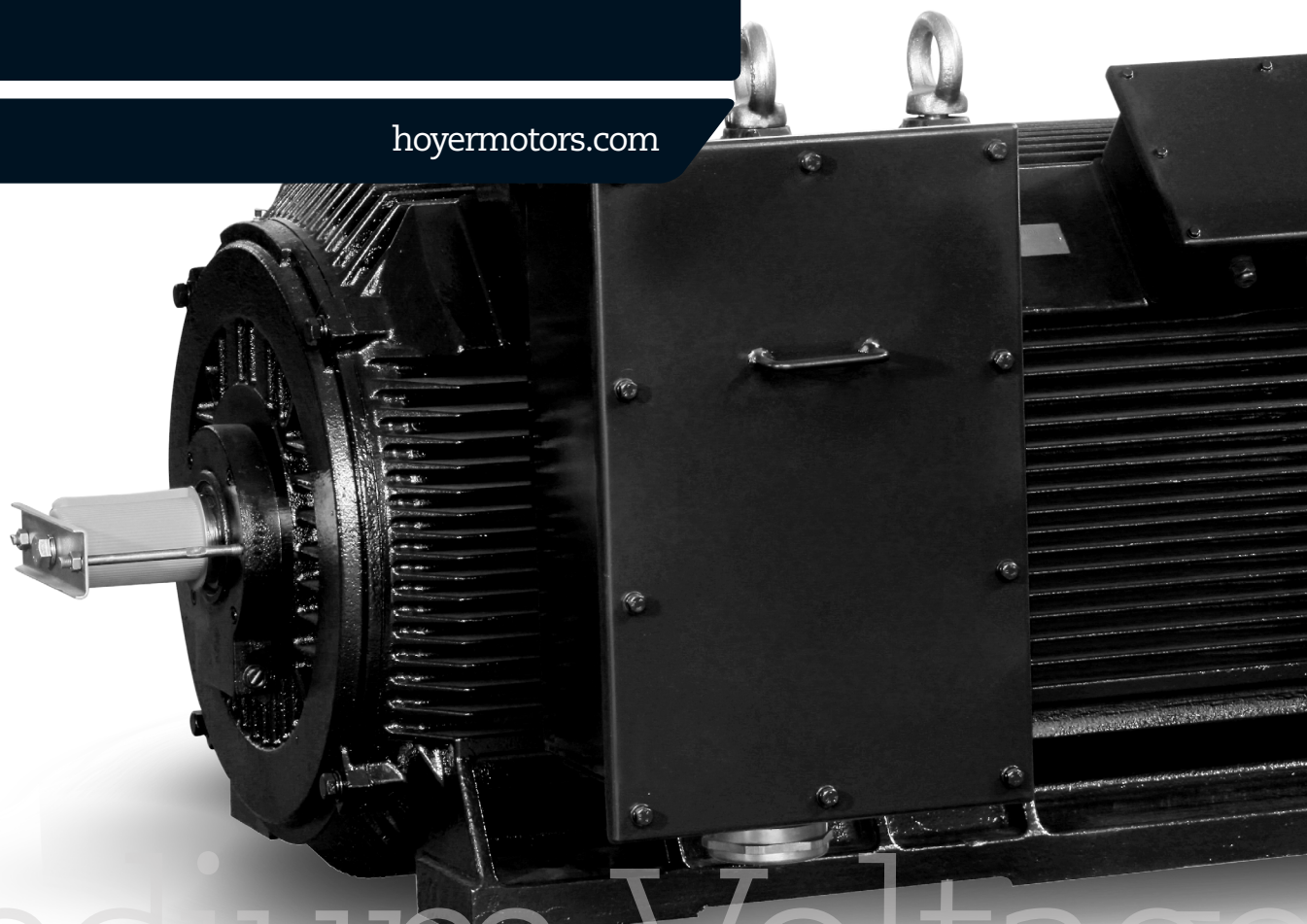


Electric Motors

Medium Voltage

hoyermotors.com



Medium Voltage

HOYER
MOTORS



HOYER

EXCEEDING EXPECTATIONS

Headquartered in Denmark and China, we are represented through subsidiaries and sales offices in a number of countries across the globe. We pride ourselves of being an elite manufacturing enterprise with the highest attention to service and support – a company where dedication, competitiveness and reliability are second to none.

At Svend Hoyer A/S, meeting agreements is as natural as breathing air. Our motto: A promise is a promise, is the foundation for always supplying solutions that meet – or, indeed, exceed our customers' expectations in every respect. Our business policy is always to be direct in our approach, even in the rare case of complaint or criticism.

In other words, Svend Hoyer A/S is a company you can rely on. A trustworthy business partner that always meets our obligations on deliveries and technical solutions – both in the short and long term. This is what we mean by Exceeding Expectations.

General information

The Hoyer Motors Medium voltage range type HMCA2 is designed for high performance. Besides the standard range we are able to meet various customized demands. The medium voltage motors are used for many applications including pumps and ventilation.

Product information

Standards:	IEC 60034 series, IEC 60072-1, IEC 60072-2-1, IEC 60085, IEC 60038
Cooling:	TEFC IC411
Stator frame material:	Grey cast iron
Fan cover material:	Plate steel S235
Flange material:	Grey cast iron
IEC sizes:	355-560. Other sizes on request
Coating:	Hoyer standard
Color:	RAL 9005, 10% gloss
Mounting form:	B3, B5 – only V1 in standard housing, B35
Cable entry:	Steel plate for customised requirements
Protection class:	IP 55. Other classes on request
Vibration:	Grade A. Grade B on request

Technical information and electrical design

Supply voltages:	50Hz.: 3 / 3,3 kV - 6 / 6,6 kV – 10 / 11 kV. 60Hz on request
Efficiency class:	IE2. IE3 on request
Pole:	2,4,6,8. 10 and 12 on request
Insulation class / temperature rise:	F / B
Winding coating system:	VPI wire ready for VFD duty
Winding coating:	Tropical windings
Winding protection:	3 in series. 1 PTC in each phase in NDE coilhead
Duty:	S1. S2-S9 on request
Heater:	Standard in NDE and optional in DE
Ambient temperature:	40° and 50° at 1000 m altitude

Electrical interface

Terminal box

The main terminal box up to 11KV is as standard on the right side. Y point and W.O. terminal box is available on request. Hoyer HMCA2 motors have separate aux box as standard.

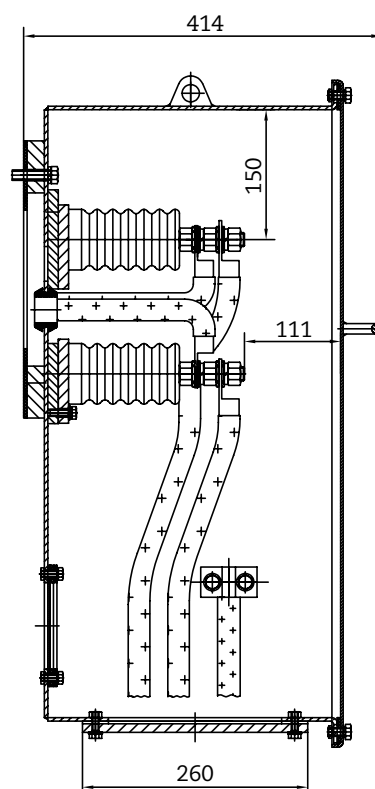
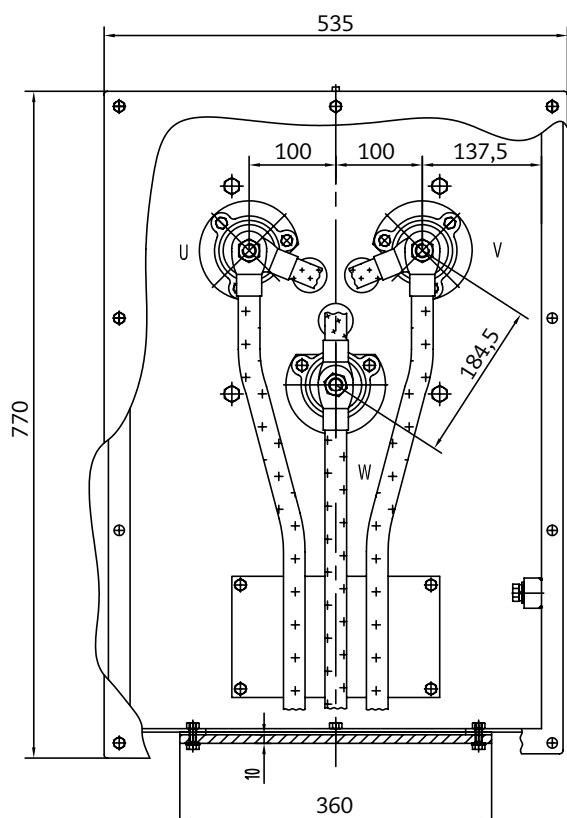
Main terminal box

Box material:	Welded steel
Cable gland plate:	Steel plate, steel Q235-A
Protection class:	IP55
Isolators:	DMC
Connection screws:	M16, steel
Connection nuts tightening torque:	40Nm
Ground connections:	2-M10 (inside)

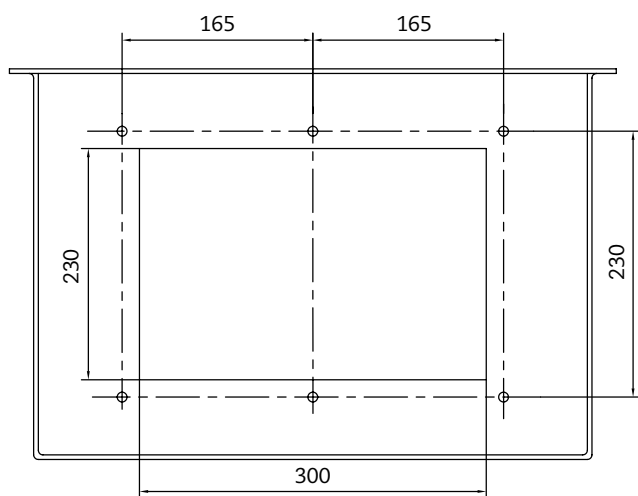
Technical data for the main terminal box

Voltage (max.):	11KV
Current (max.):	400A
No of cables(max.):	1 per phase
Cross section of cables (max.):	200mm ²
Clearance (min.):	184mm
Creepage (min.):	120mm
Gross volume:	112
Usable volume:	105
Weight:	67kg

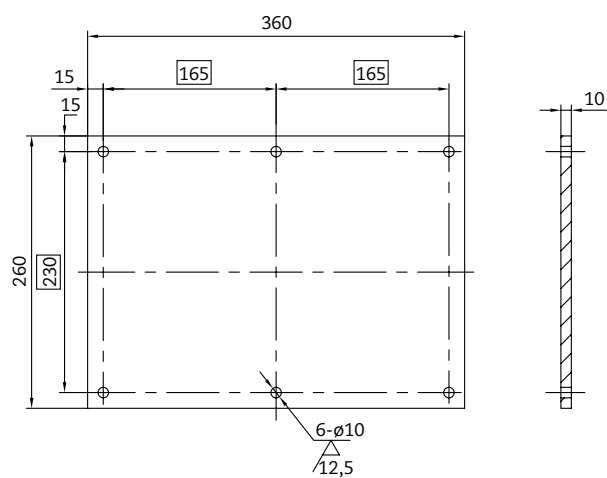
Main terminals



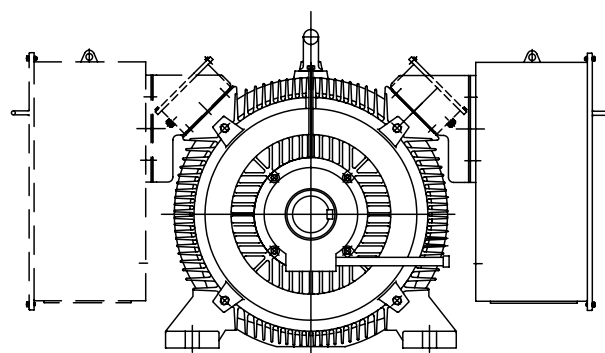
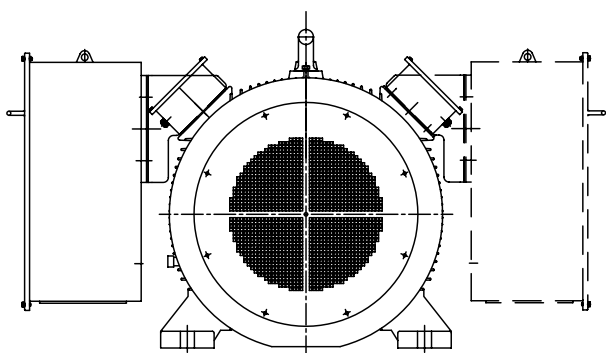
Terminal box dimensions



Mechanical cable interface



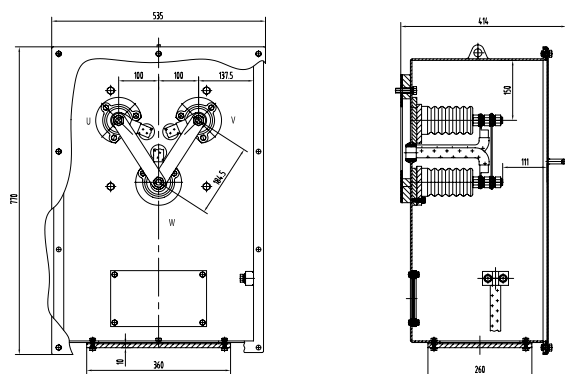
Terminal box on right side – standard



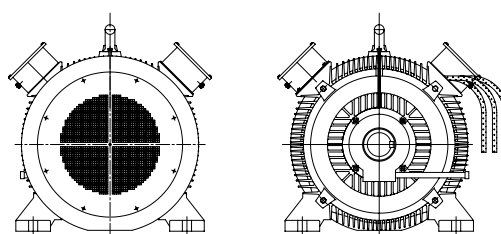
Optional terminal box solutions

Besides the standard terminal box there is an optional star point terminal box up to 11kV and a motor solution without terminal box. Furthermore we offer various mounting options on request

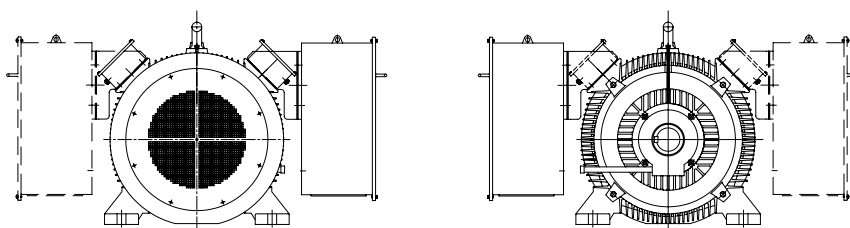
Y point terminals – optional



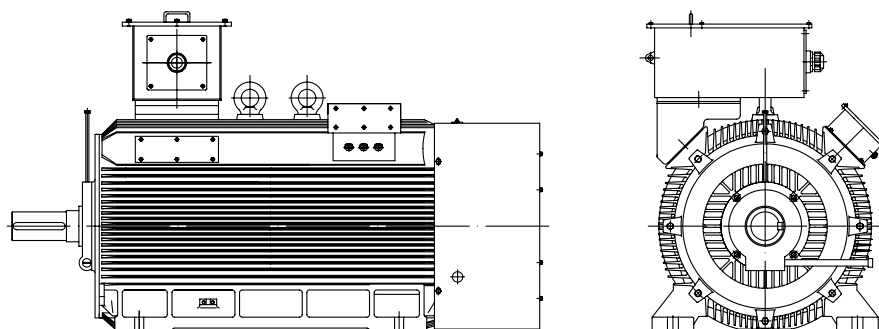
Without terminal box – optional



Terminal box on left side – optional



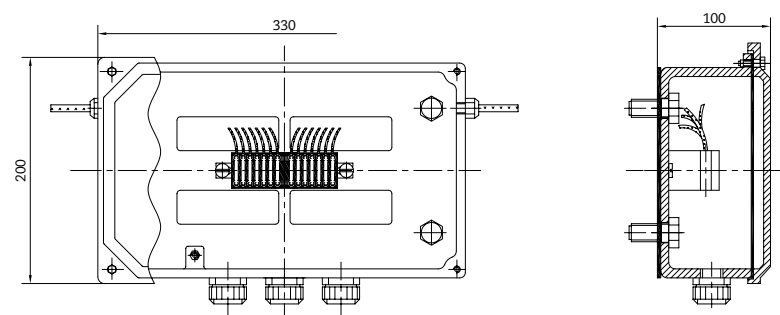
Terminal box on top – optional



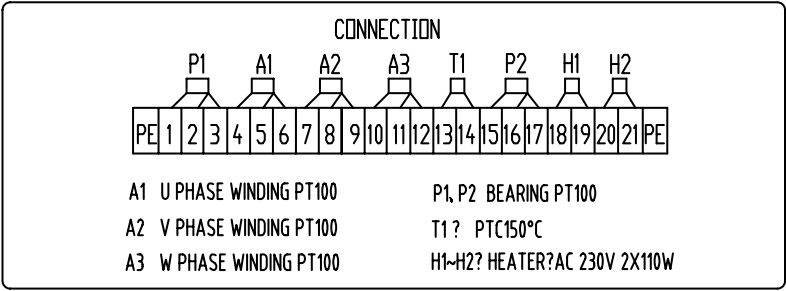
Aux box

A separate auxiliary box is used for control equipment and heating elements. Heater and PTC is standard.

Auxiliary box dimensions



Auxiliary box connection diagram



Bearings

Hoyer HMCA2 range comes with high-quality re-greaseable SKF bearings. The motors are as standard equipped with single-row deep groove ball bearings. B5 (V1 mounting only) motors have angular contact bearings. NU bearings in D.E. for increased radial force is available on request. Standard bearing grease: -50°C/ + 180°C

Basic version with deep groove ball bearings

Motor size	Number of poles	Deep groove ball bearings	
		D.E.	N.D.E
315	2	6218C3	6218C3
	4-8	6319C3	6319C3
355	2	6218C3	6218C3
	4-8	6322C3	6322C3
400	2	6220C3	6220C3
	4-8	6326C3	6326C3
450	2	6220C3	6220C3
	4-8	6328C3	6328C3
500	4	6328C3	6328C3
	6-8	6330C3	6330C3
560	4-8	6334C3	6330C3

Bearings – NU roller bearing in D.E.

Motor size	Number of poles	Roller bearings D-end
315	4-6	NU319
355	4-6	NU322
400	4-6	NU326
450	4-6	NU328
500	4	NU328
500	6-8	NU330
560	4-8	NU334

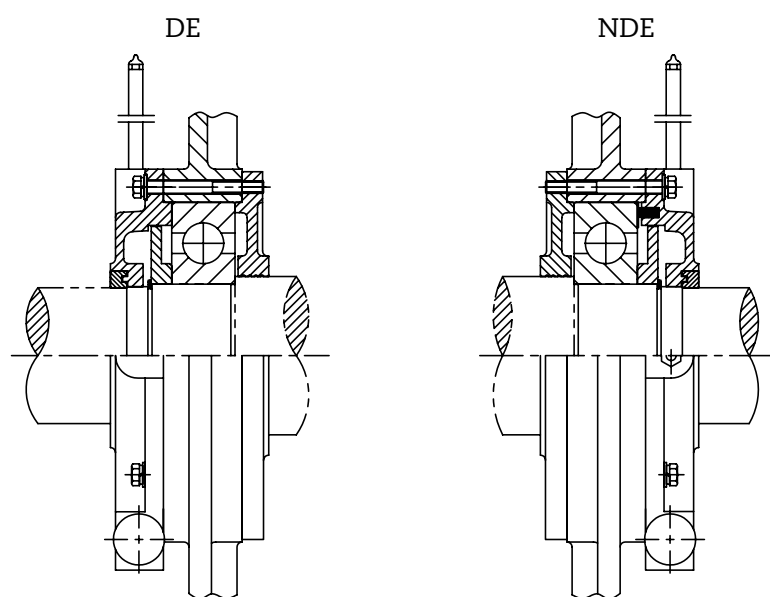
Lubrication intervals

Motor size	Number of poles	Brgs. DE	Brgs. NDE	Volume g	Interval
315	2	6218C3	6218C3	38/38	2000h
315	4-8	6319C3	6319C3	50/50	4000h
355	2	6218C3	6218C3	38/38	2000h
355	4-8	6322C3	6322C3	60/60	4000h
400	2	6220C3	6220C3	40/40	2000h
400	4-8	6326C3	6326C3	85/85	4000h
450	2	6220C3	6220C3	40/40	2000h
450	4-8	6328C3	6328C3	95/95	4000h
500	4	6328C3	6328C3	95/95	4000h
500	6-8	6330C3	6330C3	110/110	2000h
560	4-8	6334C3	6330C3	120/110	2000h

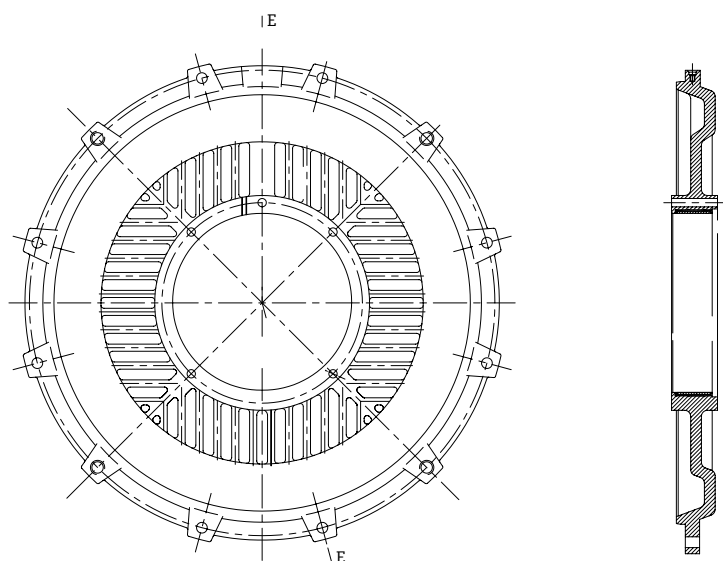
Bearing seals

Hoyer medium voltage motors are equipped with labyrinth bearing seals and insulated bearing shields as standard.

Labyrinth bearing seal



Insulated bearing shield



Noise and vibration

HMCA2 motors are fulfilling balancing grade A, $H \geq 315$, speed 2.3mm/s.

Noise level for 6.6 kV motors and below

Rated output kW	Number of poles			
	2	4	6	8
>100~220	95	92	88	85
>220~550	97	94	91	88
>550~1100	98	97	94	91
>1100~2200	99		96	93

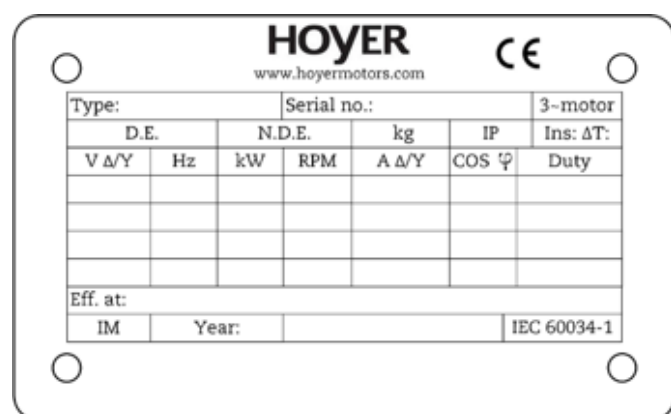
Noise level for 10 kV motors and above

Rated output kW	Number of poles			
	2	4	6	8
>220-315	96	94	91	88
>355-560	97	95	94	91
>630-900	98	97	95	92
>1000	99		96	93

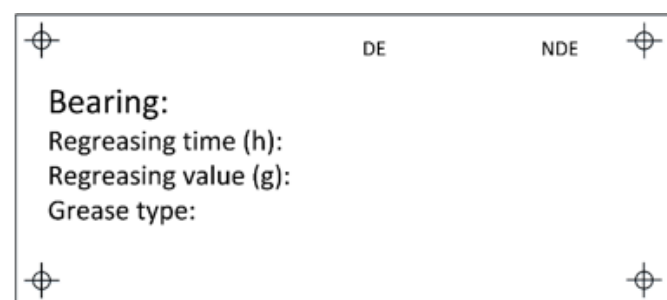
Rating plates

All Hoyer Motors rating plates are in stainless steel execution.

Name plate



Lubrication plate



2 pole 40°
- 3000 V

Motor type	Pole	Rated Power	Rated Speed	Efficiency	Power Factor	Current			Torque			Moment of inertia (J)	Approx Weight
						Full Load 3kV	Full Load 3.3kV	Locked Rotor	Full Load	Locked Rotor	Pull Out		
		kW	RPM	%	%	A	A	%FLC	kg-m	%FLT	%FLT	kg-m²	kg

HMCA2 3000 V, 50 Hz, ambient temperature 40°

HMCA2 355H-2	2	185	2980	93,0	84,0	45,6	41,4	700	60	70	200	2.6	1900
HMCA2 355H1-2	2	200	2980	93,2	84,0	49,2	44,7	700	65	70	200	2.8	2000
HMCA2 355H2-2	2	220	2980	93,3	84,0	54,0	49,1	700	72	70	200	3.0	2100
HMCA2 355H3-2	2	250	2980	93,4	84,0	61,3	55,8	700	82	70	200	3.3	2200
HMCA2 355H4-2	2	280	2980	93,6	86,0	66,9	60,9	700	92	70	200	3.5	2350
HMCA2 400H-2	2	315	2980	93,9	86,0	75,1	68,2	700	103	70	200	5.0	2900
HMCA2 400H1-2	2	355	2980	94,1	86,0	84,4	76,8	700	116	70	200	5.5	3000
HMCA2 400H2-2	2	400	2980	94,5	86,0	94,7	86,1	700	131	70	200	6.0	3100
HMCA2 400H3-2	2	450	2980	94,7	86,0	106,3	96,7	700	147	70	200	7.0	3200
HMCA2 450H-2	2	500	2982	95,0	87,0	116,4	105,8	700	163	70	200	11	3500
HMCA2 450H1-2	2	560	2982	95,1	87,0	130,3	118,4	700	183	70	200	12	3600
HMCA2 450H2-2	2	630	2982	95,2	87,0	146,4	133,1	700	206	70	200	13	3700
HMCA2 450H3-2	2	710	2982	95,3	87,0	164,8	149,8	700	232	70	200	14	3850
HMCA2 500H-2	2	800	2982	95,6	88,0	183,0	166,4	700	261	70	200	17	5780
HMCA2 500H1-2	2	900	2982	95,7	88,0	205,7	187,0	700	294	70	200	19	6050
HMCA2 500H2-2	2	1000	2982	95,8	88,0	228,3	207,5	700	327	70	200	21	6320
HMCA2 500H3-2	2	1120	2982	95,9	88,0	255,4	232,2	700	366	70	200	23	6600
HMCA2 560H-2	2	1250	2985	96,1	89,0	281,3	255,7	700	408	70	200	24	8400
HMCA2 560H1-2	2	1400	2985	96,2	89,0	314,7	286,1	700	457	70	200	30	8800
HMCA2 560H2-2	2	1600	2985	96,3	89,0	359,3	326,6	700	522	70	200	33	9200

2 pole 40° - 6000 V

Motor type	Pole	Rated Power	Rated Speed	Efficiency	Power Factor	Current			Torque			Moment of inertia (J)	Approx Weight
						Full Load 6kV	Full Load 6,6 kV	Locked Rotor	Full Load	Locked Rotor	Pull Out		
		kW	RPM	%	%	A	A	%FLC	kg-m	%FLT	%FLT	kg-m²	kg

HMCA2 6000 V, 50 Hz, ambient temperature 40°

HMCA2 355H-2	2	185	2980	93,0	84,0	22,8	20,7	700	60	70	200	2.6	1900
HMCA2 355H1-2	2	200	2980	93,2	84,0	24,6	22,3	700	65	70	200	2.8	2000
HMCA2 355H2-2	2	220	2980	93,3	84,0	27,0	24,6	700	72	70	200	3.0	2100
HMCA2 355H3-2	2	250	2980	93,4	84,0	30,7	27,9	700	82	70	200	3.3	2200
HMCA2 355H4-2	2	280	2980	93,6	86,0	33,5	30,4	700	92	70	200	3.5	2350
HMCA2 400H-2	2	315	2980	93,9	86,0	37,5	34,1	700	103	70	200	5.0	2900
HMCA2 400H1-2	2	355	2980	94,1	86,0	42,2	38,4	700	116	70	200	5.5	3000
HMCA2 400H2-2	2	400	2980	94,5	86,0	47,4	43,1	700	131	70	200	6.0	3100
HMCA2 400H3-2	2	450	2980	94,7	86,0	53,2	48,3	700	147	70	200	7.0	3200
HMCA2 450H-2	2	500	2982	95,0	87,0	58,2	52,9	700	163	70	200	11	3500
HMCA2 450H1-2	2	560	2982	95,1	87,0	65,1	59,2	700	183	70	200	12	3600
HMCA2 450H2-2	2	630	2982	95,2	87,0	73,2	66,5	700	206	70	200	13	3700
HMCA2 450H3-2	2	710	2982	95,3	87,0	82,4	74,9	700	232	70	200	14	3850
HMCA2 500H-2	2	800	2982	95,6	88,0	91,5	83,2	700	261	70	200	17	5780
HMCA2 500H1-2	2	900	2982	95,7	88,0	102,8	93,5	700	294	70	200	19	6050
HMCA2 500H2-2	2	1000	2982	95,8	88,0	114,1	103,8	700	327	70	200	21	6320
HMCA2 500H3-2	2	1120	2982	95,9	88,0	127,7	116,1	700	366	70	200	23	6600
HMCA2 560H-2	2	1250	2985	96,1	89,0	140,6	127,9	700	408	70	200	24	8400
HMCA2 560H1-2	2	1400	2985	96,2	89,0	157,3	143,0	700	457	70	200	30	8800
HMCA2 560H2-2	2	1600	2985	96,3	89,0	179,6	163,3	700	522	70	200	33	9200

2 pole 40°
- 10,000 V

Motor type	Pole	Rated Power	Rated Speed	Efficiency	Power Factor	Current			Torque			Moment of inertia (J)	Approx Weight
						Full Load 10kV	Full Load 11kV	Locked Rotor	Full Load	Locked Rotor	Pull Out		
		kW	RPM	%	%	A	A	%FLC	kg-m	%FLT	%FLT	kg-m²	kg

HMCA2 10,000 V, 50 Hz, ambient temperature 40°

HMCA2 400H-2	2	220	2980	93,3	84	16,2	14,7	700	72	70	200	5.0	2900
HMCA2 400H1-2	2	250	2980	93,4	84	18,4	16,7	700	82	70	200	5.5	3000
HMCA2 400H2-2	2	280	2980	93,6	85	20,3	18,5	700	92	70	200	6.0	3100
HMCA2 400H3-2	2	315	2980	93,9	85	22,8	20,7	700	103	70	200	7.0	3200
HMCA2 450H-2	2	355	2982	94,1	86	25,3	23,0	700	116	70	200	11	3500
HMCA2 450H1-2	2	400	2982	94,5	86	28,4	25,8	700	131	70	200	12	3600
HMCA2 450H2-2	2	450	2982	94,7	86	31,9	29,0	700	147	70	200	13	3700
HMCA2 450H3-2	2	500	2982	95,0	86	35,3	32,1	700	163	70	200	14	3850
HMCA2 500H-2	2	560	2985	95,1	87	39,1	35,5	700	183	70	200	15	5500
HMCA2 500H1-2	2	630	2985	95,2	87	43,9	39,9	700	206	70	200	17	5780
HMCA2 500H2-2	2	710	2985	95,3	87	49,4	44,9	700	232	70	200	19	6050
HMCA2 500H3-2	2	800	2985	95,6	88	54,9	49,9	700	261	70	200	21	6320
HMCA2 500H4-2	2	900	2985	95,7	88	61,7	56,1	700	294	70	200	23	6600
HMCA2 560H-2	2	900	2985	95,7	88	61,7	56,1	700	294	70	200	26	8200
HMCA2 560H1-2	2	1000	2985	95,8	88	68,5	62,3	700	326	70	200	30	8650
HMCA2 560H2-2	2	1120	2985	95,9	88	76,6	69,7	700	366	70	200	34	9100
HMCA2 560H3-2	2	1250	2985	96,1	89	84,4	76,7	700	408	70	200	30	9500

4 pole 40° - 3000 V

Motor type	Pole	Rated Power	Rated Speed	Efficiency	Power Factor	Current			Torque			Moment of inertia (J)	Approx Weight
						Full Load 3kV	Full Load 3.3kV	Locked Rotor	Full Load	Locked Rotor	Pull Out		
		kW	RPM	%	%	A	A	%FLC	kg-m	%FLT	%FLT	kg-m ²	kg

HMCA2 3000 V, 50 Hz, ambient temperature 40°

HMCA2 355H-4	4	185	1485	93,4	84,0	45,4	41,3	650	121	80	200	6,0	1900
HMCA2 355H1-4	4	200	1485	93,6	84,0	49,0	44,5	650	131	80	200	7.0	2000
HMCA2 355H2-4	4	220	1485	93,7	84,0	53,8	48,9	650	144	80	200	8.0	2100
HMCA2 355H3-4	4	250	1485	93,8	84,0	61,1	55,5	650	164	80	200	9.0	2200
HMCA2 355H4-4	4	280	1485	93,9	84,0	68,3	62,1	650	184	80	200	10	2300
HMCA2 400H-4	4	315	1485	94,1	85,0	75,8	68,9	650	207	80	200	11	3000
HMCA2 400H1-4	4	355	1485	94,3	85,0	85,2	77,5	650	233	80	200	12	3100
HMCA2 400H2-4	4	400	1485	94,4	85,0	95,9	87,2	650	262	80	200	13	3200
HMCA2 400H3-4	4	450	1485	94,6	85,0	107,7	97,9	650	295	80	200	14	3300
HMCA2 450H-4	4	500	1485	94,8	86,0	118,0	107,3	650	328	80	200	22	3600
HMCA2 450H1-4	4	560	1485	95,0	86,0	131,9	119,9	650	367	80	200	24	3700
HMCA2 450H2-4	4	630	1485	95,2	86,0	148,1	134,6	650	413	80	200	26	3800
HMCA2 450H3-4	4	710	1485	95,4	86,0	166,5	151,4	650	466	80	200	28	3950
HMCA2 500H-4	4	800	1488	95,5	86,0	187,5	170,4	650	524	80	200	41	5820
HMCA2 500H1-4	4	900	1488	95,6	86,0	210,7	191,5	650	589	80	200	44	6100
HMCA2 500H2-4	4	1000	1488	95,7	86,0	233,8	212,6	650	655	80	200	47	6280
HMCA2 500H3-4	4	1120	1488	95,8	86,0	261,6	237,8	650	733	80	200	50	6420
HMCA2 560H-4	4	1250	1488	96,0	87,0	288,0	261,9	650	819	70	200	70	8020
HMCA2 560H1-4	4	1400	1488	96,0	87,0	322,6	293,3	650	917	70	200	74	8390
HMCA2 560H2-4	4	1600	1488	96,1	87,0	368,3	334,8	650	1048	70	200	78	8750
HMCA2 560H3-4	4	1800	1488	96,2	87,0	413,9	376,3	650	1179	70	200	82	9100

4 pole 40°
- 6000 V

Motor type	Pole	Rated Power	Rated Speed	Efficiency	Power Factor	Current			Torque			Moment of inertia (J)	Approx Weight
						Full Load 6kV	Full Load 6,6kV	Locked Rotor	Full Load	Locked Rotor	Pull Out		
		kW	RPM	%	%	A	A	%FLC	kg-m	%FLT	%FLT	kg-m²	kg

HMCA2 6000 V, 50 Hz, ambient temperature 40°

HMCA2 355H-4	4	185	1485	93,4	84,0	22,7	20,6	650	121	80	200	6,0	1900
HMCA2 355H1-4	4	200	1485	93,6	84,0	24,5	22,3	650	131	80	200	7,0	2000
HMCA2 355H2-4	4	220	1485	93,7	84,0	26,9	24,5	650	144	80	200	8,0	2100
HMCA2 355H3-4	4	250	1485	93,8	84,0	30,5	27,8	650	164	80	200	9,0	2200
HMCA2 355H4-4	4	280	1485	93,9	84,0	34,2	31,1	650	184	80	200	10	2300
HMCA2 400H-4	4	315	1485	94,1	85,0	37,9	34,5	650	207	80	200	11	3000
HMCA2 400H1-4	4	355	1485	94,3	85,0	42,6	38,7	650	233	80	200	12	3100
HMCA2 400H2-4	4	400	1485	94,4	85,0	48,0	43,6	650	262	80	200	13	3200
HMCA2 400H3-4	4	450	1485	94,6	85,0	53,9	49,0	650	295	80	200	14	3300
HMCA2 450H-4	4	500	1485	94,8	86,0	59,0	53,7	650	328	80	200	22	3600
HMCA2 450H1-4	4	560	1485	95,0	86,0	66,0	60,0	650	367	80	200	24	3700
HMCA2 450H2-4	4	630	1485	95,2	86,0	74,0	67,3	650	413	80	200	26	3800
HMCA2 450H3-4	4	710	1485	95,4	86,0	83,3	75,7	650	466	80	200	28	3950
HMCA2 500H-4	4	800	1488	95,5	86,0	93,7	85,2	650	524	80	200	41	5820
HMCA2 500H1-4	4	900	1488	95,6	86,0	105,3	95,8	650	589	80	200	44	6100
HMCA2 500H2-4	4	1000	1488	95,7	86,0	116,9	106,3	650	655	80	200	47	6280
HMCA2 500H3-4	4	1120	1488	95,8	86,0	130,8	118,9	650	733	80	200	50	6420
HMCA2 560H-4	4	1250	1488	96,0	87,0	144,0	130,9	650	819	70	200	70	8020
HMCA2 560H1-4	4	1400	1488	96,0	87,0	161,3	146,6	650	917	70	200	74	8390
HMCA2 560H2-4	4	1600	1488	96,1	87,0	184,2	167,4	650	1048	70	200	78	8750
HMCA2 560H3-4	4	1800	1488	96,2	87,0	207,0	188,1	650	1179	70	200	82	9100

4 pole 40° - 10,000 V

Motor type	Pole	Rated Power	Rated Speed	Efficiency	Power Factor	Current			Torque			Moment of inertia (J)	Approx Weight
						Full Load 10kV	Full Load 11kV	Locked Rotor	Full Load	Locked Rotor	Pull Out		
		kW	RPM	%	%	A	A	%FLC	kg-m	%FLT	%FLT	kg-m²	kg

HMCA2 10,000 V, 50 Hz, ambient temperature 40°

HMCA2 400H-4	4	220	1482	93,7	84	16,1	14,7	650	145	80	200	11	3000
HMCA2 400H1-4	4	250	1482	93,8	84	18,3	16,7	650	164	80	200	12	3100
HMCA2 400H2-4	4	280	1482	93,9	84	20,5	18,6	650	184	80	200	13	3200
HMCA2 400H3-4	4	315	1482	94,1	84	23,0	20,9	650	207	80	200	14	3300
HMCA2 450H-4	4	355	1485	94,3	85	25,6	23,2	650	233	80	200	20	3500
HMCA2 450H1-4	4	400	1485	94,4	85	28,8	26,2	650	262	80	200	22	3600
HMCA2 450H2-4	4	450	1485	94,6	85	32,3	29,4	650	295	80	200	24	3700
HMCA2 450H3-4	4	500	1485	94,8	86	35,4	32,2	650	328	80	200	26	3800
HMCA2 450H4-4	4	560	1485	95,0	86	39,6	36,0	650	367	80	200	28	3950
HMCA2 500H-4	4	630	1488	95,2	86	44,4	40,4	650	413	80	200	41	5820
HMCA2 500H1-4	4	710	1488	95,4	86	50,0	45,4	650	465	80	200	44	6100
HMCA2 500H2-4	4	800	1488	95,5	87	55,6	50,5	650	524	80	200	47	6280
HMCA2 500H3-4	4	900	1488	95,6	87	62,5	56,8	650	589	80	200	50	6420
HMCA2 560H-4	4	1000	1488	95,7	86	70,2	63,8	650	655	70	200	70	8020
HMCA2 560H1-4	4	1120	1488	95,8	86	78,5	71,4	650	733	70	200	74	8390
HMCA2 560H2-4	4	1250	1488	96,0	87	86,4	78,6	650	819	70	200	78	8750
HMCA2 560H3-4	4	1400	1488	96,0	87	96,8	88,0	650	917	70	200	82	9100

6 pole 40°
- 3000 V

Motor type	Pole	Rated Power	Rated Speed	Efficiency	Power Factor	Current			Torque			Moment of inertia (J)	Approx Weight
						Full Load 3kV	Full Load 3.3kV	Locked Rotor	Full Load	Locked Rotor	Pull Out		
		kW	RPM	%	%	A	A	%FLC	kg-m	%FLT	%FLT	kg-m²	kg

HMCA2 3000 V, 50 Hz, ambient temperature 40°

HMCA2 355H-6	6	160	985	93,0	80,0	41,4	37,6	600	158	80	200	9.0	2200
HMCA2 355H1-6	6	185	985	93,2	80,0	47,8	43,4	600	183	80	200	10	2300
HMCA2 355H2-6	6	200	985	93,4	80,0	51,5	46,8	600	198	80	200	11	2400
HMCA2 400H-6	6	220	988	93,5	82,0	55,2	50,2	600	217	80	200	14	2900
HMCA2 400H1-6	6	250	988	93,7	82,0	62,6	56,9	600	247	80	200	16	3000
HMCA2 400H2-6	6	280	988	93,9	82,0	70,0	63,6	600	276	80	200	18	3200
HMCA2 400H3-6	6	315	988	94,2	82,0	78,5	71,3	600	311	80	200	20	3400
HMCA2 450H-6	6	355	988	94,4	83,0	87,2	79,3	600	350	80	200	28	3500
HMCA2 450H1-6	6	400	988	94,4	83,0	98,3	89,3	600	395	80	200	30	3600
HMCA2 450H2-6	6	450	988	94,7	83,0	110,2	100,2	600	444	80	200	32	3700
HMCA2 450H3-6	6	500	988	95,0	83,0	122,0	110,9	600	493	80	200	34	3820
HMCA2 500H-6	6	560	990	95,1	83,0	136,5	124,1	600	551	80	200	54	5610
HMCA2 500H1-6	6	630	990	95,2	83,0	153,4	139,5	600	620	80	200	58	5790
HMCA2 500H2-6	6	710	990	95,4	83,0	172,6	156,9	600	699	80	200	62	6010
HMCA2 500H3-6	6	800	990	95,5	83,0	194,2	176,6	600	787	80	200	66	6230
HMCA2 560H-6	6	900	990	95,6	84,0	215,7	196,1	600	886	70	200	94	7650
HMCA2 560H1-6	6	1000	990	95,7	84,0	239,4	217,6	600	984	70	200	102	7950
HMCA2 560H2-6	6	1120	990	95,8	84,0	267,9	243,5	600	1102	70	200	110	8250
HMCA2 560H3-6	6	1250	990	96,0	84,0	298,3	271,2	600	1230	70	200	118	8550

6 pole 40° - 6000 & 10,000 V

Motor type	Pole	Rated Power	Rated Speed	Efficiency	Power Factor	Current			Torque			Moment of inertia (J)	Approx Weight
						Full Load 6/10kV	Full Load 6,6/11kV	Locked Rotor	Full Load	Locked Rotor	Pull Out		
						A	A	%FLC	kg-m	%FLT	%FLT		

HMCA2 6000 V, 50 Hz, ambient temperature 40°

HMCA2 355H-6	6	160	985	93,0	80,0	20,7	18,8	600	158	80	200	9.0	2200
HMCA2 355H1-6	6	185	985	93,2	80,0	23,9	21,7	600	183	80	200	10	2300
HMCA2 355H2-6	6	200	985	93,4	80,0	25,8	23,4	600	198	80	200	11	2400
HMCA2 400H-6	6	220	988	93,5	82,0	27,6	25,1	600	217	80	200	14	2900
HMCA2 400H1-6	6	250	988	93,7	82,0	31,3	28,5	600	247	80	200	16	3000
HMCA2 400H2-6	6	280	988	93,9	82,0	35,0	31,8	600	276	80	200	18	3200
HMCA2 400H3-6	6	315	988	94,2	82,0	39,2	35,7	600	311	80	200	20	3400
HMCA2 450H-6	6	355	988	94,4	83,0	43,6	39,6	600	350	80	200	28	3500
HMCA2 450H1-6	6	400	988	94,4	83,0	49,1	44,7	600	395	80	200	30	3600
HMCA2 450H2-6	6	450	988	94,7	83,0	55,1	50,1	600	444	80	200	32	3700
HMCA2 450H3-6	6	500	988	95,0	83,0	61,0	55,5	600	493	80	200	34	3820
HMCA2 500H-6	6	560	990	95,1	83,0	68,3	62,1	600	551	80	200	54	5610
HMCA2 500H1-6	6	630	990	95,2	83,0	76,7	69,7	600	620	80	200	58	5790
HMCA2 500H2-6	6	710	990	95,4	83,0	86,3	78,4	600	699	80	200	62	6010
HMCA2 500H3-6	6	800	990	95,5	83,0	97,1	88,3	600	787	80	200	66	6230
HMCA2 560H-6	6	900	990	95,6	84,0	107,8	98,0	600	886	70	200	94	7650
HMCA2 560H1-6	6	1000	990	95,7	84,0	119,7	108,8	600	984	70	200	102	7950
HMCA2 560H2-6	6	1120	990	95,8	84,0	133,9	121,8	600	1102	70	200	110	8250
HMCA2 560H3-6	6	1250	990	96,0	84,0	149,2	135,6	600	1230	70	200	118	8550

HMCA2 10,000 V, 50 Hz, ambient temperature 40°

HMCA2 450H-6	6	220	985	93,5	82	16,6	15,1	600	218	80	200	26	3400
HMCA2 450H1-6	6	250	985	93,7	82	18,8	17,1	600	247	80	200	28	3500
HMCA2 450H2-6	6	280	985	93,9	82	21,0	19,1	600	277	80	200	30	3600
HMCA2 450H3-6	6	315	985	94,2	82	23,5	21,4	600	312	80	200	32	3700
HMCA2 450H4-6	6	355	985	94,4	82	26,5	24,1	600	351	80	200	34	3820
HMCA2 500H-6	6	400	985	94,4	83	29,5	26,8	600	396	80	200	50	5450
HMCA2 500H1-6	6	450	988	94,7	83	33,1	30,0	600	444	80	200	54	5610
HMCA2 500H2-6	6	500	988	95,0	83	36,6	33,3	600	493	80	200	58	5790
HMCA2 500H3-6	6	560	990	95,1	83	41,0	37,2	600	551	80	200	62	6010
HMCA2 500H4-6	6	630	990	95,2	83	46,0	41,8	600	620	80	200	66	6230
HMCA2 560H-6	6	710	992	95,4	83	51,8	47,1	600	697	70	200	87	7400
HMCA2 560H1-6	6	800	992	95,5	83	58,3	53,0	600	786	70	200	94	7650
HMCA2 560H2-6	6	900	992	95,6	84	64,7	58,8	600	884	70	200	102	7950
HMCA2 560H3-6	6	1000	992	95,7	84	71,8	65,3	600	982	70	200	110	8250
HMCA2 560H4-6	6	1120	992	95,8	84	80,4	73,1	600	1100	70	200	118	8550

8 pole 40°
- 3000 V

Motor type	Pole	Rated Power	Rated Speed	Efficiency	Power Factor	Current			Torque			Moment of inertia (J)	Approx Weight
						Full Load 3kV	Full Load 3.3kV	Locked Rotor	Full Load	Locked Rotor	Pull Out		
		kW	RPM	%	%	A	A	%FLC	kg-m	%FLT	%FLT	kg-m²	kg

HMCA2 3000 V, 50 Hz, ambient temperature 40°

HMCA2 400H-8	8	160	738	92,9	76,0	43,6	39,6	550	211	80	200	15	3000
HMCA2 400H1-8	8	185	738	93,1	76,0	50,3	45,7	550	244	80	200	16	3100
HMCA2 400H2-8	8	200	738	93,3	77,0	53,6	48,7	550	264	80	200	18	3200
HMCA2 400H3-8	8	220	738	93,4	77,0	58,9	53,5	550	290	80	200	20	3300
HMCA2 450H-8	8	250	740	93,5	78,0	66,0	60,0	550	329	80	200	28	3500
HMCA2 450H1-8	8	280	740	93,7	78,0	73,7	67,0	550	369	80	200	30	3600
HMCA2 450H2-8	8	315	740	93,9	78,0	82,8	75,2	550	415	80	200	32	3700
HMCA2 450H3-8	8	355	740	94,0	78,0	93,2	84,7	550	467	80	200	34	3820
HMCA2 500H-8	8	400	742	94,2	79,0	103,4	94,0	550	525	80	200	54	5250
HMCA2 500H1-8	8	450	742	94,3	79,0	116,3	105,7	550	591	80	200	58	5490
HMCA2 500H2-8	8	500	742	94,8	80,0	126,9	115,3	550	657	80	200	62	5750
HMCA2 500H3-8	8	560	742	94,9	80,0	142,0	129,1	550	735	80	200	66	6020
HMCA2 560H-8	8	630	745	95,0	81,0	157,6	143,2	550	824	70	200	96	7000
HMCA2 560H1-8	8	710	745	95,0	81,0	177,6	161,4	550	929	70	200	105	7350
HMCA2 560H2-8	8	800	745	95,2	81,0	199,7	181,5	550	1046	70	200	110	7700
HMCA2 560H3-8	8	900	745	95,3	81,0	224,4	204,0	550	1177	70	200	116	8100

8 pole 40° - 6000 & 10,000 V

Motor type	Pole	Rated Power	Rated Speed	Efficiency	Power Factor	Current			Torque			Moment of inertia (J)	Approx Weight
						Full Load 6/10kV	Full Load 6,6/11kV	Locked Rotor	Full Load	Locked Rotor	Pull Out		
		kW	RPM	%	%	A	A	%FLC	kg-m	%FLT	%FLT	kg-m²	kg

HMCA2 6000 V, 50 Hz, ambient temperature 40°

HMCA2 400H-8	8	160	738	92,9	76,0	21,8	19,8	550	211	80	200	15	3000
HMCA2 400H1-8	8	185	738	93,1	76,0	25,2	22,9	550	244	80	200	16	3100
HMCA2 400H2-8	8	200	738	93,3	77,0	26,8	24,4	550	264	80	200	18	3200
HMCA2 400H3-8	8	220	738	93,4	77,0	29,4	26,8	550	290	80	200	20	3300
HMCA2 450H-8	8	250	740	93,5	78,0	33,0	30,0	550	329	80	200	28	3500
HMCA2 450H1-8	8	280	740	93,7	78,0	36,9	33,5	550	369	80	200	30	3600
HMCA2 450H2-8	8	315	740	93,9	78,0	41,4	37,6	550	415	80	200	32	3700
HMCA2 450H3-8	8	355	740	94,0	78,0	46,6	42,4	550	467	80	200	34	3820
HMCA2 500H-8	8	400	742	94,2	79,0	51,7	47,0	550	525	80	200	54	5250
HMCA2 500H1-8	8	450	742	94,3	79,0	58,1	52,8	550	591	80	200	58	5490
HMCA2 500H2-8	8	500	742	94,8	80,0	63,4	57,7	550	657	80	200	62	5750
HMCA2 500H3-8	8	560	742	94,9	80,0	71,0	64,5	550	735	80	200	66	6020
HMCA2 560H-8	8	630	745	95,0	81,0	78,8	71,6	550	824	70	200	96	7000
HMCA2 560H1-8	8	710	745	95,0	81,0	88,8	80,7	550	929	70	200	105	7350
HMCA2 560H2-8	8	800	745	95,2	81,0	99,8	90,8	550	1046	70	200	110	7700
HMCA2 560H3-8	8	900	745	95,3	81,0	112,2	102,0	550	1177	70	200	116	8100

HMCA2 10,000 V, 50 Hz, ambient temperature 40°

HMCA2 450H-8	8	220	740	93,4	78	17,4	15,9	550	290	80	200	30	3600
HMCA2 450H1-8	8	250	740	93,5	78	19,8	18,0	550	329	80	200	32	3700
HMCA2 450H2-8	8	280	740	93,7	78	22,1	20,1	550	369	80	200	34	3820
HMCA2 500H-8	8	315	742	93,9	78	24,8	22,6	550	414	80	200	54	5250
HMCA2 500H1-8	8	355	742	94,0	78	28,0	25,4	550	466	80	200	58	5490
HMCA2 500H2-8	8	400	742	94,2	79	31,0	28,2	550	525	80	200	62	5750
HMCA2 500H3-8	8	450	742	94,3	79	34,9	31,7	550	591	80	200	66	6020
HMCA2 560H-8	8	500	745	94,8	80	38,1	34,6	550	654	70	200	88	6650
HMCA2 560H1-8	8	560	745	94,9	80	42,6	38,7	550	733	70	200	96	7000
HMCA2 560H2-8	8	630	745	95,0	81	47,3	43,0	550	824	70	200	105	7350
HMCA2 560H3-8	8	710	745	95,0	81	53,3	48,4	550	929	70	200	110	7700
HMCA2 560H4-8	8	800	745	95,2	81	59,9	54,5	550	1046	70	200	116	8100

2 pole 50°
- 3000 V

Motor type	Pole	Rated Power	Rated Speed	Efficiency	Power Factor	Current			Torque			Moment of inertia (J)	Approx Weight
						Full Load 3kV	Full Load 3.3kV	Locked Rotor	Full Load	Locked Rotor	Pull Out		
		kW	RPM	%	%	A	A	%FLC	kg-m	%FLT	%FLT	kg-m²	kg

HMCA2 3000 V, 50 Hz, ambient temperature 50°

HMCA2 355H-2	2	160	2980	92,9	84,0	39,5	35,9	700	52	70	200	2.6	1900
HMCA2 355H1-2	2	185	2980	93,0	84,0	45,6	41,4	700	60	70	200	2.8	2000
HMCA2 355H2-2	2	200	2980	93,2	84,0	49,2	44,7	700	65	70	200	3.0	2100
HMCA2 355H3-2	2	220	2980	93,3	84,0	54,0	49,1	700	72	70	200	3.3	2200
HMCA2 355H4-2	2	250	2980	93,4	86,0	59,9	54,5	700	82	70	200	3.5	2350
HMCA2 400H-2	2	280	2980	93,6	86,0	66,9	60,9	700	92	70	200	5.0	2900
HMCA2 400H1-2	2	315	2980	93,9	86,0	75,1	68,2	700	103	70	200	5.5	3000
HMCA2 400H2-2	2	355	2980	94,4	86,0	83,0	75,4	700	114	70	200	6.0	3100
HMCA2 400H3-2	2	400	2980	94,5	86,0	94,7	86,1	700	131	70	200	7.0	3200
HMCA2 450H-2	2	450	2982	94,7	87,0	105,1	95,6	700	147	70	200	11	3500
HMCA2 450H1-2	2	500	2982	95,0	87,0	116,4	105,8	700	163	70	200	12	3600
HMCA2 450H2-2	2	560	2982	95,1	87,0	130,3	118,4	700	183	70	200	13	3700
HMCA2 450H3-2	2	630	2982	95,2	87,0	146,4	133,1	700	206	70	200	14	3850
HMCA2 500H-2	2	710	2982	95,3	88,0	162,9	148,1	700	232	70	200	17	5780
HMCA2 500H1-2	2	800	2982	95,6	88,0	183,0	166,4	700	261	70	200	19	6050
HMCA2 500H2-2	2	900	2982	95,7	88,0	205,7	187,0	700	294	70	200	21	6320
HMCA2 500H3-2	2	1000	2982	95,8	88,0	228,3	207,5	700	327	70	200	23	6600
HMCA2 560H-2	2	1120	2985	96,1	89,0	252,0	229,1	700	366	70	200	24	8400
HMCA2 560H1-2	2	1250	2985	96,2	89,0	281,0	255,4	700	408	70	200	30	8800
HMCA2 560H2-2	2	1400	2985	96,3	89,0	314,4	285,8	700	457	70	200	33	9200

2 pole 50° - 6000 V

Motor type	Pole	Rated Power	Rated Speed	Efficiency	Power Factor	Current			Torque			Moment of inertia (J)	Approx Weight
						Full Load 6kV	Full Load 6,6kV	Locked Rotor	Full Load	Locked Rotor	Pull Out		
		kW	RPM	%	%	A	A	%FLC	kg-m	%FLT	%FLT	kg-m²	kg

HMCA2 6000 V, 50 Hz, ambient temperature 50°

HMCA2 355H-2	2	160	2980	92,9	84,0	19,7	17,9	700	52	70	200	2.6	1900
HMCA2 355H1-2	2	185	2980	93,0	84,0	22,8	20,7	700	60	70	200	2.8	2000
HMCA2 355H2-2	2	200	2980	93,2	84,0	24,6	22,3	700	65	70	200	3.0	2100
HMCA2 355H3-2	2	220	2980	93,3	84,0	27,0	24,6	700	72	70	200	3.3	2200
HMCA2 355H4-2	2	250	2980	93,4	86,0	29,9	27,2	700	82	70	200	3.5	2350
HMCA2 400H-2	2	280	2980	93,6	86,0	33,5	30,4	700	92	70	200	5.0	2900
HMCA2 400H1-2	2	315	2980	93,9	86,0	37,5	34,1	700	103	70	200	5.5	3000
HMCA2 400H2-2	2	355	2980	94,4	86,0	41,5	37,7	700	114	70	200	6.0	3100
HMCA2 400H3-2	2	400	2980	94,5	86,0	47,4	43,1	700	131	70	200	7.0	3200
HMCA2 450H-2	2	450	2982	94,7	87,0	52,6	47,8	700	147	70	200	11	3500
HMCA2 450H1-2	2	500	2982	95,0	87,0	58,2	52,9	700	163	70	200	12	3600
HMCA2 450H2-2	2	560	2982	95,1	87,0	65,1	59,2	700	183	70	200	13	3700
HMCA2 450H3-2	2	630	2982	95,2	87,0	73,2	66,5	700	206	70	200	14	3850
HMCA2 500H-2	2	710	2982	95,3	88,0	81,5	74,1	700	232	70	200	17	5780
HMCA2 500H1-2	2	800	2982	95,6	88,0	91,5	83,2	700	261	70	200	19	6050
HMCA2 500H2-2	2	900	2982	95,7	88,0	102,8	93,5	700	294	70	200	21	6320
HMCA2 500H3-2	2	1000	2982	95,8	88,0	114,1	103,8	700	327	70	200	23	6600
HMCA2 560H-2	2	1120	2985	96,1	89,0	126,0	114,6	700	408	70	200	24	8400
HMCA2 560H1-2	2	1250	2985	96,2	89,0	140,5	127,7	700	457	70	200	30	8800
HMCA2 560H2-2	2	1400	2985	96,3	89,0	157,2	142,9	700	522	70	200	33	9200

2 pole 50°
- 10,000 V

Motor type	Pole	Rated Power	Rated Speed	Efficiency	Power Factor	Current			Torque			Moment of inertia (J)	Approx Weight
						Full Load 10kV	Full Load 11kV	Locked Rotor	Full Load	Locked Rotor	Pull Out		
		kW	RPM	%	%	A	A	%FLC	kg-m	%FLT	%FLT	kg-m²	kg

HMCA2 10,000V, 50 Hz, ambient temperature 50°

HMCA2 400H-2	2	200	2980	93,2	84	14,7	13,4	700	65	70	200	5.0	2900
HMCA2 400H1-2	2	220	2980	93,3	84	16,2	14,7	700	72	70	200	5.5	3000
HMCA2 400H2-2	2	250	2980	93,4	85	18,2	16,5	700	82	70	200	6.0	3100
HMCA2 400H3-2	2	280	2980	93,6	85	20,3	18,5	700	92	70	200	7.0	3200
HMCA2 450H-2	2	315	2982	93,9	86	22,5	20,5	700	103	70	200	11	3500
HMCA2 450H1-2	2	355	2982	94,1	86	25,0	22,7	700	114	70	200	12	3600
HMCA2 450H2-2	2	400	2982	94,5	86	28,4	25,8	700	131	70	200	13	3700
HMCA2 450H3-2	2	450	2982	94,7	86	31,9	29,0	700	147	70	200	14	3850
HMCA2 500H-2	2	500	2985	95,0	87	34,9	31,8	700	163	70	200	15	5500
HMCA2 500H1-2	2	560	2985	95,1	87	39,1	35,5	700	183	70	200	17	5780
HMCA2 500H2-2	2	630	2985	95,2	87	43,9	39,9	700	206	70	200	19	6050
HMCA2 500H3-2	2	710	2985	95,3	88	48,9	44,4	700	232	70	200	21	6320
HMCA2 500H4-2	2	800	2985	95,6	88	54,9	49,9	700	261	70	200	23	6600
HMCA2 560H-2	2	800	2985	95,7	88	61,7	56,1	700	294	70	200	26	8200
HMCA2 560H1-2	2	900	2985	95,8	88	68,5	62,3	700	326	70	200	30	8650
HMCA2 560H2-2	2	1000	2985	95,9	88	76,6	69,7	700	366	70	200	34	9100
HMCA2 560H3-2	2	1120	2985	96,1	89	84,4	76,7	700	408	70	200	30	9500

4 pole 50° - 3000 V

Motor type	Pole	Rated Power	Rated Speed	Efficiency	Power Factor	Current			Torque			Moment of inertia (J)	Approx Weight
						Full Load 3kV	Full Load 3.3kV	Locked Rotor	Full Load	Locked Rotor	Pull Out		
		kW	RPM	%	%	A	A	%FLC	kg-m	%FLT	%FLT	kg-m ²	kg

HMCA2 3000 V, 50 Hz, ambient temperature 50°

HMCA2 355H-4	4	160	1485	93,3	84,0	39,3	35,7	650	105	80	200	6,0	1900
HMCA2 355H1-4	4	185	1485	93,4	84,0	45,4	41,3	650	121	80	200	7.0	2000
HMCA2 355H2-4	4	200	1485	93,6	84,0	49,0	44,5	650	131	80	200	8.0	2100
HMCA2 355H3-4	4	220	1485	93,7	84,0	53,8	48,9	650	144	80	200	9.0	2200
HMCA2 355H4-4	4	250	1485	93,8	84,0	61,1	55,5	650	164	80	200	10	2300
HMCA2 400H-4	4	280	1485	94,0	85,0	67,4	61,3	650	184	80	200	11	3000
HMCA2 400H1-4	4	315	1485	94,1	85,0	75,8	68,9	650	207	80	200	12	3100
HMCA2 400H2-4	4	355	1485	94,2	85,0	84,1	76,5	650	230	80	200	13	3200
HMCA2 400H3-4	4	400	1485	94,4	85,0	95,9	87,2	650	262	80	200	14	3300
HMCA2 450H-4	4	450	1485	94,6	86,0	106,5	96,8	650	295	80	200	22	3600
HMCA2 450H1-4	4	500	1485	94,8	86,0	118,0	107,3	650	328	80	200	24	3700
HMCA2 450H2-4	4	560	1485	95,0	86,0	131,9	119,9	650	367	80	200	26	3800
HMCA2 450H3-4	4	630	1485	95,2	86,0	148,1	134,6	650	413	80	200	28	3950
HMCA2 500H-4	4	710	1488	95,4	86,0	166,5	151,4	650	465	80	200	41	5820
HMCA2 500H1-4	4	800	1488	95,5	86,0	187,5	170,4	650	524	80	200	44	6100
HMCA2 500H2-4	4	900	1488	95,6	86,0	210,7	191,5	650	589	80	200	47	6280
HMCA2 500H3-4	4	1000	1488	95,7	86,0	233,8	212,6	650	655	80	200	50	6420
HMCA2 560H-4	4	1120	1488	95,9	87,0	258,4	234,9	650	733	70	200	70	8020
HMCA2 560H1-4	4	1250	1488	95,9	87,0	288,3	262,1	650	819	70	200	74	8390
HMCA2 560H2-4	4	1400	1488	96,0	87,0	322,6	293,3	650	917	70	200	78	8750
HMCA2 560H3-4	4	1600	1488	96,1	87,0	368,3	334,8	650	1048	70	200	82	9100

4 pole 50°
- 6000 V

Motor type	Pole	Rated Power	Rated Speed	Efficiency	Power Factor	Current			Torque			Moment of inertia (J)	Approx Weight
						Full Load 6kV	Full Load 6,6kV	Locked Rotor	Full Load	Locked Rotor	Pull Out		
		kW	RPM	%	%	A	A	%FLC	kg-m	%FLT	%FLT	kg-m²	kg

HMCA2 6000 V, 50 Hz, ambient temperature 50°

HMCA2 355H-4	4	160	1485	93,3	84,0	19,6	17,9	650	105	80	200	6,0	1900
HMCA2 355H1-4	4	185	1485	93,4	84,0	22,7	20,6	650	121	80	200	7,0	2000
HMCA2 355H2-4	4	200	1485	93,7	84,0	24,5	22,2	650	131	80	200	8,0	2100
HMCA2 355H3-4	4	220	1485	93,7	84,0	26,9	24,5	650	144	80	200	9,0	2200
HMCA2 355H4-4	4	250	1485	93,8	84,0	30,5	27,8	650	164	80	200	10	2300
HMCA2 400H-4	4	280	1485	94,0	85,0	33,7	30,7	650	184	80	200	11	3000
HMCA2 400H1-4	4	315	1485	94,1	85,0	37,9	34,5	650	207	80	200	12	3100
HMCA2 400H2-4	4	355	1485	94,4	85,0	42,0	38,1	650	230	80	200	13	3200
HMCA2 400H3-4	4	400	1485	94,4	85,0	48,0	43,6	650	262	80	200	14	3300
HMCA2 450H-4	4	450	1485	94,6	86,0	53,2	48,4	650	295	80	200	22	3600
HMCA2 450H1-4	4	475	1485	94,8	86,0	56,1	51,0	650	312	80	200	24	3680
HMCA2 450H1-4	4	500	1485	95,0	86,0	58,9	53,5	650	328	80	200	24	3700
HMCA2 450H2-4	4	560	1485	95,0	86,0	66,0	60,0	650	367	80	200	26	3800
HMCA2 450H3-4	4	630	1485	95,2	86,0	74,0	67,3	650	413	80	200	28	3950
HMCA2 500H-4	4	710	1488	95,4	86,0	83,3	75,7	650	465	80	200	41	5820
HMCA2 500H1-4	4	800	1488	95,5	86,0	93,7	85,2	650	524	80	200	44	6100
HMCA2 500H2-4	4	900	1488	95,6	86,0	105,3	95,8	650	589	80	200	47	6280
HMCA2 500H3-4	4	1000	1488	95,7	86,0	116,9	106,3	650	655	80	200	50	6420
HMCA2 560H-4	4	1120	1488	95,9	87,0	129,2	117,4	650	733	70	200	70	8020
HMCA2 560H1-4	4	1250	1488	95,9	87,0	144,2	131,1	650	819	70	200	74	8390
HMCA2 560H2-4	4	1400	1488	96,0	87,0	161,3	146,6	650	917	70	200	78	8750
HMCA2 560H3-4	4	1600	1488	96,1	87,0	184,2	167,4	650	1048	70	200	82	9100

4 pole 50° - 10,000 V

Motor type	Pole	Rated Power	Rated Speed	Efficiency	Power Factor	Current			Torque			Moment of inertia (J)	Approx Weight
						Full Load 10kV	Full Load 11kV	Locked Rotor	Full Load	Locked Rotor	Pull Out		
		kW	RPM	%	%	A	A	%FLC	kg-m	%FLT	%FLT	kg-m²	kg

HMCA2 10,000 V, 50 Hz, ambient temperature 50°

HMCA2 400H-4	4	200	1482	93,6	84	14,7	13,4	650	132	80	200	11	3000
HMCA2 400H1-4	4	220	1482	93,7	84	16,1	14,7	650	145	80	200	12	3100
HMCA2 400H2-4	4	250	1482	93,8	84	18,3	16,7	650	164	80	200	13	3200
HMCA2 400H3-4	4	280	1482	93,9	84	20,5	18,6	650	184	80	200	14	3300
HMCA2 450H-4	4	315	1485	94,1	85	22,7	20,7	650	207	80	200	20	3500
HMCA2 450H1-4	4	355	1485	94,3	85	25,6	23,2	650	233	80	200	22	3600
HMCA2 450H2-4	4	400	1485	94,4	85	28,8	26,2	650	262	80	200	24	3700
HMCA2 450H3-4	4	450	1485	94,6	86	31,9	29,0	650	295	80	200	26	3800
HMCA2 450H4-4	4	500	1485	94,8	86	35,4	32,2	650	328	80	200	28	3950
HMCA2 500H-4	4	560	1488	95,0	86	39,6	36,0	650	367	80	200	41	5820
HMCA2 500H1-4	4	630	1488	95,2	86	44,4	40,4	650	413	80	200	44	6100
HMCA2 500H2-4	4	710	1488	95,4	87	49,4	44,9	650	465	80	200	47	6280
HMCA2 500H3-4	4	800	1488	95,5	87	55,6	50,5	650	524	80	200	50	6420
HMCA2 560H-4	4	900	1488	95,6	86	63,2	57,5	650	589	70	200	70	8020
HMCA2 560H1-4	4	1000	1488	95,7	86	70,2	63,8	650	655	70	200	74	8390
HMCA2 560H2-4	4	1120	1488	95,8	87	77,6	70,5	650	733	70	200	78	8750
HMCA2 560H3-4	4	1250	1488	96,0	87	86,4	78,6	650	819	70	200	82	9100

6 pole 50°
- 3000 V

Motor type	Pole	Rated Power	Rated Speed	Efficiency	Power Factor	Current			Torque			Moment of inertia (J)	Approx Weight
						Full Load 3kV	Full Load 3.3kV	Locked Rotor	Full Load	Locked Rotor	Pull Out		
		kW	RPM	%	%	A	A	%FLC	kg-m	%FLT	%FLT	kg-m²	kg

HMCA2 3000 V, 50 Hz, ambient temperature 50°

HMCA2 355H-6	6	132	985	92,9	80,0	34,2	31,1	600	131	80	200	9.0	2200
HMCA2 355H1-6	6	160	985	93,0	80,0	41,4	37,6	600	158	80	200	10	2300
HMCA2 355H2-6	6	185	985	93,2	80,0	47,8	43,4	600	183	80	200	11	2400
HMCA2 400H-6	6	200	988	93,4	82,0	50,3	45,7	600	197	80	200	14	2900
HMCA2 400H1-6	6	220	988	93,5	82,0	55,2	50,2	600	217	80	200	16	3000
HMCA2 400H2-6	6	250	988	93,7	82,0	62,6	56,9	600	247	80	200	18	3200
HMCA2 400H3-6	6	280	988	93,9	82,0	70,0	63,6	600	276	80	200	20	3400
HMCA2 450H-6	6	315	988	94,2	83,0	77,5	70,5	600	311	80	200	28	3500
HMCA2 450H1-6	6	355	988	94,2	83,0	86,2	78,3	600	345	80	200	30	3600
HMCA2 450H2-6	6	400	988	94,6	83,0	98,0	89,1	600	395	80	200	32	3700
HMCA2 450H3-6	6	450	988	94,7	83,0	110,2	100,2	600	444	80	200	34	3820
HMCA2 500H-6	6	500	990	95,0	83,0	122,0	110,9	600	492	80	200	54	5610
HMCA2 500H1-6	6	560	990	95,1	83,0	136,5	124,1	600	551	80	200	58	5790
HMCA2 500H2-6	6	630	990	95,2	83,0	153,4	139,5	600	620	80	200	62	6010
HMCA2 500H3-6	6	710	990	95,4	83,0	172,6	156,9	600	699	80	200	66	6230
HMCA2 560H-6	6	800	990	95,5	84,0	191,9	174,5	600	787	70	200	94	7650
HMCA2 560H1-6	6	900	990	95,6	84,0	215,7	196,1	600	886	70	200	102	7950
HMCA2 560H2-6	6	1000	990	95,7	84,0	239,4	217,6	600	984	70	200	110	8250
HMCA2 560H3-6	6	1120	990	95,8	84,0	267,9	243,5	600	1102	70	200	118	8550
HMCA2 560H1-4	4	1250	1488	95,9	87,0	144,2	131,1	650	819	70	200	74	8390
HMCA2 560H2-4	4	1400	1488	96,0	87,0	161,3	146,6	650	917	70	200	78	8750
HMCA2 560H3-4	4	1600	1488	96,1	87,0	184,2	167,4	650	1048	70	200	82	9100

6 pole 50° - 6000 & 10,000 V

Motor type	Pole	Rated Power	Rated Speed	Efficiency	Power Factor	Current			Torque			Moment of inertia (J)	Approx Weight
						Full Load 6/10kV	Full Load 6,6/11kV	Locked Rotor	Full Load	Locked Rotor	Pull Out		
						A	A	%FLC	kg-m	%FLT	%FLT		

HMCA2 6000 V, 50 Hz, ambient temperature 50°

HMCA2 355H-6	6	132	985	92,9	80,0	17,1	15,5	600	131	80	200	9.0	2200
HMCA2 355H1-6	6	160	985	93,0	80,0	20,7	18,8	600	158	80	200	10	2300
HMCA2 355H2-6	6	185	985	93,2	80,0	23,9	21,7	600	183	80	200	11	2400
HMCA2 400H-6	6	200	988	93,4	82,0	25,1	22,8	600	197	80	200	14	2900
HMCA2 400H1-6	6	220	988	93,5	82,0	27,6	25,1	600	217	80	200	16	3000
HMCA2 400H2-6	6	250	988	93,7	82,0	31,3	28,5	600	247	80	200	18	3200
HMCA2 400H3-6	6	280	988	93,9	82,0	35,0	31,8	600	276	80	200	20	3400
HMCA2 450H-6	6	315	988	94,2	83,0	38,8	35,2	600	311	80	200	28	3500
HMCA2 450H1-6	6	355	988	94,2	83,0	43,1	39,2	600	345	80	200	30	3600
HMCA2 450H2-6	6	400	988	94,6	83,0	49,0	44,6	600	395	80	200	32	3700
HMCA2 450H3-6	6	450	988	94,7	83,0	55,1	50,1	600	444	80	200	34	3820
HMCA2 500H-6	6	500	990	95,0	83,0	61,0	55,5	600	492	80	200	54	5610
HMCA2 500H1-6	6	560	990	95,1	83,0	68,3	62,1	600	551	80	200	58	5790
HMCA2 500H2-6	6	630	990	95,2	83,0	76,7	69,7	600	620	80	200	62	6010
HMCA2 500H3-6	6	710	990	95,4	83,0	86,3	78,4	600	699	80	200	66	6230
HMCA2 560H-6	6	800	990	95,5	84,0	96,0	87,2	600	787	70	200	94	7650
HMCA2 560H1-6	6	900	990	95,6	84,0	107,8	98,0	600	886	70	200	102	7950
HMCA2 560H2-6	6	1000	990	95,7	84,0	119,7	108,8	600	984	70	200	110	8250
HMCA2 560H3-6	6	1120	990	95,8	84,0	133,9	121,8	600	1102	70	200	118	8550

HMCA2 10,000 V, 50 Hz, ambient temperature 50°

HMCA2 450H-6	6	200	985	93,4	82	15,1	13,7	600	198	80	200	26	3400
HMCA2 450H1-6	6	220	985	93,5	82	16,6	15,1	600	218	80	200	28	3500
HMCA2 450H2-6	6	250	985	93,7	82	18,8	17,1	600	247	80	200	30	3600
HMCA2 450H3-6	6	280	985	93,9	82	21,0	19,1	600	277	80	200	32	3700
HMCA2 450H4-6	6	315	985	94,2	82	23,5	21,4	600	312	80	200	34	3820
HMCA2 500H-6	6	355	985	94,4	83	26,2	23,8	600	351	80	200	50	5450
HMCA2 500H1-6	6	400	988	94,4	83	29,5	26,8	600	395	80	200	54	5610
HMCA2 500-6	6	450	988	94,7	83	33,1	30,0	600	444	80	200	58	5790
HMCA2 500H2-6	6	500	990	95,0	83	36,6	33,3	600	492	80	200	62	6010
HMCA2 500H3-6	6	560	990	95,1	83	41,0	37,2	600	551	80	200	66	6230
HMCA2 560H-6	6	630	992	95,2	83	46,0	41,8	600	619	70	200	87	7400
HMCA2 560H1-6	6	710	992	95,4	83	51,8	47,1	600	697	70	200	94	7650
HMCA2 560H2-6	6	800	992	95,5	84	57,6	52,3	600	786	70	200	102	7950
HMCA2 560H3-6	6	900	992	95,6	84	64,7	58,8	600	884	70	200	110	8250
HMCA2 560H4-6	6	1000	992	95,7	84	71,8	65,3	600	982	70	200	118	8550

8 pole 50°
- 3000 V

Motor type	Pole	Rated Power	Rated Speed	Efficiency	Power Factor	Current			Torque			Moment of inertia (J)	Approx Weight
						Full Load 3kV	Full Load 3.3kV	Locked Rotor	Full Load	Locked Rotor	Pull Out		
		kW	RPM	%	%	A	A	%FLC	kg-m	%FLT	%FLT	kg-m²	kg

HMCA 3000 V, 50 Hz, ambient temperature 50°

HMCA2 400H-8	8	132	738	92,7	76,0	36,1	32,8	550	174	80	200	15	3000
HMCA2 400H1-8	8	160	738	92,9	76,0	43,6	39,6	550	211	80	200	16	3100
HMCA2 400H2-8	8	185	738	93,1	77,0	49,7	45,2	550	244	80	200	18	3200
HMCA2 400H3-8	8	200	738	93,3	77,0	53,6	48,7	550	264	80	200	20	3300
HMCA2 450H-8	8	220	740	93,4	78,0	58,1	52,8	550	290	80	200	28	3500
HMCA2 450H1-8	8	250	740	93,5	78,0	66,0	60,0	550	329	80	200	30	3600
HMCA2 450H2-8	8	280	740	93,7	78,0	73,7	67,0	550	369	80	200	32	3700
HMCA2 450H3-8	8	315	740	93,9	78,0	82,8	75,2	550	415	80	200	34	3820
HMCA2 500H-8	8	355	742	94,0	79,0	90,7	82,5	550	460	80	200	54	5250
HMCA2 500H1-8	8	400	742	94,2	79,0	103,4	94,0	550	525	80	200	58	5490
HMCA2 500H2-8	8	450	742	94,3	80,0	114,8	104,4	550	591	80	200	62	5750
HMCA2 500H3-8	8	500	742	94,8	80,0	126,9	115,3	550	657	80	200	66	6020
HMCA2 560H-8	8	560	745	94,9	81,0	140,2	127,5	550	733	70	200	96	7000
HMCA2 560H1-8	8	630	745	95,0	81,0	157,6	143,2	550	824	70	200	105	7350
HMCA2 560H2-8	8	710	745	95,1	81,0	177,4	161,3	550	929	70	200	110	7700
HMCA2 560H3-8	8	800	745	95,2	81,0	199,7	181,5	550	1046	70	200	116	8100

8 pole 50° - 6000 & 10,000 V

Motor type	Pole	Rated Power	Rated Speed	Efficiency	Power Factor	Current			Torque			Moment of inertia (J)	Approx Weight
						Full Load 6/10kV	Full Load 6,6/11kV	Locked Rotor	Full Load	Locked Rotor	Pull Out		
		kW	RPM	%	%	A	A	%FLC	kg-m	%FLT	%FLT	kg-m²	kg

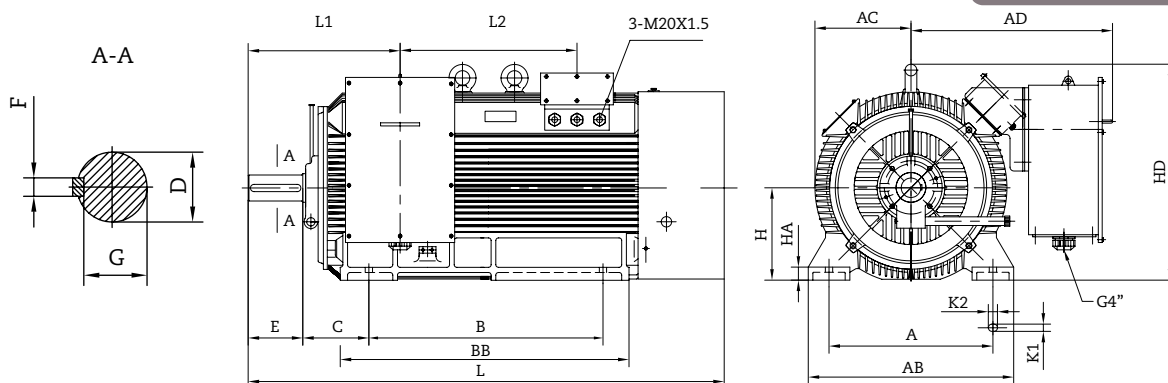
HMCA 6000 V, 50 Hz, ambient temperature 50°

HMCA2 400H-8	8	132	738	92,7	76,0	18,0	16,4	550	174	80	200	15	3000
HMCA2 400H1-8	8	160	738	92,9	76,0	21,8	19,8	550	211	80	200	16	3100
HMCA2 400H2-8	8	185	738	93,1	77,0	24,8	22,6	550	244	80	200	18	3200
HMCA2 400H3-8	8	200	738	93,3	77,0	26,8	24,4	550	264	80	200	20	3300
HMCA2 450H-8	8	220	740	93,4	78,0	29,1	26,4	550	290	80	200	28	3500
HMCA2 450H1-8	8	250	740	93,5	78,0	33,0	30,0	550	329	80	200	30	3600
HMCA2 450H2-8	8	280	740	93,7	78,0	36,9	33,5	550	369	80	200	32	3700
HMCA2 450H3-8	8	315	740	93,9	78,0	41,4	37,6	550	415	80	200	34	3820
HMCA2 500H-8	8	355	742	94,0	79,0	45,4	41,2	550	460	80	200	54	5250
HMCA2 500H1-8	8	400	742	94,2	79,0	51,7	47,0	550	525	80	200	58	5490
HMCA2 500H2-8	8	450	742	94,3	80,0	57,4	52,2	550	591	80	200	62	5750
HMCA2 500H3-8	8	500	742	94,8	80,0	63,4	57,7	550	657	80	200	66	6020
HMCA2 560H-8	8	560	745	94,9	81,0	70,1	63,7	550	733	70	200	96	7000
HMCA2 560H1-8	8	630	745	95,0	81,0	78,8	71,6	550	824	70	200	105	7350
HMCA2 560H2-8	8	710	745	95,1	81,0	88,7	80,6	550	929	70	200	110	7700
HMCA2 560H3-8	8	800	745	95,2	81,0	99,8	90,8	550	1046	70	200	116	8100

HMCA 10,000 V, 50 Hz, ambient temperature 50°

HMCA2 450H-8	8	200	740	93,3	78	15,9	14,4	550	263	80	200	30	3600
HMCA2 450H1-8	8	220	740	93,4	78	17,4	15,9	550	290	80	200	32	3700
HMCA2 450H2-8	8	250	740	93,5	78	19,8	18,0	550	329	80	200	34	3820
HMCA2 500H-8	8	280	742	93,7	78	22,1	20,1	550	368	80	200	54	5250
HMCA2 500H1-8	8	315	742	93,9	78	24,8	22,6	550	414	80	200	58	5490
HMCA2 500H2-8	8	355	742	94,0	79	27,6	25,1	550	466	80	200	62	5750
HMCA2 500H3-8	8	400	742	94,2	79	31,0	28,2	550	525	80	200	66	6020
HMCA2 560H-8	8	450	745	94,3	80	34,4	31,3	550	589	70	200	88	6650
HMCA2 560H1-8	8	500	745	94,8	80	38,1	34,6	550	654	70	200	96	7000
HMCA2 560H2-8	8	560	745	94,9	81	42,1	38,2	550	733	70	200	105	7350
HMCA2 560H3-8	8	630	745	95,0	81	47,3	43,0	550	824	70	200	110	7700
HMCA2 560H4-8	8	710	745	95,0	81	53,3	48,4	550	929	70	200	116	8100

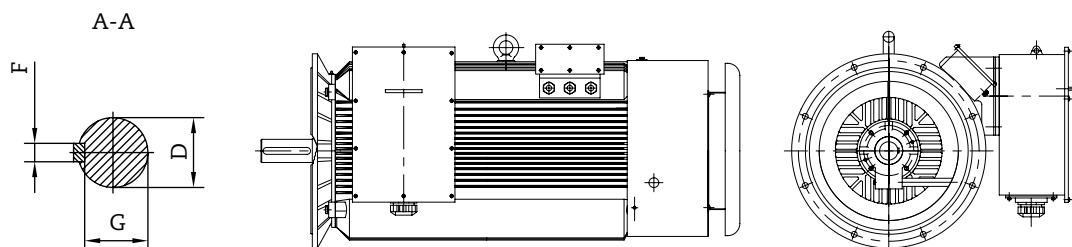
Dimensions B3



Motor size	Poles	A	B	C	D		E	F		G		H		K1		K2
355	2	630±1.4	900±1.4	254±4	75	+0.035 +0.013	140±0.5	20	0 -0.052	67,5	0 -0.2	355	0 -1	28	+0.52 0	35
355	4,6	630±1.4	900±1.4	254±4	100	+0.035 +0.013	210±0.57	28	0 -0.052	90	0 -0.2	355	0 -1	28	+0.52 0	35
400	2	710±1.75	1000±1.75	280±4	85	+0.035 +0.013	170±0.5	22	0 -0.052	76	0 -0.2	400	0 -1	35	+0.62 0	42
400	4,6,8	710±1.75	1000±1.75	280±4	110	+0.035 +0.013	210±0.57	28	0 -0.052	100	0 -0.2	400	0 -1	35	+0.62 0	42
450	2	800±1.75	1120±1.75	280±4	95	+0.035 +0.013	170±0.5	25	0 -0.052	86	0 -0.2	450	0 -1	35	+0.62 0	42
450	4	800±1.75	1120±1.75	280±4	120	+0.035 +0.013	210±0.57	32	0 -0.062	109	0 -0.2	450	0 -1	35	+0.62 0	42
450	6,8	800±1.75	1120±1.75	280±4	130	+0.04 +0.015	250±0.57	32	0 -0.062	119	0 -0.2	450	0 -1	35	+0.62 0	42
500	2	900±2.1	1250±2.1	315±4	110	+0.035 +0.013	210±0.57	28	0 -0.052	100	0 -0.2	500	0 -1	42	+0.62 0	52
500	4	900±2.1	1250±2.1	315±4	130	+0.04 +0.015	250±0.57	32	0 -0.062	119	0 -0.2	500	0 -1	42	+0.62 0	52
500	6,8	900±2.1	1250±2.1	315±4	140	+0.04 +0.015	250±0.57	36	0 -0.062	128	0 -0.3	500	0 -1	42	+0.62 0	52
560	2	1000±2.1	1400±2.1	530±4	130	+0.04 +0.015	250±0.57	32	0 -0.062	119	0 -0.2	560	0 -1	42	0,62 0	52
560	4	1000±2.1	1400±2.1	355±4	150	+0.04 +0.015	250±0.57	36	0 -0.062	138	0 -0.3	560	0 -1	42	+0.62 0	52
560	6,8	1000±2.1	1400±2.1	355±4	160	+0.04 +0.015	300±0.65	40	0 -0.062	147	0 -0.3	560	0 -1	42	+0.62 0	52

Motor size	Poles	AC	AD	AB	BB	HA	HD	L1	L2	L
355	2	370	780	780	1110	50	830	514	680	1740
355	4,6	370	780	780	1110	50	830	584	680	1830
400	2	420	900	870	1200	50	960	656	600	1980
400	4,6,8	420	900	870	1200	50	960	696	600	2020
450	2	450	930	950	1340	50	1070	651	785	2150
450	4	450	930	950	1340	50	1070	691	785	2180
450	6,8	450	930	950	1340	50	1070	731	785	2220
500	2	525	990	1080	1490	50	1220	789	1045	2500
500	4,6,8	525	990	1080	1490	50	1220	829	1045	2410
560	2	605	1050	1170	1680	60	1480	977	1010	2700
560	4	605	1050	1170	1680	60	1480	802	1010	2690
560	6,8	605	1050	1170	1680	60	1480	852	1010	2740

Dimensions V1

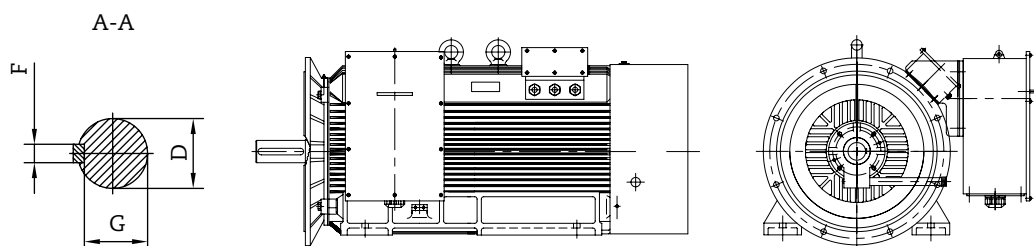


Motor size	Poles	A	B	C	D		E	F		G		H		K1		K2
355	2	630±1.4	900±1.4	254±4	75	+0.035 +0.013	140±0.5	20	0 -0.052	67,5	0 -0.2	355	0 -1	28	+0.52 0	35
355	4,6	630±1.4	900±1.4	254±4	100	+0.035 +0.013	210±0.57	28	0 -0.052	90	0 -0.2	355	0 -1	28	+0.52 0	35
400	2	710±1.75	1000±1.75	280±4	85	+0.035 +0.013	170±0.5	22	0 -0.052	76	0 -0.2	400	0 -1	35	+0.62 0	42
400	4,6,8	710±1.75	1000±1.75	280±4	110	+0.035 +0.013	210±0.57	28	0 -0.052	100	0 -0.2	400	0 -1	35	+0.62 0	42
450	2	800±1.75	1120±1.75	280±4	95	+0.035 +0.013	170±0.5	25	0 -0.052	86	0 -0.2	450	0 -1	35	+0.62 0	42
450	4	800±1.75	1120±1.75	280±4	120	+0.035 +0.013	210±0.57	32	0 -0.062	109	0 -0.2	450	0 -1	35	+0.62 0	42
450	6,8	800±1.75	1120±1.75	280±4	130	+0.04 +0.015	250±0.57	32	0 -0.062	119	0 -0.2	450	0 -1	35	+0.62 0	42
500	2	900±2.1	1250±2.1	315±4	110	+0.035 +0.013	210±0.57	28	0 -0.052	100	0 -0.2	500	0 -1	42	+0.62 0	52
500	4	900±2.1	1250±2.1	315±4	130	+0.04 +0.015	250±0.57	32	0 -0.062	119	0 -0.2	500	0 -1	42	+0.62 0	52
500	6,8	900±2.1	1250±2.1	315±4	140	+0.04 +0.015	250±0.57	36	0 -0.062	128	0 -0.3	500	0 -1	42	+0.62 0	52
560	2	1000±2.1	1400±2.1	530±4	130	+0.04 +0.015	250±0.57	32	0 -0.062	119	0 -0,2	560	0 -1	42	0,62 0	52
560	4	1000±2.1	1400±2.1	355±4	150	+0.04 +0.015	250±0.57	36	0 -0.062	138	0 -0.3	560	0 -1	42	+0.62 0	52
560	6,8	1000±2.1	1400±2.1	355±4	160	+0.04 +0.015	300±0.65	40	0 -0.062	147	0 -0.3	560	0 -1	42	+0.62 0	52

Motor size	Poles	AC	AD	AB	BB	HA	HD	L1	L2	L	P	M	N	n-s	T
355	2	370	780	780	1110	50	830	514	680	1740	800	740	680	8-24	6
355	4,6	370	780	780	1110	50	830	584	680	1830	800	740	680	8-24	6
400	2	420	900	870	1200	50	960	656	600	1980	1000	940	880	8-28	6
400	4,6,8	420	900	870	1200	50	960	696	600	2020	1000	940	880	8-28	6
450	2	450	930	950	1340	50	1070	651	785	2150	1150	1080	1000	8-28	6
450	4	450	930	950	1340	50	1070	691	785	2180	1150	1080	1000	8-28	6
450	6,8	450	930	950	1340	50	1070	731	785	2220	1150	1080	1000	8-28	6
500	2	525	990	1080	1490	50	1220	789	1045	2500	1250	1180	1120	8-28	7
500	4,6,8	525	990	1080	1490	50	1220	829	1045	2410	1250	1180	1120	8-28	7
560	2	605	1050	1170	1680	60	1480	977	1010	2700	1250	1180	1120	8-28	7
560	4	605	1050	1170	1680	60	1480	802	1010	2690	1250	1180	1120	8-28	7
560	6,8	605	1050	1170	1680	60	1480	852	1010	2740	1250	1180	1120	8-28	7

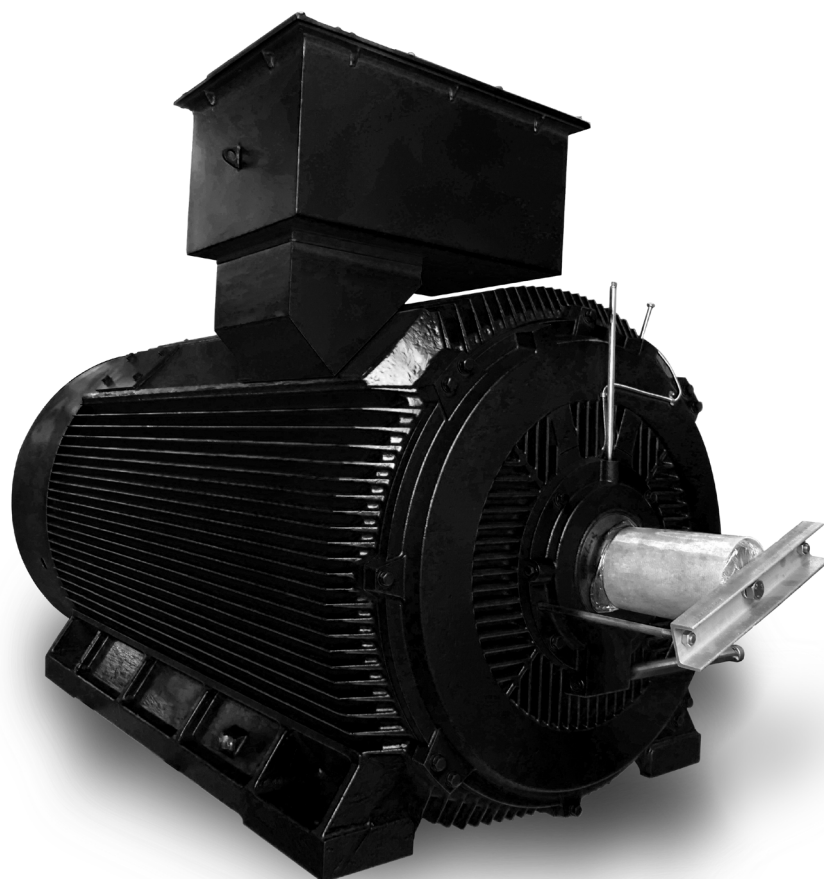
Flanges are steel plate welded. Motor size ≥400 is on request in V1

Dimensions B35



Motor size	Poles	A	B	C	D		E	F		G		H		K1		K2
355	2	630±1.4	900±1.4	254±4	75	+0.035 +0.013	140±0.5	20	0 -0.052	67,5	0 -0.2	355	0 -1	28	+0.52 0	35
355	4,6	630±1.4	900±1.4	254±4	100	+0.035 +0.013	210±0.57	28	0 -0.052	90	0 -0.2	355	0 -1	28	+0.52 0	35
400	2	710±1.75	1000±1.75	280±4	85	+0.035 +0.013	170±0.5	22	0 -0.052	76	0 -0.2	400	0 -1	35	+0.62 0	42
400	4,6,8	710±1.75	1000±1.75	280±4	110	+0.035 +0.013	210±0.57	28	0 -0.052	100	0 -0.2	400	0 -1	35	+0.62 0	42
450	2	800±1.75	1120±1.75	280±4	95	+0.035 +0.013	170±0.5	25	0 -0.052	86	0 -0.2	450	0 -1	35	+0.62 0	42
450	4	800±1.75	1120±1.75	280±4	120	+0.035 +0.013	210±0.57	32	0 -0.062	109	0 -0.2	450	0 -1	35	+0.62 0	42
450	6,8	800±1.75	1120±1.75	280±4	130	+0.04 +0.015	250±0.57	32	0 -0.062	119	0 -0.2	450	0 -1	35	+0.62 0	42
500	2	900±2.1	1250±2.1	315±4	110	+0.035 +0.013	210±0.57	28	0 -0.052	100	0 -0.2	500	0 -1	42	+0.62 0	52
500	4	900±2.1	1250±2.1	315±4	130	+0.04 +0.015	250±0.57	32	0 -0.062	119	0 -0.2	500	0 -1	42	+0.62 0	52
500	6,8	900±2.1	1250±2.1	315±4	140	+0.04 +0.015	250±0.57	36	0 -0.062	128	0 -0.3	500	0 -1	42	+0.62 0	52
560	4	1000±2.1	1400±2.1	355±4	150	+0.04 +0.015	250±0.57	36	0 -0.062	138	0 -0.3	560	0 -1	42	+0.62 0	52
560	6,8	1000±2.1	1400±2.1	355±4	160	+0.04 +0.015	300±0.65	40	0 -0.062	147	0 -0.3	560	0 -1	42	+0.62 0	52

Motor size	Poles	AC	AD	AB	BB	HA	HD	L1	L2	L	P	M	N	n-s	T
355	2	370	780	780	1110	50	830	514	680	1740	800	740	680	8-24	6
355	4,6	370	780	780	1110	50	830	584	680	1830	800	740	680	8-24	6
400	2	420	900	870	1200	50	960	656	600	1980	1000	940	880	8-28	6
400	4,6,8	420	900	870	1200	50	960	696	600	2020	1000	940	880	8-28	6
450	2	450	930	950	1340	50	1070	651	785	2150	1150	1080	1000	8-28	6
450	4	450	930	950	1340	50	1070	691	785	2180	1150	1080	1000	8-28	6
450	6,8	450	930	950	1340	50	1070	731	785	2220	1150	1080	1000	8-28	6
500	2	525	990	1080	1490	50	1220	789	1045	2500	1250	1180	1120	8-28	7
500	4,6,8	525	990	1080	1490	50	1220	829	1045	2410	1250	1180	1120	8-28	7
560	4	605	1050	1170	1680	60	1480	802	1010	2690	1250	1180	1120	8-28	7
560	6,8	605	1050	1170	1680	60	1480	852	1010	2740	1250	1180	1120	8-28	7



HOYER

EXCEEDING EXPECTATIONS

Hoyer Motors, Medium Voltage Motors, December 2017

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