm]	156	183	156	183		203		
Length of motor options	Δ L [mm]	71.0	40.0	71.0	40.0		52.0		
Motor diameter	AC [mm]						123	139	
Distance motor/connection	AD [mm]						107	118	

L = length of the motor without built-on accessories
 ΔL = additional length of the built-on accessories (with brake)

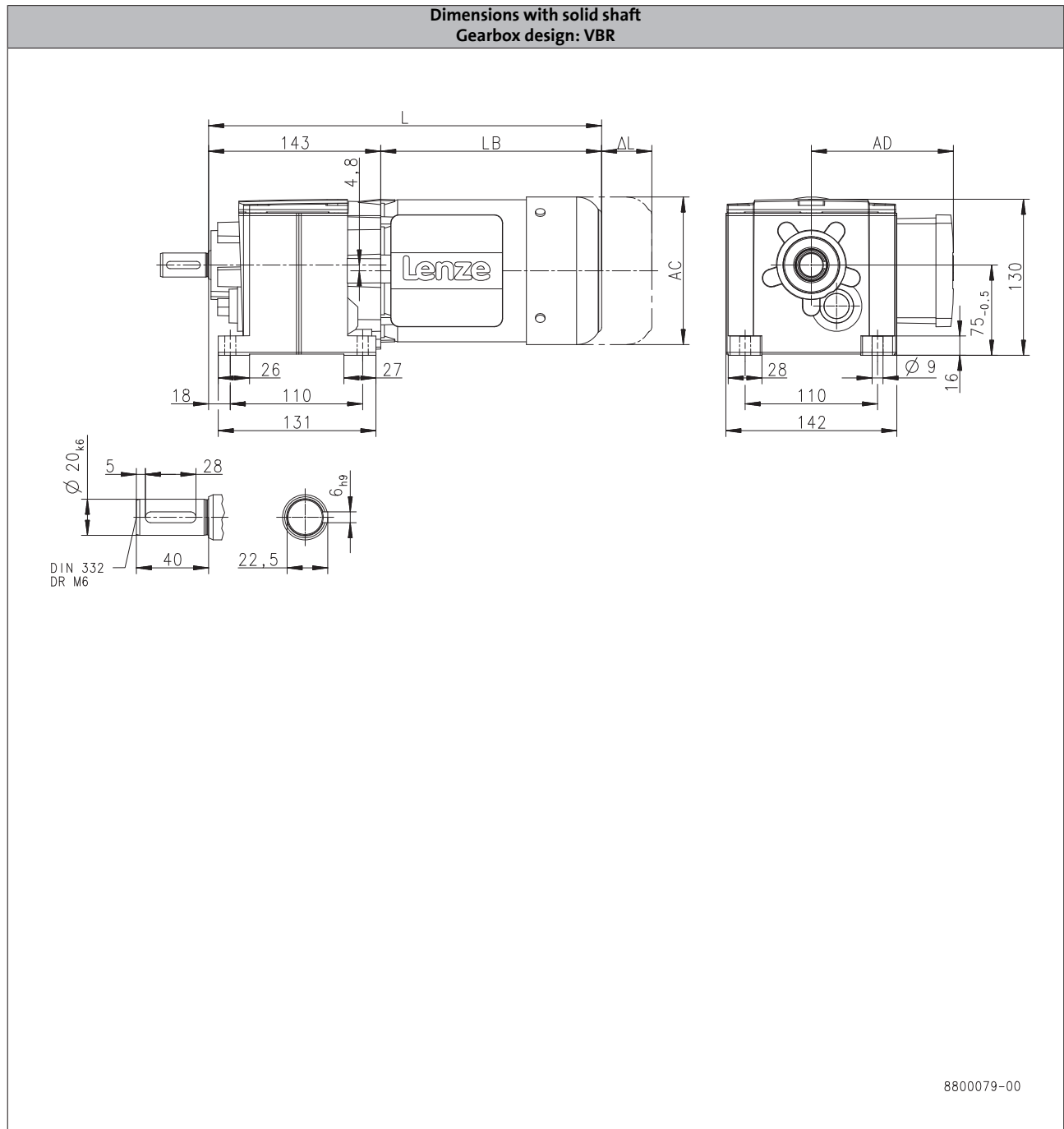
g500-H helical geared motors

Technical data



Dimensions, 4-pole motors

g500-H100



6.3

		MD□MA□□				
		063-12	063-32	063-42	071-32	071-42
Total length	L [mm]		326			346
Motor length	LB [mm]		183			203
Length of motor options	Δ L [mm]		40.0			52.0
Motor diameter	AC [mm]		123			139
Distance motor/connection	AD [mm]		107			118

L = length of the motor without built-on accessories
 ΔL = additional length of the built-on accessories (with brake)

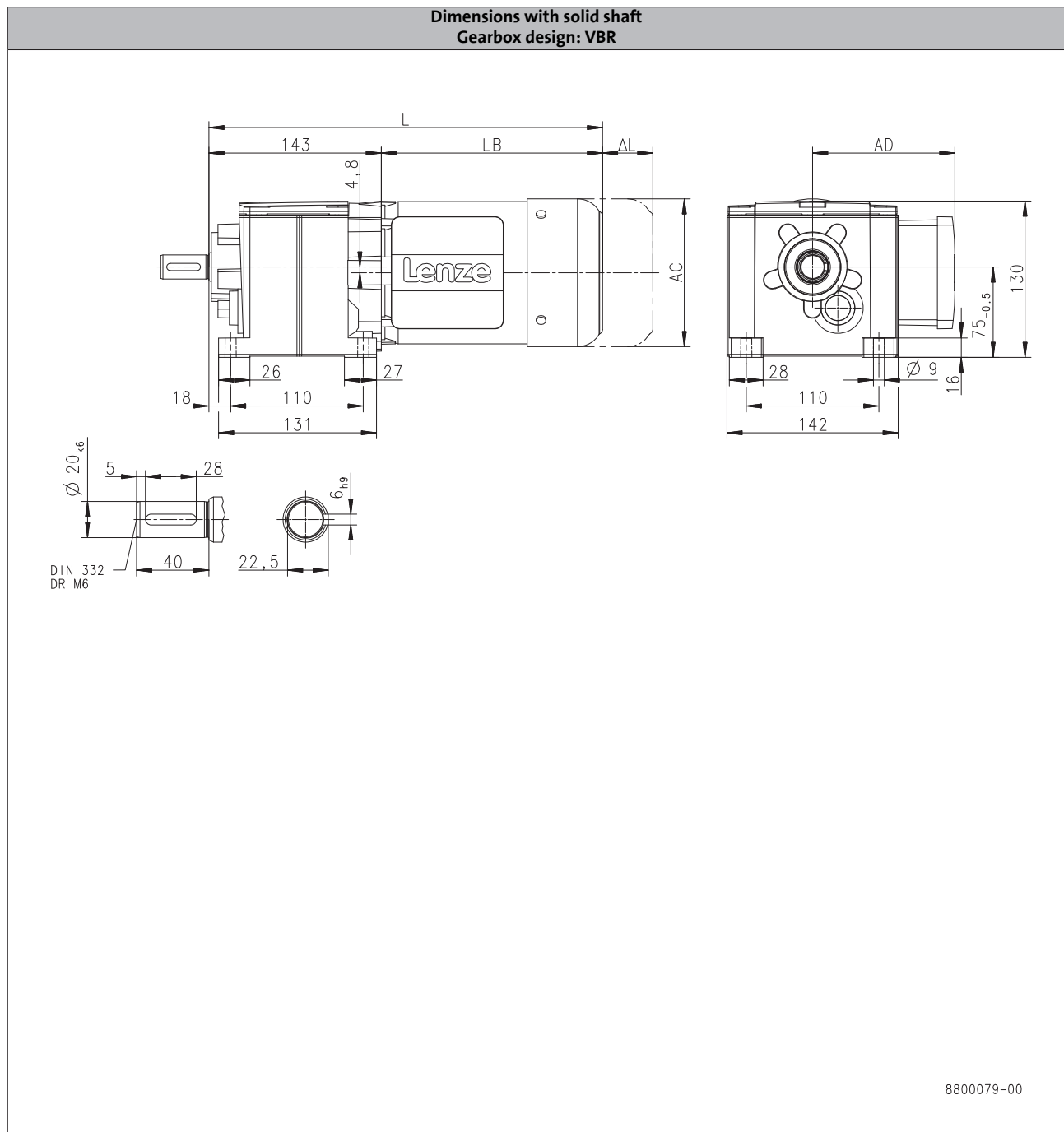
g500-H helical geared motors

Technical data



Dimensions, 4-pole motors

g500-H100



6.3

			m240		
			-P80/M4	-P90/M4	-P90/L4
Total length	L	[mm]	368	437	
Motor length	LB	[mm]	225	294	
Length of motor options	Δ L	[mm]	107	92.0	
Motor diameter	AC	[mm]	158	172	
Distance motor/connection	AD	[mm]	148	155	

L = length of the motor without built-on accessories
 ΔL = additional length of the built-on accessories (with brake)

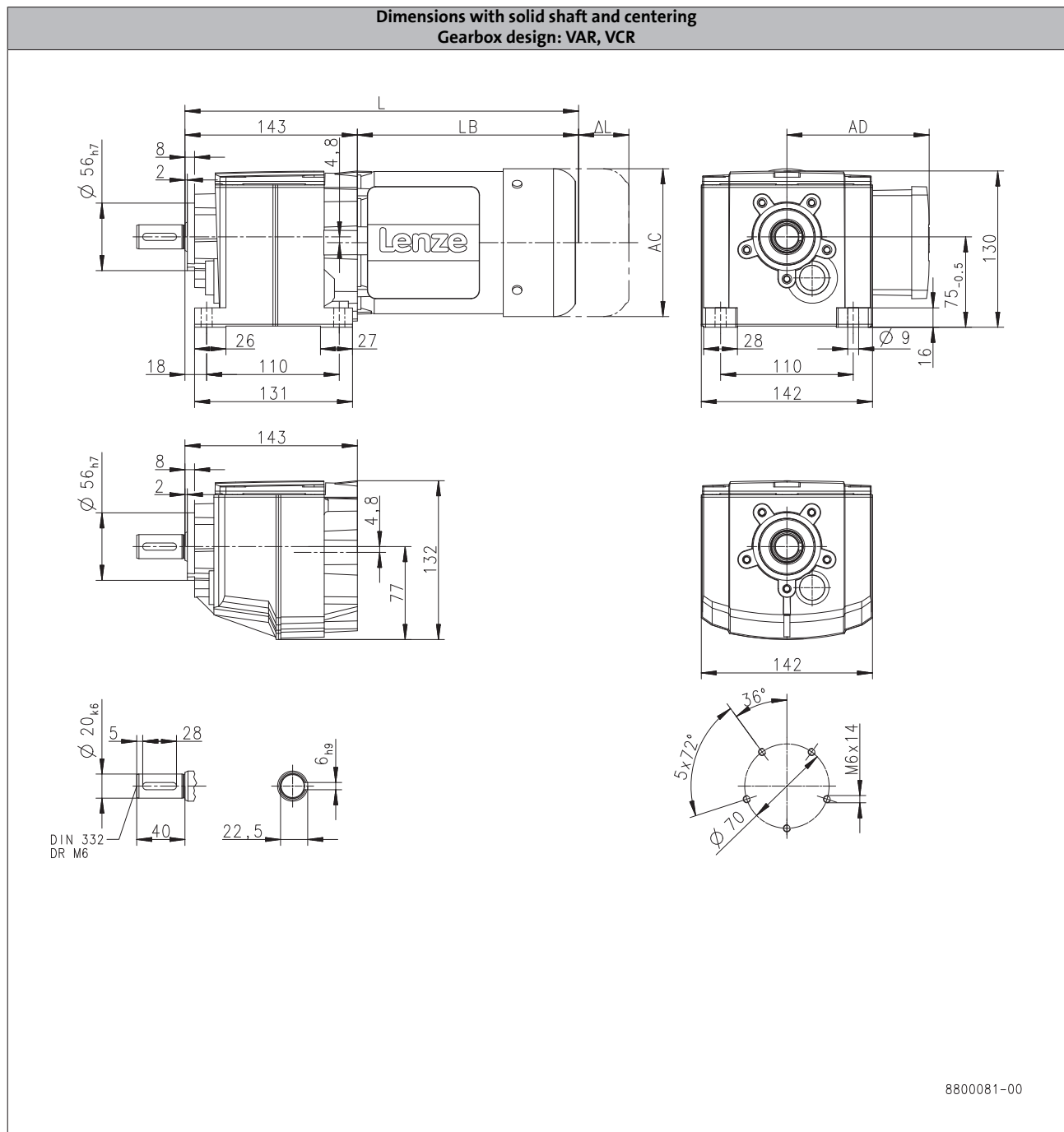
g500-H helical geared motors

Technical data



Dimensions, 4-pole motors

g500-H100



6.3

		MD□MA□□				
		063-12	063-32	063-42	071-32	071-42
Total length	L [mm]		326			346
Motor length	LB [mm]		183			203
Length of motor options	ΔL [mm]		40.0			52.0
Motor diameter	AC [mm]		123			139
Distance motor/connection	AD [mm]		107			118

L = length of the motor without built-on accessories
 ΔL = additional length of the built-on accessories (with brake)

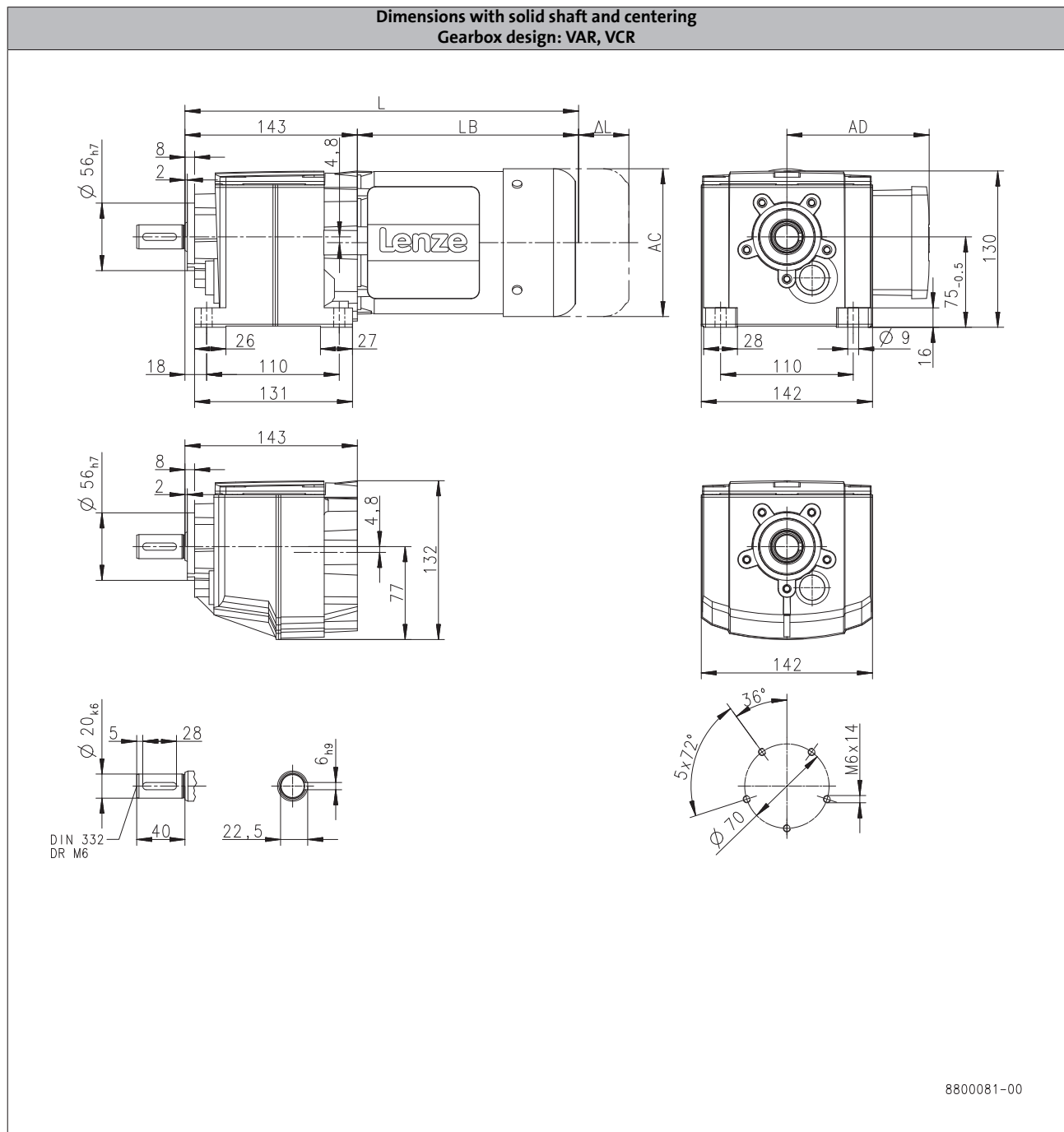
g500-H helical geared motors

Technical data



Dimensions, 4-pole motors

g500-H100



6.3

			m240		
			-P80/M4	-P90/M4	-P90/L4
Total length	L	[mm]	368		437
Motor length	LB	[mm]	225		294
Length of motor options	Δ L	[mm]	107		92.0
Motor diameter	AC	[mm]	158		172
Distance motor/connection	AD	[mm]	148		155

L = length of the motor without built-on accessories
 ΔL = additional length of the built-on accessories (with brake)

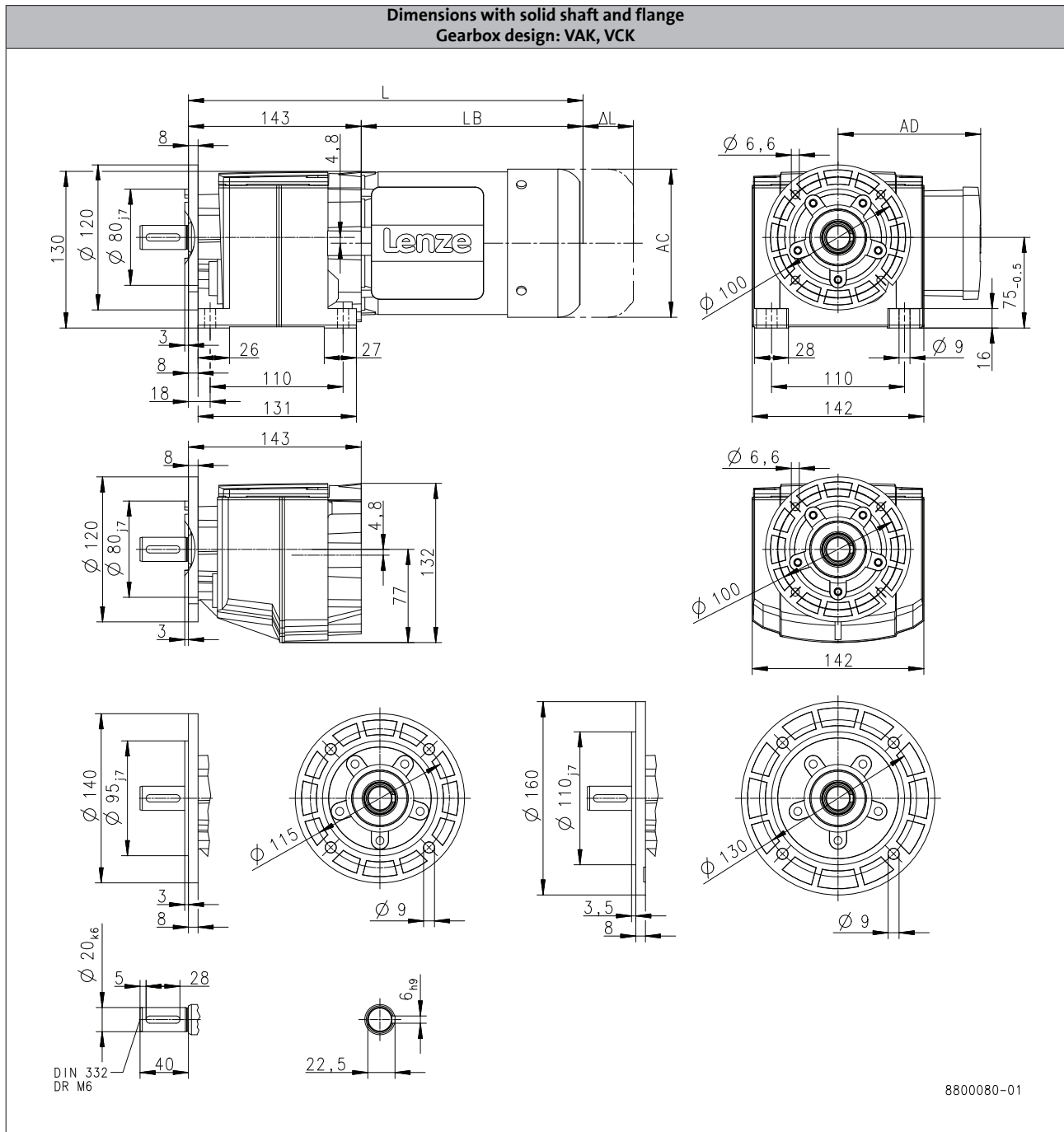
g500-H helical geared motors

Technical data



Dimensions, 4-pole motors

g500-H100



6.3

		MD□MA□□				
		063-12	063-32	063-42	071-32	071-42
Total length	L [mm]		326			346
Motor length	LB [mm]		183			203
Length of motor options	Δ L [mm]		40.0			52.0
Motor diameter	AC [mm]		123			139
Distance motor/connection	AD [mm]		107			118

L = length of the motor without built-on accessories
 ΔL = additional length of the built-on accessories (with brake)

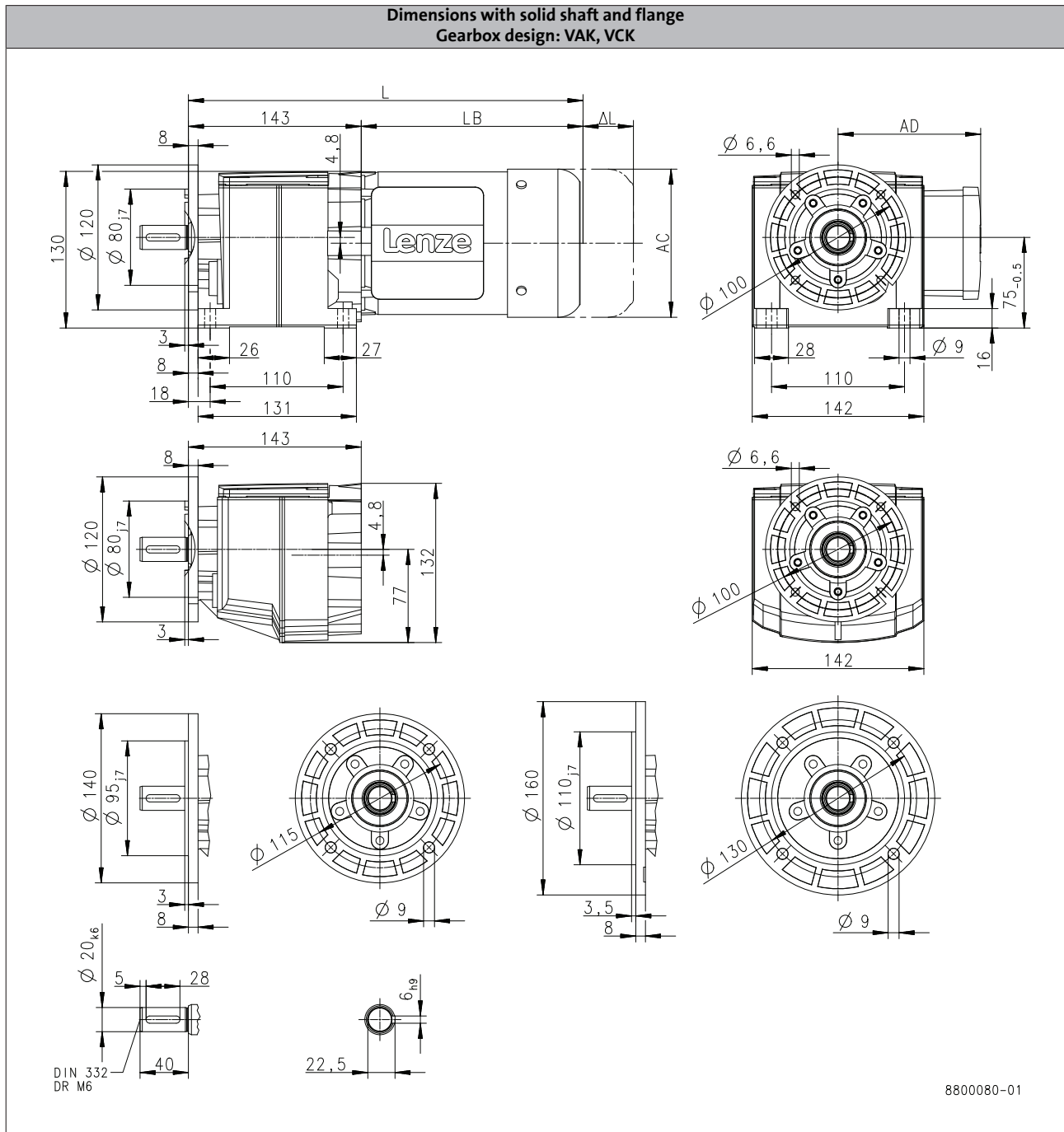
g500-H helical geared motors

Technical data



Dimensions, 4-pole motors

g500-H100



6.3

			m240		
			-P80/M4	-P90/M4	-P90/L4
Total length	L	[mm]	368		437
Motor length	LB	[mm]	225		294
Length of motor options	Δ L	[mm]	107		92.0
Motor diameter	AC	[mm]	158		172
Distance motor/connection	AD	[mm]	148		155

L = length of the motor without built-on accessories
 ΔL = additional length of the built-on accessories (with brake)

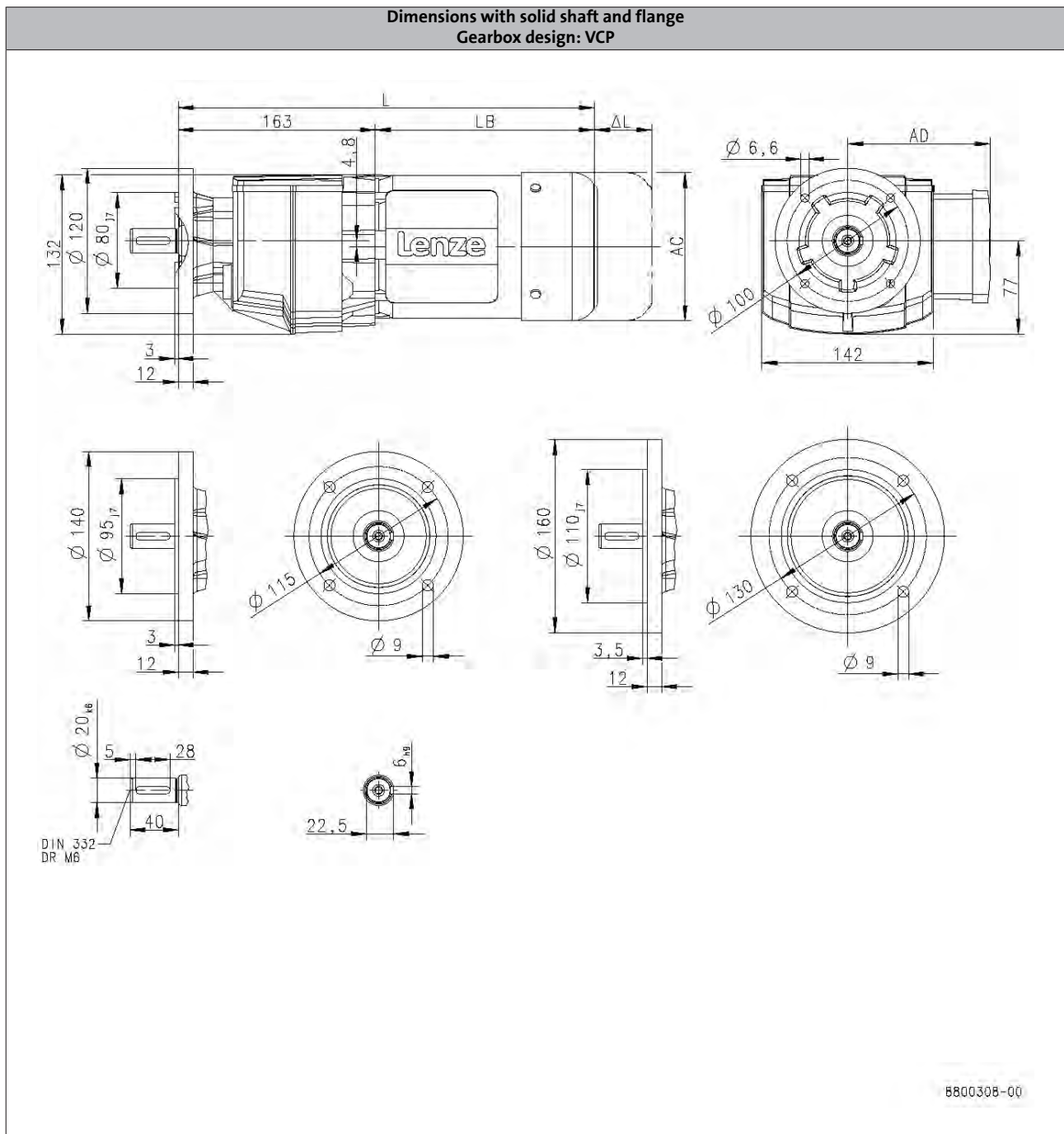
g500-H helical geared motors

Technical data



Dimensions, 4-pole motors

g500-H100



6.3

		MD□MA□□				
		063-12	063-32	063-42	071-32	071-42
Total length	L [mm]		346			366
Motor length	LB [mm]		183			203
Length of motor options	Δ L [mm]		40.0			52.0
Motor diameter	AC [mm]		123			139
Distance motor/connection	AD [mm]		107			118

L = length of the motor without built-on accessories
 ΔL = additional length of the built-on accessories (with brake)

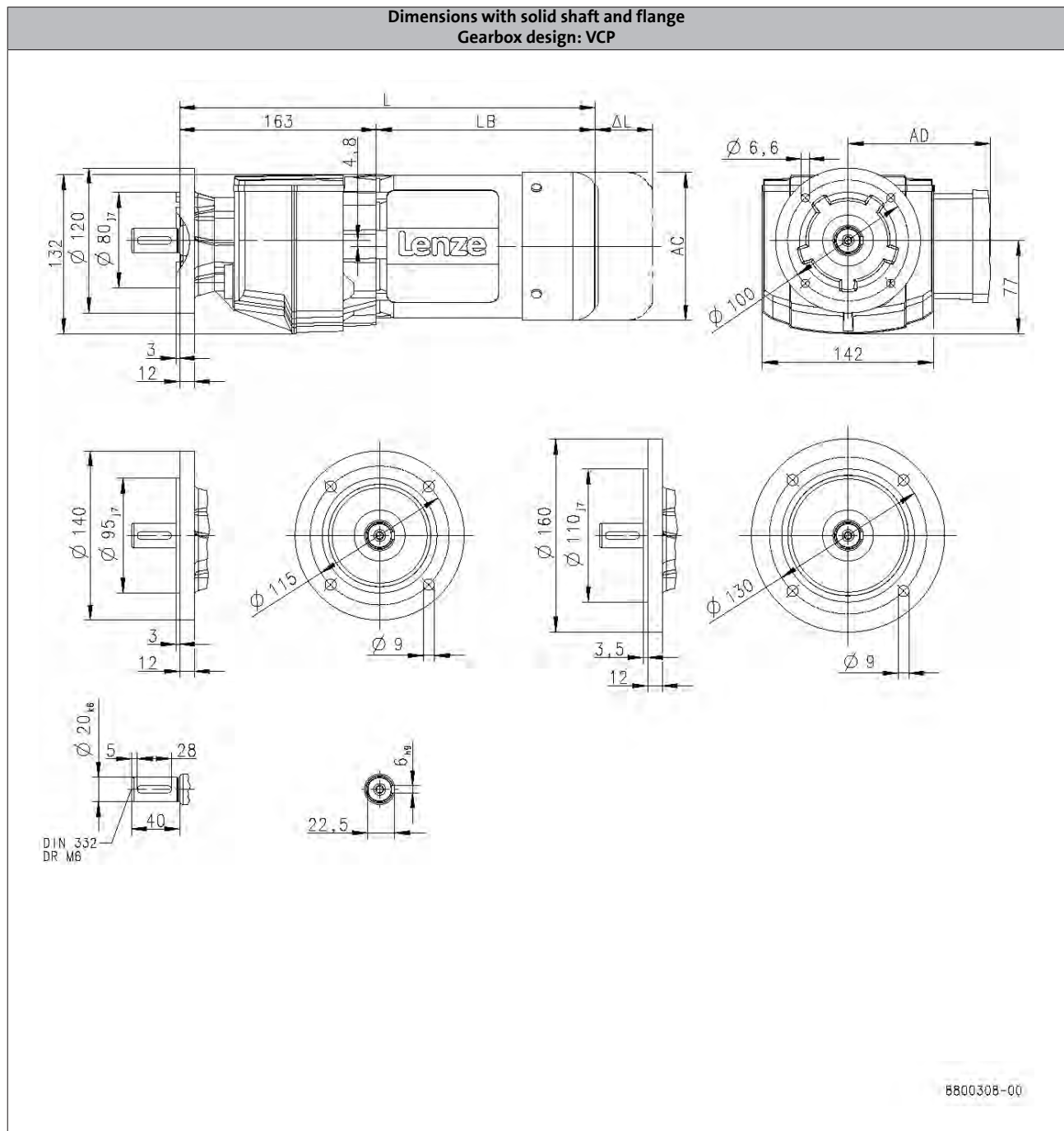
g500-H helical geared motors

Technical data



Dimensions, 4-pole motors

g500-H100



6.3

		m240		
		-P80/M4	-P90/M4	-P90/L4
Total length	L [mm]	388		457
Motor length	LB [mm]	225		294
Length of motor options	Δ L [mm]	107		92.0
Motor diameter	AC [mm]	158		172
Distance motor/connection	AD [mm]	148		155

L = length of the motor without built-on accessories
 ΔL = additional length of the built-on accessories (with brake)

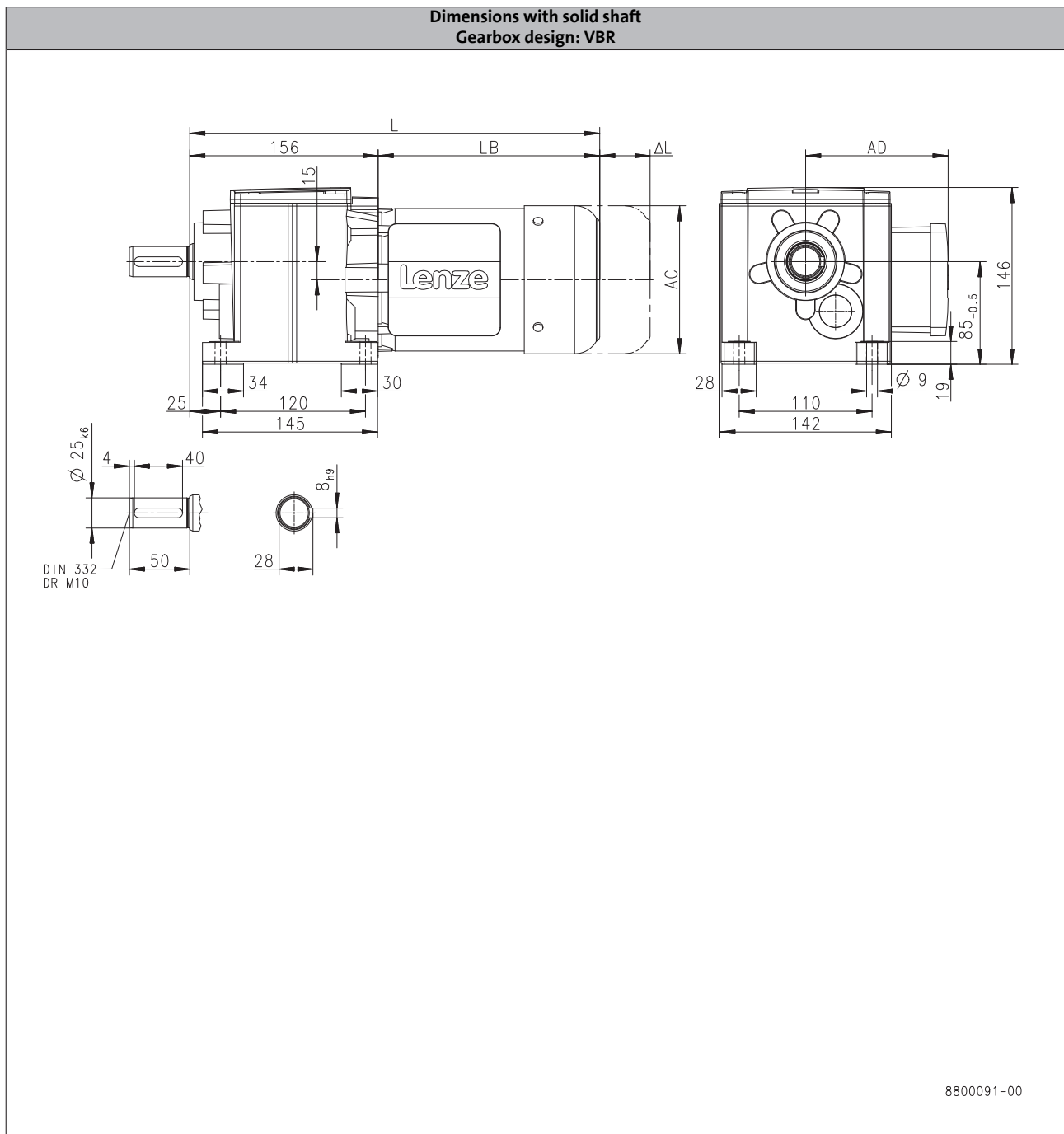
g500-H helical geared motors

Technical data



Dimensions, 4-pole motors

g500-H140



6.3

		MD□MA□□				
		063-12	063-32	063-42	071-32	071-42
Total length	L [mm]		339			359
Motor length	LB [mm]		183			203
Length of motor options	Δ L [mm]		40.0			52.0
Motor diameter	AC [mm]		123			139
Distance motor/connection	AD [mm]		107			118

L = length of the motor without built-on accessories
 ΔL = additional length of the built-on accessories (with brake)

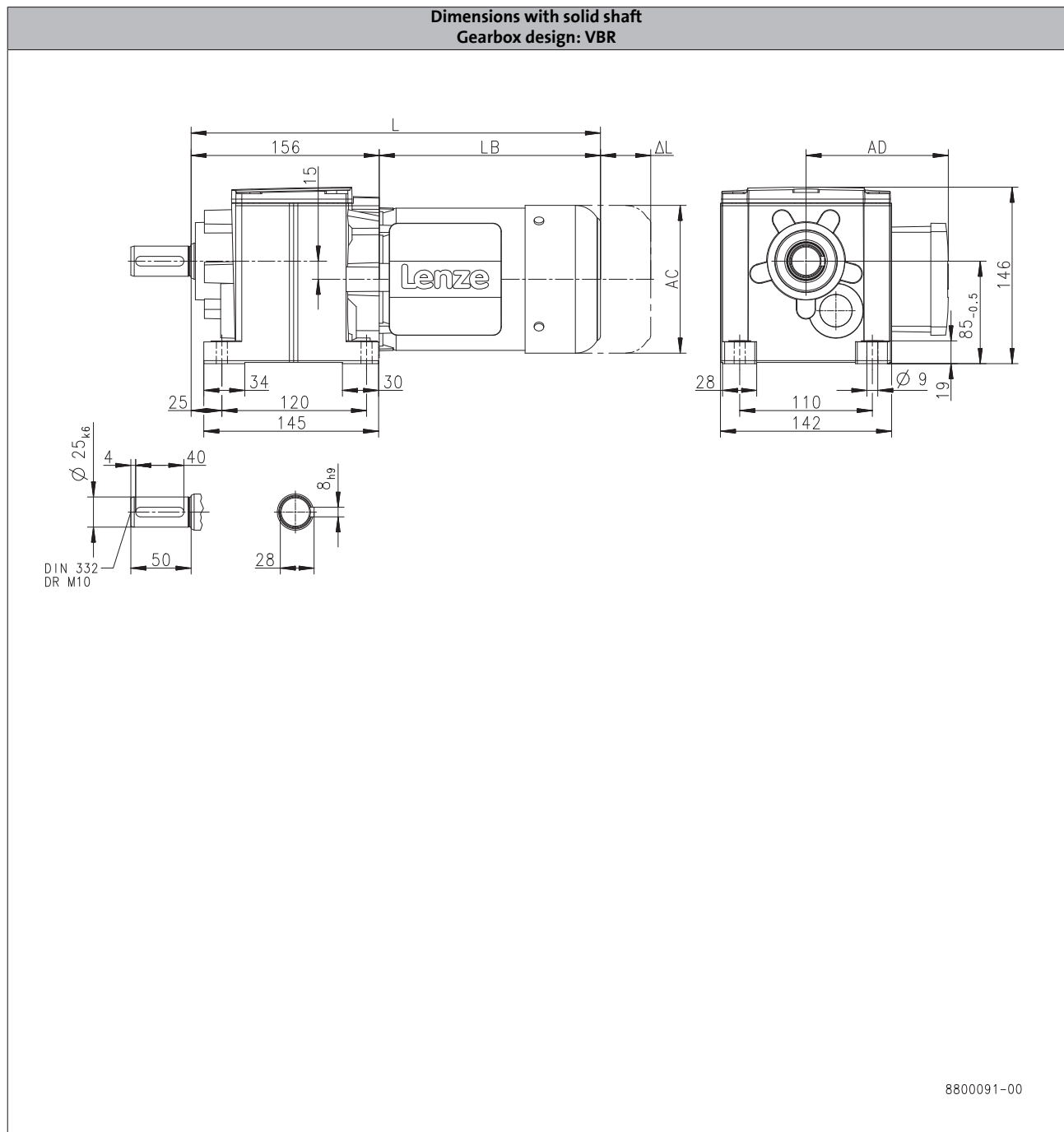
g500-H helical geared motors

Technical data



Dimensions, 4-pole motors

g500-H140



			m240		
			-P80/M4	-P90/M4	-P90/L4
Total length	L	[mm]	381	450	
Motor length	LB	[mm]	225	294	
Length of motor options	Δ L	[mm]	107	92.0	
Motor diameter	AC	[mm]	158	172	
Distance motor/connection	AD	[mm]	148	155	

L = length of the motor without built-on accessories
 ΔL = additional length of the built-on accessories (with brake)

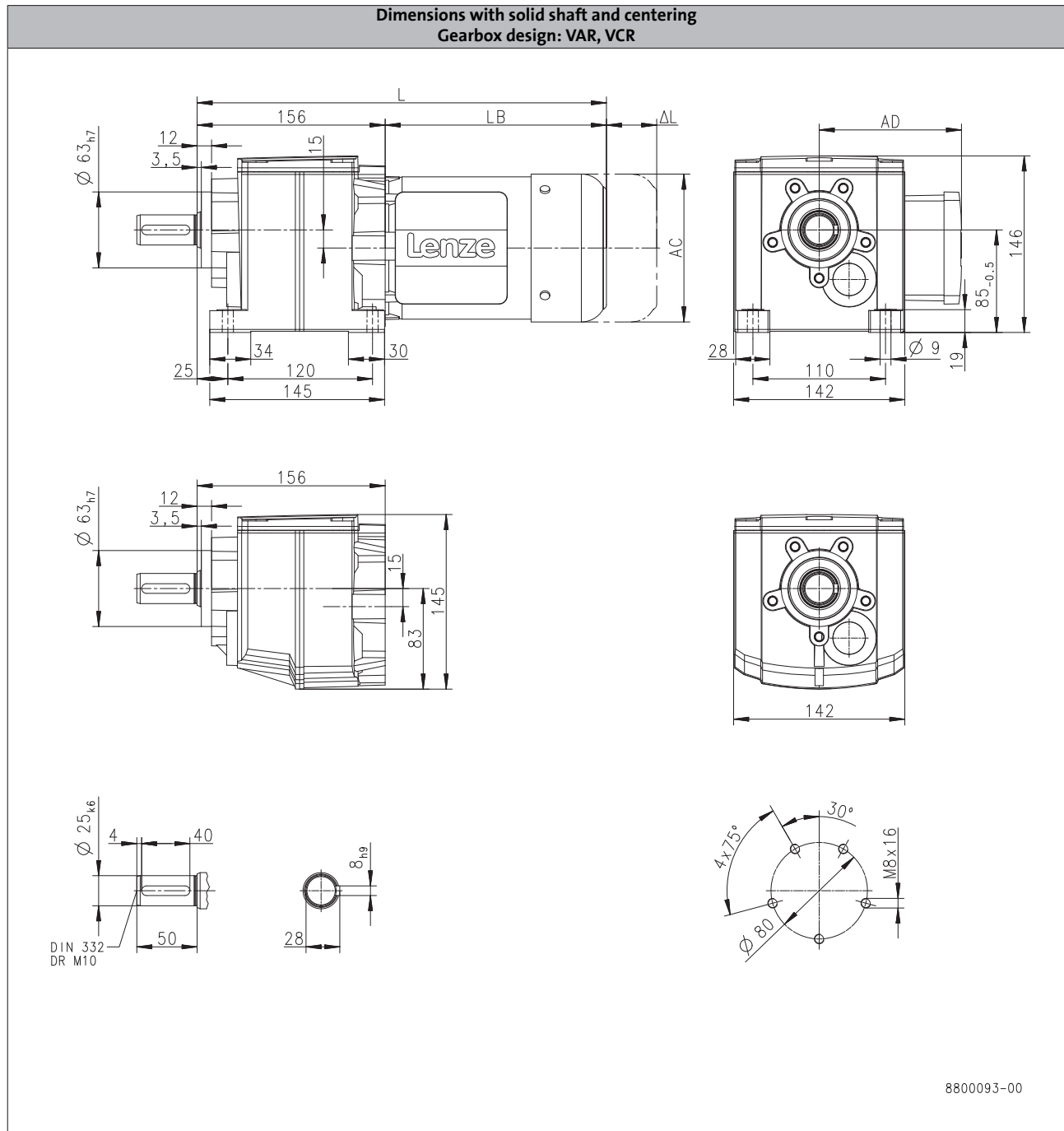
g500-H helical geared motors

Technical data



Dimensions, 4-pole motors

g500-H140



6.3

		MD□MA□□				
		063-12	063-32	063-42	071-32	071-42
Total length	L [mm]		339			359
Motor length	LB [mm]		183			203
Length of motor options	Δ L [mm]		40.0			52.0
Motor diameter	AC [mm]		123			139
Distance motor/connection	AD [mm]		107			118

L = length of the motor without built-on accessories
 ΔL = additional length of the built-on accessories (with brake)

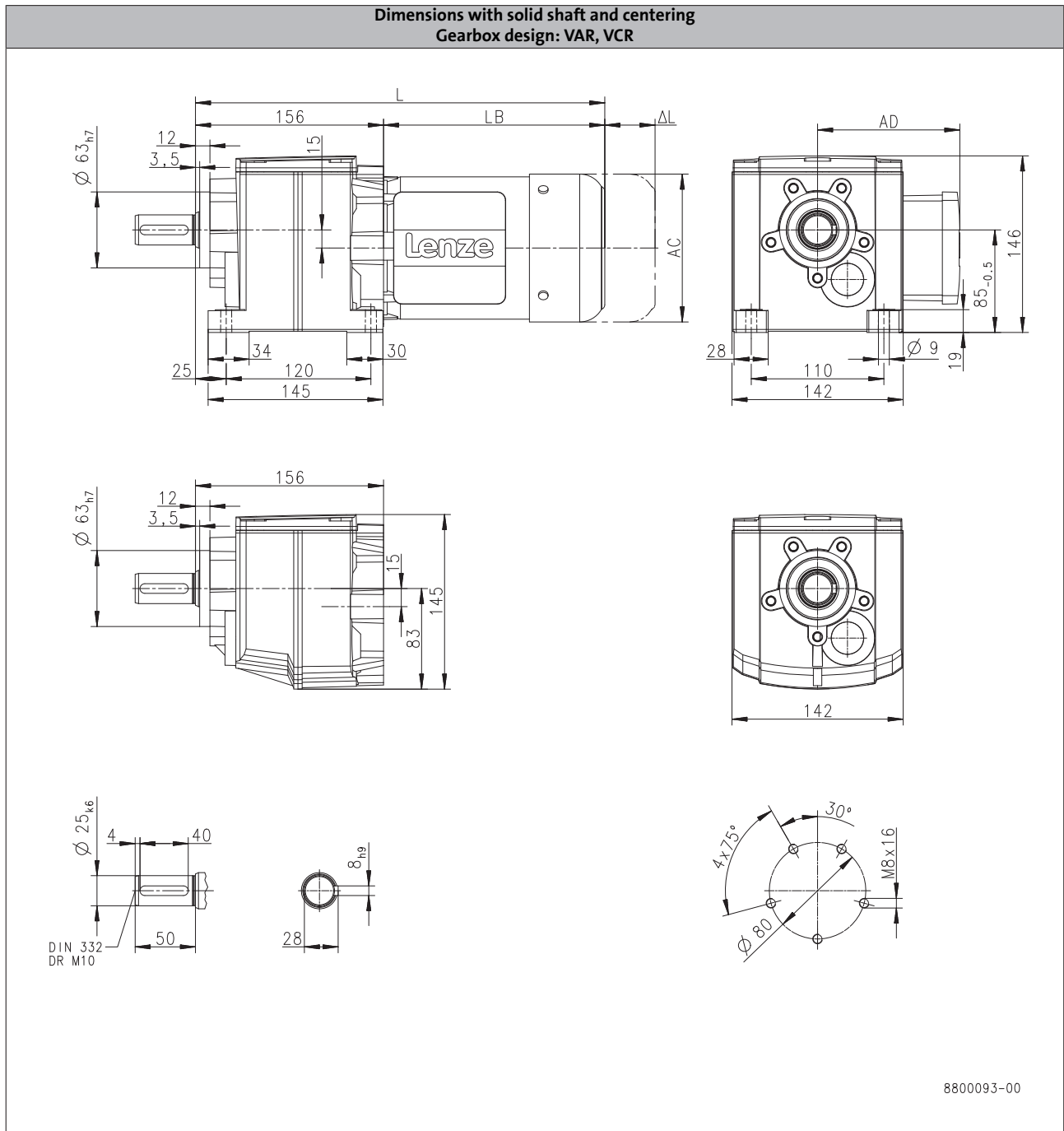
g500-H helical geared motors

Technical data



Dimensions, 4-pole motors

g500-H140



6.3

			m240		
			-P80/M4	-P90/M4	-P90/L4
Total length	L	[mm]	381	450	
Motor length	LB	[mm]	225	294	
Length of motor options	ΔL	[mm]	107	92.0	
Motor diameter	AC	[mm]	158	172	
Distance motor/connection	AD	[mm]	148	155	

L = length of the motor without built-on accessories
 ΔL = additional length of the built-on accessories (with brake)

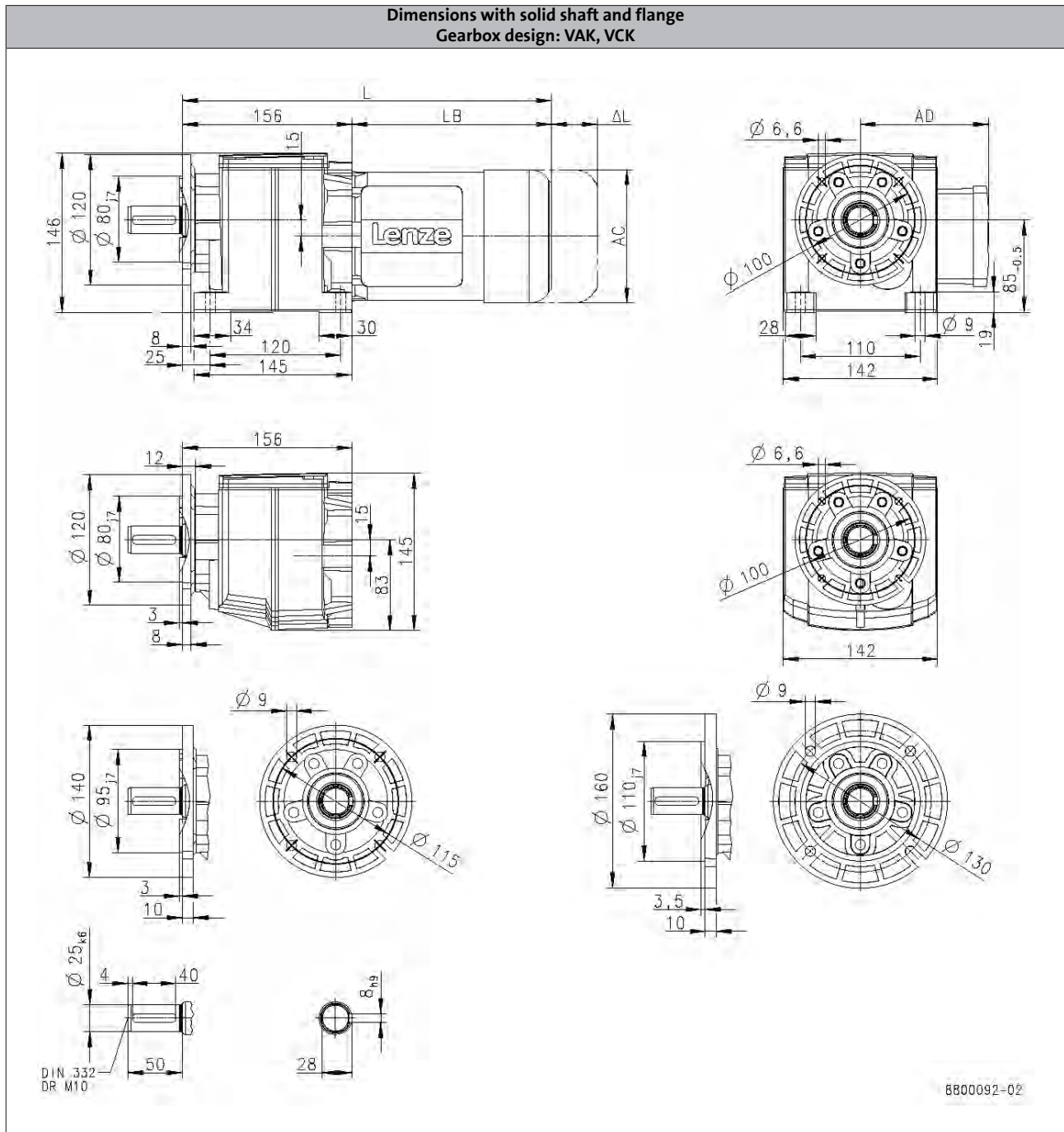
g500-H helical geared motors

Technical data



Dimensions, 4-pole motors

g500-H140



6.3

		m240		
		-P80/M4	-P90/M4	-P90/L4
Total length	L [mm]	381		450
Motor length	LB [mm]	225		294
Length of motor options	Δ L [mm]	107		92.0
Motor diameter	AC [mm]	158		172
Distance motor/connection	AD [mm]	148		155

L = length of the motor without built-on accessories
 ΔL = additional length of the built-on accessories (with brake)

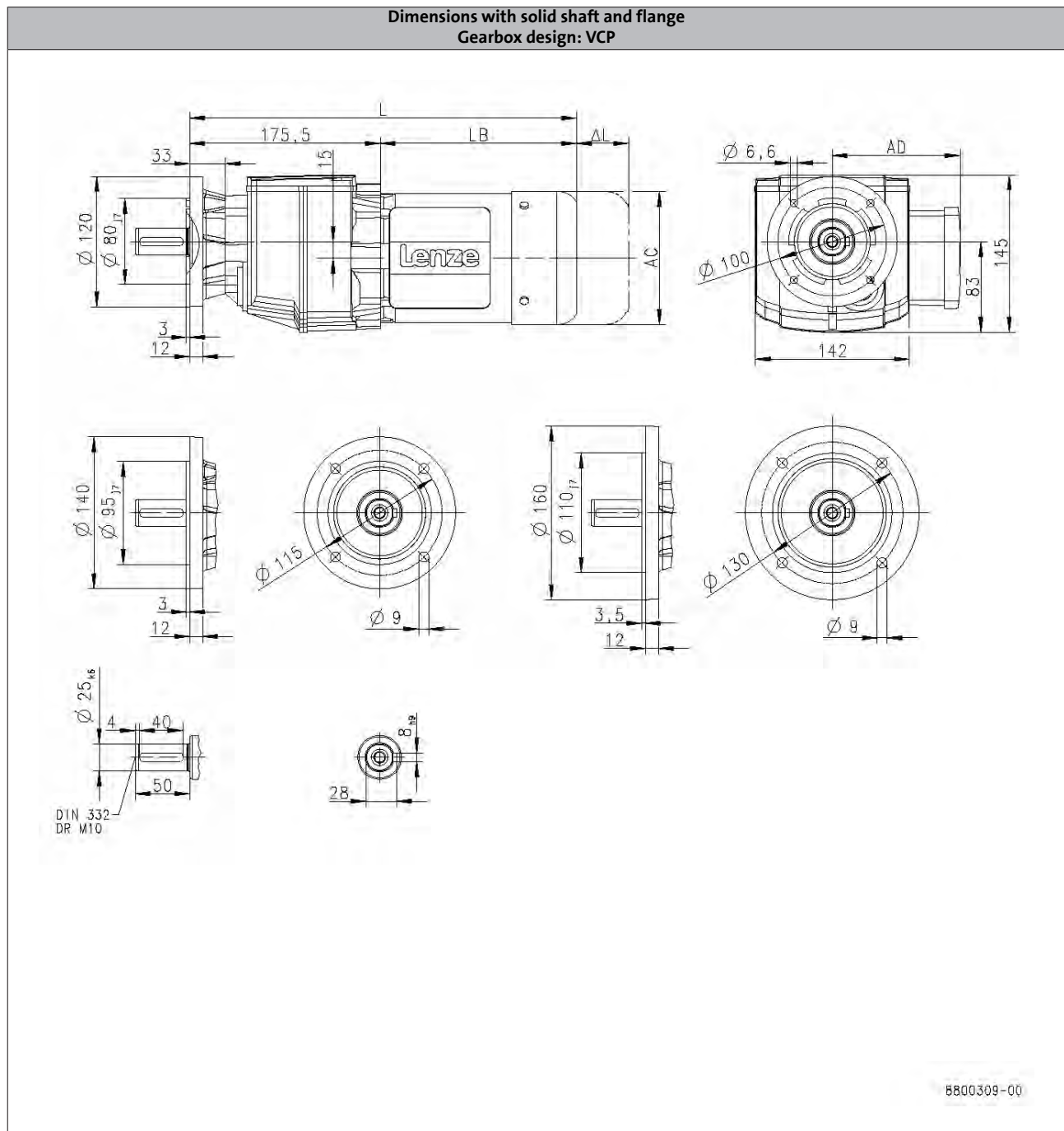
g500-H helical geared motors

Technical data



Dimensions, 4-pole motors

g500-H140



6.3

		MD□MA□□				
		063-12	063-32	063-42	071-32	071-42
Total length	L [mm]		359			379
Motor length	LB [mm]		183			203
Length of motor options	Δ L [mm]		40.0			52.0
Motor diameter	AC [mm]		123			139
Distance motor/connection	AD [mm]		107			118

L = length of the motor without built-on accessories
 ΔL = additional length of the built-on accessories (with brake)

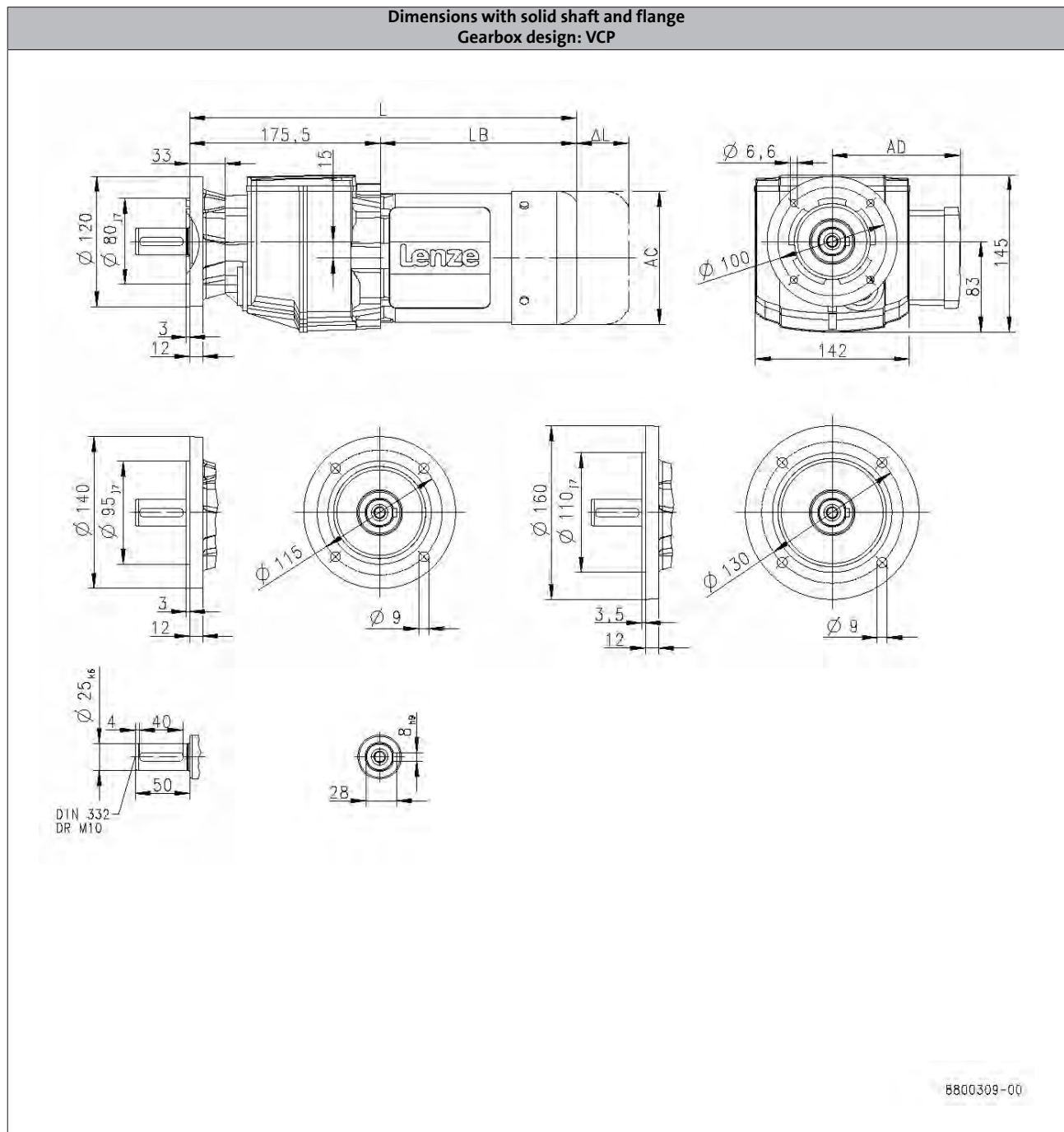
g500-H helical geared motors

Technical data



Dimensions, 4-pole motors

g500-H140



6.3

			m240		
			-P80/M4	-P90/M4	-P90/L4
Total length	L	[mm]	401		470
Motor length	LB	[mm]	225		294
Length of motor options	Δ L	[mm]	107		92.0
Motor diameter	AC	[mm]	158		172
Distance motor/connection	AD	[mm]	148		155

L = length of the motor without built-on accessories
 ΔL = additional length of the built-on accessories (with brake)

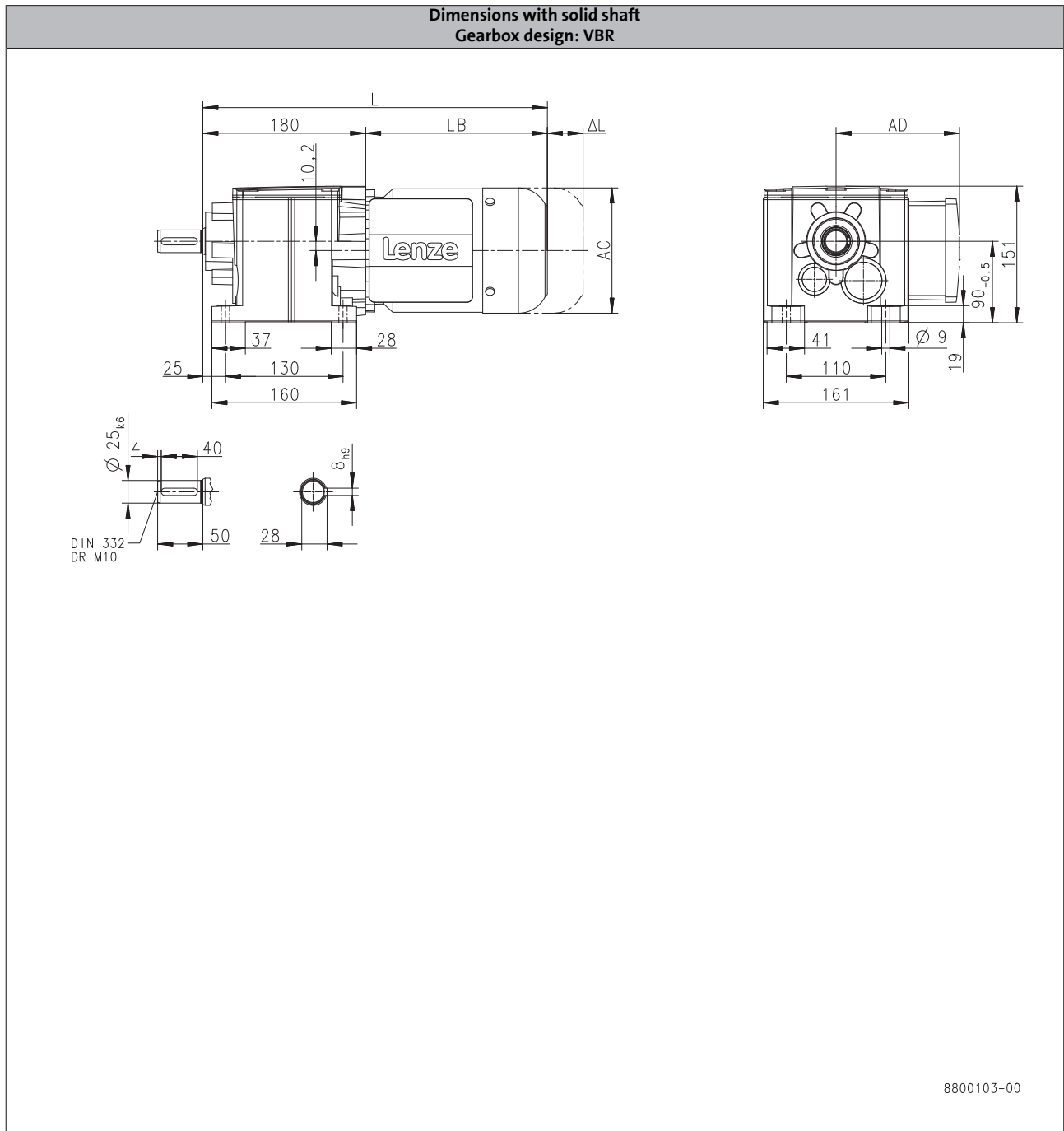
g500-H helical geared motors

Technical data



Dimensions, 4-pole motors

g500-H210



6.3

		MD□MA□□				
		063-12	063-32	063-42	071-32	071-42
Total length	L [mm]		363			383
Motor length	LB [mm]		183			203
Length of motor options	Δ L [mm]		40.0			52.0
Motor diameter	AC [mm]		123			139
Distance motor/connection	AD [mm]		107			118

L = length of the motor without built-on accessories
 ΔL = additional length of the built-on accessories (with brake)

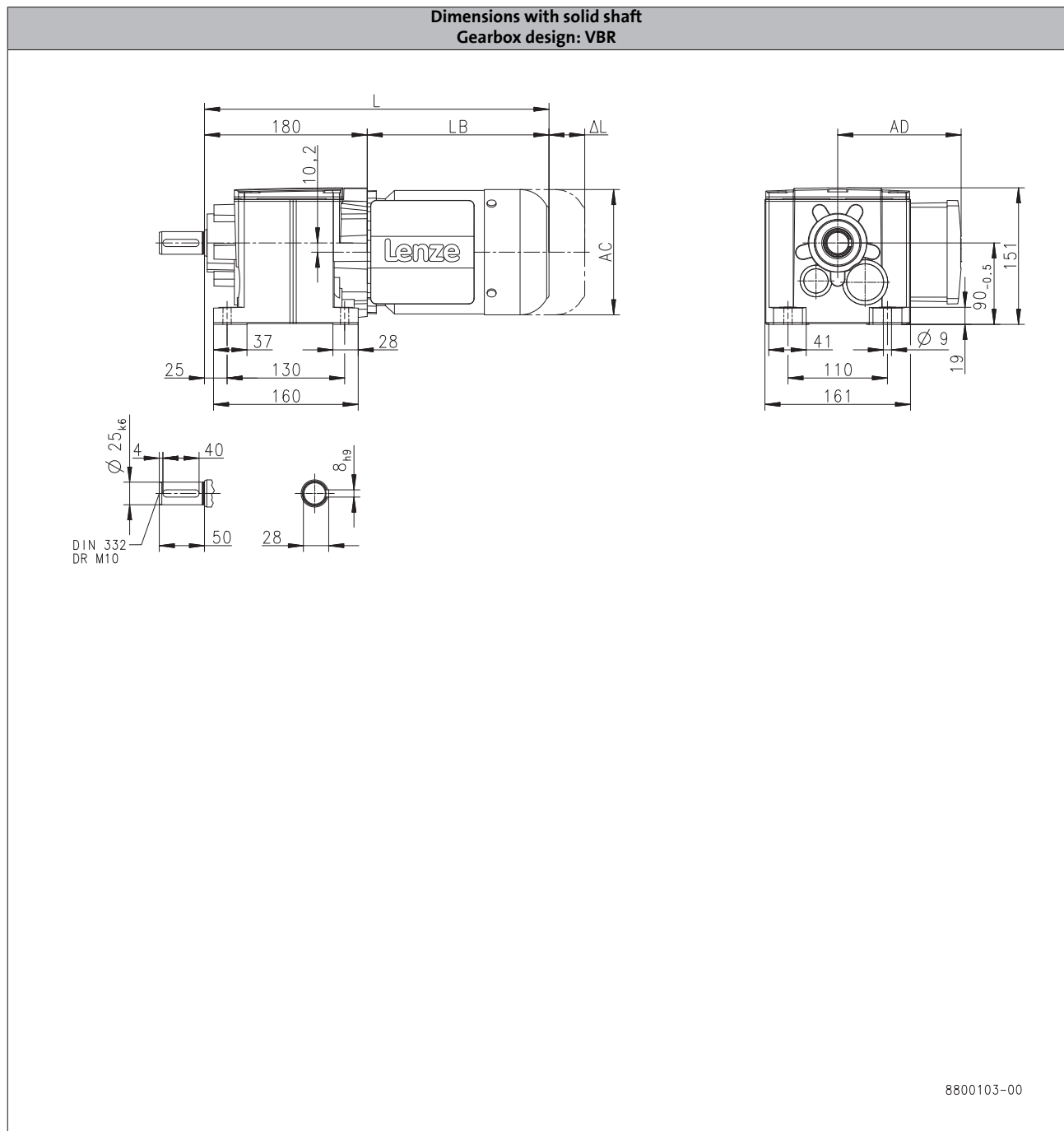
g500-H helical geared motors

Technical data



Dimensions, 4-pole motors

g500-H210



6.3

			m240				
			-P80/M4	-P90/M4	-P90/L4	-P100/M4	-P100/L4
Total length	L	[mm]	405	474		536	
Motor length	LB	[mm]	225	294		356	
Length of motor options	Δ L	[mm]	107	92.0		103	
Motor diameter	AC	[mm]	158	172		192	
Distance motor/connection	AD	[mm]	148	155		164	

L = length of the motor without built-on accessories
 ΔL = additional length of the built-on accessories (with brake)

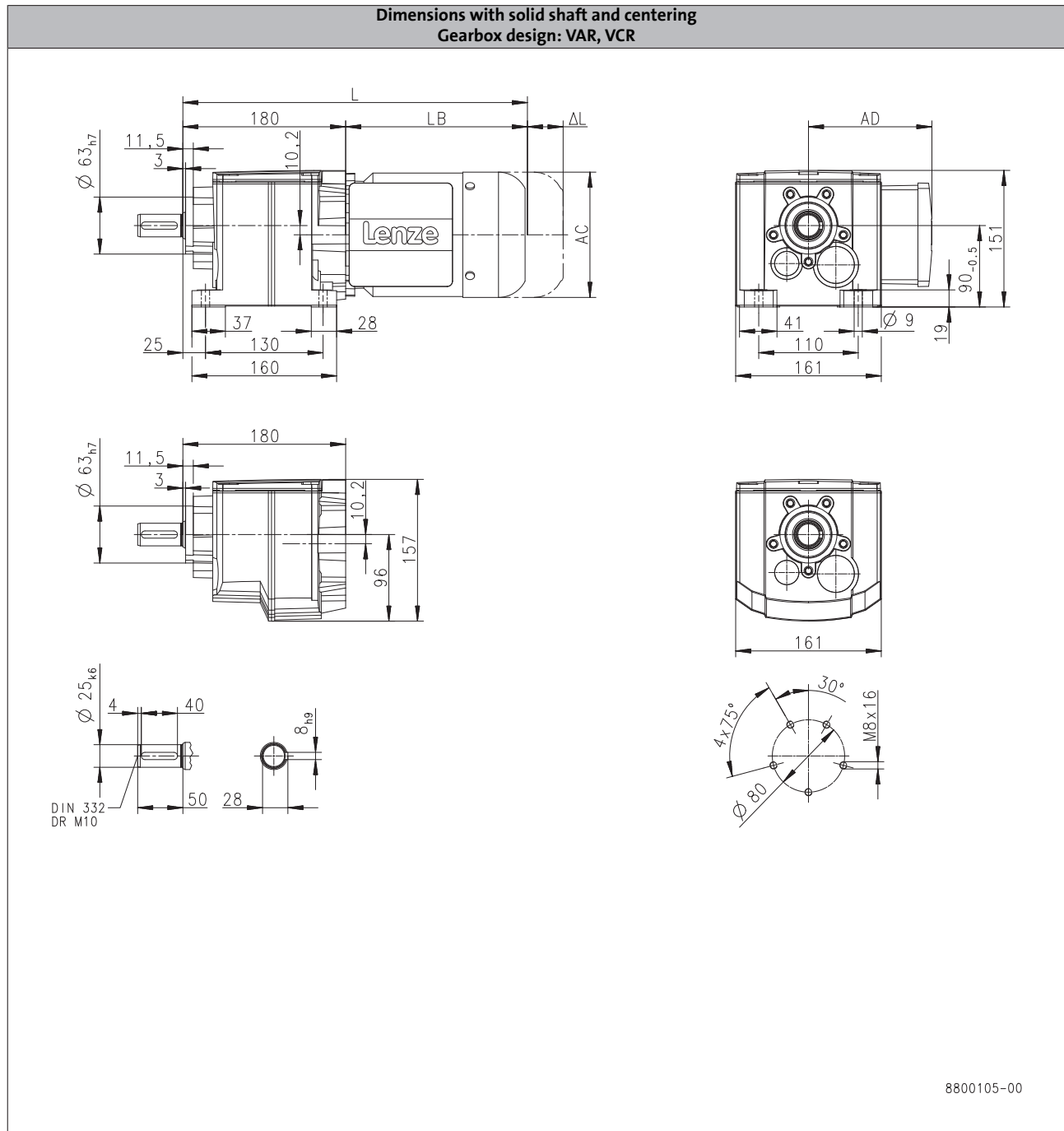
g500-H helical geared motors

Technical data



Dimensions, 4-pole motors

g500-H210



6.3

		MD□MA□□				
		063-12	063-32	063-42	071-32	071-42
Total length	L [mm]		363			383
Motor length	LB [mm]		183			203
Length of motor options	Δ L [mm]		40.0			52.0
Motor diameter	AC [mm]		123			139
Distance motor/connection	AD [mm]		107			118

L = length of the motor without built-on accessories
 ΔL = additional length of the built-on accessories (with brake)

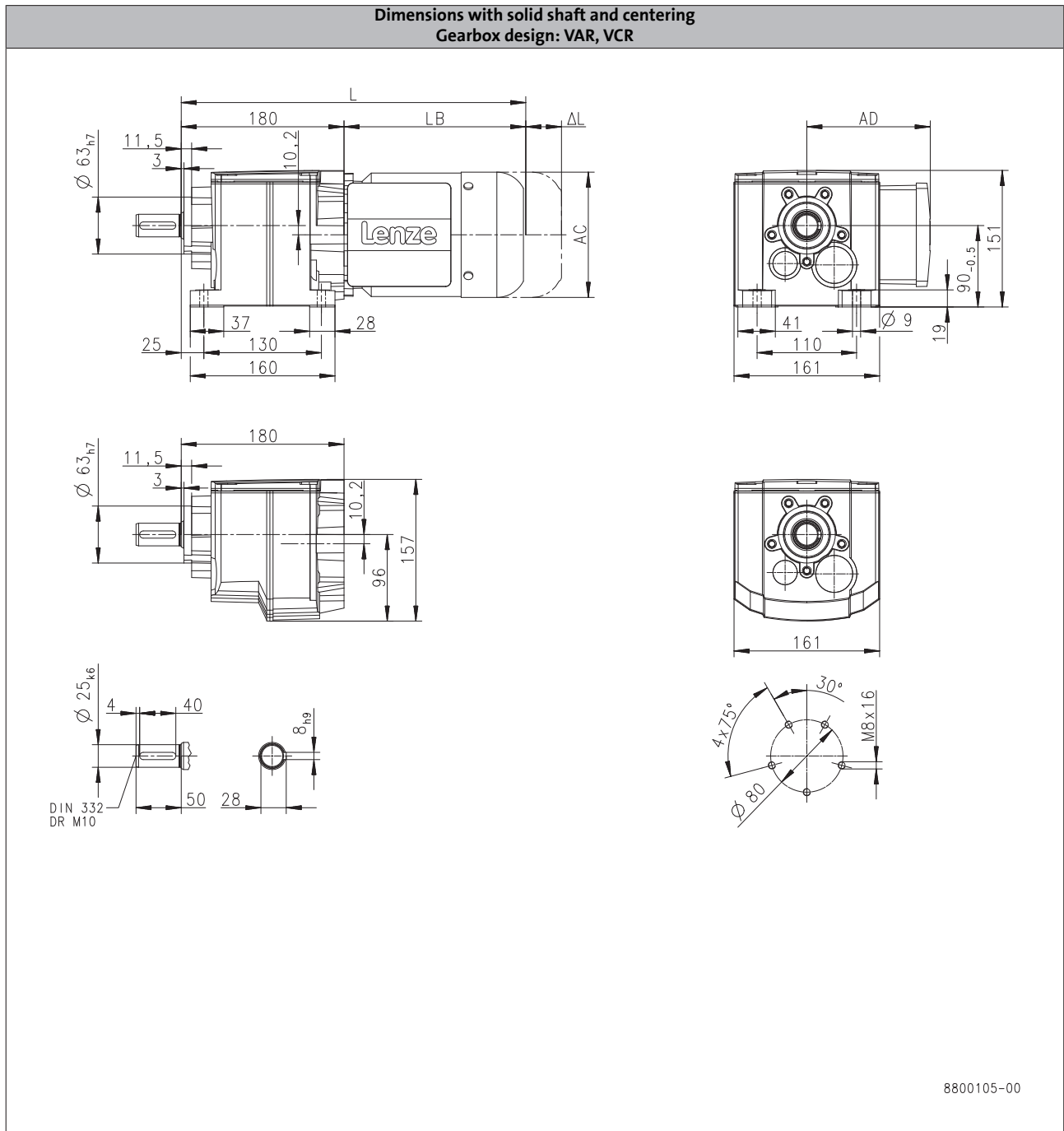
g500-H helical geared motors

Technical data



Dimensions, 4-pole motors

g500-H210



6.3

			m240				
			-P80/M4	-P90/M4	-P90/L4	-P100/M4	-P100/L4
Total length	L	[mm]	405		474		536
Motor length	LB	[mm]	225		294		356
Length of motor options	ΔL	[mm]	107		92.0		103
Motor diameter	AC	[mm]	158		172		192
Distance motor/connection	AD	[mm]	148		155		164

L = length of the motor without built-on accessories
 ΔL = additional length of the built-on accessories (with brake)

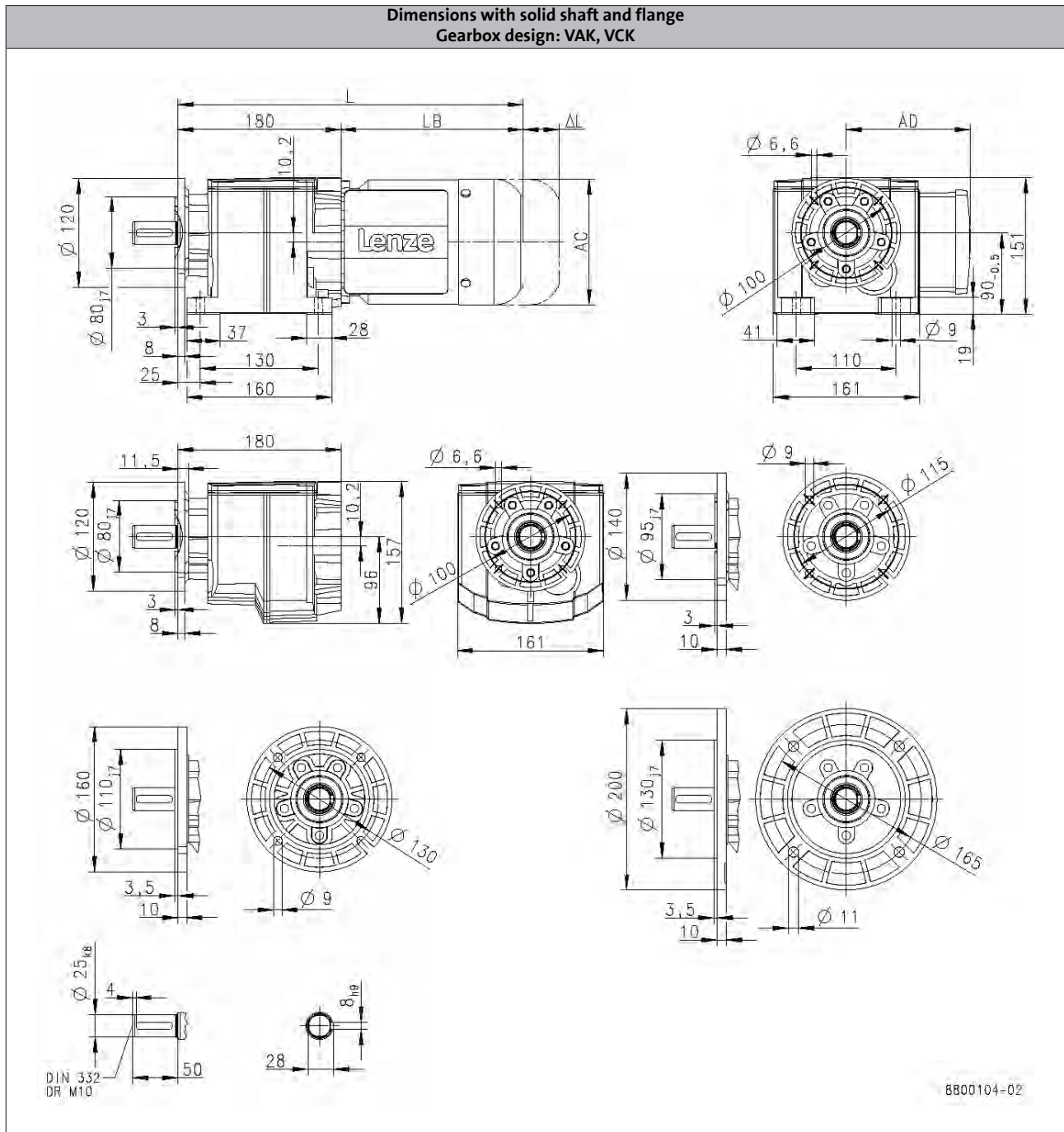
g500-H helical geared motors

Technical data



Dimensions, 4-pole motors

g500-H210



6.3

		m240				
		-P80/M4	-P90/M4	-P90/L4	-P100/M4	-P100/L4
Total length	L [mm]	405	474		536	
Motor length	LB [mm]	225	294		356	
Length of motor options	Δ L [mm]	107	92.0		103	
Motor diameter	AC [mm]	158	172		192	
Distance motor/connection	AD [mm]	148	155		164	

L = length of the motor without built-on accessories
 ΔL = additional length of the built-on accessories (with brake)

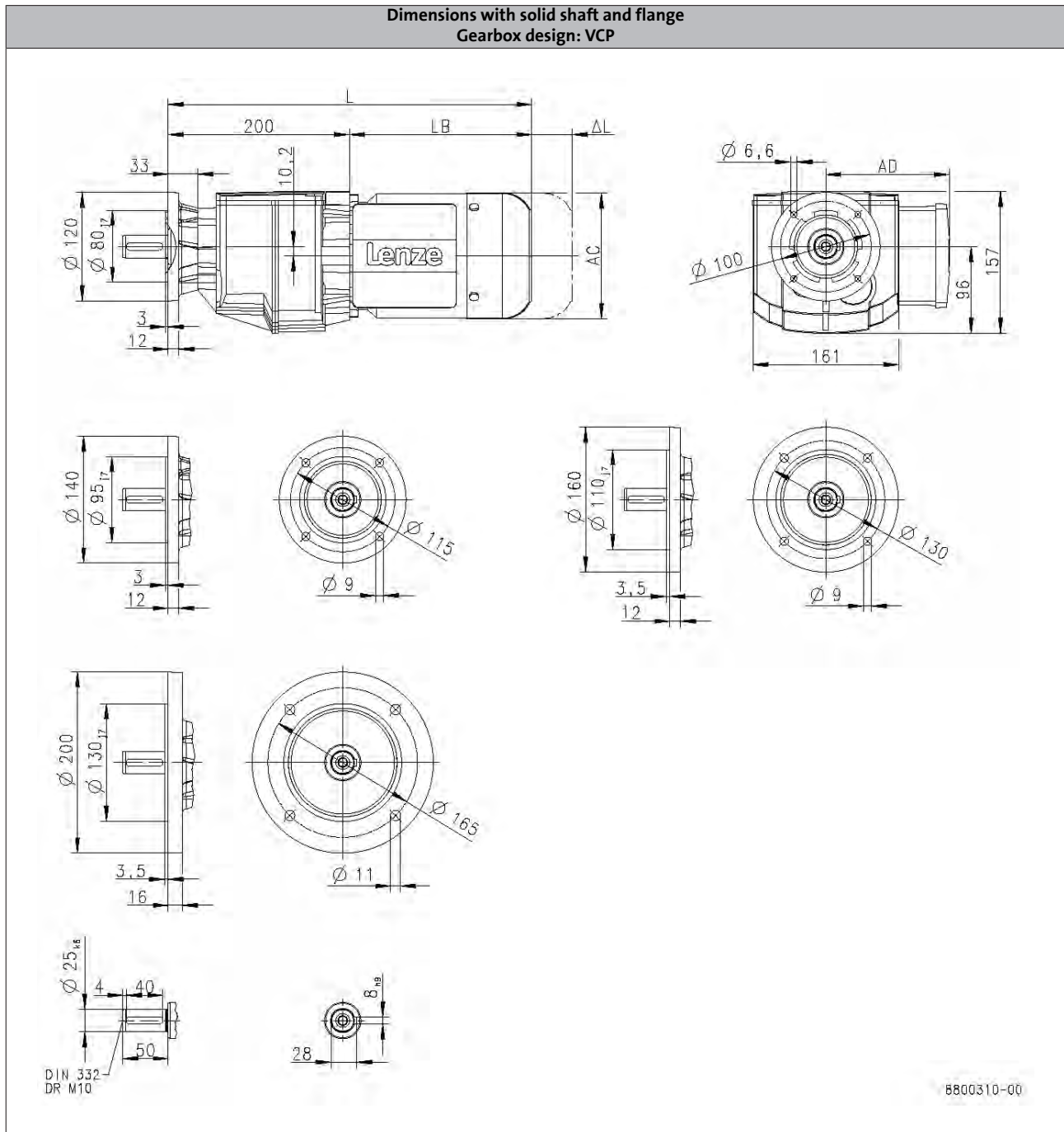
g500-H helical geared motors

Technical data



Dimensions, 4-pole motors

g500-H210



6.3

		MD□MA□□				
		063-12	063-32	063-42	071-32	071-42
Total length	L [mm]		383			403
Motor length	LB [mm]		183			203
Length of motor options	Δ L [mm]		40.0			52.0
Motor diameter	AC [mm]		123			139
Distance motor/connection	AD [mm]		107			118

L = length of the motor without built-on accessories
 ΔL = additional length of the built-on accessories (with brake)

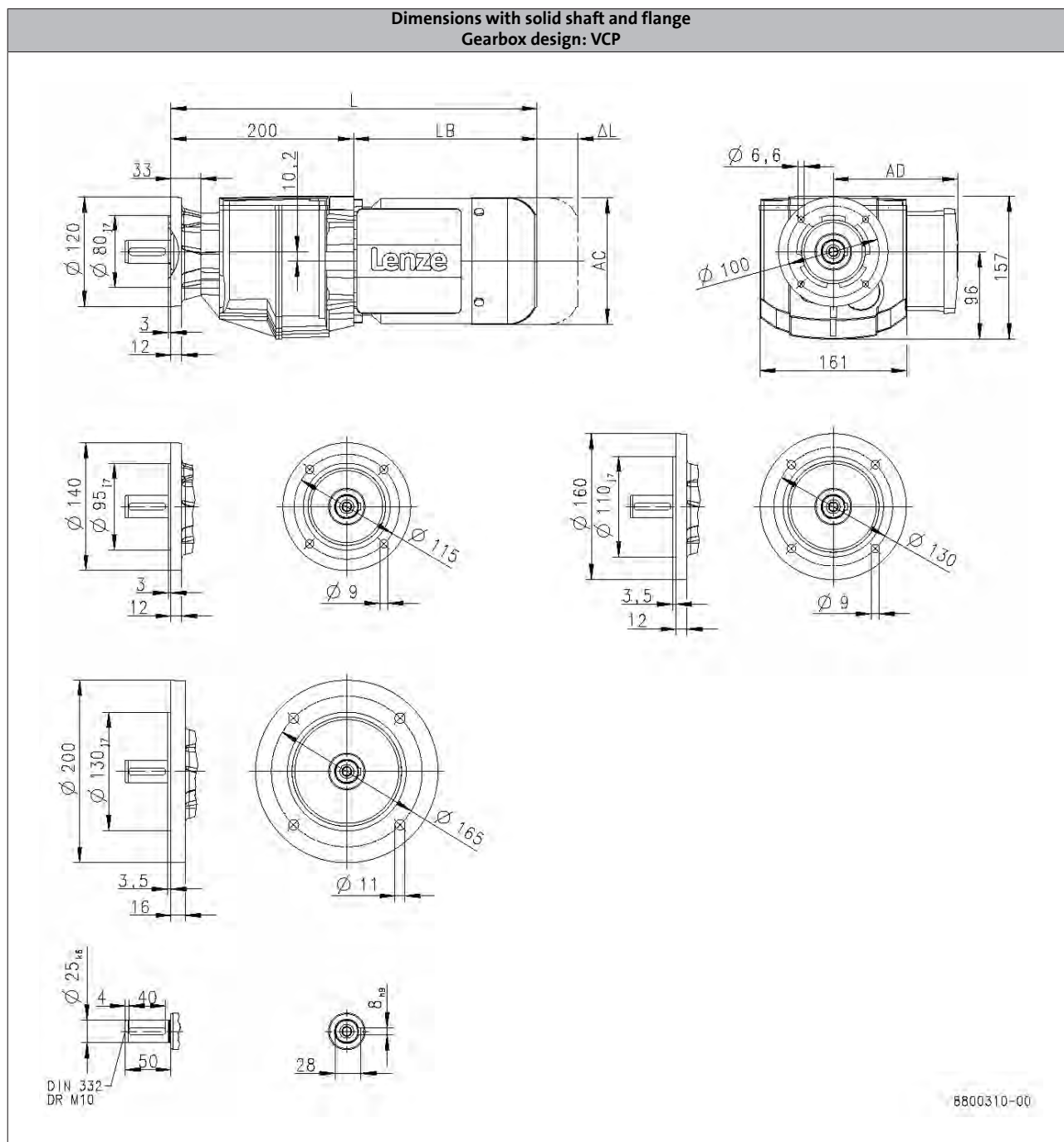
g500-H helical geared motors

Technical data



Dimensions, 4-pole motors

g500-H210



6.3

			m240				
			-P80/M4	-P90/M4	-P90/L4	-P100/M4	-P100/L4
Total length	L	[mm]	425		494		556
Motor length	LB	[mm]	225		294		356
Length of motor options	Δ L	[mm]	107		92.0		103
Motor diameter	AC	[mm]	158		172		192
Distance motor/connection	AD	[mm]	148		155		164

L = length of the motor without built-on accessories
 ΔL = additional length of the built-on accessories (with brake)

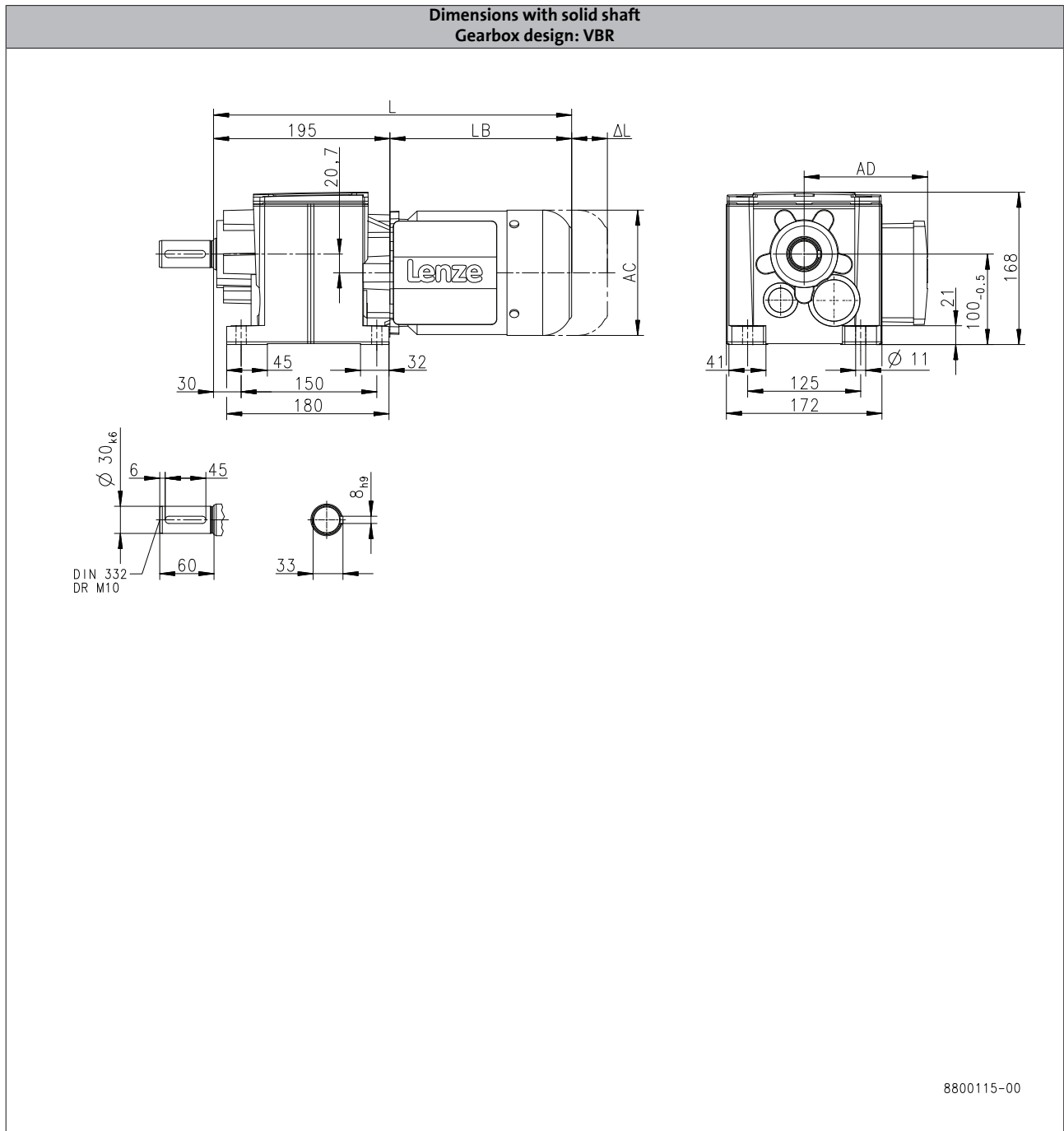
g500-H helical geared motors

Technical data



Dimensions, 4-pole motors

g500-H320



6.3

		MD□MA□□				
		063-12	063-32	063-42	071-32	071-42
Total length	L [mm]		378			398
Motor length	LB [mm]		183			203
Length of motor options	Δ L [mm]		40.0			52.0
Motor diameter	AC [mm]		123			139
Distance motor/connection	AD [mm]		107			118

L = length of the motor without built-on accessories
 ΔL = additional length of the built-on accessories (with brake)

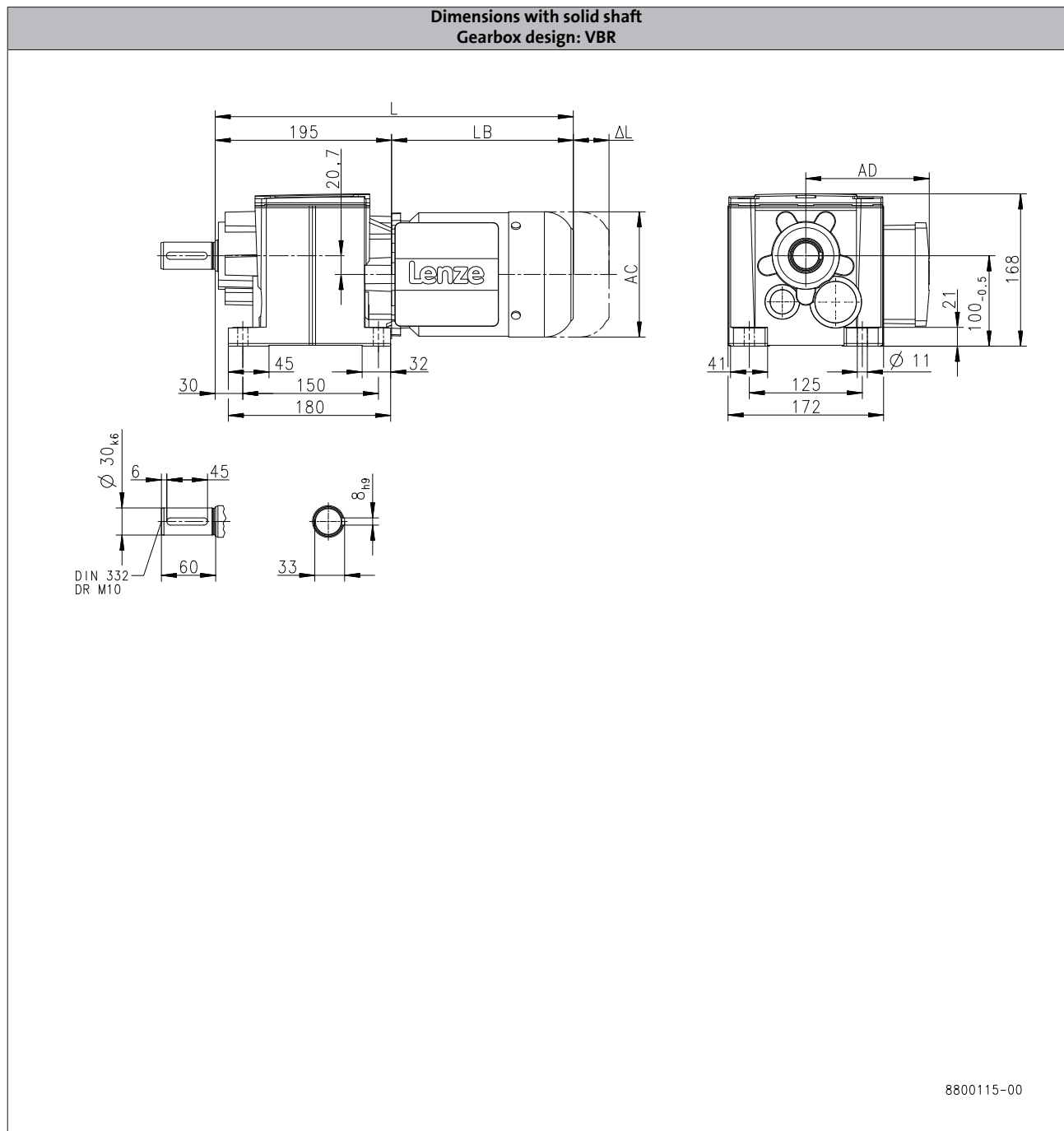
g500-H helical geared motors

Technical data



Dimensions, 4-pole motors

g500-H320



6.3

		m240						
			-P80/M4	-P90/M4	-P90/L4	-P100/M4	-P100/L4	-P112/M4
Total length	L	[mm]	420	489		551		538
Motor length	LB	[mm]	225	294		356		343
Length of motor options	Δ L	[mm]	107	92.0		103		111
Motor diameter	AC	[mm]	158	172		192		210
Distance motor/connection	AD	[mm]	148	155		164		171

L = length of the motor without built-on accessories
 ΔL = additional length of the built-on accessories (with brake)

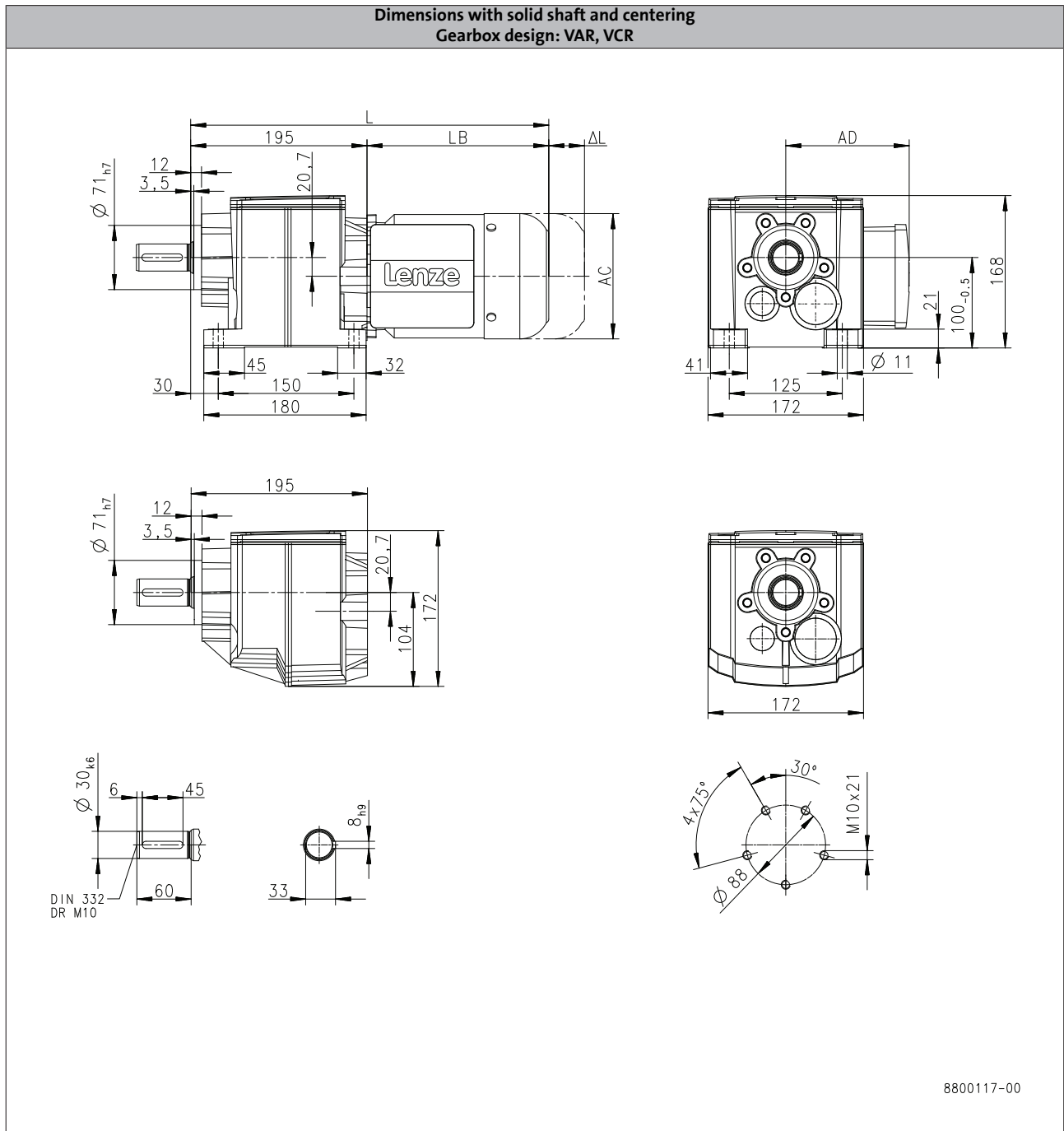
g500-H helical geared motors

Technical data



Dimensions, 4-pole motors

g500-H320



6.3

		MD□MA□□				
		063-12	063-32	063-42	071-32	071-42
Total length	L [mm]		378			398
Motor length	LB [mm]		183			203
Length of motor options	Δ L [mm]		40.0			52.0
Motor diameter	AC [mm]		123			139
Distance motor/connection	AD [mm]		107			118

L = length of the motor without built-on accessories
 ΔL = additional length of the built-on accessories (with brake)

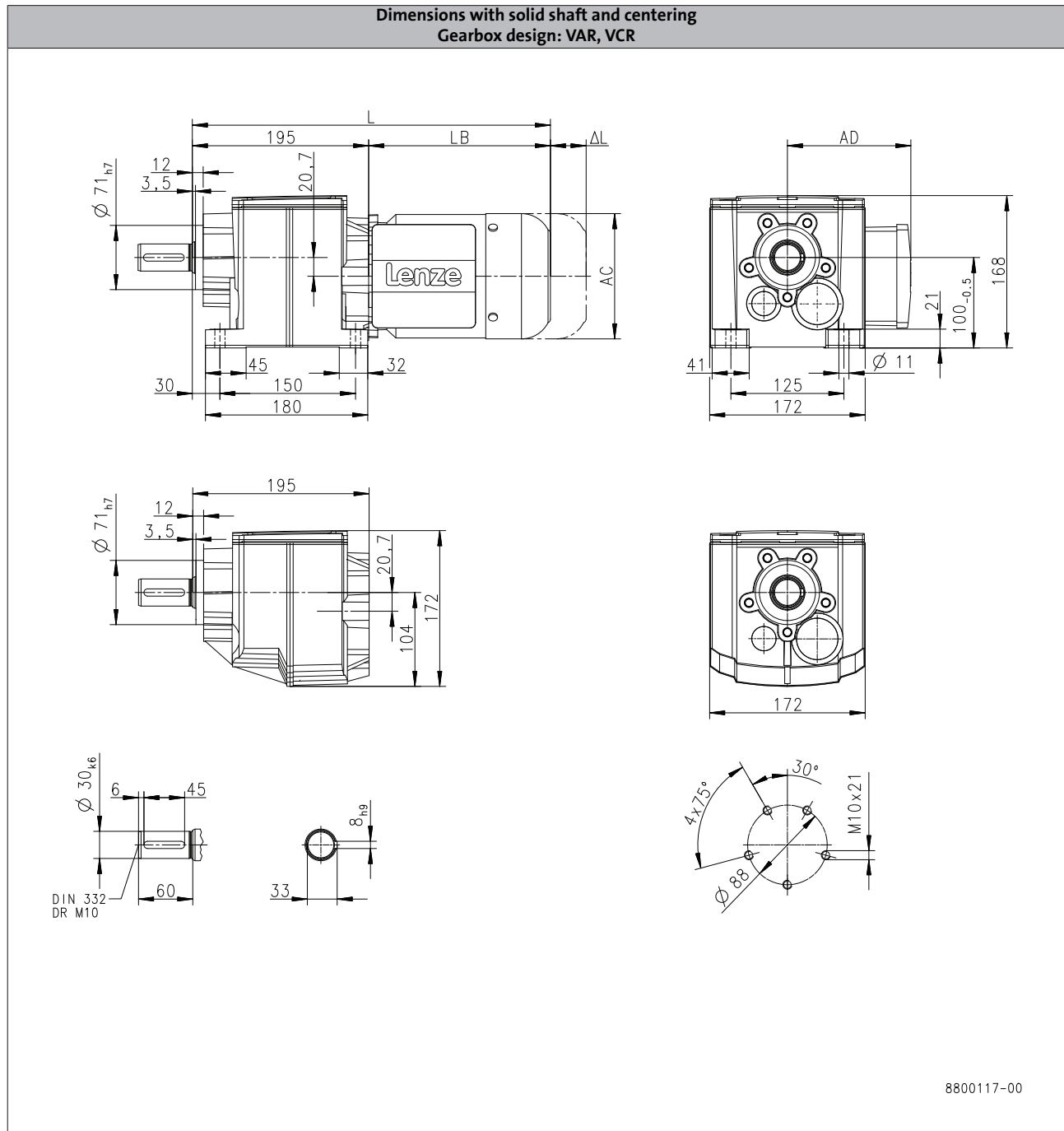
g500-H helical geared motors

Technical data



Dimensions, 4-pole motors

g500-H320



6.3

		m240						
			-P80/M4	-P90/M4	-P90/L4	-P100/M4	-P100/L4	-P112/M4
Total length	L [mm]		420	489		551		538
Motor length	LB [mm]		225	294		356		343
Length of motor options	ΔL [mm]		107	92.0		103		111
Motor diameter	AC [mm]		158	172		192		210
Distance motor/connection	AD [mm]		148	155		164		171

L = length of the motor without built-on accessories
 ΔL = additional length of the built-on accessories (with brake)

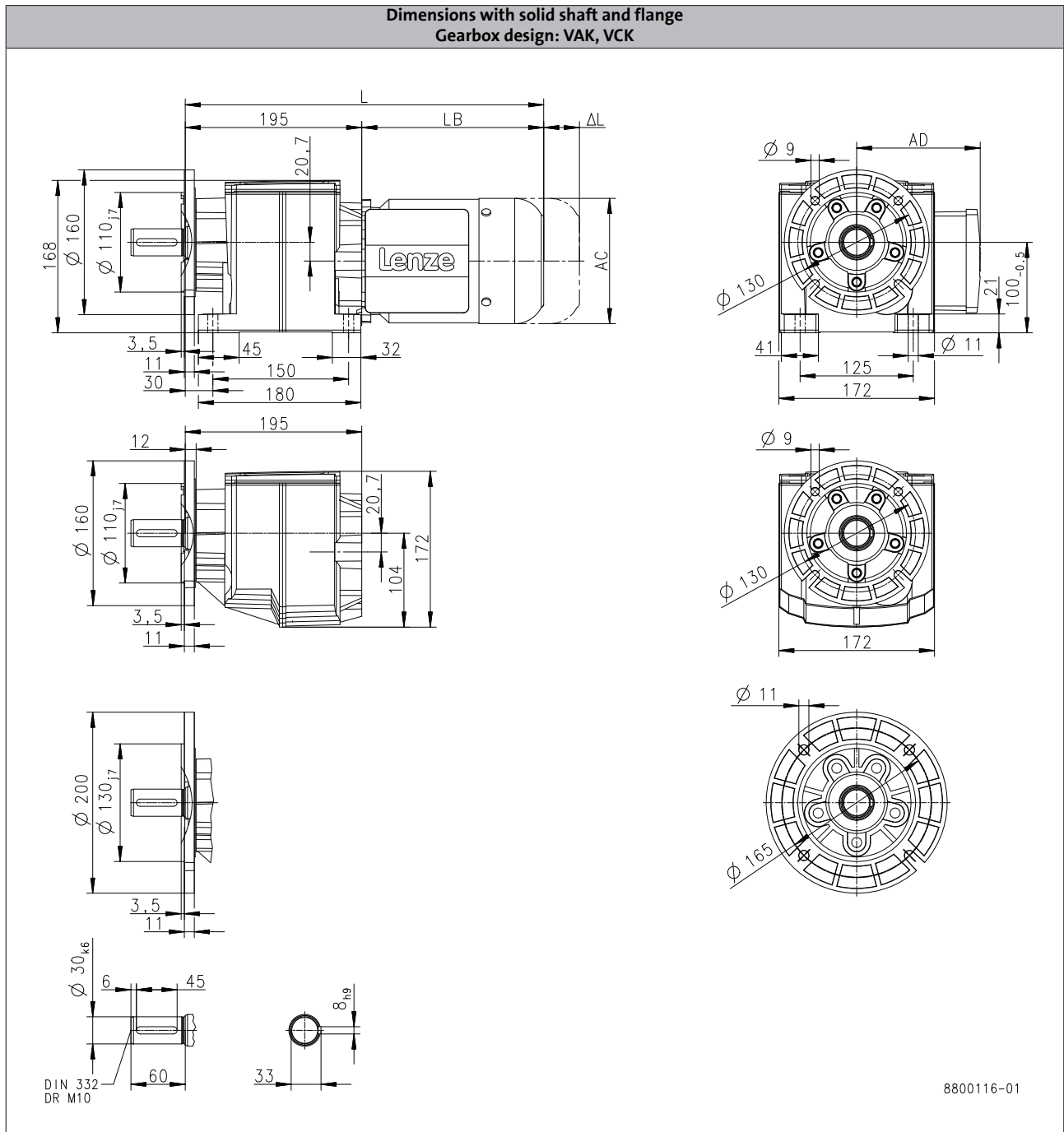
g500-H helical geared motors

Technical data



Dimensions, 4-pole motors

g500-H320



6.3

		MD□MA□□				
		063-12	063-32	063-42	071-32	071-42
Total length	L [mm]		378			398
Motor length	LB [mm]		183			203
Length of motor options	Δ L [mm]		40.0			52.0
Motor diameter	AC [mm]		123			139
Distance motor/connection	AD [mm]		107			118

L = length of the motor without built-on accessories
 ΔL = additional length of the built-on accessories (with brake)

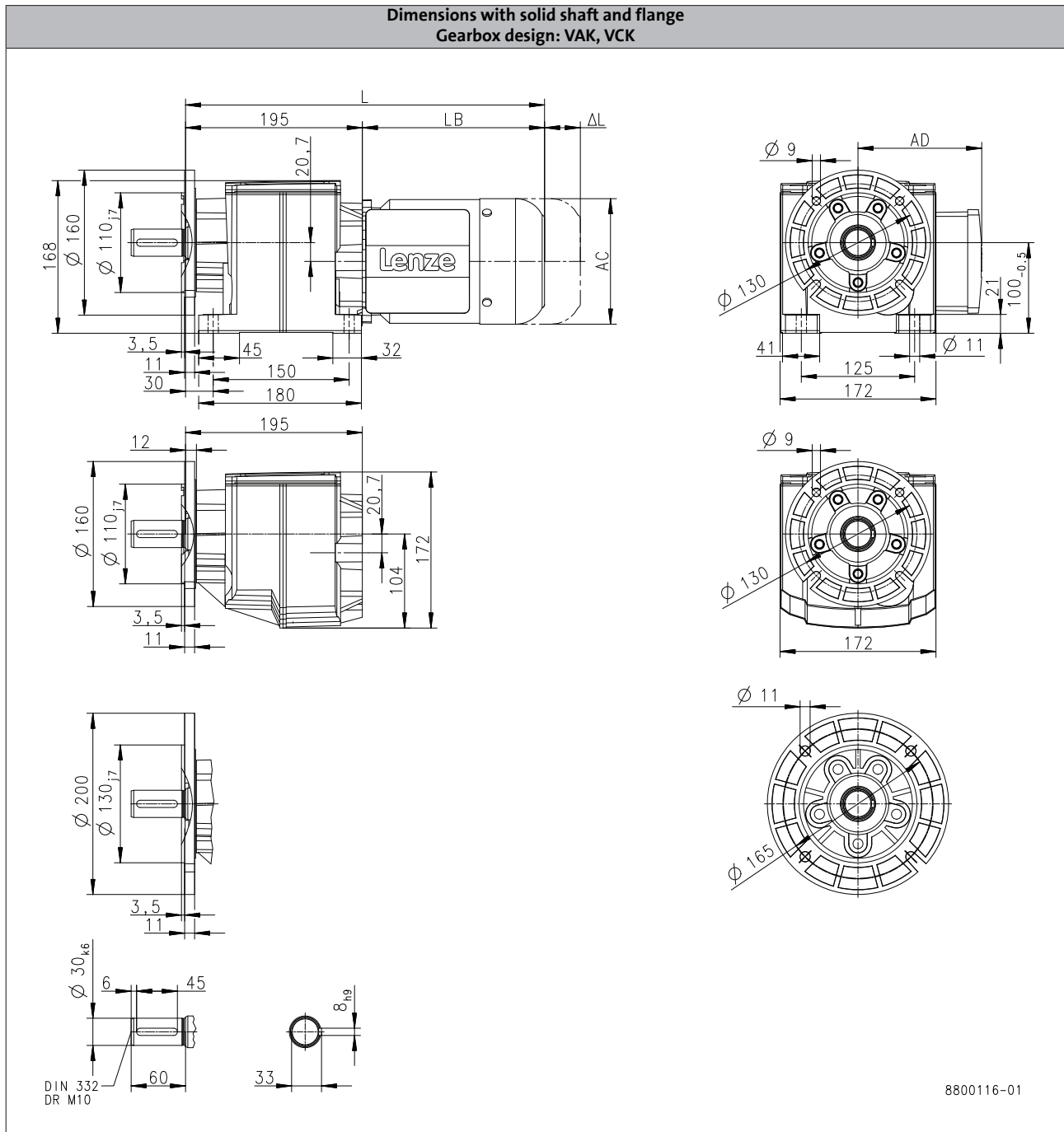
g500-H helical geared motors

Technical data



Dimensions, 4-pole motors

g500-H320



			m240					
			-P80/M4	-P90/M4	-P90/L4	-P100/M4	-P100/L4	-P112/M4
Total length	L	[mm]	420	489		551		538
Motor length	LB	[mm]	225	294		356		343
Length of motor options	Δ L	[mm]	107	92.0		103		111
Motor diameter	AC	[mm]	158	172		192		210
Distance motor/connection	AD	[mm]	148	155		164		171

L = length of the motor without built-on accessories
 ΔL = additional length of the built-on accessories (with brake)

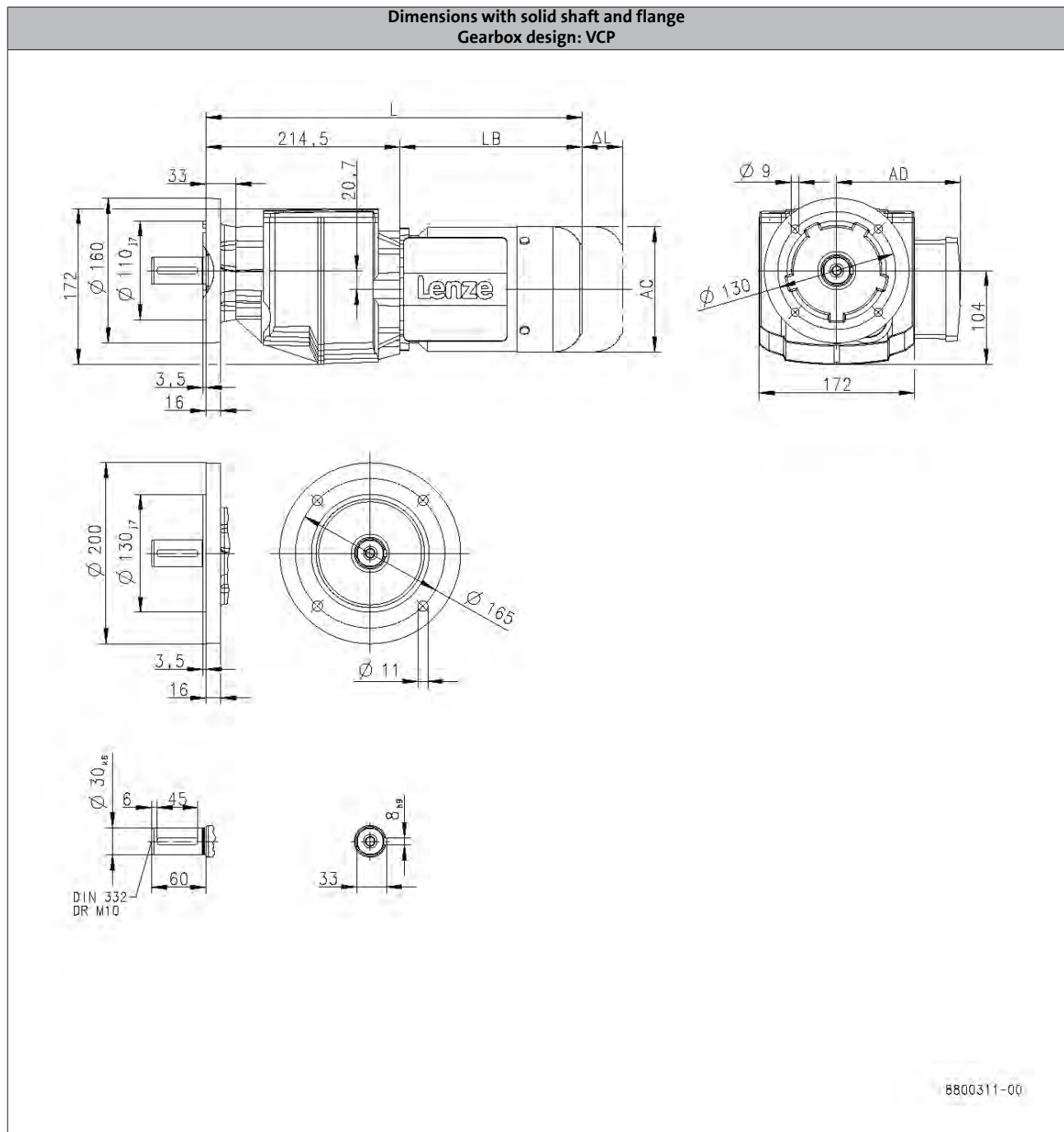
g500-H helical geared motors

Technical data



Dimensions, 4-pole motors

g500-H320



6.3

		MD□MA□□				
		063-12	063-32	063-42	071-32	071-42
Total length	L [mm]		398			418
Motor length	LB [mm]		183			203
Length of motor options	Δ L [mm]		40.0			52.0
Motor diameter	AC [mm]		123			139
Distance motor/connection	AD [mm]		107			118

L = length of the motor without built-on accessories
 ΔL = additional length of the built-on accessories (with brake)

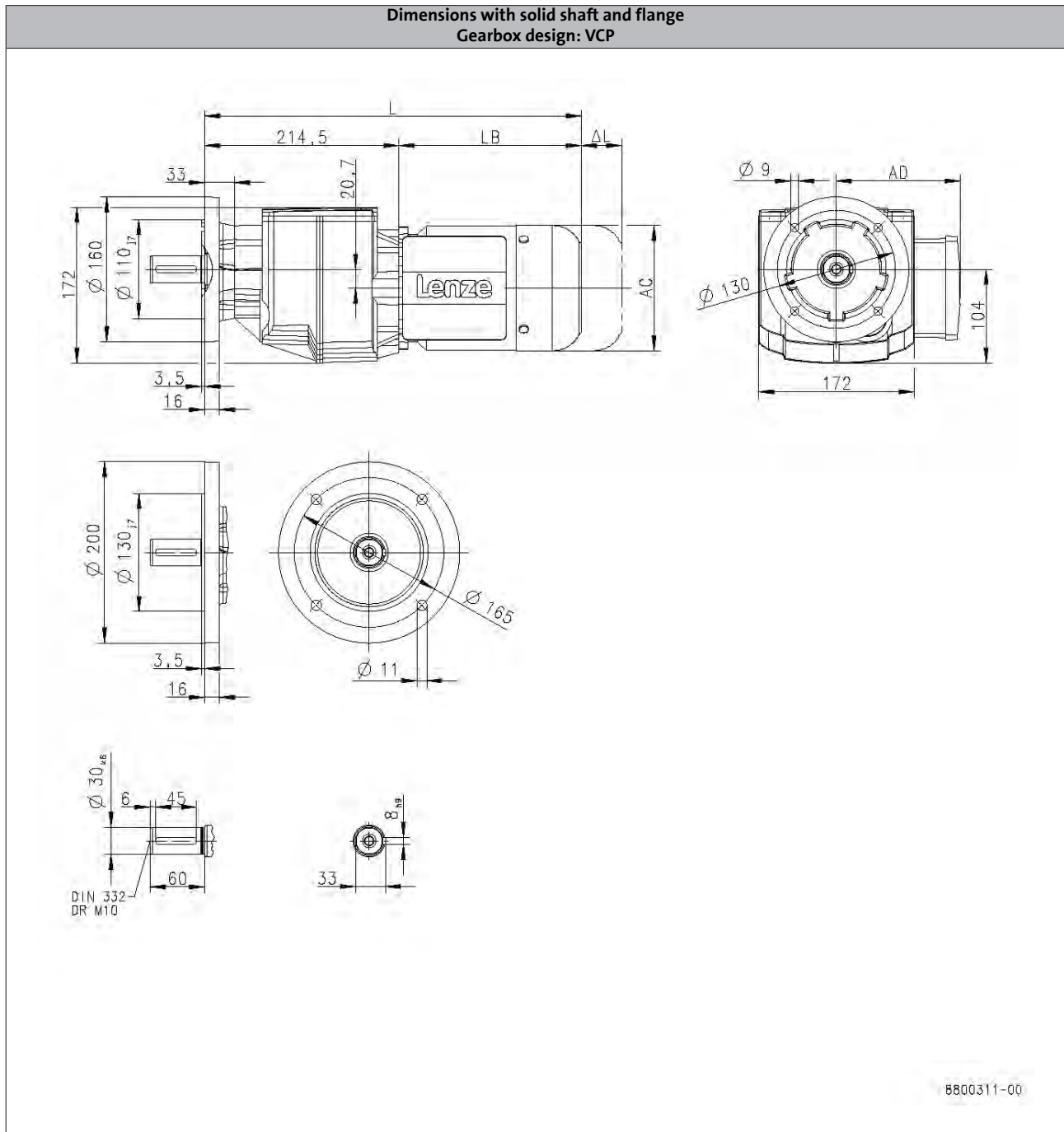
g500-H helical geared motors

Technical data



Dimensions, 4-pole motors

g500-H320



6.3

		m240						
			-P80/M4	-P90/M4	-P90/L4	-P100/M4	-P100/L4	-P112/M4
Total length	L [mm]		440	509		571		558
Motor length	LB [mm]		225	294		356		343
Length of motor options	Δ L [mm]		107	92.0		103		111
Motor diameter	AC [mm]		158	172		192		210
Distance motor/connection	AD [mm]		148	155		164		171

L = length of the motor without built-on accessories
 ΔL = additional length of the built-on accessories (with brake)

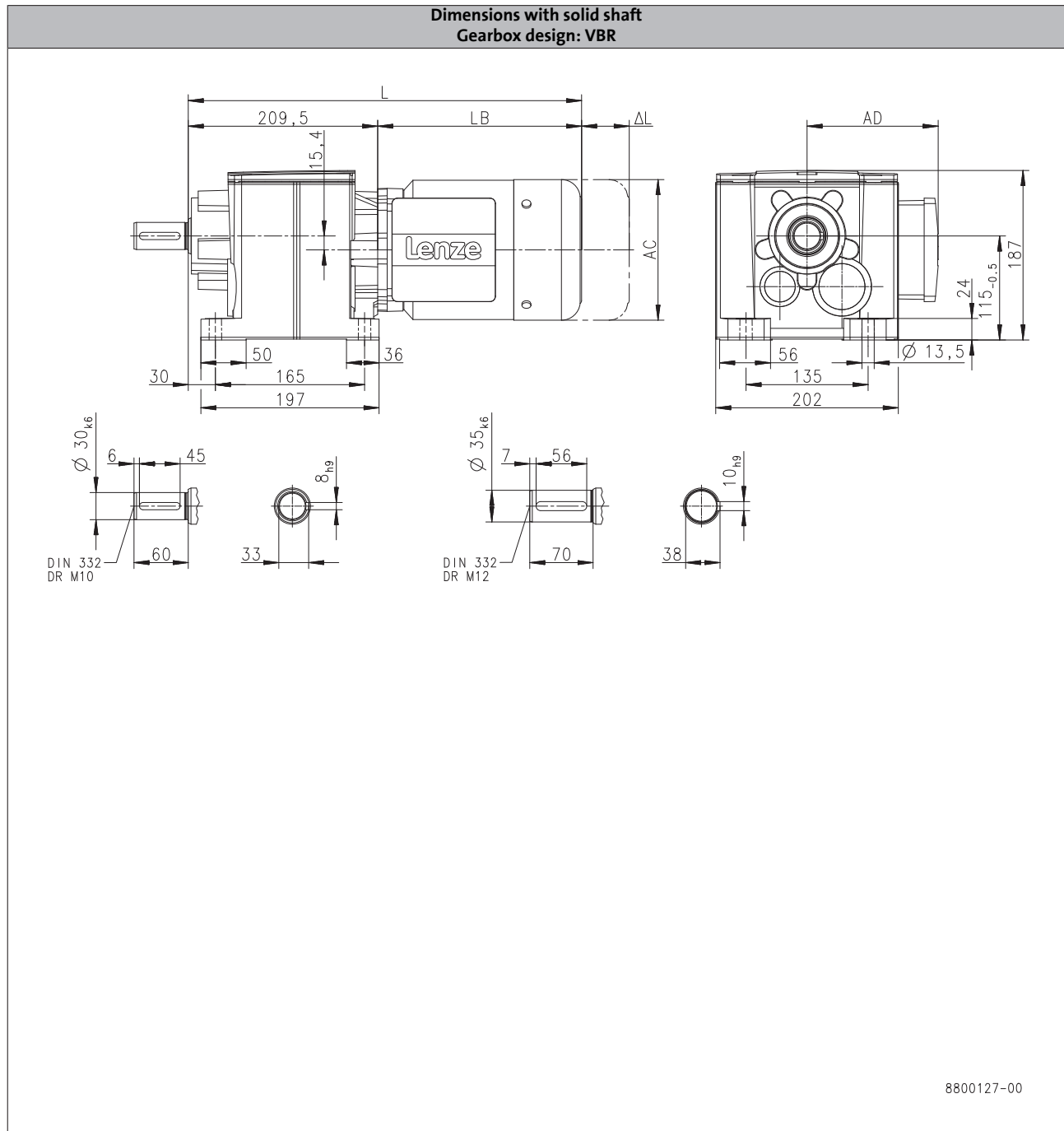
g500-H helical geared motors

Technical data



Dimensions, 4-pole motors

g500-H450



6.3

		MD□MA□□				
		063-12	063-32	063-42	071-32	071-42
Total length	L [mm]		393			413
Motor length	LB [mm]		183			203
Length of motor options	Δ L [mm]		40.0			52.0
Motor diameter	AC [mm]		123			139
Distance motor/connection	AD [mm]		107			118

L = length of the motor without built-on accessories
 ΔL = additional length of the built-on accessories (with brake)

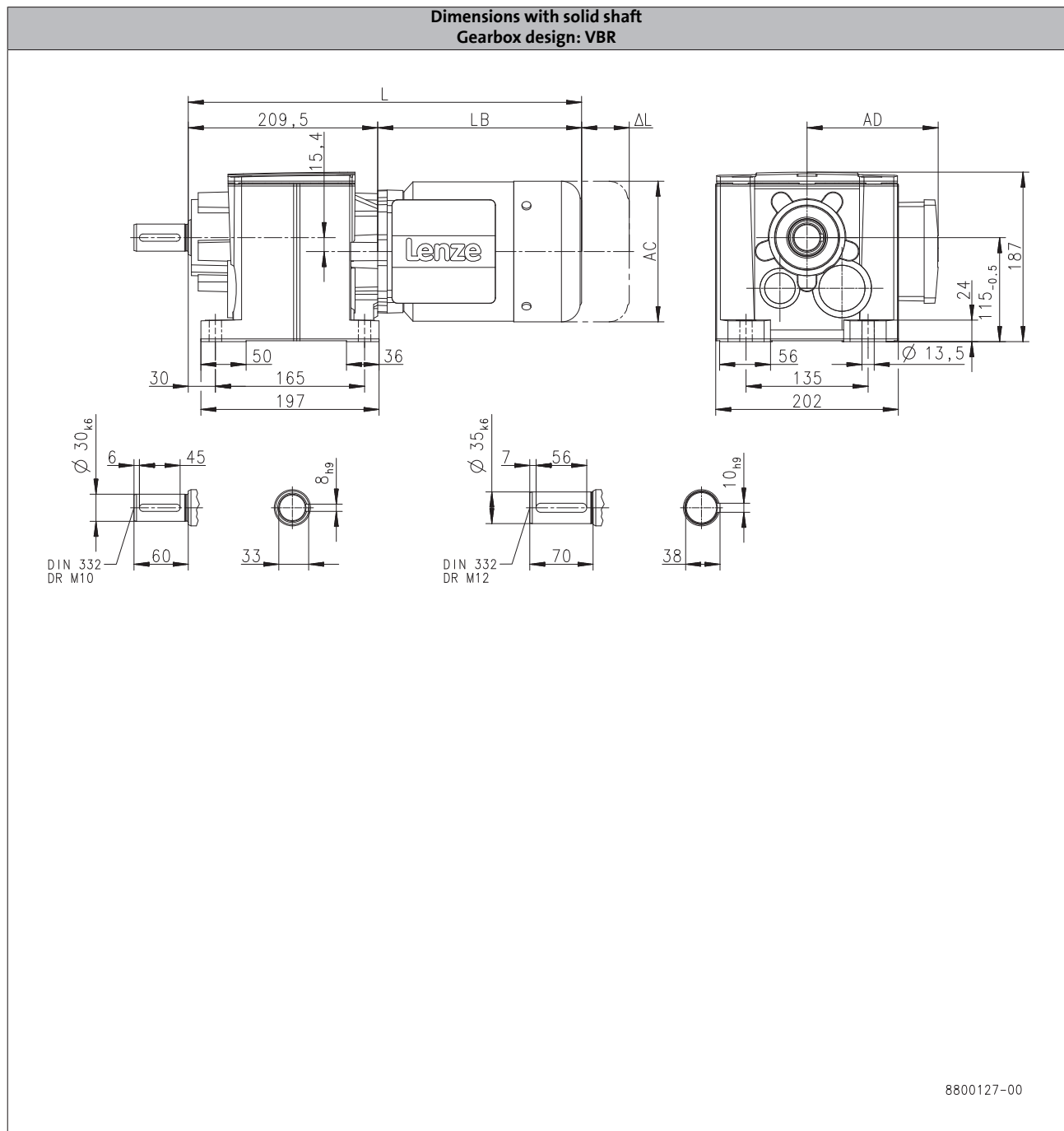
g500-H helical geared motors

Technical data



Dimensions, 4-pole motors

g500-H450



6.3

			m240							
			-P80/M4	-P90/M4	-P90/L4	-P100/M4	-P100/L4	-P112/M4	-P132/M4	-P132/L4
Total length	L	[mm]	435	504		566		553	628	
Motor length	LB	[mm]	225	294		356		343	418	
Length of motor options	Δ L	[mm]	107	92.0		103		111	118	
Motor diameter	AC	[mm]	158	172		192		210	281	
Distance motor/connection	AD	[mm]	148	155		164		171	182	

L = length of the motor without built-on accessories
 ΔL = additional length of the built-on accessories (with brake)

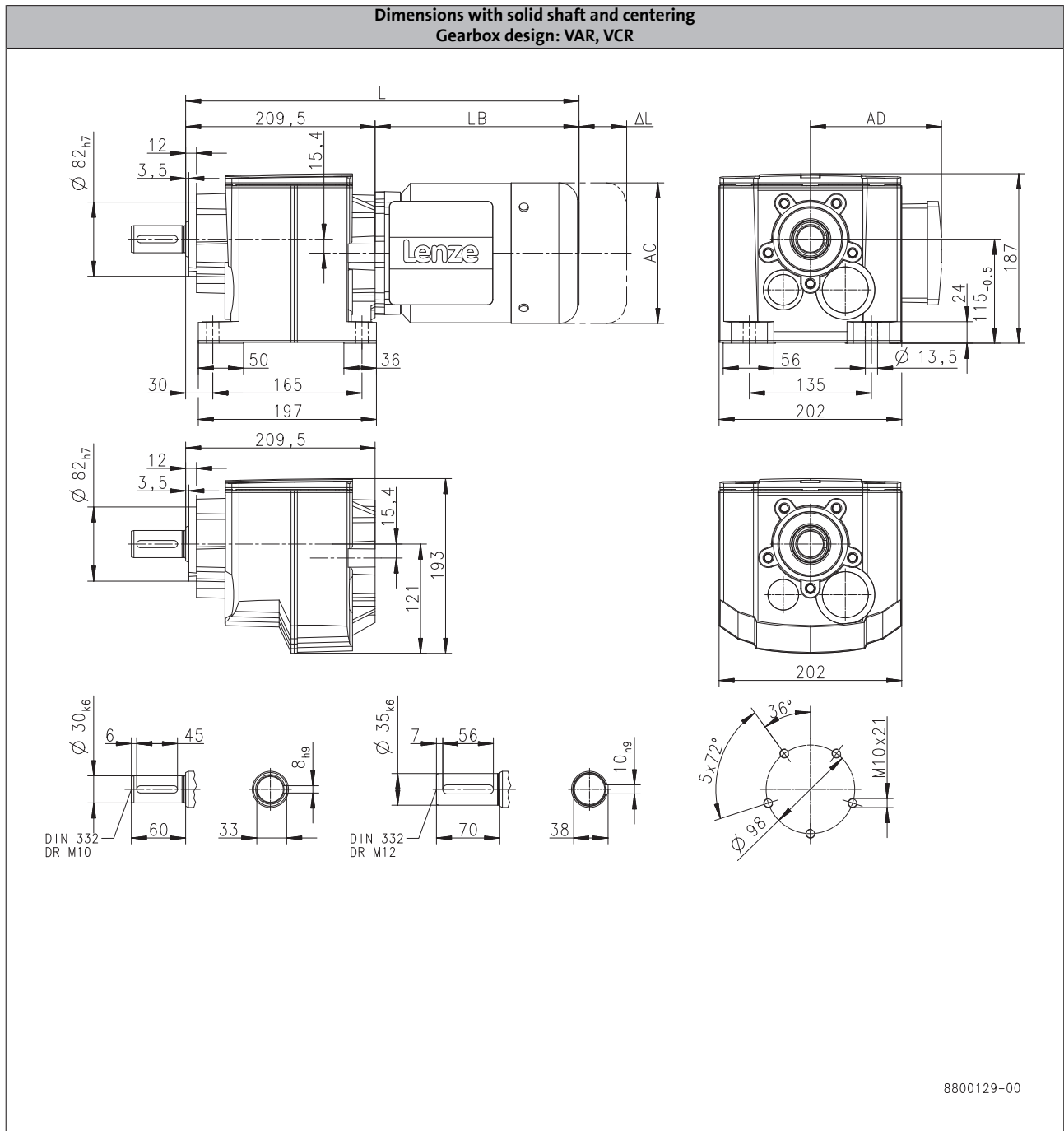
g500-H helical geared motors

Technical data



Dimensions, 4-pole motors

g500-H450



6.3

		MD□MA□□				
		063-12	063-32	063-42	071-32	071-42
Total length	L [mm]		393			413
Motor length	LB [mm]		183			203
Length of motor options	Δ L [mm]		40.0			52.0
Motor diameter	AC [mm]		123			139
Distance motor/connection	AD [mm]		107			118

L = length of the motor without built-on accessories
 ΔL = additional length of the built-on accessories (with brake)

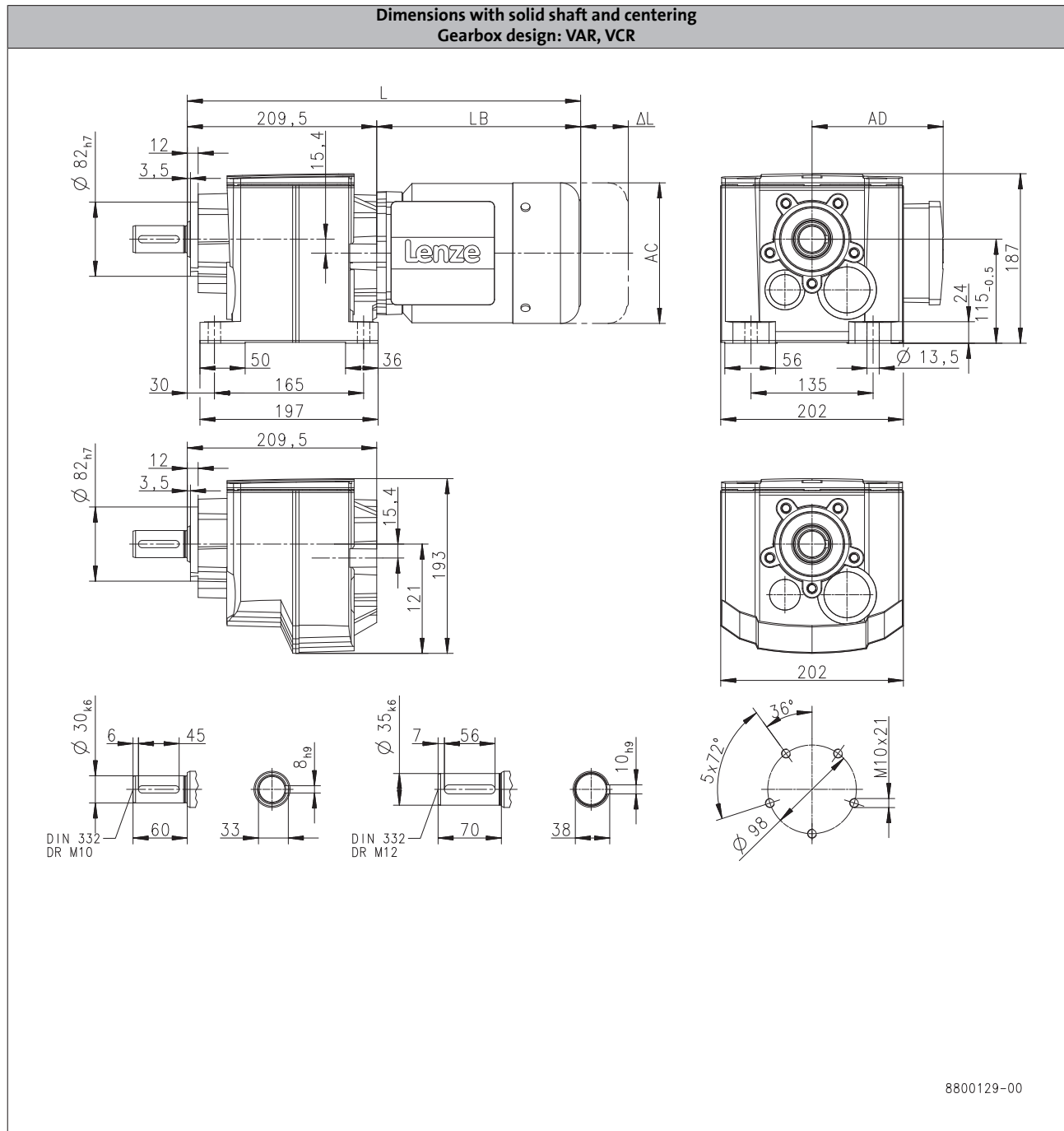
g500-H helical geared motors

Technical data



Dimensions, 4-pole motors

g500-H450



6.3

			m240							
			-P80/M4	-P90/M4	-P90/L4	-P100/M4	-P100/L4	-P112/M4	-P132/M4	-P132/L4
Total length	L	[mm]	435	504		566		553		628
Motor length	LB	[mm]	225	294		356		343		418
Length of motor options	Δ L	[mm]	107	92.0		103		111		118
Motor diameter	AC	[mm]	158	172		192		210		281
Distance motor/connection	AD	[mm]	148	155		164		171		182

L = length of the motor without built-on accessories
 ΔL = additional length of the built-on accessories (with brake)

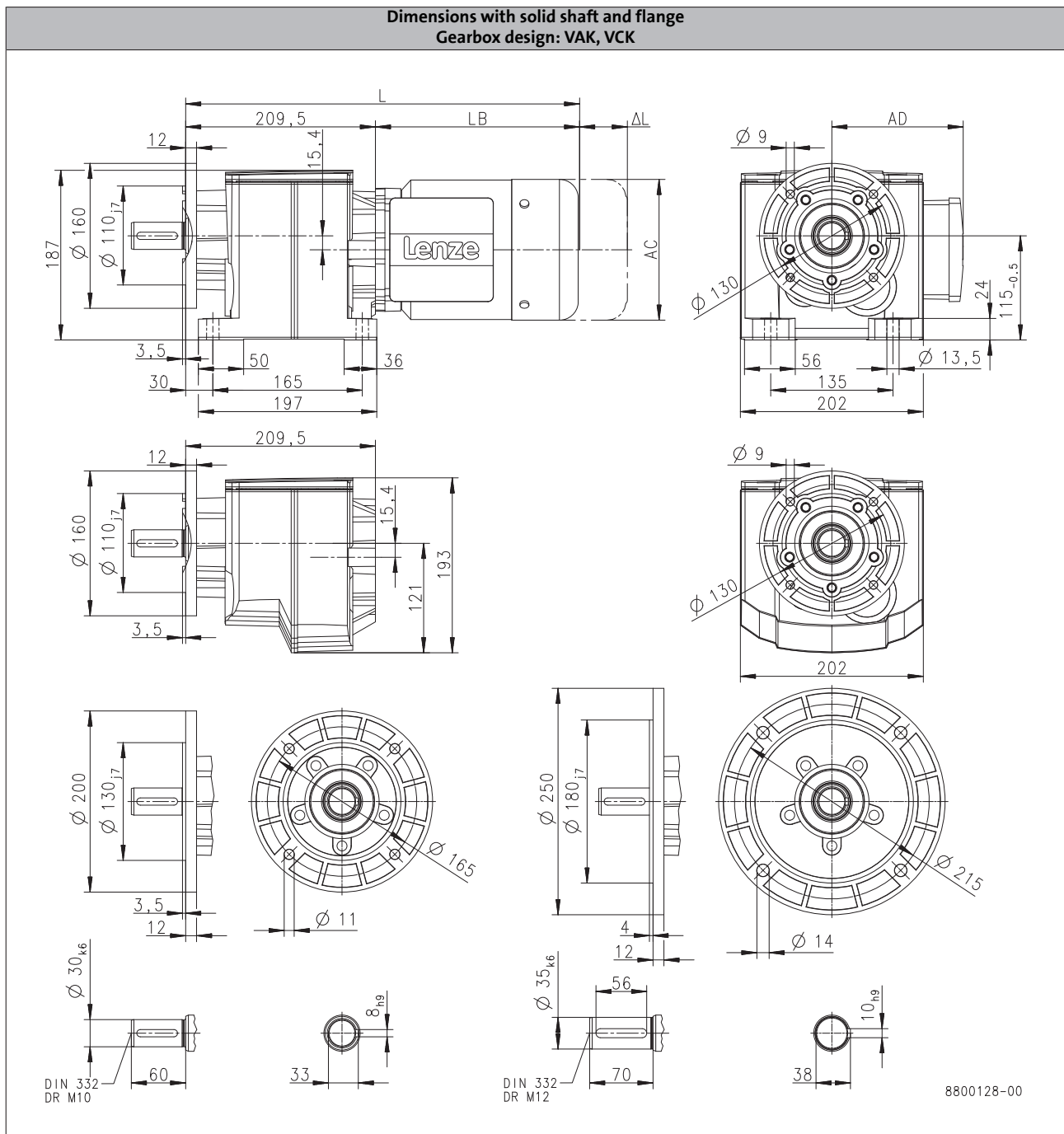
g500-H helical geared motors

Technical data



Dimensions, 4-pole motors

g500-H450



6.3

		MD□MA□□				
		063-12	063-32	063-42	071-32	071-42
Total length	L [mm]		393			413
Motor length	LB [mm]		183			203
Length of motor options	Δ L [mm]		40.0			52.0
Motor diameter	AC [mm]		123			139
Distance motor/connection	AD [mm]		107			118

L = length of the motor without built-on accessories
 ΔL = additional length of the built-on accessories (with brake)

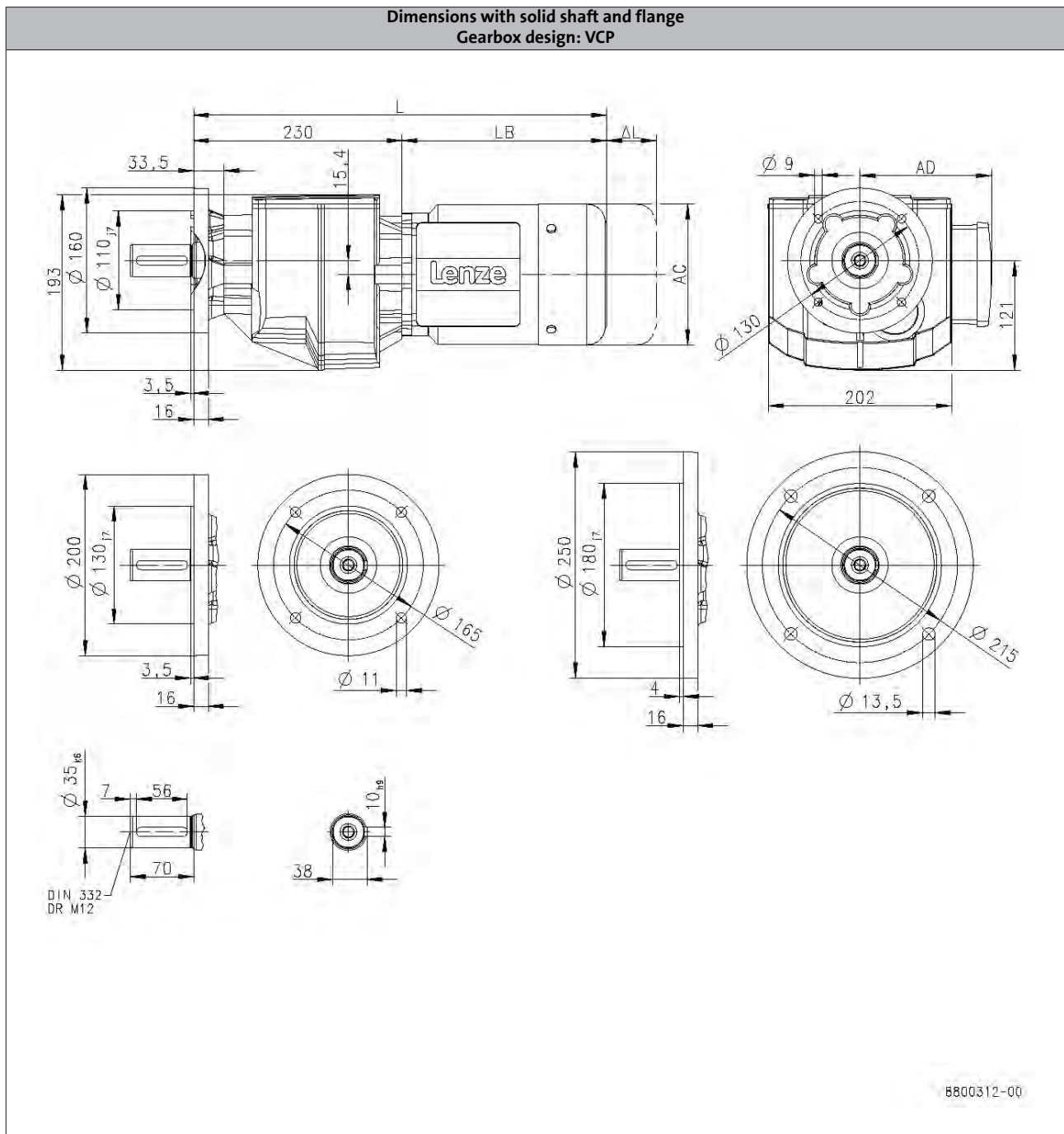
g500-H helical geared motors

Technical data



Dimensions, 4-pole motors

g500-H450



6.3

		MD□MA□□				
		063-12	063-32	063-42	071-32	071-42
Total length	L [mm]		413			433
Motor length	LB [mm]		183			203
Length of motor options	Δ L [mm]		40.0			52.0
Motor diameter	AC [mm]		123			139
Distance motor/connection	AD [mm]		107			118

L = length of the motor without built-on accessories
 ΔL = additional length of the built-on accessories (with brake)

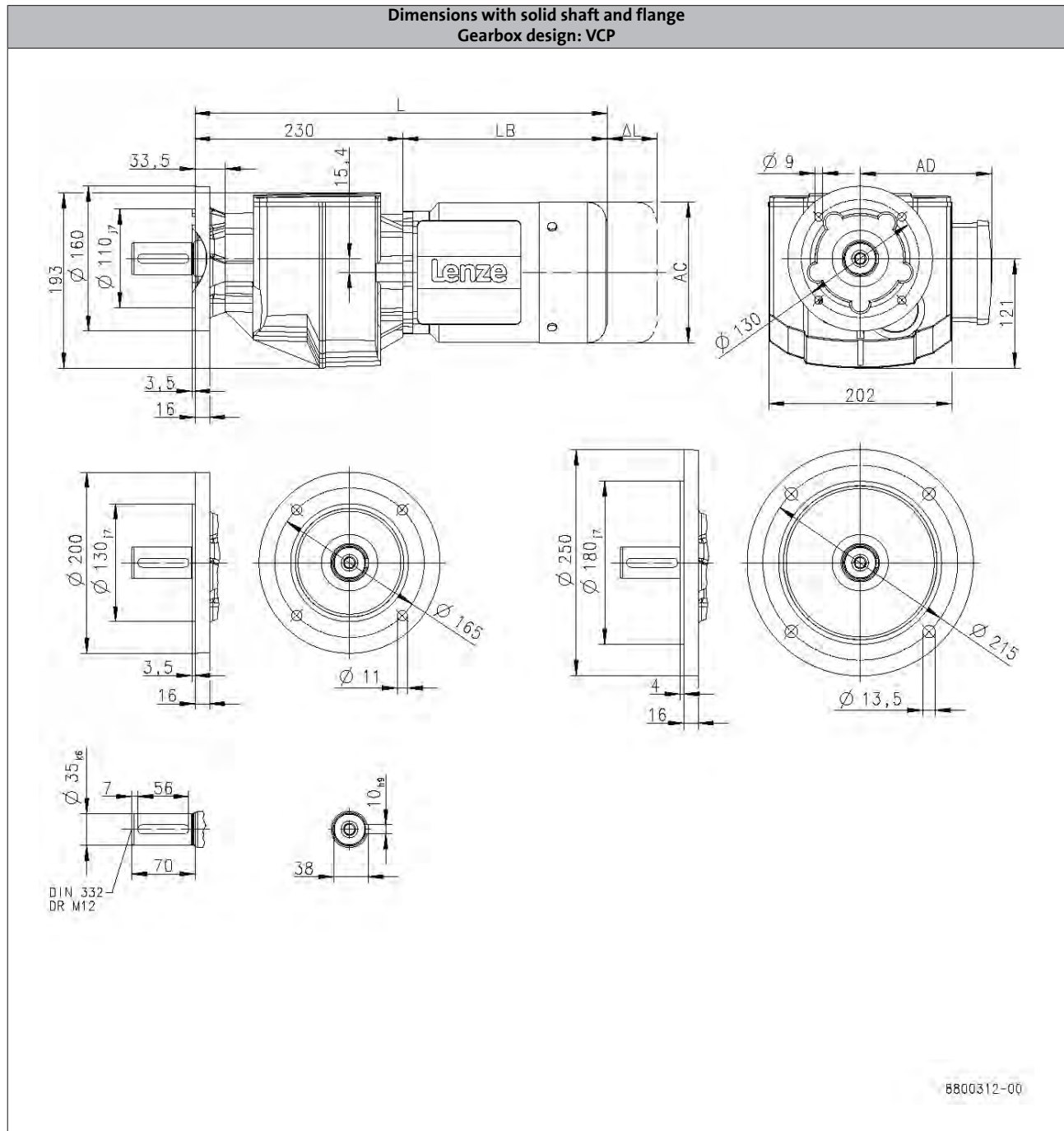
g500-H helical geared motors

Technical data



Dimensions, 4-pole motors

g500-H450



		m240							
		-P80/M4	-P90/M4	-P90/L4	-P100/M4	-P100/L4	-P112/M4	-P132/M4	-P132/L4
Total length	L [mm]	455	524		586		573		648
Motor length	LB [mm]	225	294		356		343		418
Length of motor options	Δ L [mm]	107	92.0		103		111		118
Motor diameter	AC [mm]	158	172		192		210		281
Distance motor/connection	AD [mm]	148	155		164		171		182

L = length of the motor without built-on accessories
 ΔL = additional length of the built-on accessories (with brake)

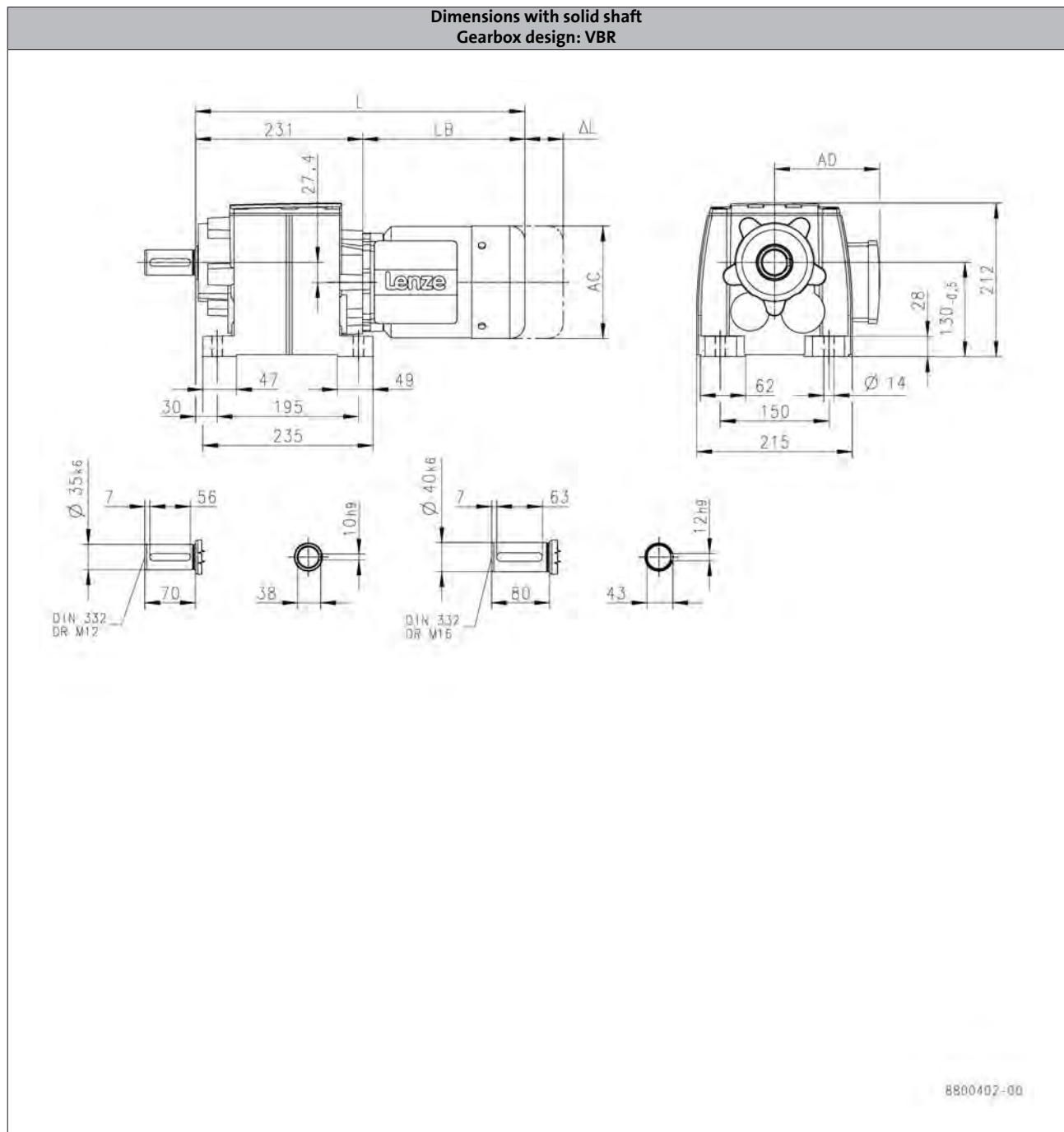
g500-H helical geared motors

Technical data



Dimensions, 4-pole motors

g500-H600



6.3

		MD□MA□□				
		063-12	063-32	063-42	071-32	071-42
Total length	L [mm]		414			434
Motor length	LB [mm]		183			203
Length of motor options	Δ L [mm]		40.0			52.0
Motor diameter	AC [mm]		123			139
Distance motor/connection	AD [mm]		107			118

L = length of the motor without built-on accessories
 ΔL = additional length of the built-on accessories (with brake)

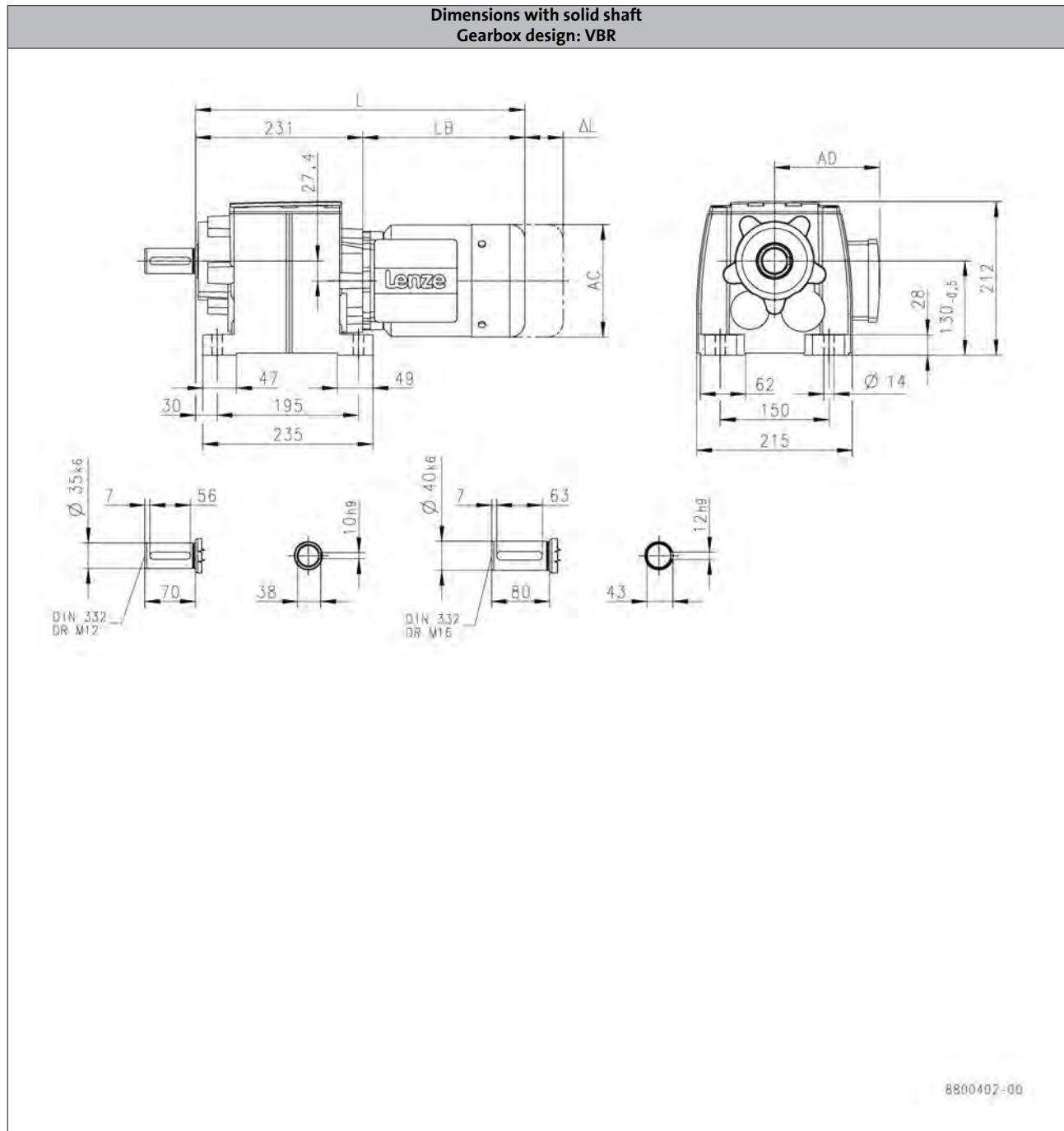
g500-H helical geared motors

Technical data



Dimensions, 4-pole motors

g500-H600



6.3

		m240							
		-P80/M4	-P90/M4	-P90/L4	-P100/M4	-P100/L4	-P112/M4	-P132/M4	-P132/L4
Total length	L [mm]	456	525		587		574		649
Motor length	LB [mm]	225	294		356		343		418
Length of motor options	Δ L [mm]	107	92.0		103		111		118
Motor diameter	AC [mm]	158	172		192		210		281
Distance motor/connection	AD [mm]	148	155		164		171		182

L = length of the motor without built-on accessories
 ΔL = additional length of the built-on accessories (with brake)

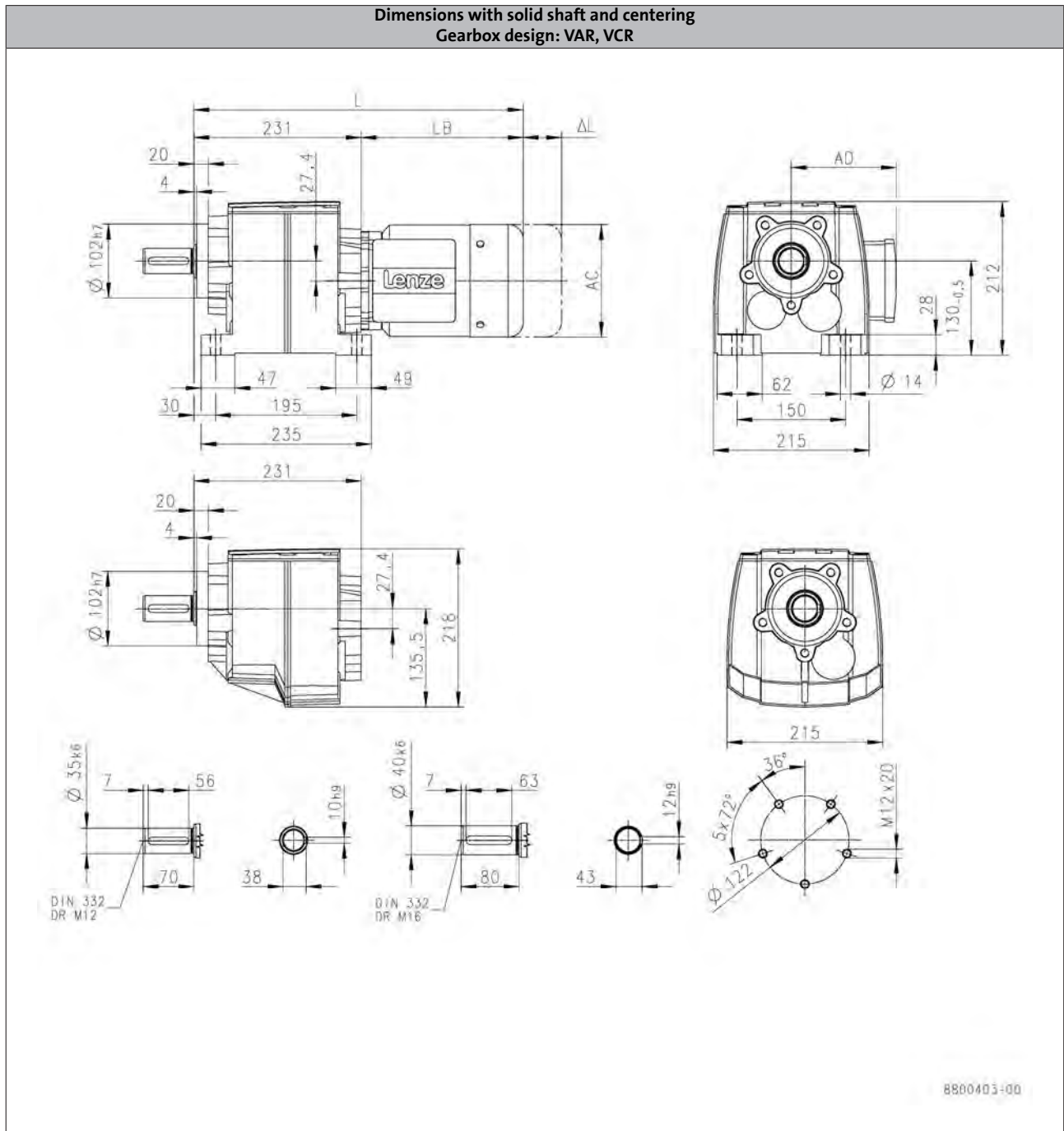
g500-H helical geared motors

Technical data



Dimensions, 4-pole motors

g500-H600



6.3

		MD□MA□□				
		063-12	063-32	063-42	071-32	071-42
Total length	L [mm]		414			434
Motor length	LB [mm]		183			203
Length of motor options	Δ L [mm]		40.0			52.0
Motor diameter	AC [mm]		123			139
Distance motor/connection	AD [mm]		107			118

L = length of the motor without built-on accessories
 ΔL = additional length of the built-on accessories (with brake)

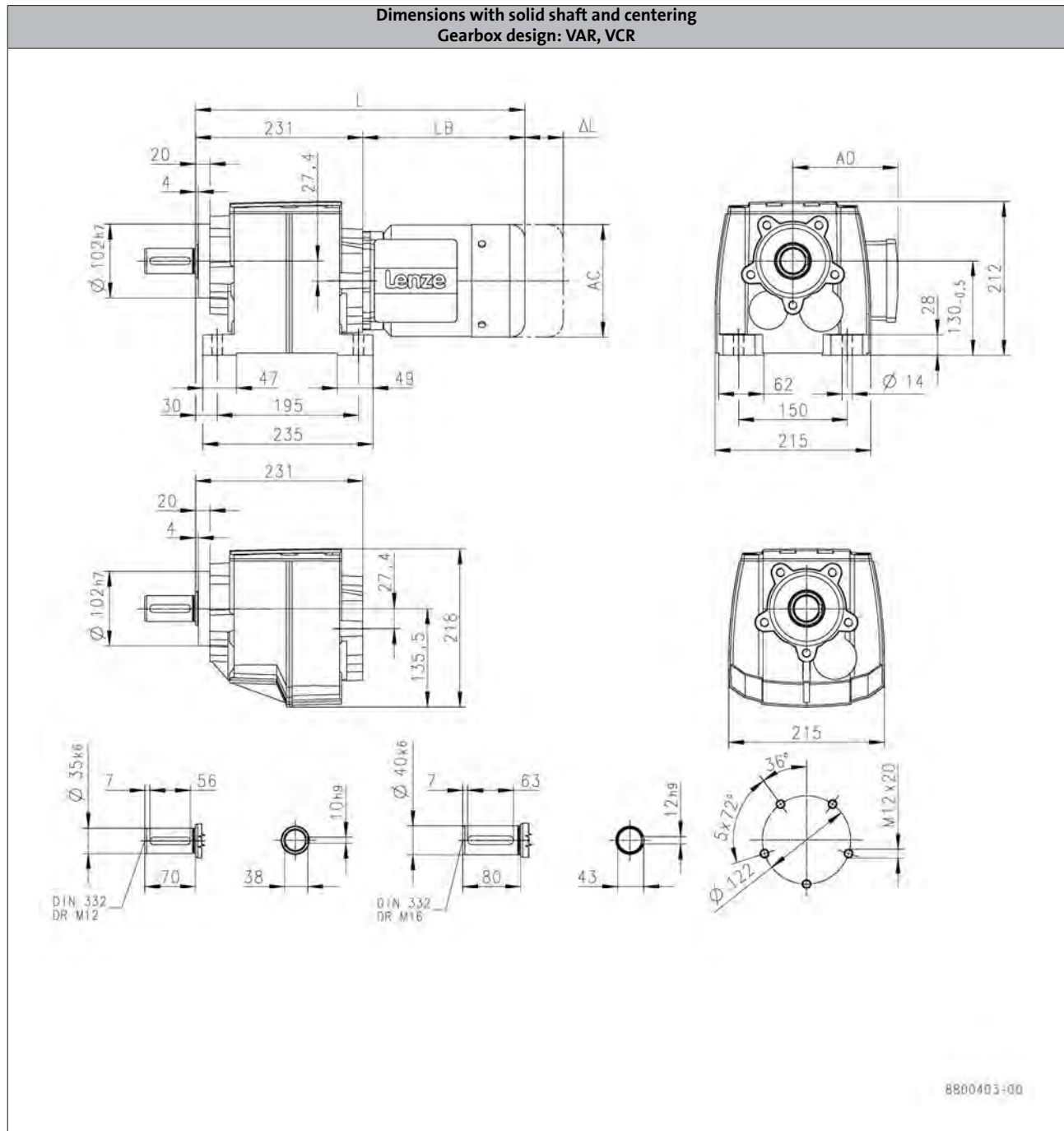
g500-H helical geared motors

Technical data



Dimensions, 4-pole motors

g500-H600



6.3

		m240							
		-P80/M4	-P90/M4	-P90/L4	-P100/M4	-P100/L4	-P112/M4	-P132/M4	-P132/L4
Total length	L [mm]	456	525		587		574		649
Motor length	LB [mm]	225	294		356		343		418
Length of motor options	Δ L [mm]	107	92.0		103		111		118
Motor diameter	AC [mm]	158	172		192		210		281
Distance motor/connection	AD [mm]	148	155		164		171		182

L = length of the motor without built-on accessories
 ΔL = additional length of the built-on accessories (with brake)

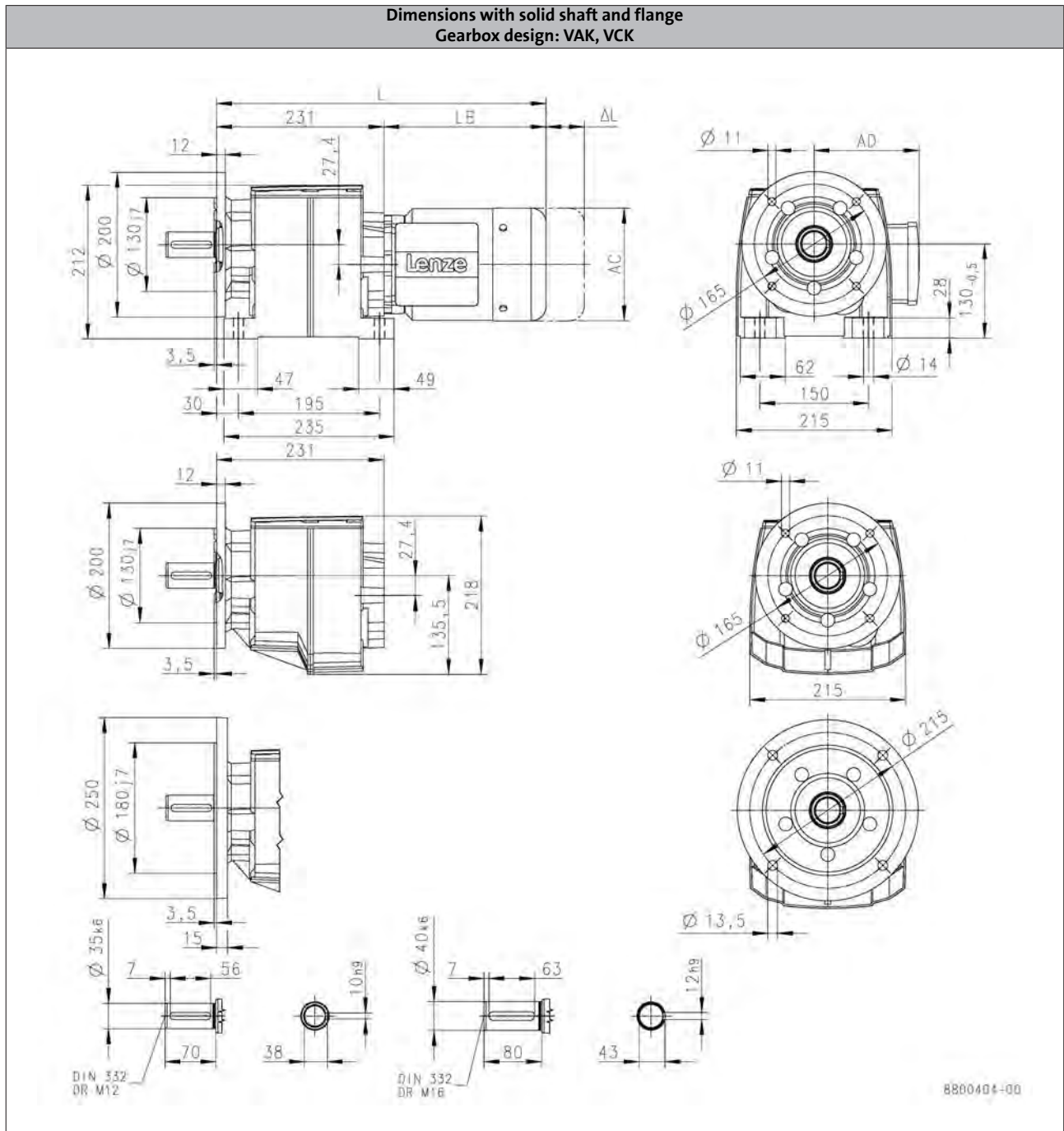
g500-H helical geared motors

Technical data



Dimensions, 4-pole motors

g500-H600



		MD□MA□□				
		063-12	063-32	063-42	071-32	071-42
Total length	L [mm]		414			434
Motor length	LB [mm]		183			203
Length of motor options	Δ L [mm]		40.0			52.0
Motor diameter	AC [mm]		123			139
Distance motor/connection	AD [mm]		107			118

L = length of the motor without built-on accessories
 ΔL = additional length of the built-on accessories (with brake)

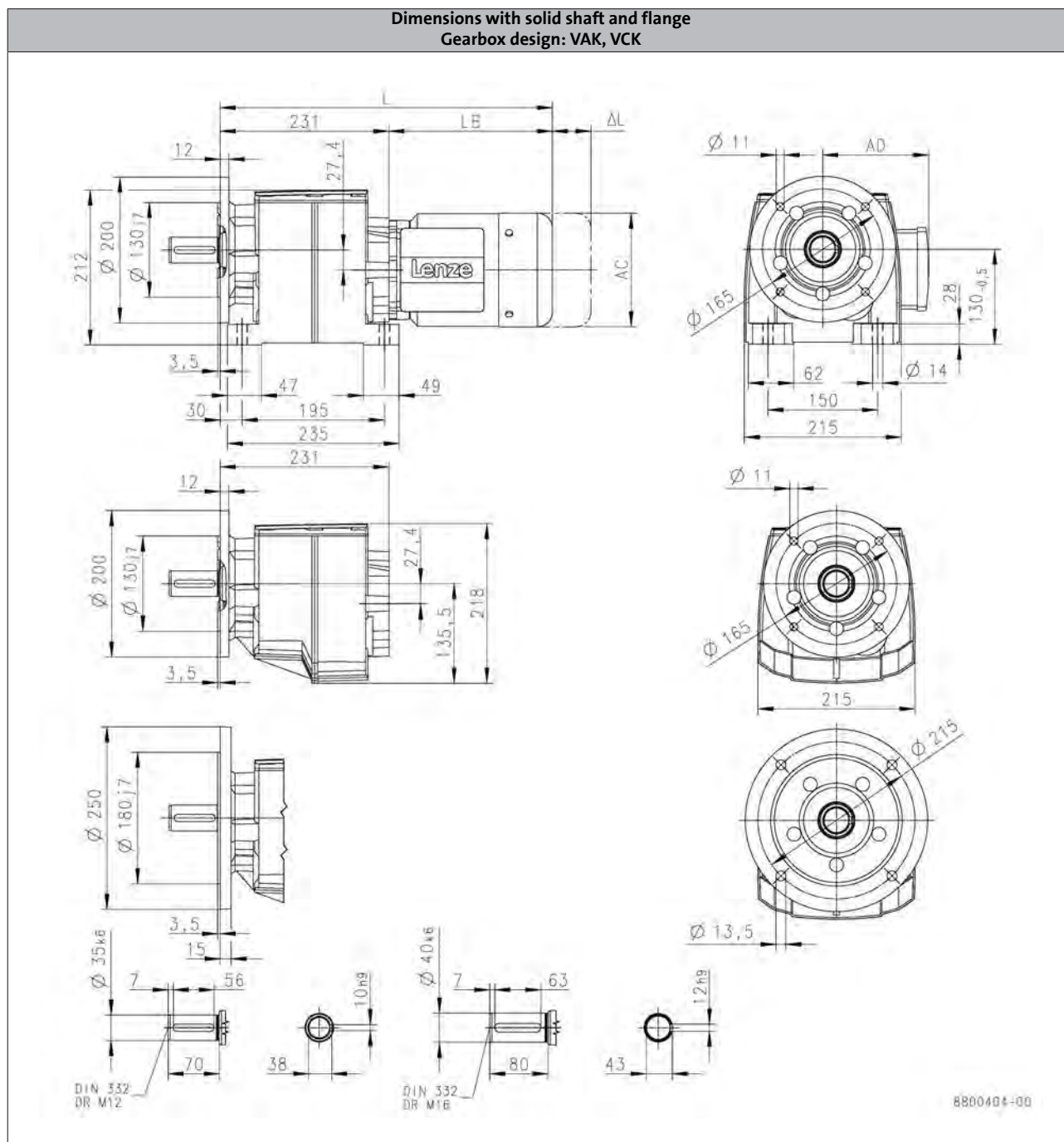
g500-H helical geared motors

Technical data



Dimensions, 4-pole motors

g500-H600



6.3

		m240							
		-P80/M4	-P90/M4	-P90/L4	-P100/M4	-P100/L4	-P112/M4	-P132/M4	-P132/L4
Total length	L [mm]	456	525		587		574		649
Motor length	LB [mm]	225	294		356		343		418
Length of motor options	Δ L [mm]	107	92.0		103		111		118
Motor diameter	AC [mm]	158	172		192		210		281
Distance motor/connection	AD [mm]	148	155		164		171		182

L = length of the motor without built-on accessories
 ΔL = additional length of the built-on accessories (with brake)

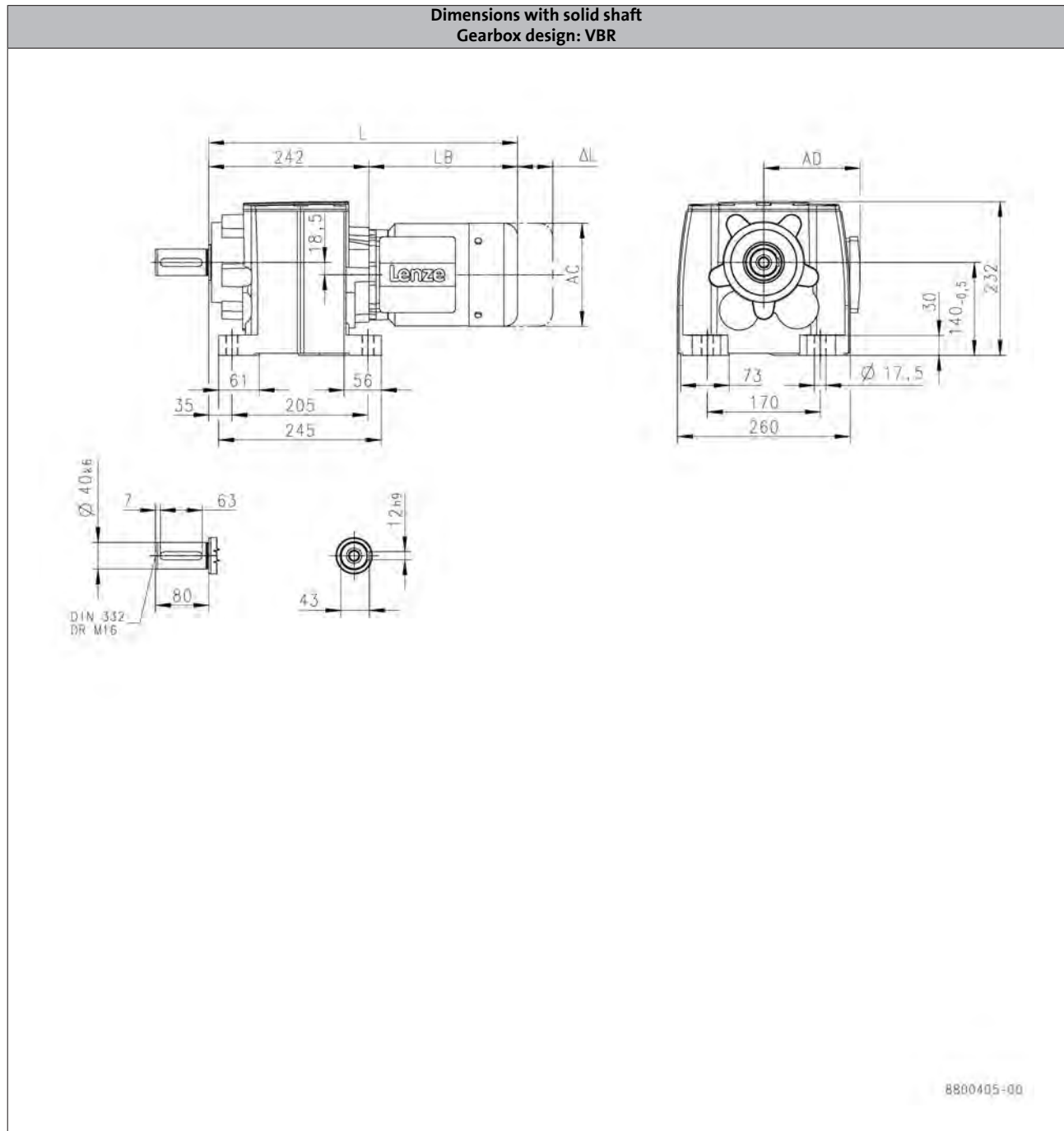
g500-H helical geared motors

Technical data



Dimensions, 4-pole motors

g500-H850



6.3

			MD□MA□□		
			063-42	071-32	071-42
Total length	L	[mm]	425		445
Motor length	LB	[mm]	183		203
Length of motor options	Δ L	[mm]	40.0		52.0
Motor diameter	AC	[mm]	123		139
Distance motor/connection	AD	[mm]	107		118

L = length of the motor without built-on accessories
 ΔL = additional length of the built-on accessories (with brake)

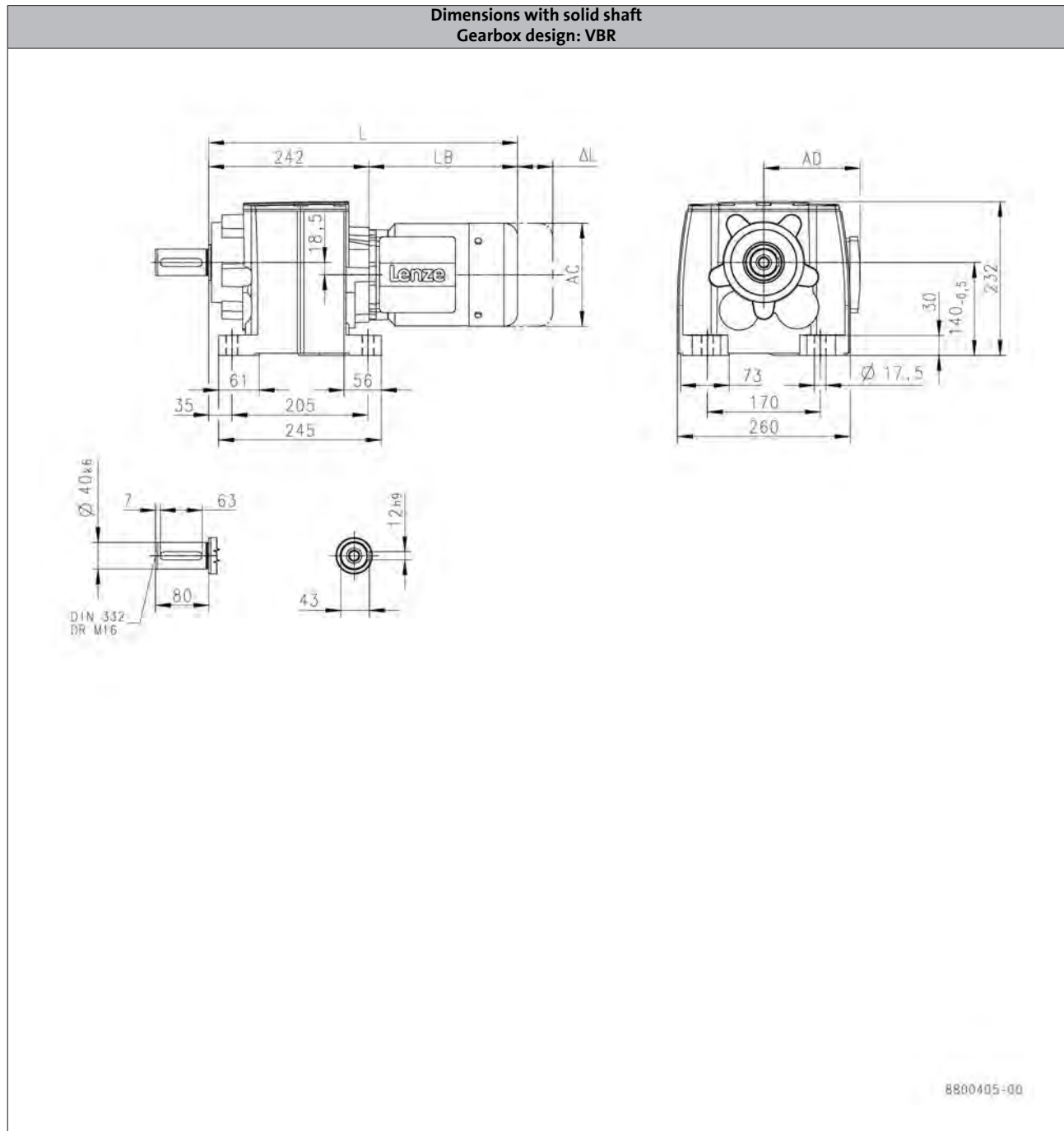
g500-H helical geared motors

Technical data



Dimensions, 4-pole motors

g500-H850



6.3

		m240							
		-P80/M4	-P90/M4	-P90/L4	-P100/M4	-P100/L4	-P112/M4	-P132/M4	-P132/L4
Total length	L [mm]	467	536		598		585		660
Motor length	LB [mm]	225	294		356		343		418
Length of motor options	Δ L [mm]	107	92.0		103		111		118
Motor diameter	AC [mm]	158	172		192		210		281
Distance motor/connection	AD [mm]	148	155		164		171		182

L = length of the motor without built-on accessories
 ΔL = additional length of the built-on accessories (with brake)

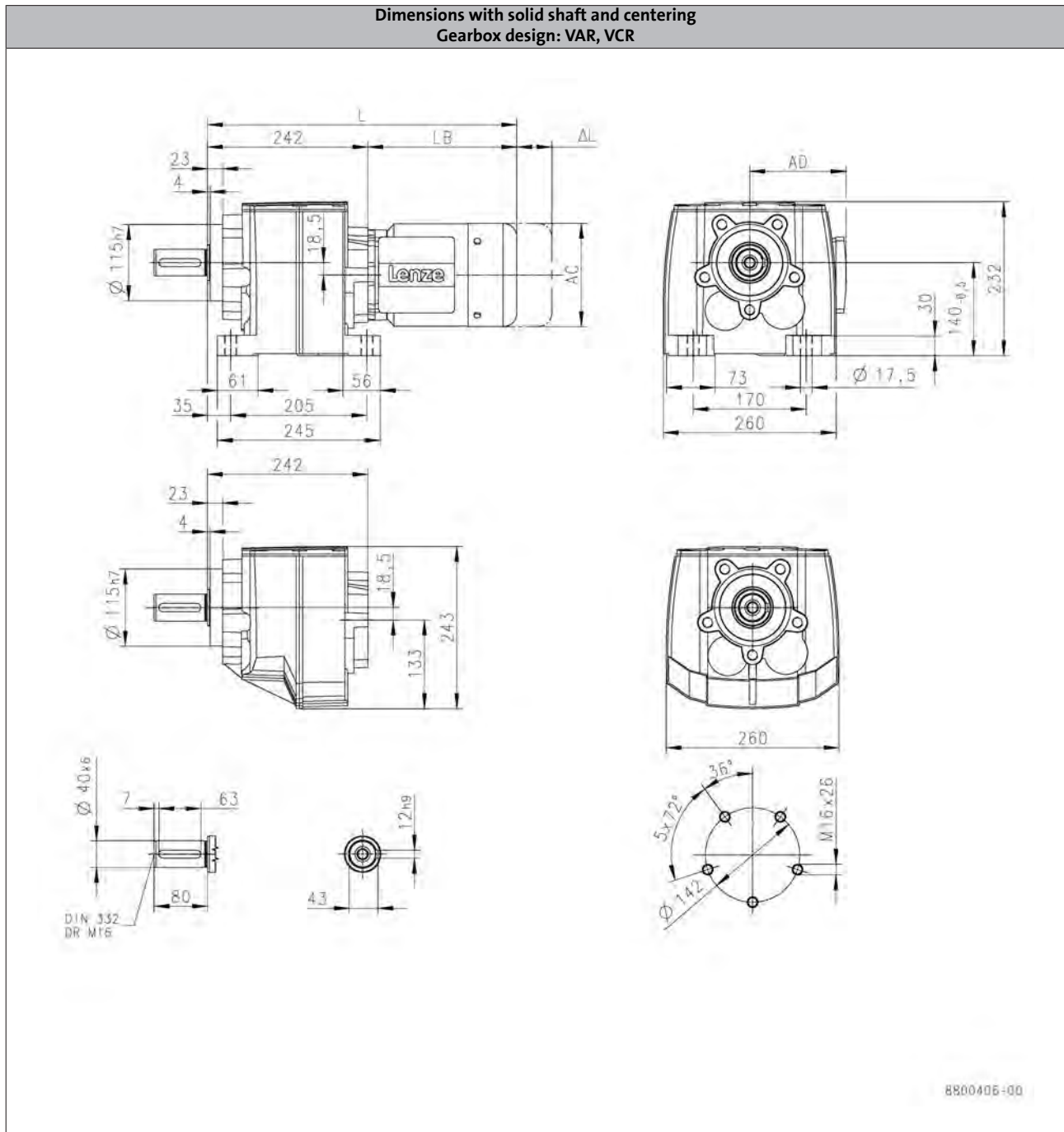
g500-H helical geared motors

Technical data



Dimensions, 4-pole motors

g500-H850



6.3

			MD□MA□□		
			063-42	071-32	071-42
Total length	L	[mm]	425		445
Motor length	LB	[mm]	183		203
Length of motor options	Δ L	[mm]	40.0		52.0
Motor diameter	AC	[mm]	123		139
Distance motor/connection	AD	[mm]	107		118

L = length of the motor without built-on accessories
 ΔL = additional length of the built-on accessories (with brake)

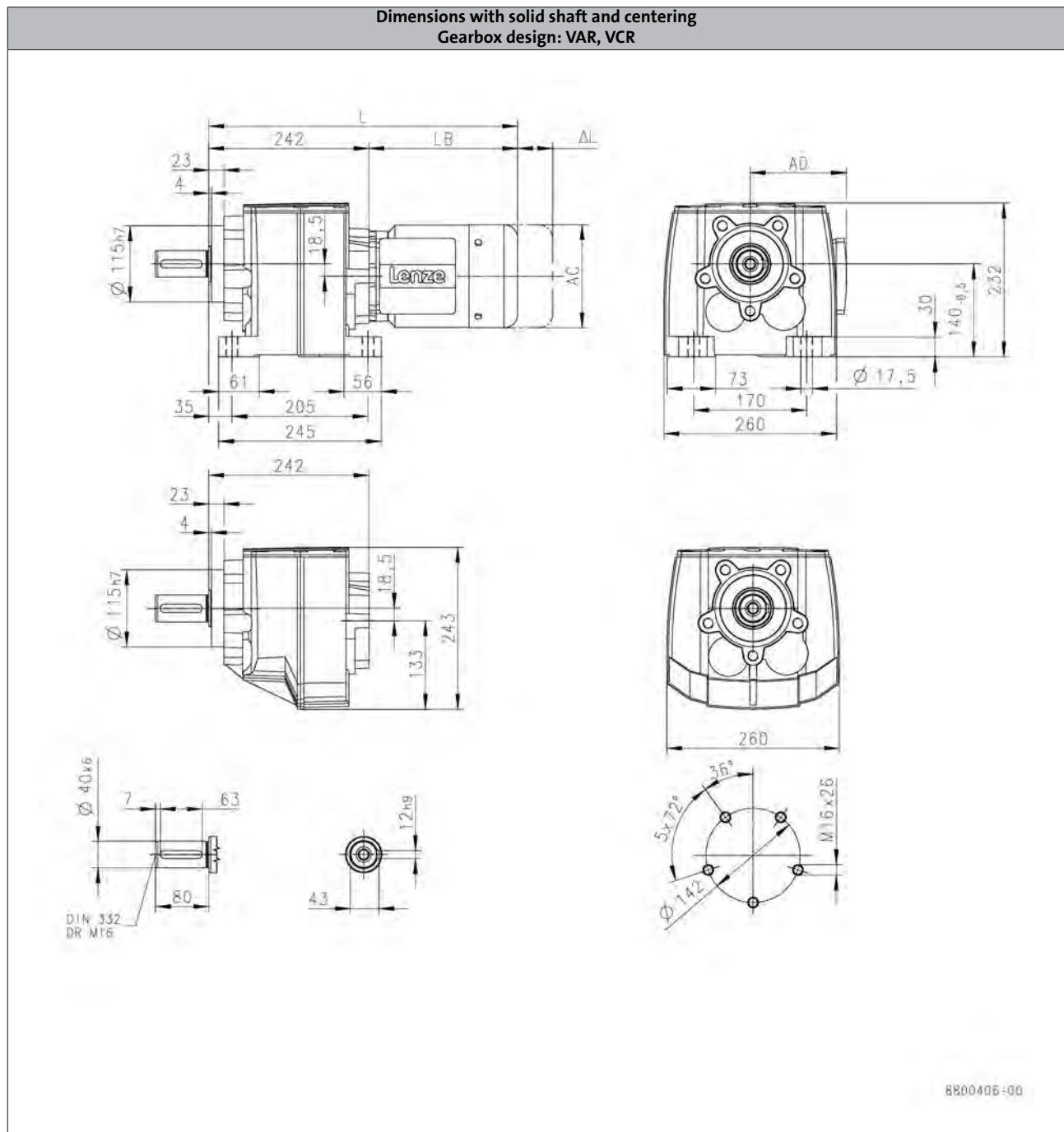
g500-H helical geared motors

Technical data



Dimensions, 4-pole motors

g500-H850



6.3

		m240							
		-P80/M4	-P90/M4	-P90/L4	-P100/M4	-P100/L4	-P112/M4	-P132/M4	-P132/L4
Total length	L [mm]	467	536		598		585		660
Motor length	LB [mm]	225	294		356		343		418
Length of motor options	Δ L [mm]	107	92.0		103		111		118
Motor diameter	AC [mm]	158	172		192		210		281
Distance motor/connection	AD [mm]	148	155		164		171		182

L = length of the motor without built-on accessories
 ΔL = additional length of the built-on accessories (with brake)

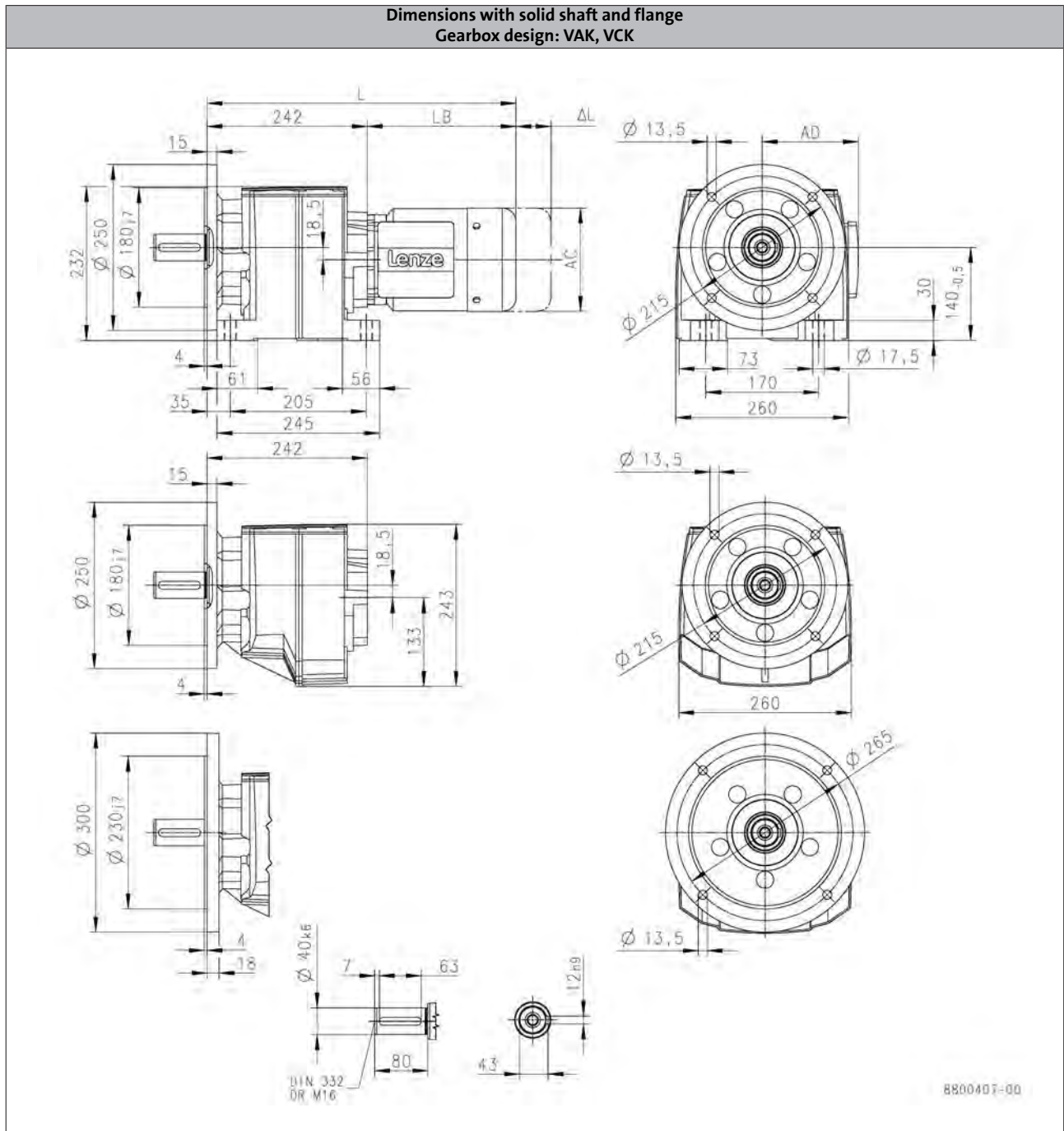
g500-H helical geared motors

Technical data



Dimensions, 4-pole motors

g500-H850



6.3

		MD□MA□□		
		063-42	071-32	071-42
Total length	L [mm]	425		445
Motor length	LB [mm]	183		203
Length of motor options	Δ L [mm]	40.0		52.0
Motor diameter	AC [mm]	123		139
Distance motor/connection	AD [mm]	107		118

L = length of the motor without built-on accessories
 ΔL = additional length of the built-on accessories (with brake)

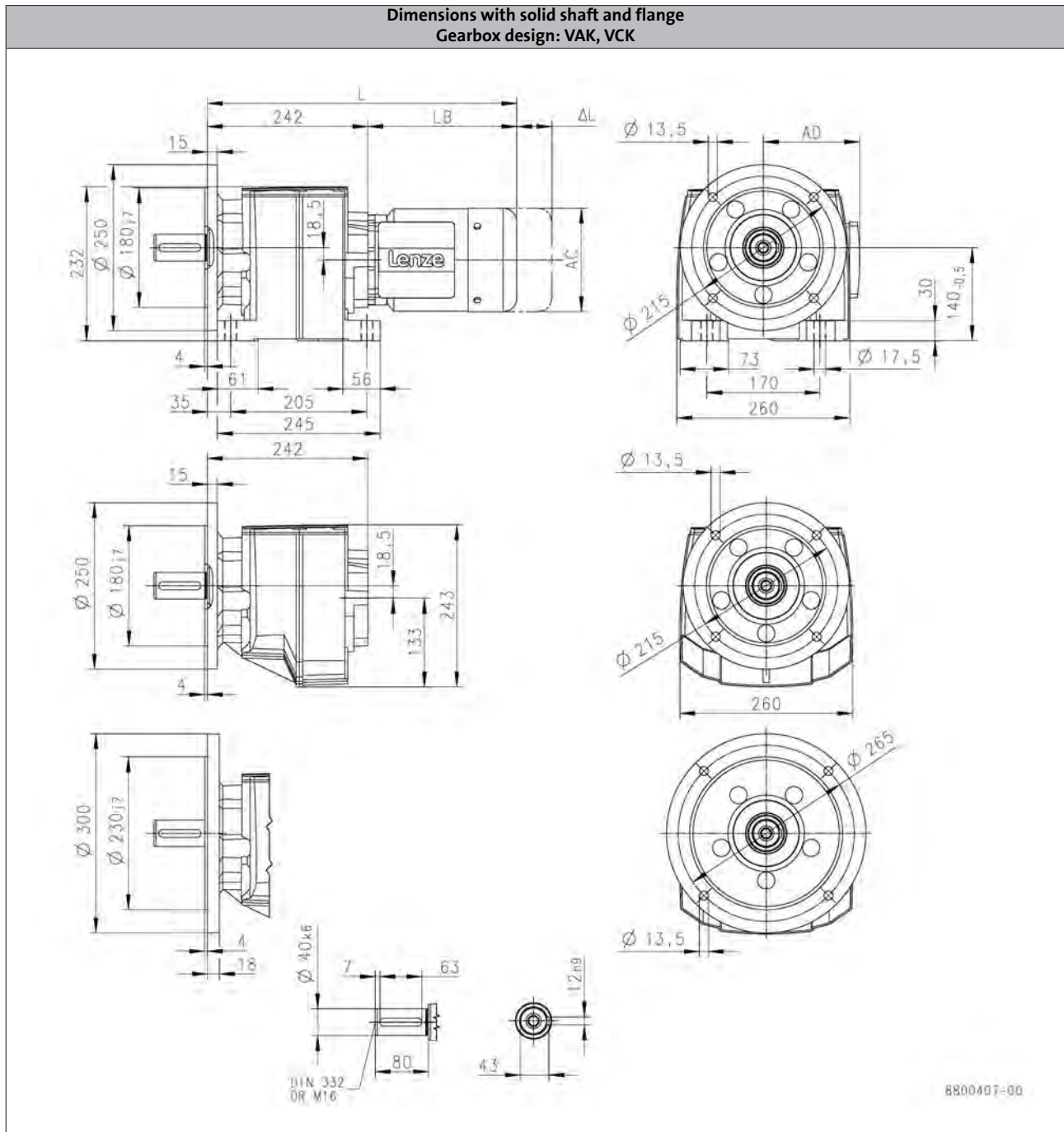
g500-H helical geared motors

Technical data



Dimensions, 4-pole motors

g500-H850



6.3

			m240							
			-P80/M4	-P90/M4	-P90/L4	-P100/M4	-P100/L4	-P112/M4	-P132/M4	-P132/L4
Total length	L	[mm]	467	536		598		585		660
Motor length	LB	[mm]	225	294		356		343		418
Length of motor options	Δ L	[mm]	107	92.0		103		111		118
Motor diameter	AC	[mm]	158	172		192		210		281
Distance motor/connection	AD	[mm]	148	155		164		171		182

L = length of the motor without built-on accessories
 ΔL = additional length of the built-on accessories (with brake)

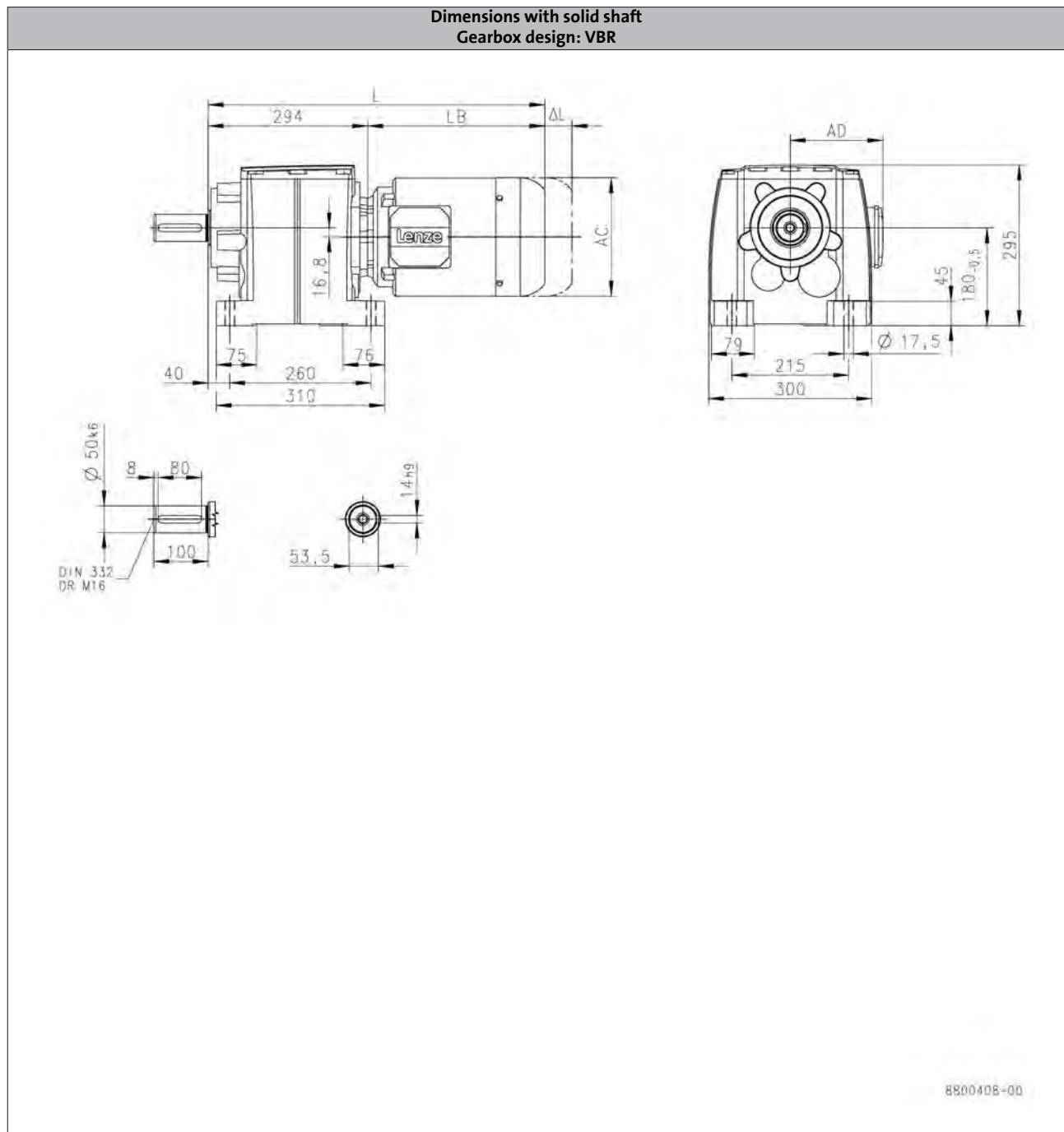
g500-H helical geared motors

Technical data



Dimensions, 4-pole motors

g500-H1500



6.3

			MD□MA□□		m240			
			071-42	-P80/M4	-P90/M4	-P90/L4	-P100/M4	-P100/L4
Total length	L	[mm]	581	519	588		650	
Motor length	LB	[mm]	203	225	294		356	
Length of motor options	Δ L	[mm]	52.0	107	92.0		103	
Motor diameter	AC	[mm]	139	158	172		192	
Distance motor/connection	AD	[mm]	118	148	155		164	

L = length of the motor without built-on accessories
 ΔL = additional length of the built-on accessories (with brake)

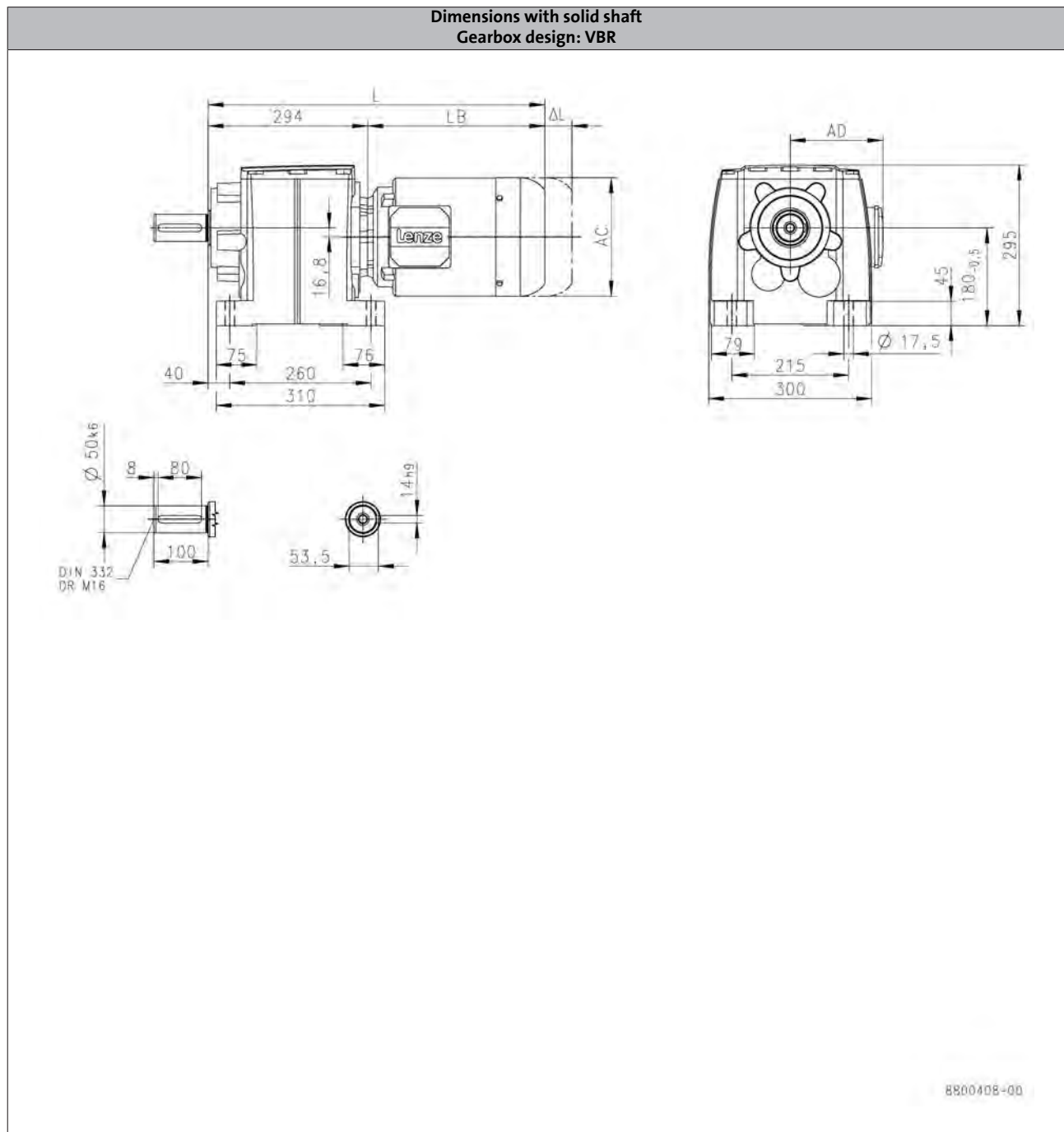
g500-H helical geared motors

Technical data



Dimensions, 4-pole motors

g500-H1500



6.3

		m240					
		-P112/M4	-P132/M4	-P132/L4	-P160/M4	-P160/L4	-P180/M4
Total length	L [mm]	637	712		863		963
Motor length	LB [mm]	343	418		569		669
Length of motor options	Δ L [mm]	111	118		146		107
Motor diameter	AC [mm]	210	281		313		351
Distance motor/connection	AD [mm]	171	182		231		282

L = length of the motor without built-on accessories
 ΔL = additional length of the built-on accessories (with brake)

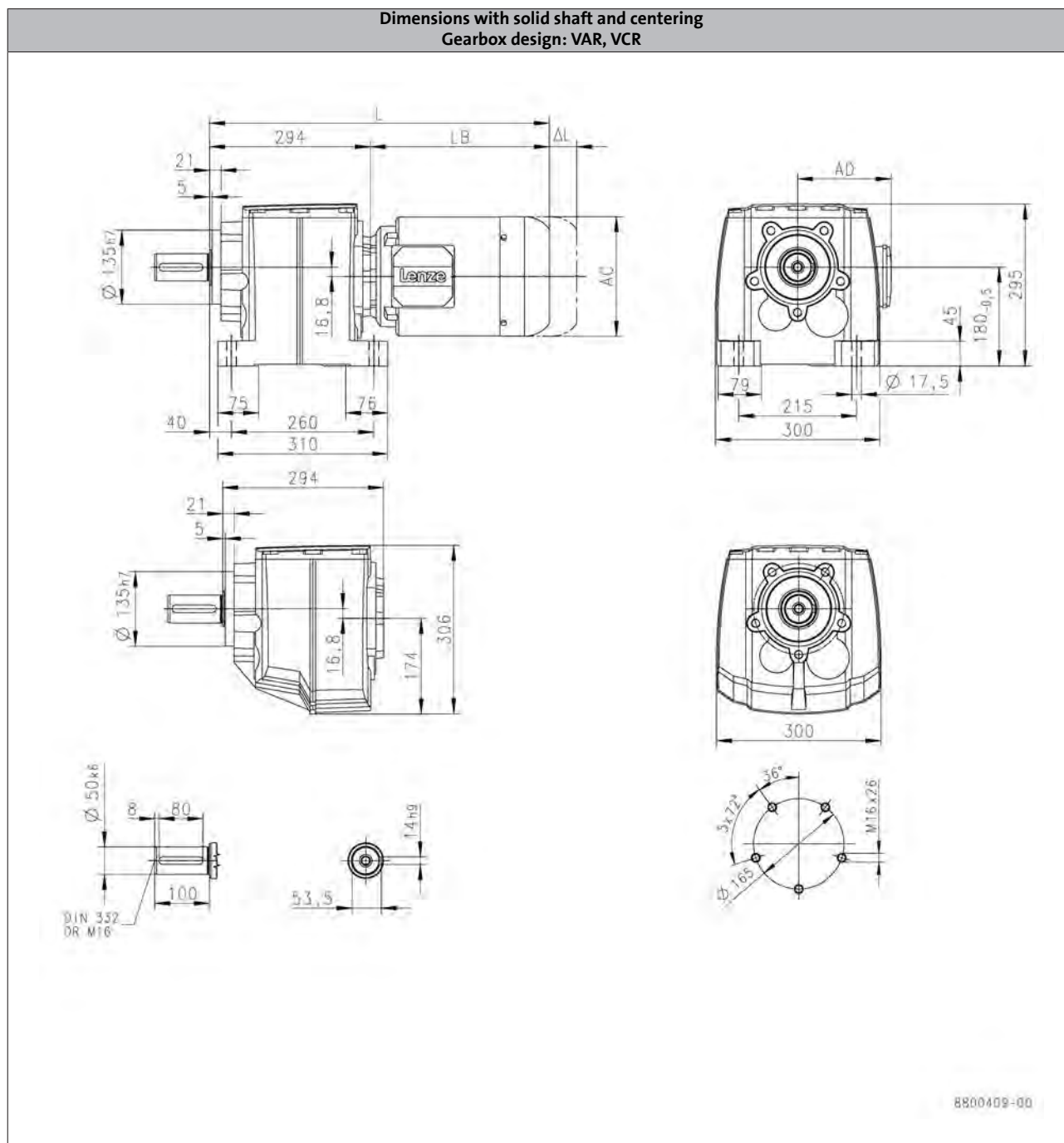
g500-H helical geared motors

Technical data



Dimensions, 4-pole motors

g500-H1500



6.3

		m240					
		-P112/M4	-P132/M4	-P132/L4	-P160/M4	-P160/L4	-P180/M4
Total length	L [mm]	637	712		863		963
Motor length	LB [mm]	343	418		569		669
Length of motor options	Δ L [mm]	111	118		146		107
Motor diameter	AC [mm]	210	281		313		351
Distance motor/connection	AD [mm]	171	182		231		282

L = length of the motor without built-on accessories
 ΔL = additional length of the built-on accessories (with brake)

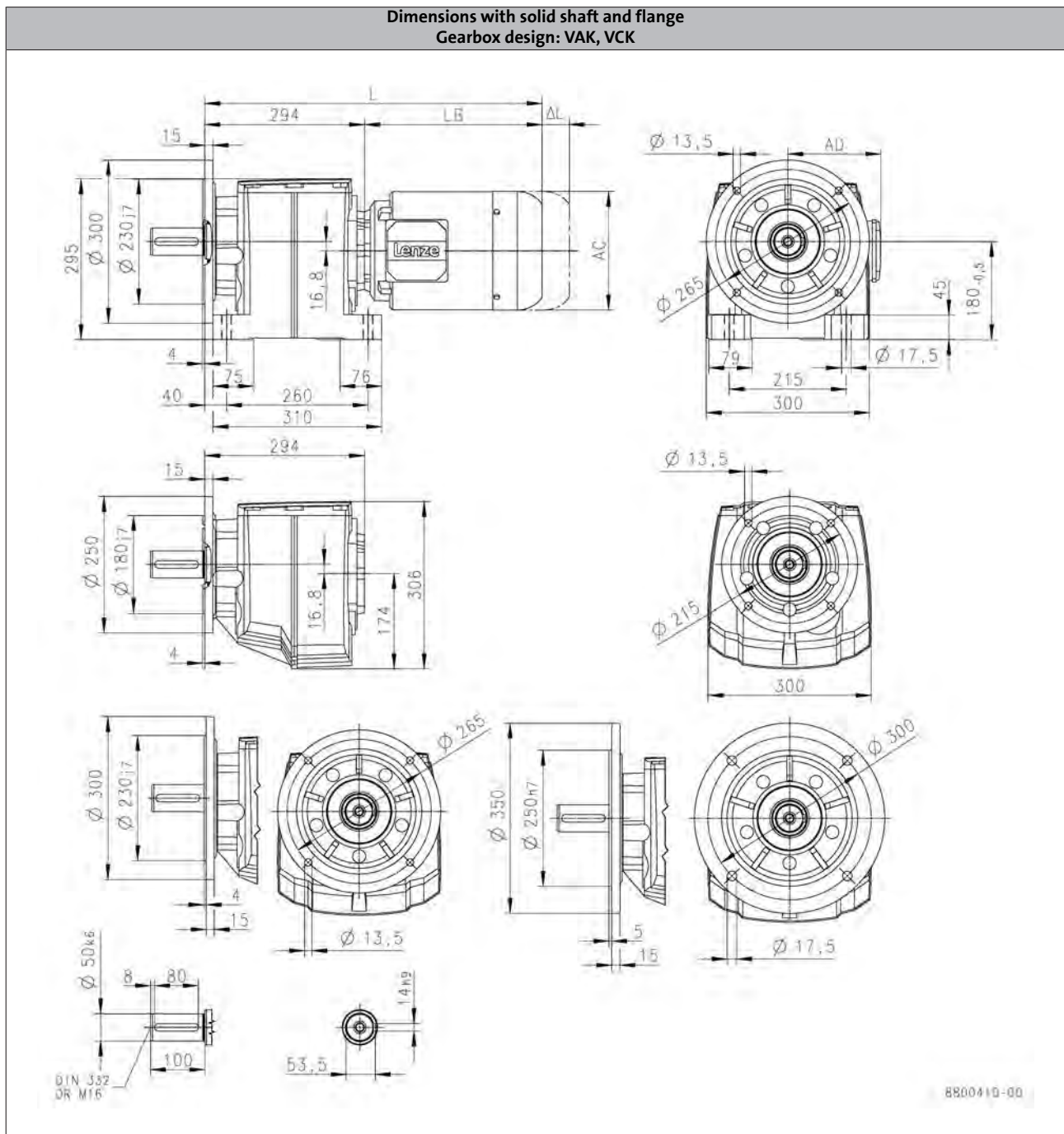
g500-H helical geared motors

Technical data



Dimensions, 4-pole motors

g500-H1500



6.3

		MD□MA□□			m240		
		071-42	-P80/M4	-P90/M4	-P90/L4	-P100/M4	-P100/L4
Total length	L [mm]	581	519		588		650
Motor length	LB [mm]	203	225		294		356
Length of motor options	Δ L [mm]	52.0	107		92.0		103
Motor diameter	AC [mm]	139	158		172		192
Distance motor/connection	AD [mm]	118	148		155		164

L = length of the motor without built-on accessories
 ΔL = additional length of the built-on accessories (with brake)

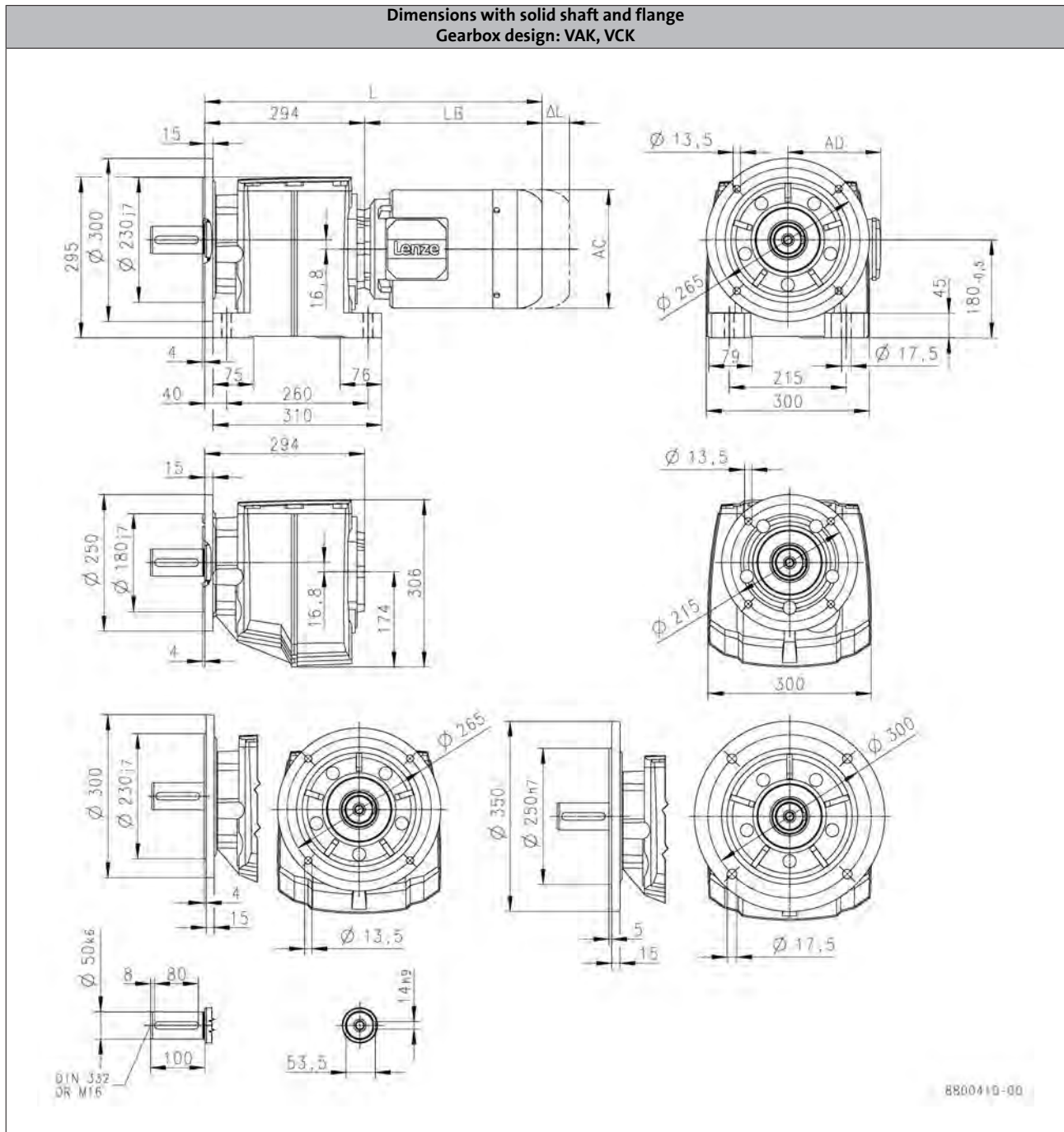
g500-H helical geared motors

Technical data



Dimensions, 4-pole motors

g500-H1500



		m240					
		-P112/M4	-P132/M4	-P132/L4	-P160/M4	-P160/L4	-P180/M4
Total length	L [mm]	637	712		863		963
Motor length	LB [mm]	343	418		569		669
Length of motor options	Δ L [mm]	111	118		146		107
Motor diameter	AC [mm]	210	281		313		351
Distance motor/connection	AD [mm]	171	182		231		282

L = length of the motor without built-on accessories
 ΔL = additional length of the built-on accessories (with brake)

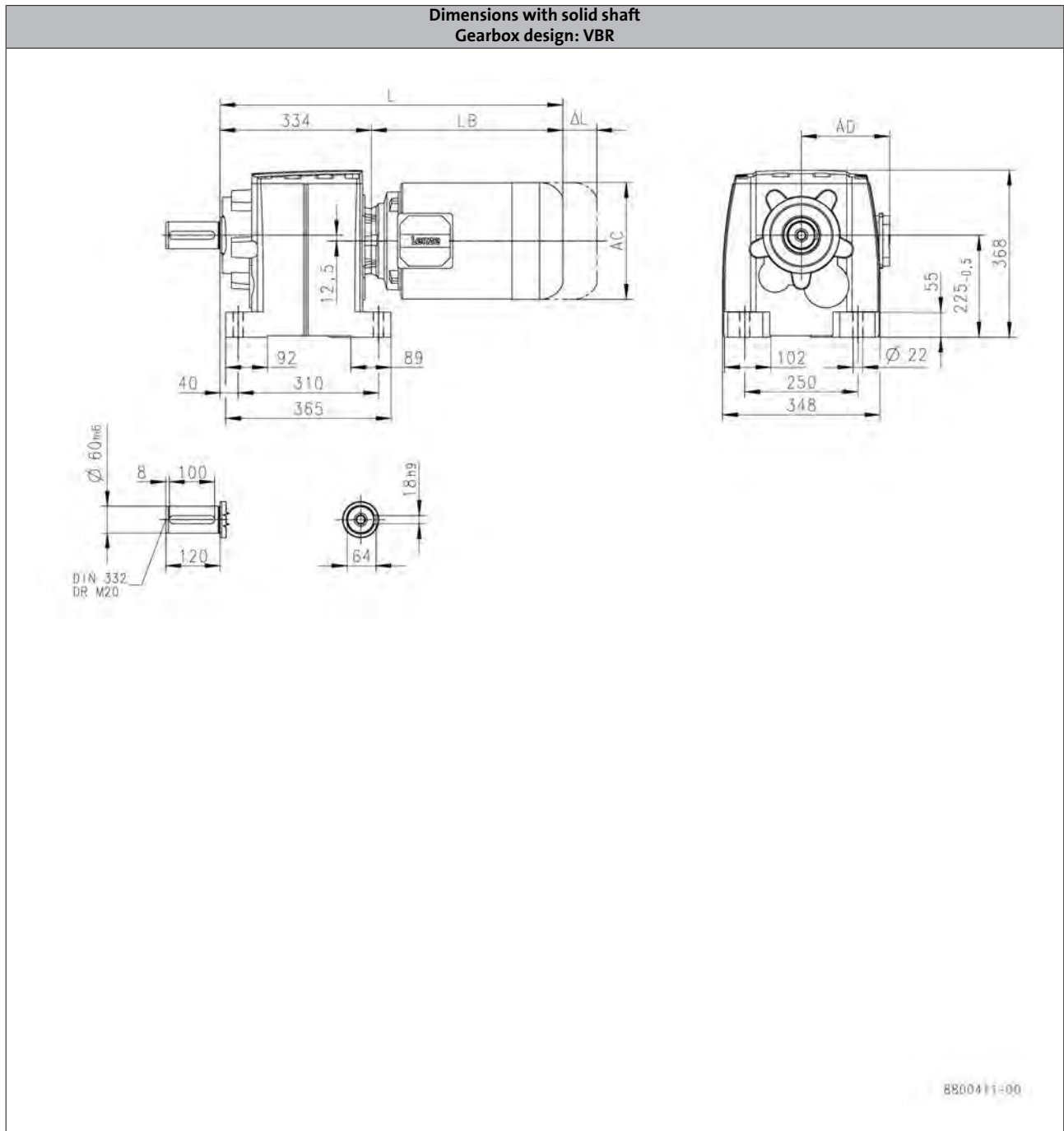
g500-H helical geared motors

Technical data



Dimensions, 4-pole motors

g500-H3000



6.3

		m240				
		-P90/M4	-P90/L4	-P100/M4	-P100/L4	-P112/M4
Total length	L [mm]	628		690		677
Motor length	LB [mm]	294		356		343
Length of motor options	Δ L [mm]	92.0		103		111
Motor diameter	AC [mm]	172		192		210
Distance motor/connection	AD [mm]	155		164		171

L = length of the motor without built-on accessories
 ΔL = additional length of the built-on accessories (with brake)

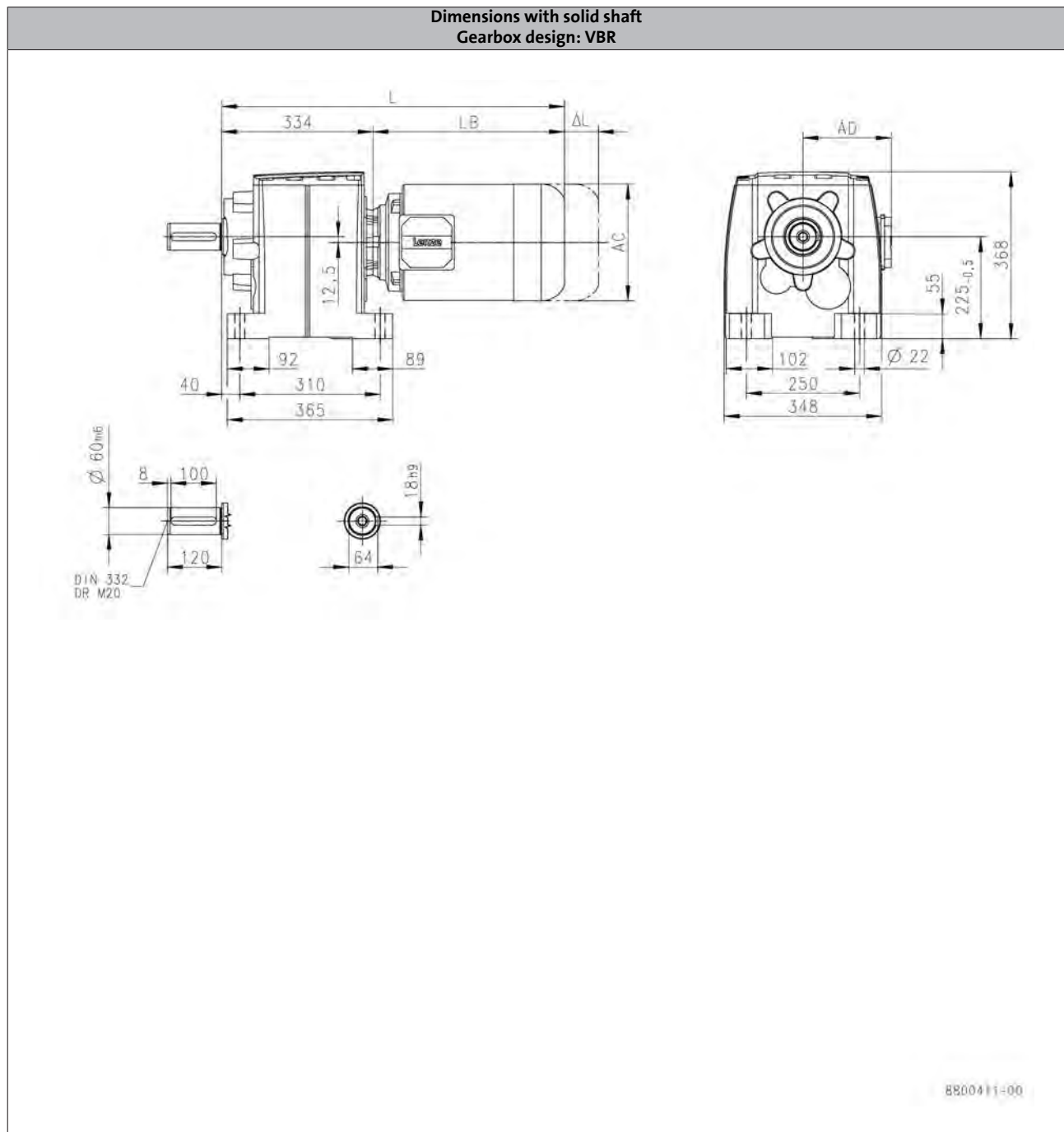
g500-H helical geared motors

Technical data



Dimensions, 4-pole motors

g500-H3000



6.3

		m240					
		-P132/M4	-P132/L4	-P160/M4	-P160/L4	-P180/M4	-P180/L4
Total length	L [mm]	752		903		1003	
Motor length	LB [mm]	418		569		669	
Length of motor options	Δ L [mm]	118		146		107	
Motor diameter	AC [mm]	281		313		351	
Distance motor/connection	AD [mm]	182		231		282	

L = length of the motor without built-on accessories
 ΔL = additional length of the built-on accessories (with brake)

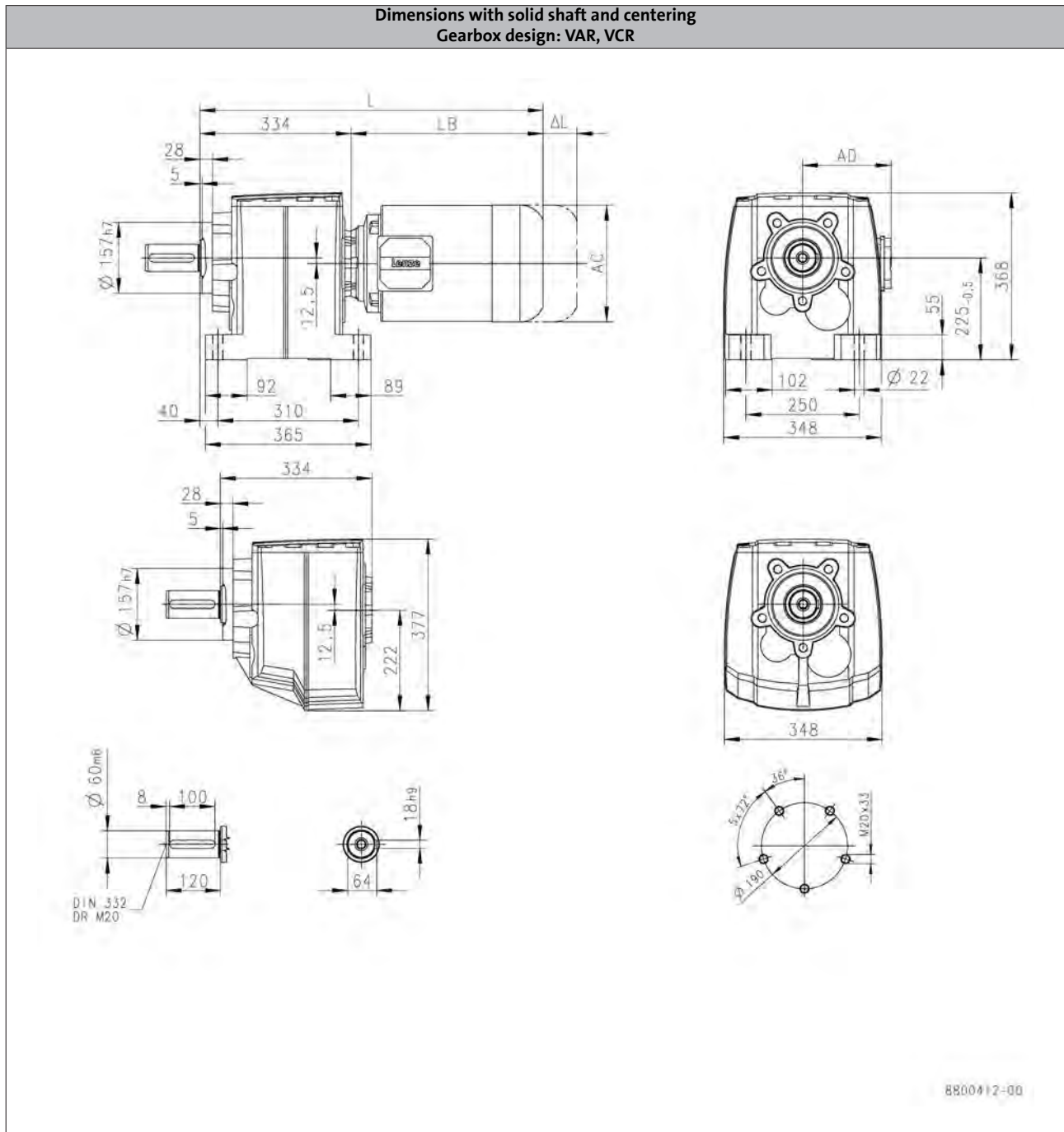
g500-H helical geared motors

Technical data



Dimensions, 4-pole motors

g500-H3000



6.3

		m240				
		-P90/M4	-P90/L4	-P100/M4	-P100/L4	-P112/M4
Total length	L [mm]	628		690		677
Motor length	LB [mm]	294		356		343
Length of motor options	Δ L [mm]	92.0		103		111
Motor diameter	AC [mm]	172		192		210
Distance motor/connection	AD [mm]	155		164		171

L = length of the motor without built-on accessories
 ΔL = additional length of the built-on accessories (with brake)

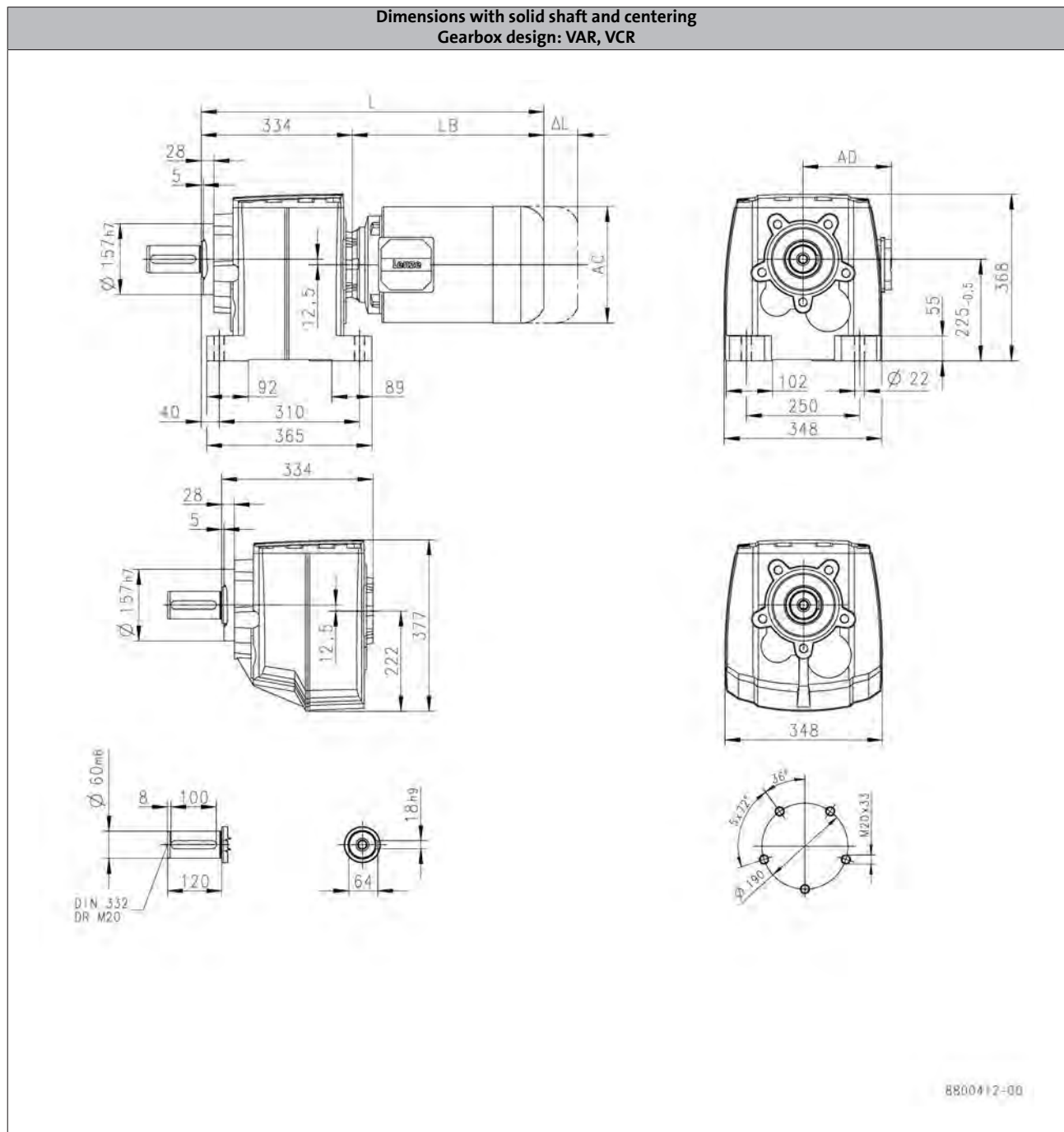
g500-H helical geared motors

Technical data



Dimensions, 4-pole motors

g500-H3000



		m240					
		-P132/M4	-P132/L4	-P160/M4	-P160/L4	-P180/M4	-P180/L4
Total length	L [mm]	752		903		1003	
Motor length	LB [mm]	418		569		669	
Length of motor options	Δ L [mm]	118		146		107	
Motor diameter	AC [mm]	281		313		351	
Distance motor/connection	AD [mm]	182		231		282	

L = length of the motor without built-on accessories
 ΔL = additional length of the built-on accessories (with brake)

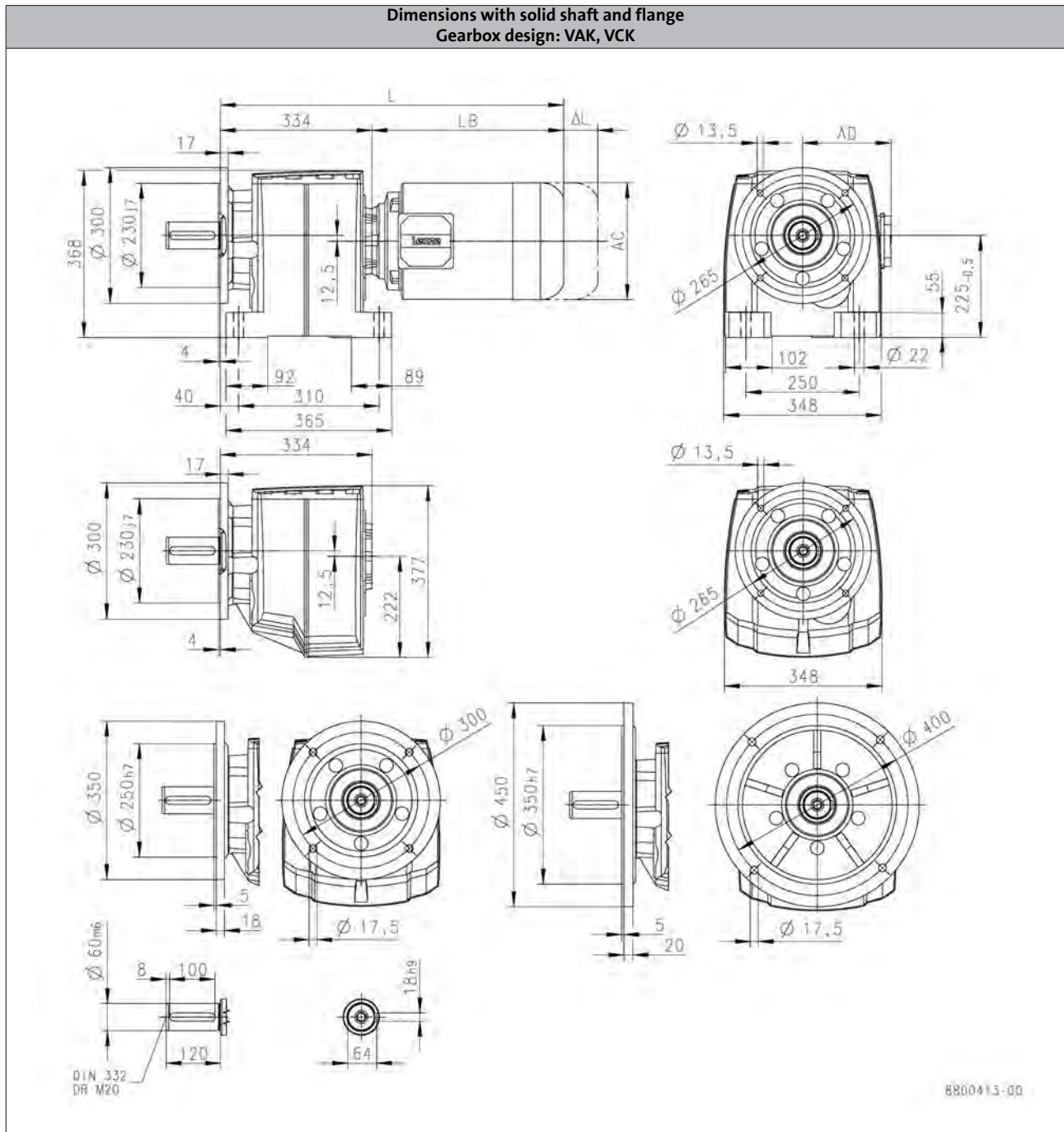
g500-H helical geared motors

Technical data



Dimensions, 4-pole motors

g500-H3000



		m240				
		-P90/M4	-P90/L4	-P100/M4	-P100/L4	-P112/M4
Total length	L [mm]	628		690		677
Motor length	LB [mm]	294		356		343
Length of motor options	Δ L [mm]	92.0		103		111
Motor diameter	AC [mm]	172		192		210
Distance motor/connection	AD [mm]	155		164		171

L = length of the motor without built-on accessories
 ΔL = additional length of the built-on accessories (with brake)

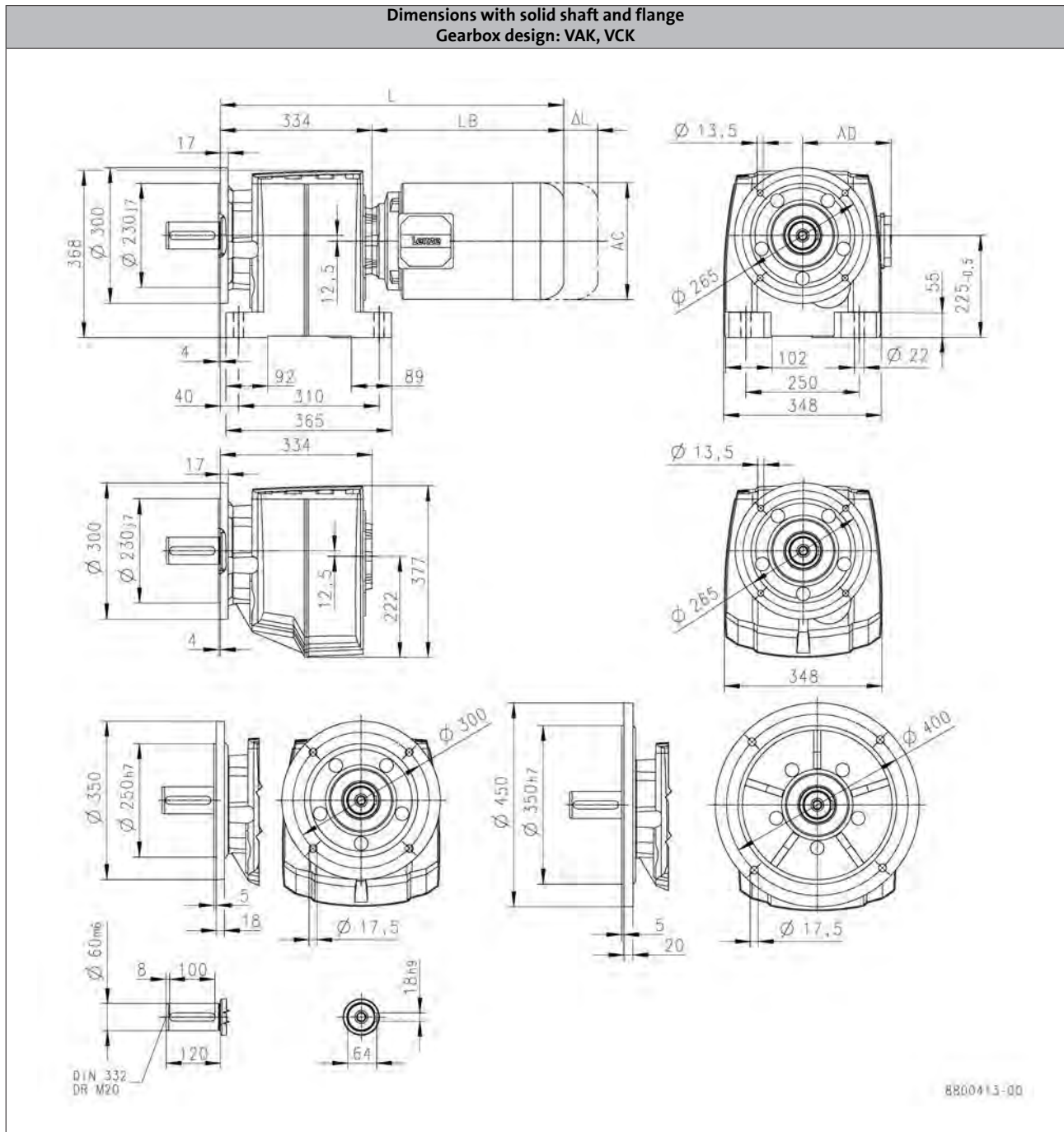
g500-H helical geared motors

Technical data



Dimensions, 4-pole motors

g500-H3000



		m240					
		-P132/M4	-P132/L4	-P160/M4	-P160/L4	-P180/M4	-P180/L4
Total length	L [mm]	752		903		1003	
Motor length	LB [mm]	418		569		669	
Length of motor options	Δ L [mm]	118		146		107	
Motor diameter	AC [mm]	281		313		351	
Distance motor/connection	AD [mm]	182		231		282	

L = length of the motor without built-on accessories
 ΔL = additional length of the built-on accessories (with brake)

g500-H helical geared motors

Technical data



Weights, 4-pole motors

- Weights with oil capacity for mounting position A, all given as approximate values.
The weights refer to the basic version, observe additional weights!

2-stage gearboxes

Product		Mass
		m
		[kg]
g500-H45	MD□MA□□063-02	5.20
	MD□MA□□063-12	5.70
	MD□MA□□063-22	5.20
	MD□MA□□063-32	5.70
	MD□MA□□063-42	6.00
	MD□MA□□071-32	7.40
	MD□MA□□071-42	8.00
g500-H100	MD□MA□□063-12	7.70
	MD□MA□□063-32	7.70
	MD□MA□□063-42	8.00
	MD□MA□□071-32	9.40
	MD□MA□□071-42	10.0
	m240-P80/M4	18.5
	m240-P90/M4	22.5
m240-P90/L4	23.5	
g500-H140	MD□MA□□063-12	8.80
	MD□MA□□063-32	8.80
	MD□MA□□063-42	9.10
	MD□MA□□071-32	10.5
	MD□MA□□071-42	11.1
	m240-P80/M4	19.6
	m240-P90/M4	23.6
	m240-P90/L4	24.6
g500-H210	MD□MA□□063-12	10.2
	MD□MA□□063-32	10.2
	MD□MA□□063-42	10.5
	MD□MA□□071-32	11.9
	MD□MA□□071-42	12.5
	m240-P80/M4	21.0
	m240-P90/M4	25.0
	m240-P90/L4	26.0
	m240-P100/M4	32.0
	m240-P100/L4	37.0
g500-H320	MD□MA□□063-32	12.1
	MD□MA□□063-42	12.4
	MD□MA□□071-32	13.8
	MD□MA□□071-42	14.4
	m240-P80/M4	22.9
	m240-P90/M4	26.9
	m240-P90/L4	27.9

Product		Mass
		m
		[kg]
g500-H320	m240-P100/M4	33.9
	m240-P100/L4	38.9
	m240-P112/M4	41.9
g500-H450	MD□MA□□063-42	15.8
	MD□MA□□071-32	17.2
	MD□MA□□071-42	17.8
	m240-P80/M4	26.3
	m240-P90/M4	30.3
	m240-P90/L4	31.3
	m240-P100/M4	37.3
	m240-P100/L4	42.3
	m240-P112/M4	45.3
	m240-P132/M4	66.3
m240-P132/L4	68.3	
g500-H600	MD□MA□□063-42	27.0
	MD□MA□□071-32	28.4
	MD□MA□□071-42	29.0
	m240-P80/M4	37.5
	m240-P90/M4	41.5
	m240-P90/L4	42.5
	m240-P100/M4	48.5
	m240-P100/L4	53.5
	m240-P112/M4	56.5
	m240-P132/M4	77.5
m240-P132/L4	79.5	
g500-H850	MD□MA□□071-42	37.9
	m240-P80/M4	46.4
	m240-P90/M4	50.4
	m240-P90/L4	51.4
	m240-P100/M4	57.4
	m240-P100/L4	62.4
	m240-P112/M4	65.4
	m240-P132/M4	86.4
	m240-P132/L4	88.4
	m240-P90/M4	80.5
g500-H1500	m240-P90/L4	81.5
	m240-P100/M4	87.5
	m240-P100/L4	92.5
	m240-P112/M4	95.5
	m240-P132/M4	117

g500-H helical geared motors

Technical data



Weights, 4-pole motors

- Weights with oil capacity for mounting position A, all given as approximate values.
The weights refer to the basic version, observe additional weights!

2-stage gearboxes

Product		Mass
		m
		[kg]
g500-H1500	m240-P132/L4	119
	m240-P160/M4	154
	m240-P160/L4	161
	m240-P180/M4	188
g500-H3000	m240-P100/M4	129
	m240-P100/L4	134
	m240-P112/M4	137

Product		Mass
		m
		[kg]
g500-H3000	m240-P132/M4	158
	m240-P132/L4	160
	m240-P160/M4	195
	m240-P160/L4	202
	m240-P180/M4	229
	m240-P180/L4	238

3-stage gearboxes

Product		Mass
		m
		[kg]
g500-H210	MD□MA□□063-12	10.4
	MD□MA□□063-32	
	MD□MA□□063-42	10.7
	MD□MA□□071-32	12.1
	MD□MA□□071-42	12.7
	m240-P80/M4	21.2
g500-H320	MD□MA□□063-12	12.3
	MD□MA□□063-32	
	MD□MA□□063-42	12.6
	MD□MA□□071-32	14.0
	MD□MA□□071-42	14.6
	m240-P80/M4	23.1
g500-H450	MD□MA□□063-12	15.9
	MD□MA□□063-32	
	MD□MA□□063-42	16.2
	MD□MA□□071-32	17.6
	MD□MA□□071-42	18.2
	m240-P80/M4	26.7
	m240-P90/M4	30.7
	m240-P90/L4	31.7
g500-H600	MD□MA□□063-12	27.6
	MD□MA□□063-32	
	MD□MA□□063-42	27.9
	MD□MA□□071-32	29.3
	MD□MA□□071-42	29.9
	m240-P80/M4	38.4
	m240-P90/M4	42.4
	m240-P90/L4	43.4

Product		Mass
		m
		[kg]
g500-H600	m240-P100/M4	49.4
	m240-P100/L4	54.4
g500-H850	MD□MA□□063-42	37.0
	MD□MA□□071-32	38.4
	MD□MA□□071-42	39.0
	m240-P80/M4	47.5
	m240-P90/M4	51.5
	m240-P90/L4	52.5
	m240-P100/M4	58.5
	m240-P100/L4	63.5
m240-P112/M4	66.5	
g500-H1500	m240-P132/M4	87.5
	MD□MA□□071-42	69.5
	m240-P80/M4	78.0
	m240-P90/M4	82.0
	m240-P90/L4	83.0
	m240-P100/M4	89.0
	m240-P100/L4	94.0
	m240-P112/M4	97.0
m240-P132/M4	118	
g500-H3000	m240-P90/M4	127
	m240-P90/L4	128
	m240-P100/M4	134
	m240-P100/L4	139
	m240-P112/M4	142
	m240-P132/M4	163
	m240-P132/L4	165
	m240-P160/M4	200

g500-H helical geared motors

Technical data



Additional weights for gearboxes

Product			g500-H45	g500-H100	g500-H140	g500-H210	g500-H320
Foot	m	[kg]	0.1	0.1	0.2	0.1	0.1
Flange	m	[kg]	0.3	0.4	0.6	0.6	0.8

Product			g500-H450	g500-H600	g500-H850	g500-H1500	g500-H3000
Foot	m	[kg]	0.2	2.0	2.8	4.3	5.8
Flange	m	[kg]	0.9	4.3	7.6	8.3	20.1

Additional weights for motors

4-pole motors

Product			MD□MA□□			m240		
			063-02 063-22	063-12 063-32 063-42	071-32 071-42	-P80/M4	-P90/M4 -P90/L4	-P100/M4 -P100/L4
Brake			06		06	08		10
	m	[kg]	0.9		0.9	1.5		2.6
					08	10		12
					1.5	2.6		4.2

Product			m240				
			-P112/M4	-P132/M4 -P132/L4	-P160/M4	-P160/L4	-P180/M4 -P180/L4
Brake			12	14	16	18	18
			14	16	18		20
	m	[kg]	4.2	5.8	8.7	12.6	12.6
			5.8	8.7	12.6		19.5

g500-H helical geared motors

Appendix



Gearbox code

Example		G	50	A	H	045	M	V	B	R	2	C	1A
Meaning	Variant												
Product family		G	50										
Generation				A									
				B									
Gearbox type	Helical gearbox				H								
Output torque	45 Nm					045							
	100 Nm					110							
	140 Nm					114							
	210 Nm					121							
	320 Nm					132							
	450 Nm					145							
	600 Nm					160							
	850 Nm					185							
	1500 Nm					215							
	3000 Nm					230							
	5000 Nm					250							
	8000 Nm					280							
	14000 Nm					314							
Type of construction	Geared motor						M						
	Gearboxes						N						
Shaft type	Solid shaft with feather key							V					
	Solid shaft without keyway							G					
Housing type	Foot mounting + centering								A				
	Foot mounting								B				
	Centering								C				
Flange mounting	Without flange									R			
	Flange with through holes									k			
										P			
Number of stages	2-stage										2		
	3-stage										3		
Motor mounting	Integrated											C	
	IEC motor											N	
	NEMA motor											A	
	Servo motor											S	
Drive size												1A	
												...	
												□H	

g500-H helical geared motors

Appendix



Motor code

Example	M	D	E	MA	XX	063	-	4	2	C1	C
Meaning	Variant	Motor code									
Product family		M									
Efficiency class	IE1		D								
Cooling	Natural ventilation			S							
	Integral fan			E							
	Blower			F							
Internal key				MA							
Built-on accessories	Without built-on accessories				XX						
	Brake				BR						
	Brake + resolver				BS						
	Brake + incremental encoder				BI						
	Brake + SinCos absolute value encoder				BA						
	Resolver				RS						
	Incremental encoder				IG						
	SinCos absolute value encoder				AG						
Size						063					
						071					
Overall length								0			
								1			
								2			
								3			
								4			
Number of pole pairs	4-pole motors								2		
	2-pole motors								1		
Internal key										C1	
Approval	CE										C
	cURus										U
	CCC										3

g500-H helical geared motors

Appendix



Motor code

Example		M	24	A	P	080	M	04	5	E	0	0	W	T	
Meaning	Variant	Motor code													
Product family		M	24												
Generation				A											
Efficiency class	Premium - IE3				P										
Size						080									
						090									
						100									
						112									
						132									
						160									
						180									
Overall length	Medium						M								
	Long						L								
	Very long						V								
Number of poles	4-pole							04							
Degree of protection	IP5□								5						
	IP6□								6						
Cooling	Integral fan									E					
Brake attachment	Without brake										0				
	Spring-applied brake										F				
Actual value encoder	Without encoder											0			
Approval	CE												C		
	Without												N		
Design type	Internal key													T	