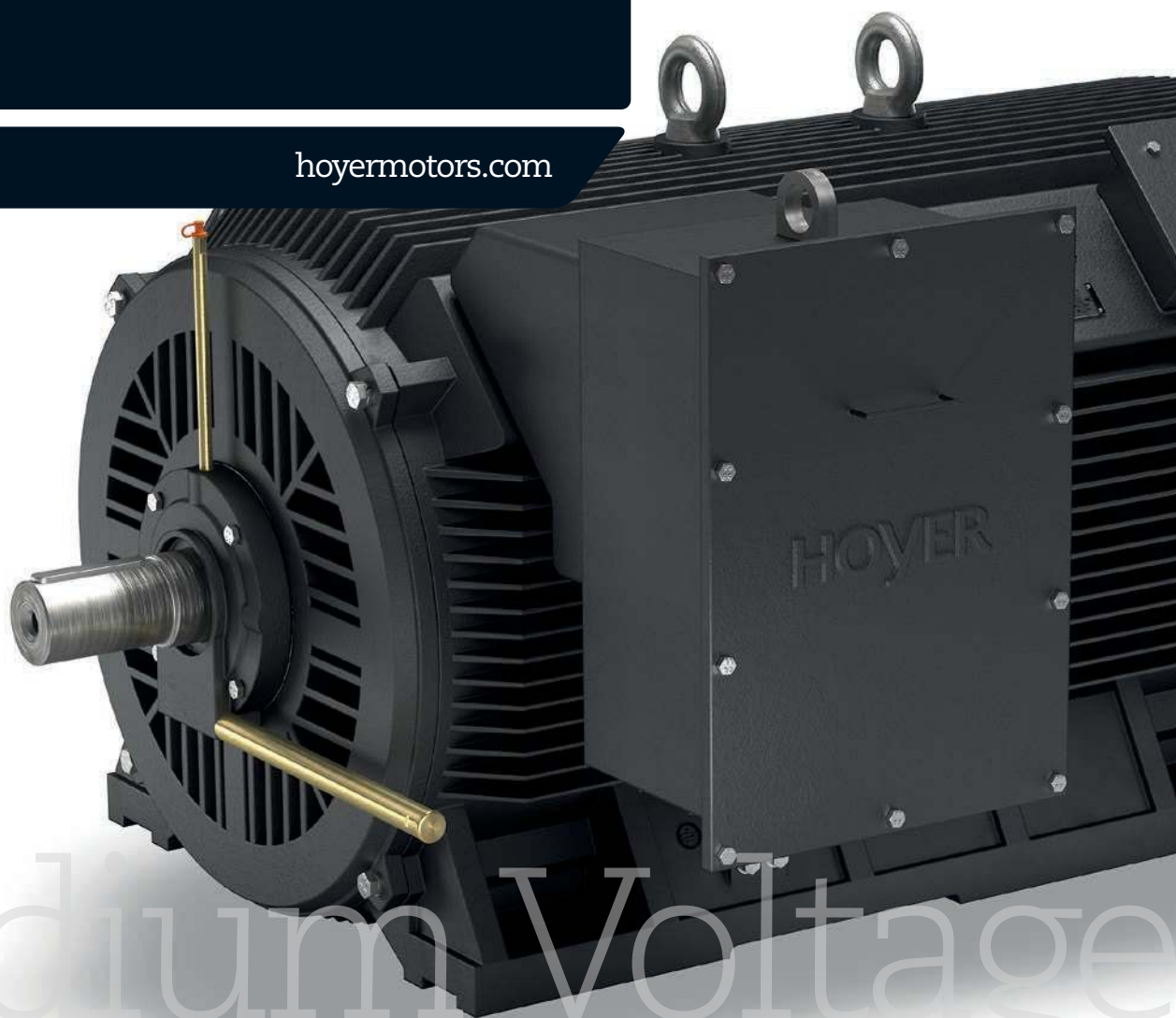


Electric Motors

Medium Voltage

hoyermotors.com



HOYER
MOTORS



HOYER

EXCEEDING EXPECTATIONS

Hoyer Motors is an international supplier of high-end electric motors. Headquartered in Denmark and China, we are represented through sales offices and distributors worldwide. We pride ourselves of being an elite manufacturing enterprise with the highest attention to service and flexibility – a company where dedication, competitiveness and reliability are second to none.

We have selected focus on the segments Marine, HVAC, Industrial Pumps, Oil & Gas, Wind and HPU. Through strong partnerships with market leading industrial OEM's within these segments, we are able to offer a unique setup and industrial insight. We add value by understanding the business and markets of our customers.

At Hoyer Motors, meeting agreements is as natural as breathing air. We believe in trustworthy partnerships with our customers and always meet our obligations on deliveries, documentation and product quality. 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 and welded plate iron
Fan cover material:	Plate steel
Flange material:	Grey cast iron
IEC sizes:	355-560. Other sizes on request
Coating:	Hoyer standard, C3L
Color:	RAL 9005
Mounting form:	B3, V1 and B35
Cable entry for main terminal box:	Steel plate for customised requirements
Cable entry for aux terminal box:	3 pcs M20x1.5
Protection class:	IP 55. Other classes on request
Vibration:	Grade A

Technical information and electrical design	
Supply voltages:	50Hz.: 3 / 3,3 kV - 6 / 6,6 kV - 10 / 11 kV. 60Hz on request
Pole:	2,4,6 and 8 as standard. 10 and 12 on request
Insulation class / temperature rise:	F / B
Winding coating system:	VPI – Vacuum Pressure Impregnated
Winding coating:	Tropical insulated
Winding protection:	3xPT100 and 3xPTC in D.E and N.D.E
Bearing protection:	1xPT100 in each bearing outer ring
Duty:	S1 as standard. S2-S9 on request
Heater:	Standard in D.E and N.D.E
Ambient temperature:	40° and 50° at 1000 m altitude

Electrical interface

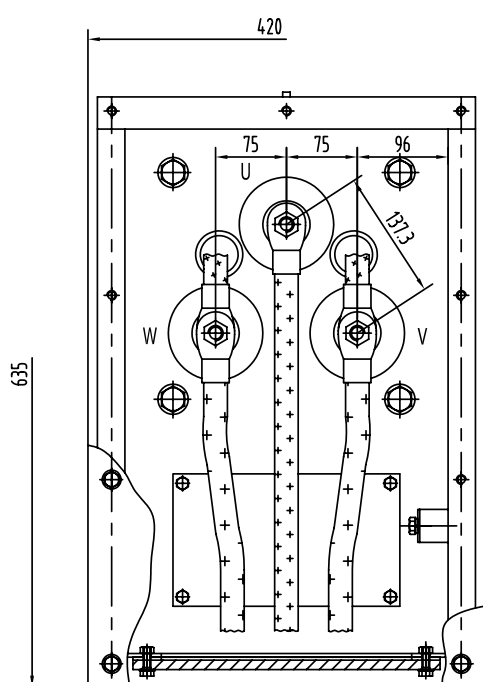
Terminal box size 355

The main terminal box for motors size 355 up to 6,6KV is as standard on the right side. Y point and W.O. terminal box is available on request. Hoyer HMCA2 size 355 motors have separate aux box as standard.

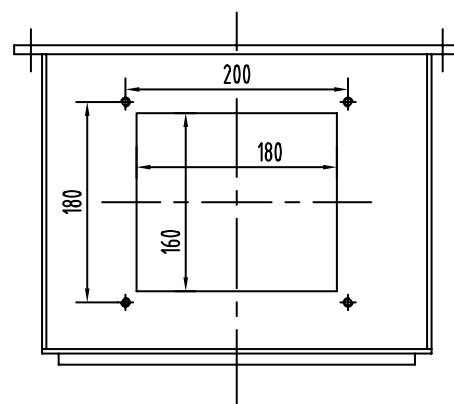
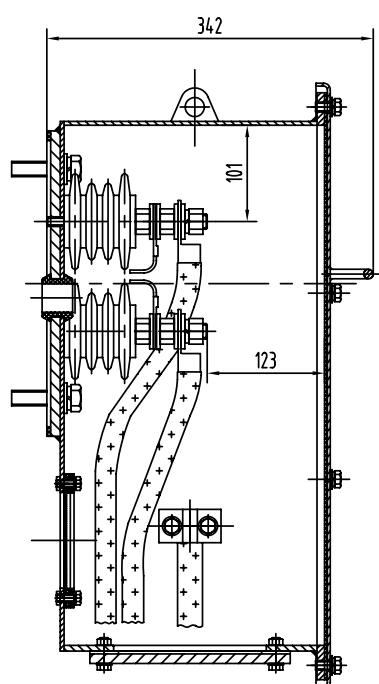
Main terminal box	
Box material:	Welded steel
Cable gland plate:	Steel plate, 316 (A4)
Protection class:	IP55
Isolators:	UL approved epoxy
Connection screws:	M16, stainless steel 316 (A4)
Connection nuts tightening torque:	55Nm
Ground connections:	2-M10 (inside)

Technical data for the main terminal box	
Voltage (max.):	6,6KV
Current (max.):	400A
No of cables(max.):	1 per phase
Cross section of cables (max.):	200mm ²
Clearance (min.):	70mm
Creepage (min.):	100mm
Gross volume:	51
Usable volume:	46
Weight:	50

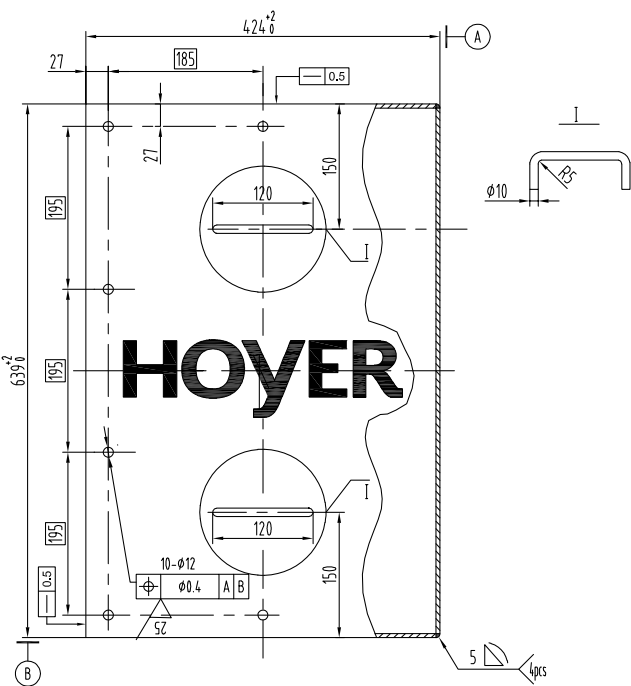
Main terminal box size 355



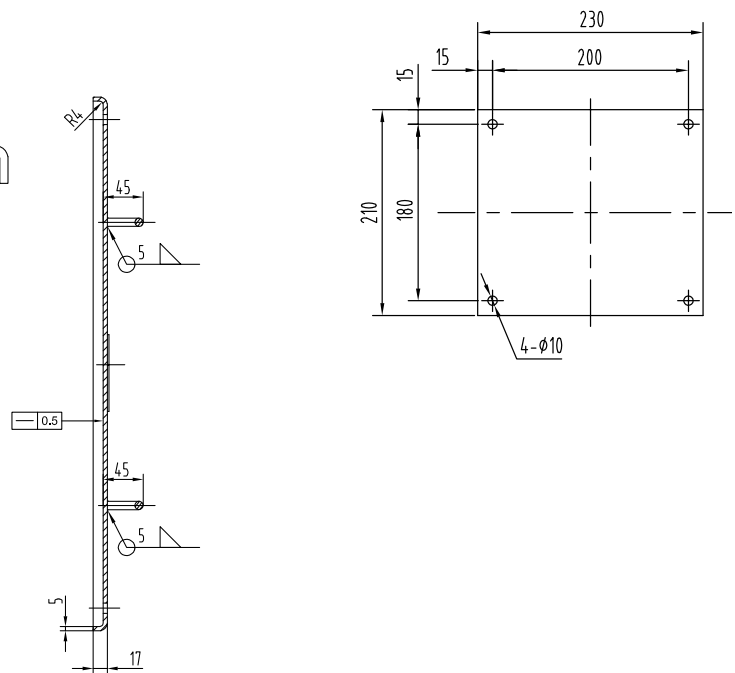
Terminal box dimensions



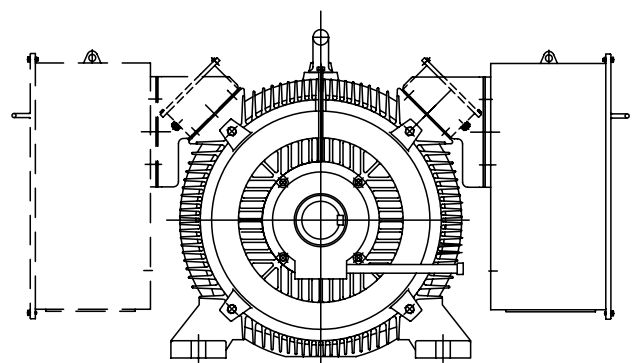
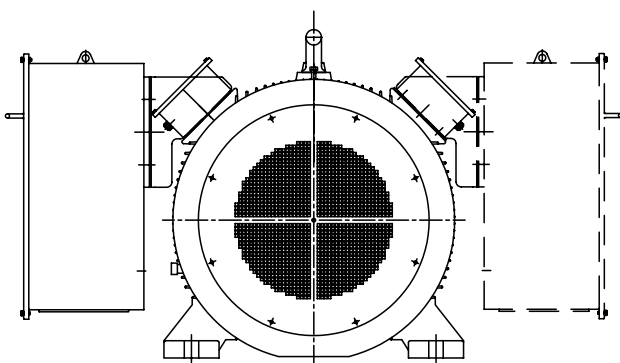
Main terminal box cover size 355



Mechanical cable interface



Terminal box on right side as standard



Hoyer Medium Voltage

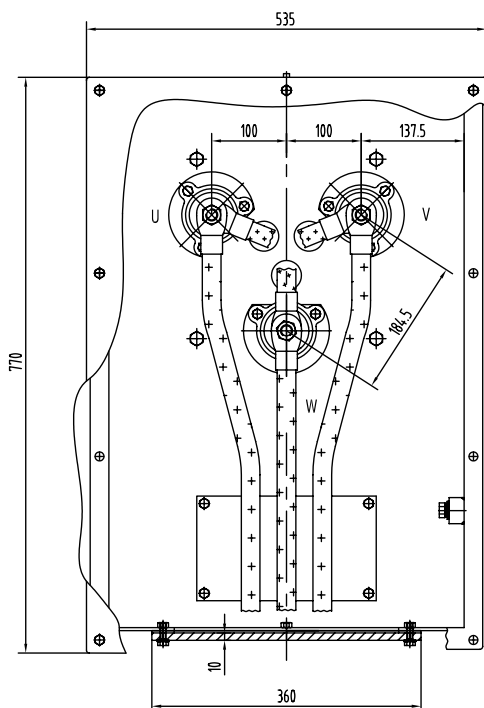
Terminal box size 400-560

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 size 400-560 have separate aux box as standard.

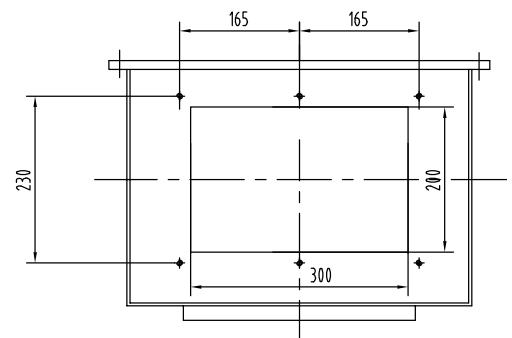
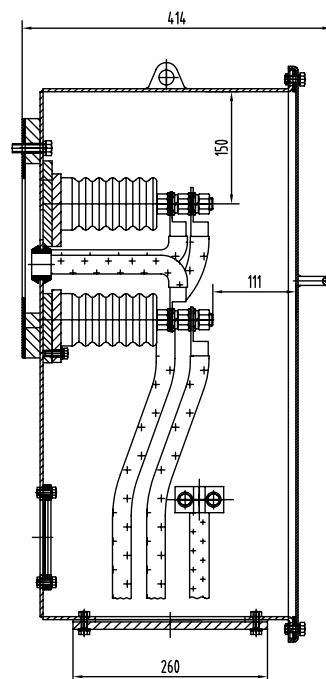
Main terminal box	
Box material:	Welded steel
Cable gland plate:	Steel plate, 316 (A4)
Protection class:	IP55
Isolators:	UL approved epoxy
Connection screws:	M16, stainless steel 316 (A4)
Connection nuts tightening torque:	55Nm
Ground connections:	2-M10 (inside)

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

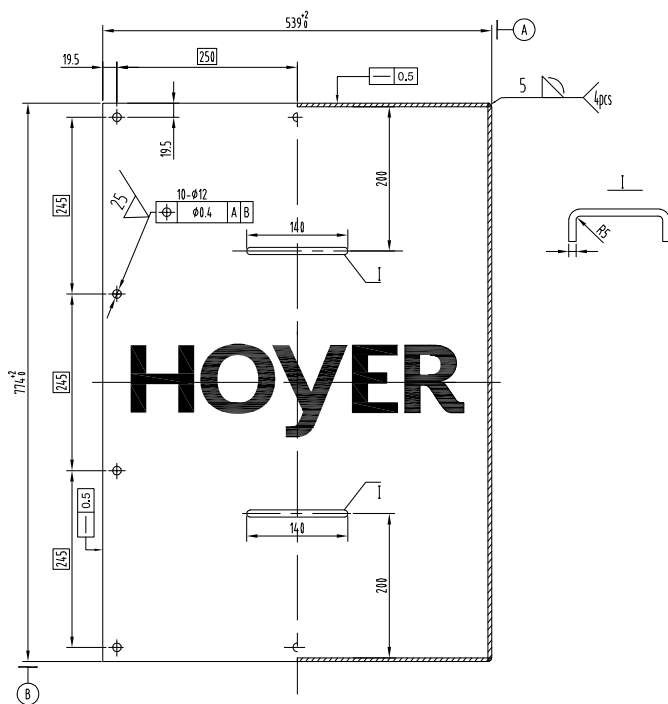
Main terminal box size 400-560



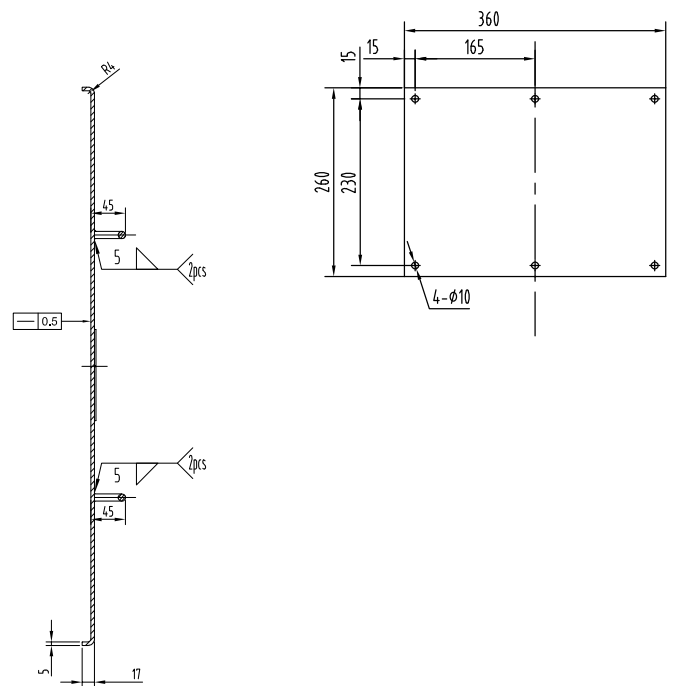
Terminal box dimensions



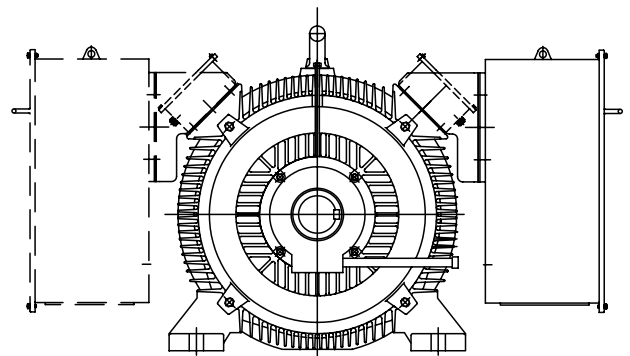
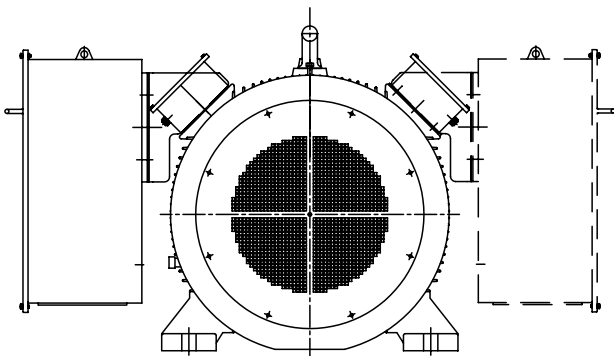
Main terminal box cover size 400-560



Mechanical cable interface



Terminal box on right side as standard

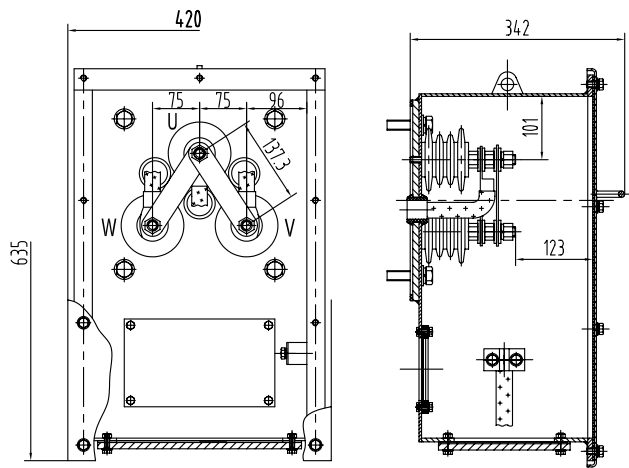


Hoyer Medium Voltage

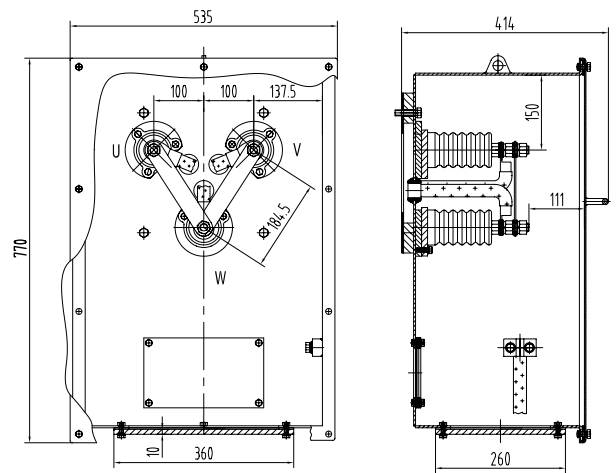
Optional terminal box solutions

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

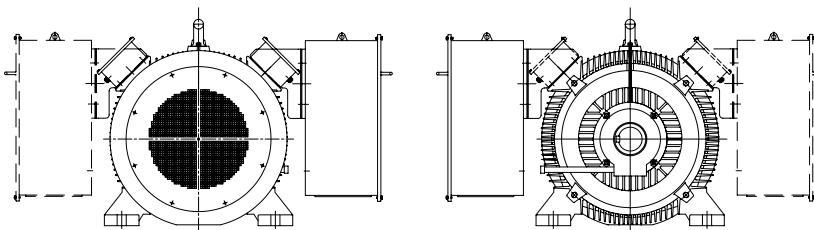
Y point terminals size 355



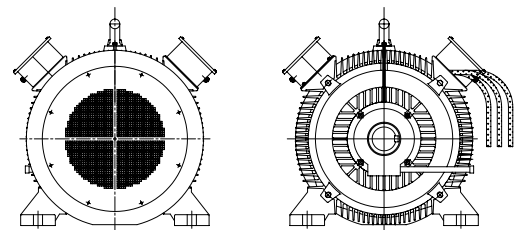
Y point terminals size 400-560



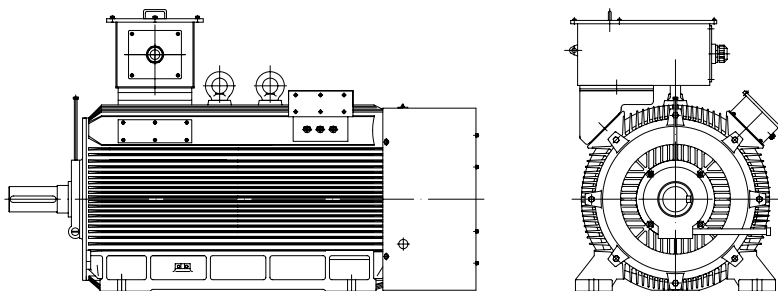
Terminal box on left side



Without terminal box



Terminal box on top



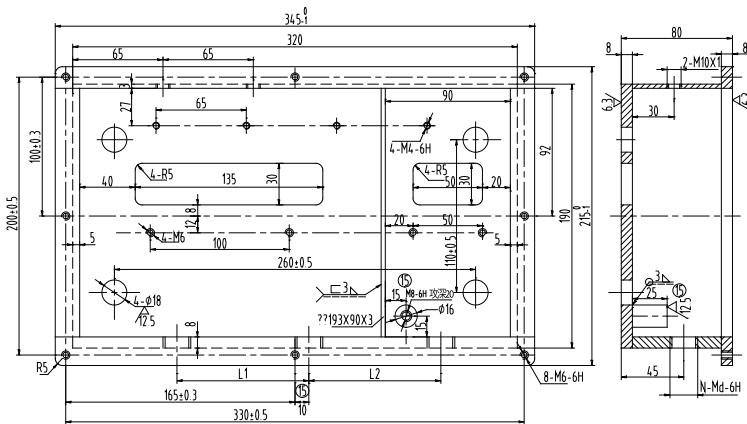
Auxiliary box

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

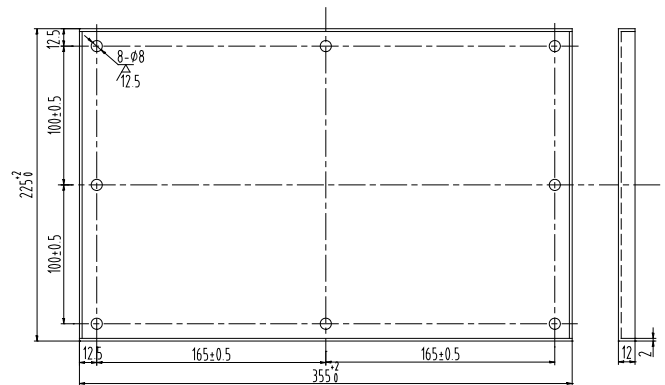
Auxiliary box

Box material:	Welded steel
Cable gland plate:	3xM20x1.5
Protection class:	IP55
Ground connections:	1xM8

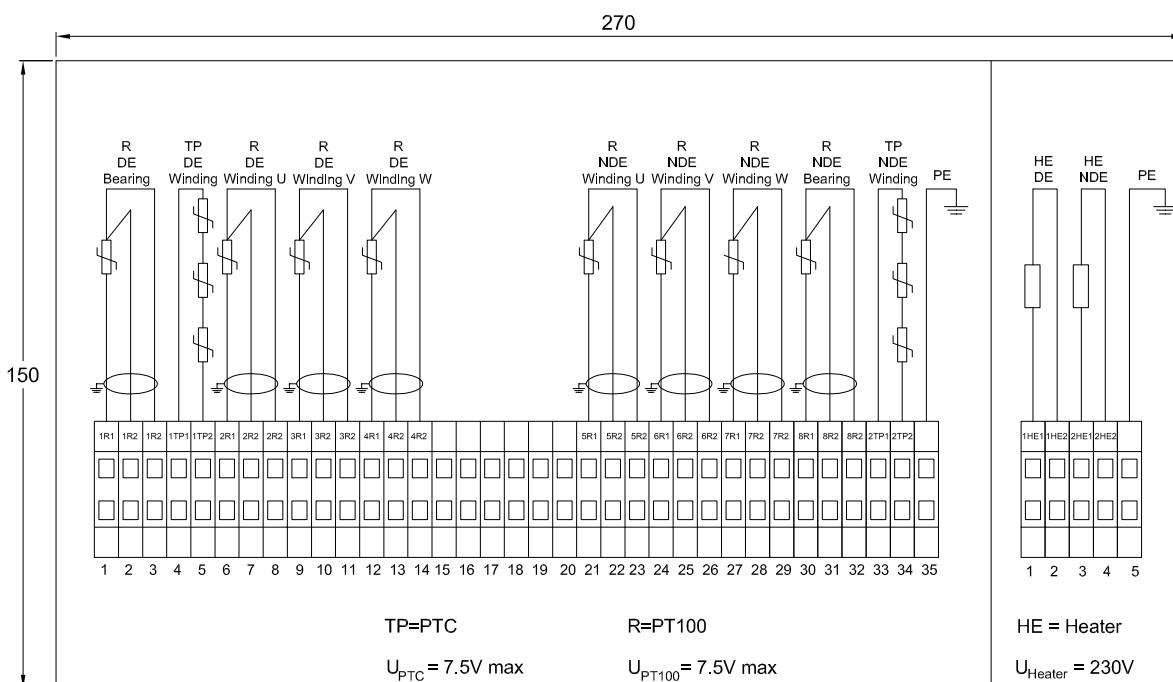
Auxiliary terminal box



Auxiliary terminal box cover



Auxiliary box connection diagram



Bearings

Hoyer HMCA2 range comes with re-greaseable premium quality bearings. The motors are as standard equipped with single-row deep groove ball bearings and locked in D.E. V1 motors have angular contact bearings. NU bearings in D.E. for increased radial force is available on request. Standard bearing grease: -40°C/+150°C.

Hoyer Medium Voltage Motor horizontal mounting bearings

Horizontal Mounting									
Frame size	DE				NDE				Bearing type
	Poles				Poles				
	2	4	6	8	2	4	6	8	
355	6218/C3	6322/C3	6322/C3	6322/C3	6218/C3	6322/C3	6322/C3	6322/C3	Open
400	6220/C3	6326/C3	6326/C3	6326/C3	6220/C3	6326/C3	6326/C3		
450	6220/C3	6328/C3	6328/C3	6328/C3	6220/C3	6328/C3	6328/C3		
500	EM9-80	6328/C3	6330/C3	6330/C3	EM9-80	6328/C3	6330/C3		
560	EM11-100	6334/C3	6334/C3	6334/C3	EM11-100	6330/C3	6330/C3		

Hoyer Medium Voltage Motor vertical mounting bearings

Vertical Mounting									
Frame size	DE				NDE				Bearing type
	Poles				Poles				
	2	4	6	8	2	4	6	8	
355	7218/C3	7322/C3	7322/C3	7322/C3	6218/C3	6322/C3	6322/C3	6322/C3	Open
400	7220/C3	7326/C3	7326/C3	7326/C3	6220/C3	6326/C3	6326/C3		
450	–	7328/C3	7328/C3	7328/C3	6220/C3	6328/C3	6328/C3		
500	–	7328/C3	7330/C3	7330/C3	–	6328/C3	6330/C3		
560	–	–	7334/C3	7334/C3	–	6330/C3	6330/C3		

Lubrication intervals horizontal mounting

Horizontal mounting re-greasing intervals and amount (DE)

Horizontal Mounting - DE												
Frame size	2 pole			4 pole			6 pole			8 pole		
	Bearing	Interval	Amount	Bearing	Interval	Amount	Bearing	Interval	Amount	Bearing	Interval	Amount
		[h]	[g]		[h]	[g]		[h]	[g]		[h]	[g]
355	6218/C3	2000	25	6322/C3	4000	60	6322/C3	4000	60	6322/C3	4000	60
400	6220/C3	2000	30	6326/C3	4000	85	6326/C3	4000	85	6326/C3	4000	85
450	6220/C3	2000	30	6328/C3	4000	95	6328/C3	4000	95	6328/C3	4000	95
500	EM9-80	-	-	6328/C3	4000	95	6330/C3	4000	110	6330/C3	4000	110
560	EM11-100	-	-	6334/C3	2000	130	6334/C3	2000	130	6334/C3	2000	130

Horizontal mounting re-greasing intervals and amount (NDE)

Horizontal Mounting - NDE												
Frame size	2 pole			4 pole			6 pole			8 pole		
	Bearing	Interval	Amount	Bearing	Interval	Amount	Bearing	Interval	Amount	Bearing	Interval	Amount
		[h]	[g]		[h]	[g]		[h]	[g]		[h]	[g]
355	6218/C3	2000	25	6322/C3	4000	60	6322/C3	4000	60	6322/C3	4000	60
400	6220/C3	2000	30	6326/C3	4000	85	6326/C3	4000	85	6326/C3	4000	85
450	6220/C3	2000	30	6328/C3	4000	95	6328/C3	4000	95	6328/C3	4000	95
500	EM9-80	-	-	6328/C3	4000	95	6330/C3	4000	110	6330/C3	4000	110
560	EM11-100	-	-	6330/C3	2000	110	6330/C3	2000	110	6330/C3	2000	110

Lubrication intervals vertical mounting

Vertical mounting re-greasing intervals and amount (DE)

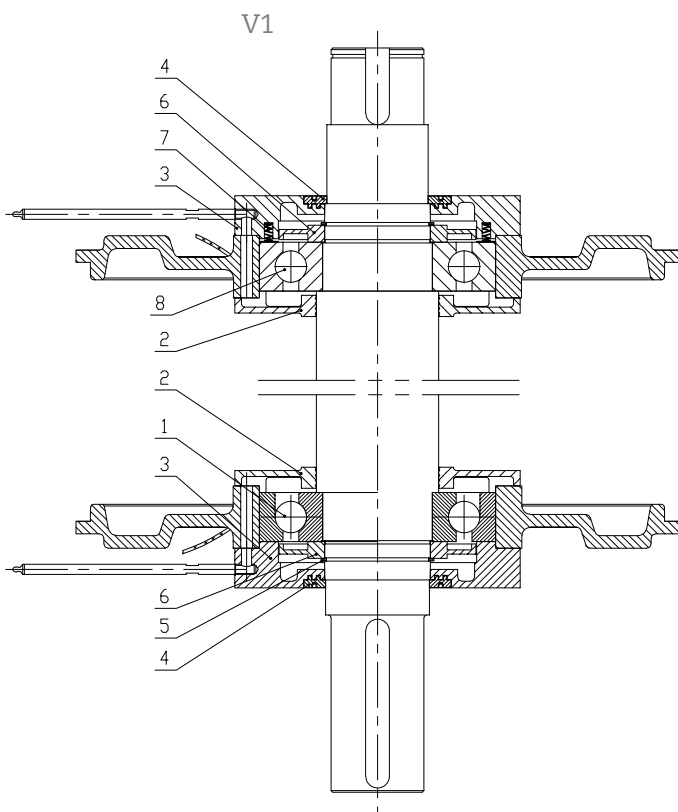
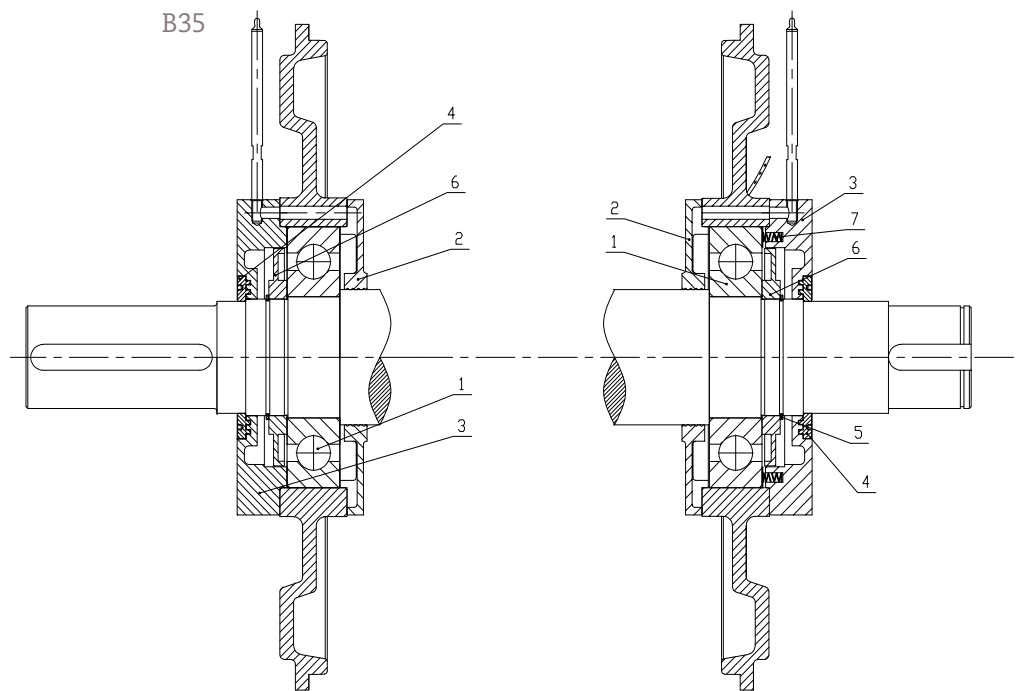
Vertical Mounting - DE												
Frame size	2 pole			4 pole			6 pole			8 pole		
	Bearing	Interval	Amount	Bearing	Interval	Amount	Bearing	Interval	Amount	Bearing	Interval	Amount
		[h]	[g]		[h]	[g]		[h]	[g]		[h]	[g]
355	7218/C3	2000	20	7322/C3	4000	60	7322/C3	4000	60	7322/C3	4000	60
400	7220/C3	2000	30	7326/C3	4000	85	7326/C3	4000	85	7326/C3	4000	85
450	7220/C3	2000	30	7328/C3	4000	95	7328/C3	4000	95	7328/C3	4000	95
500	-	-	-	7328/C3	4000	95	7330/C3	4000	110	7330/C3	4000	110
560	-	-	-	7334/C3	2000	130	7334/C3	2000	130	7334/C3	2000	130

Vertical mounting re-greasing intervals and amount (NDE)

Vertical Mounting - NDE												
Frame size	2 pole			4 pole			6 pole			8 pole		
	Bearing	Interval	Amount	Bearing	Interval	Amount	Bearing	Interval	Amount	Bearing	Interval	Amount
		[h]	[g]		[h]	[g]		[h]	[g]		[h]	[g]
355	6218/C3	2000	20	6322/C3	4000	60	6322/C3	4000	60	6322/C3	4000	60
400	6220/C3	2000	30	6326/C3	4000	85	6326/C3	4000	85	6326/C3	4000	85
450	6220/C3	2000	30	6328/C3	4000	95	6328/C3	4000	95	6328/C3	4000	95
500	-	-	-	6328/C3	4000	95	6330/C3	4000	110	6330/C3	4000	110
560	-	-	-	6330/C3	2000	110	6330/C3	2000	110	6330/C3	2000	110

Bearing solutions

1. Groove ball bearings
2. Inner bearing cover
3. Out of bearing cover
4. Labyrinth seal ring
5. Circlip
6. Oyster ring
7. Springs

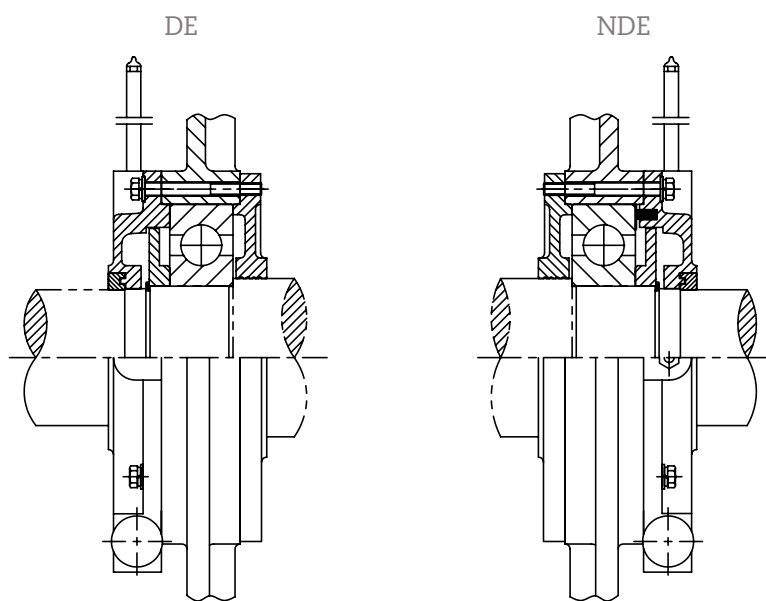


1. Angular contact ball bearing
2. Inner bearing cover
3. Out bearing cover
4. Labyrinth seal ring
5. Circlip
6. Oyster ring
7. Springs
8. Groove ball bearing

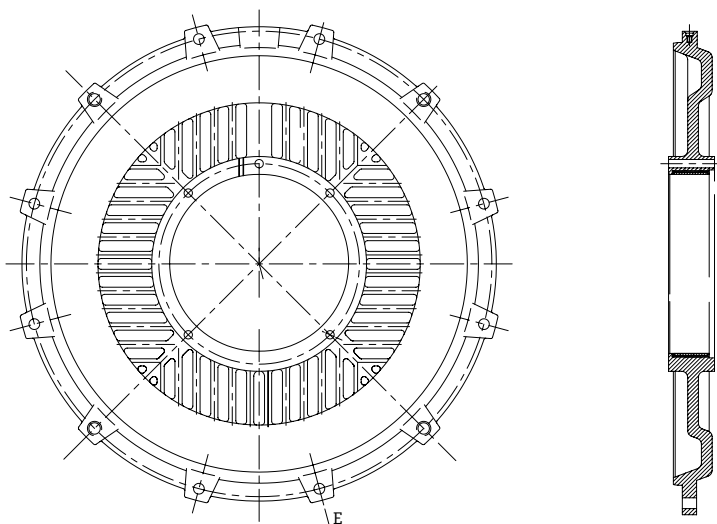
Bearing seals

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

Bearing seal



Insulated bearing shield



Noise and vibration

HMCA2 motors are fulfilling balancing grade A according to IEC 60034-14 for vibration, H_z≥315, speed 2.3mm/s. Noise level is according to IEC 60034-9.

Noise level dB(A) 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 dB(A) 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

HOYER							CE
www.hoyermotors.com							
Type: HMCA2 355H-2		Serial no.: SHxxxx-xx			3-motor		
D.E. 6218/C3		N.D.E. 6218/C3		1900kg	IP 55	Ins.cl.: FΔ T:B	
V	Hz	kW	RPM	A	COS φ	Duty	
Y 6000	50	185	2973	Y 21.0	0.90	S1-40°C	
Eff.at: 6000V 50Hz		1/1	93.8%	3/4	93.8%	1/2 93.1%	
IC 411							
IM B3		YY/WW: 18/26	Tropical insulation		IEC 60034		

Lubrication plate

Re-greasing		
	DE	NDE
Bearing:	6218/C3	6218/C3
Regreasing time[h]:	2000	2000
Regreasing value[g]:	38	38
Grease type:	UNIREX N3	
Anti-condensation		
Heatband built in.		
Warning: Heatband voltage is switched on when motor is switched off.		
	DE	NDE
Voltage[V]:	230	230
Current[A]:	0.43	0.43
Power[W]:	100	100

2 pole 40°
3000 V

Motor type	Pole	Power	Speed	Efficiency	Cos Ø	Current	Ist/In	T norm	Tst/Tn	Tmax/Tn	IM	Weight	Voltage	Ambient temperature
		kW	RPM	%		A		Nm		J (kgm ²)	kg			V

HMCA2 3000 V, 50 Hz, ambient temperature 40°

HMCA2 355H-2	2	185	2970	93.8	0.90	42.0	6.9	595	0.87	3.55	2.6	1900	3000	40
HMCA2 355H1-2	2	200	2970	94.0	0.91	45.0	6.8	645	0.89	3.45	2.8	2000	3000	40
HMCA2 355H2-2	2	220	2980	94.1	0.90	50.0	7.1	705	1.32	3.60	3.0	2100	3000	40
HMCA2 355H3-2	2	250	2980	94.5	0.91	56.0	6.8	805	1.30	3.40	3.3	2200	3000	40
HMCA2 355H4-2	2	280	2970	94.8	0.91	62.5	6.8	900	1.32	3.35	3.5	2350	3000	40
HMCA2 400H-2	2	315	2980	94.6	0.90	71.5	6.9	1020	1.28	3.30	5.0	2900	3000	40
HMCA2 400H1-2	2	355	2970	94.9	0.90	79.5	6.8	1140	1.30	3.20	5.5	3000	3000	40
HMCA2 400H2-2	2	400	2970	95.2	0.91	89.0	6.9	1280	1.36	3.20	6.0	3100	3000	40
HMCA2 400H3-2	2	450	2980	95.4	0.91	99.5	7.1	1440	1.44	3.20	7.0	3200	3000	40
HMCA2 450H-2	2	500	2980	95.1	0.91	112.0	5.3	1600	0.47	2.70	11	3500	3000	40
HMCA2 450H1-2	2	560	2980	95.3	0.91	124.0	5.5	1800	0.50	2.80	12	3600	3000	40
HMCA2 450H2-2	2	630	2980	95.5	0.91	138.0	5.3	2020	0.48	2.65	13	3700	3000	40
HMCA2 450H3-2	2	710	2980	95.7	0.91	156.0	5.7	2280	0.54	2.85	14	3850	3000	40
HMCA2 500H-2	2	800	2990	95.9	0.89	180.0	6.4	2550	0.49	3.30	17	5780	3000	40
HMCA2 500H1-2	2	900	2990	96.0	0.89	202.0	5.9	2900	0.43	3.00	19	6050	3000	40
HMCA2 500H2-2	2	1000	2990	96.1	0.89	224.0	6.2	3200	0.46	3.15	21	6320	3000	40
HMCA2 500H3-2	2	1120	2990	96.2	0.89	250.0	6.3	3600	0.49	3.20	23	6600	3000	40
HMCA2 560H-2	2	1250	2990	96.5	0.90	275.0	6.5	4000	0.41	3.40	24	8400	3000	40
HMCA2 560H1-2	2	1400	2990	96.7	0.91	305.0	6.3	4450	0.40	3.25	30	8800	3000	40
HMCA2 560H2-2	2	1600	2990	96.9	0.91	350.0	6.8	5100	0.44	3.45	33	9200	3000	40

4 pole 40°
3000 V

Motor type	Pole	Power	Speed	Efficiency	Cos Ø	Current	Ist/In	T norm	Tst/Tn	Tmax/Tn	IM	Weight kg	Voltage V	Ambient temperature
		kW	RPM	%		A		Nm		J (kgm ²)	°C			

HMCA2 3000 V, 50 Hz, ambient temperature 40°

HMCA2 355H-4	4	185	1480	94.6	0.84	44.5	5.8	1180	1.24	2.65	6	1900	3000	40
HMCA2 355H1-4	4	200	1490	94.5	0.83	49	6.3	1280	1.9	2.9	7	2000	3000	40
HMCA2 355H2-4	4	220	1480	94.7	0.85	52.5	5.9	1420	1.3	2.6	8	2100	3000	40
HMCA2 355H3-4	4	250	1490	94.7	0.84	60.5	6.7	1600	2.06	2.95	9	2200	3000	40
HMCA2 355H4-4	4	280	1490	94.8	0.84	67.5	6.6	1800	2.06	2.9	10	2300	3000	40
HMCA2 400H-4	4	315	1490	94.9	0.88	72.5	6.4	2020	1.92	2.75	11	3000	3000	40
HMCA2 400H1-4	4	355	1490	95	0.88	82	6.4	2280	1.94	2.75	12	3100	3000	40
HMCA2 400H2-4	4	400	1490	95.1	0.88	92	6.6	2550	2.04	2.75	13	3200	3000	40
HMCA2 400H3-4	4	450	1490	95.2	0.88	104	6.4	2900	2.16	2.75	14	3300	3000	40
HMCA2 450H-4	4	500	1490	94.9	0.89	114	6.1	3200	0.91	2.34	22	3600	3000	40
HMCA2 450H1-4	4	560	1490	95.1	0.89	126	6.5	3600	1.02	2.44	24	3700	3000	40
HMCA2 450H2-4	4	630	1490	95.2	0.89	142	6	4050	0.93	2.24	26	3800	3000	40
HMCA2 450H3-4	4	710	1490	95.4	0.9	160	5.8	4550	0.92	2.14	28	3950	3000	40
HMCA2 500H-4	4	800	1490	96	0.88	182	6.7	5100	0.97	2.38	41	5820	3000	40
HMCA2 500H1-4	4	900	1490	96.1	0.88	204	6.5	5750	0.95	2.3	44	6100	3000	40
HMCA2 500H2-4	4	1000	1490	96.4	0.88	226	6.6	6400	0.99	2.28	47	6280	3000	40
HMCA2 500H3-4	4	1120	1490	96.5	0.88	255	6.6	7150	0.99	2.16	50	6420	3000	40
HMCA2 560H-4	4	1250	1490	96.3	0.9	275	6.5	8000	0.84	2.34	70	8020	3000	40
HMCA2 560H1-4	4	1400	1490	96.5	0.9	310	6.6	8950	0.86	2.3	74	8390	3000	40
HMCA2 560H2-4	4	1600	1490	96.6	0.9	350	6.7	10250	0.92	2.3	78	8750	3000	40
HMCA2 560H3-4	4	1800	1490	96.7	0.9	395	6.2	11500	0.85	2.1	82	9100	3000	40

6 pole 40°
3000 V

Motor type	Pole	Power	Speed	Efficiency	Cos Ø	Current	Ist/In	T norm	Tst/Tn	Tmax/Tn	IM	Weight	Voltage	Ambient temperature
		kW	RPM	%		A		Nm			J (kgm ²)			kg

HMCA2 3000 V, 50 Hz, ambient temperature 40°

HMCA2 355H-6	6	160	990	93.2	0.84	39.5	5.6	1540	1.7	2.38	9.00	2200	3000	40
HMCA2 355H1-6	6	185	990	93.5	0.85	45	5.8	1800	1.68	2.48	10	2300	3000	40
HMCA2 355H2-6	6	200	990	93.5	0.85	48.5	6.1	1940	1.8	2.6	11	2400	3000	40
HMCA2 400H-6	6	220	990	94.1	0.86	52.5	5.6	2120	1.56	2.46	14	2900	3000	40
HMCA2 400H1-6	6	250	990	94.2	0.85	60	6	2420	1.7	2.55	16	3000	3000	40
HMCA2 400H2-6	6	280	990	94.4	0.86	66.5	6	2700	1.74	2.55	18	3200	3000	40
HMCA2 400H3-6	6	315	990	94.5	0.86	74.5	6	3050	1.74	2.5	20	3400	3000	40
HMCA2 450H-6	6	355	990	94.7	0.86	83.5	5.4	3450	1.02	2.3	28	3500	3000	40
HMCA2 450H1-6	6	400	990	95	0.86	94	5.5	3850	1.04	2.3	30	3600	3000	40
HMCA2 450H2-6	6	450	990	95.2	0.86	106	5.8	4350	1.14	2.38	32	3700	3000	40
HMCA2 450H3-6	6	500	990	95.3	0.87	116	5.5	4850	1.08	2.26	34	3820	3000	40
HMCA2 500H-6	6	560	990	95.5	0.85	134	6.1	5400	1	2.14	54	5610	3000	40
HMCA2 500H1-6	6	630	990	95.8	0.85	148	6.1	6050	1.02	2.1	58	5790	3000	40
HMCA2 500H2-6	6	710	990	95.8	0.86	166	5.7	6850	0.95	1.94	62	6010	3000	40
HMCA2 500H3-6	6	800	990	96	0.86	188	6.1	7700	1.06	2.02	66	6230	3000	40
HMCA2 560H-6	6	900	1000	96	0.85	214	5.9	8650	0.73	2.6	94	7650	3000	40
HMCA2 560H1-6	6	1000	1000	96.1	0.85	236	6	9600	0.75	2.55	102	7950	3000	40
HMCA2 560H2-6	6	1120	1000	96.3	0.85	265	6.2	10750	0.8	2.6	110	8250	3000	40
HMCA2 560H3-6	6	1250	1000	96.4	0.85	295	6.6	12000	0.9	2.7	118	8550	3000	40

8 pole 40°
3000 V

Motor type	Pole	Power	Speed	Efficiency	Cos Ø	Current	Ist/In	T norm	Tst/Tn	Tmax/Tn	IM	Weight	Voltage	Ambient temperature
		kW	RPM	%		A		Nm		J (kgm ²)	kg			V

HMCA2 3000 V, 50 Hz, ambient temperature 40°

HMCA2 400H-8	8	160	740	93.8	0.81	40.5	4.5	2060	1.38	2.04	15	3000	3000	40
HMCA2 400H1-8	8	185	740	93.8	0.81	47	4.7	2380	1.48	2.08	16	3100	3000	40
HMCA2 400H2-8	8	200	740	94	0.8	51.5	5.3	2550	1.76	2.36	18	3200	3000	40
HMCA2 400H3-8	8	220	740	94.1	0.8	56.5	5.1	2850	1.64	2.3	20	3300	3000	40
HMCA2 450H-8	8	250	740	94.2	0.81	63.5	5.3	3200	1.2	2.3	28	3500	3000	40
HMCA2 450H1-8	8	280	740	94.3	0.8	72	4.9	3600	1.1	2.26	30	3600	3000	40
HMCA2 450H2-8	8	315	740	94.6	0.82	78.5	5.1	4050	1.16	2.18	32	3700	3000	40
HMCA2 450H3-8	8	355	740	94.8	0.82	88.5	5.3	4600	1.22	2.18	34	3820	3000	40
HMCA2 500H-8	8	400	740	95	0.83	98	5.3	5150	1.02	2.38	54	5250	3000	40
HMCA2 500H1-8	8	450	740	95.2	0.84	108	5.1	5800	0.99	2.26	58	5490	3000	40
HMCA2 500H2-8	8	500	740	95.4	0.84	120	5.1	6450	1	2.24	62	5750	3000	40
HMCA2 500H3-8	8	560	740	95.5	0.84	134	5.2	7200	1.04	2.26	66	6020	3000	40
HMCA2 560H-8	8	630	740	95.4	0.82	154	5.1	8100	0.93	2.28	96	7000	3000	40
HMCA2 560H1-8	8	710	740	95.6	0.82	174	5.4	9100	1.02	2.36	105	7350	3000	40
HMCA2 560H2-8	8	800	740	95.8	0.83	194	5	10250	0.93	2.12	110	7700	3000	40
HMCA2 560H3-8	8	900	740	95.9	0.82	220	5.5	11550	1.08	2.3	116	8100	3000	40

2 pole 40°
3300 V

Motor type	Pole	Power	Speed	Efficiency	Cos Ø	Current	Ist/In	T norm	Tst/Tn	Tmax/Tn	IM	Weight	Voltage	Ambient temperature
		kW	RPM	%		A		Nm		J (kgm ²)	kg			V

HMCA2 3300 V, 50 Hz, ambient temperature 40°

HMCA2 355H-2	2	185	2970	93.8	0.90	38.0	6.7	595	0.85	3.45	2.6	1900	3300	40
HMCA2 355H1-2	2	200	2970	94.0	0.91	40.5	6.6	645	0.85	3.35	2.8	2000	3300	40
HMCA2 355H2-2	2	220	2980	94.1	0.90	45.5	7.1	705	1.32	3.60	3.0	2100	3300	40
HMCA2 355H3-2	2	250	2980	94.4	0.91	51.0	6.8	805	1.28	3.35	3.3	2200	3300	40
HMCA2 355H4-2	2	280	2970	94.7	0.91	56.5	6.6	900	1.28	3.25	3.5	2350	3300	40
HMCA2 400H-2	2	315	2970	94.6	0.90	64.5	6.7	1020	1.24	3.20	5.0	2900	3300	40
HMCA2 400H1-2	2	355	2980	94.9	0.90	72.5	7.0	1140	1.34	3.30	5.5	3000	3300	40
HMCA2 400H2-2	2	400	2980	95.1	0.91	81.0	7.0	1280	1.38	3.25	6.0	3100	3300	40
HMCA2 400H3-2	2	450	2980	95.3	0.91	90.5	7.1	1440	1.44	3.20	7.0	3200	3300	40
HMCA2 450H-2	2	500	2980	95.1	0.91	102	5.3	1600	0.48	2.75	11	3500	3300	40
HMCA2 450H1-2	2	560	2980	95.3	0.91	114	5.5	1800	0.5	2.75	12	3600	3300	40
HMCA2 450H2-2	2	630	2980	95.5	0.91	126	5.1	2020	0.47	2.55	13	3700	3300	40
HMCA2 450H3-2	2	710	2980	95.7	0.91	142	5.4	2280	0.51	2.7	14	3850	3300	40
HMCA2 500H-2	2	800	2990	95.9	0.89	164	6	2550	0.46	3.1	17	5780	3300	40
HMCA2 500H1-2	2	900	2990	96	0.89	184	6.2	2900	0.46	3.2	19	6050	3300	40
HMCA2 500H2-2	2	1000	2990	96	0.89	206	6.4	3200	0.49	3.25	21	6320	3300	40
HMCA2 500H3-2	2	1120	2990	96.2	0.89	228	6.4	3600	0.5	3.25	23	6600	3300	40
HMCA2 560H-2	2	1250	2990	96.6	0.9	250	6.4	4000	0.4	3.35	24	8400	3300	40
HMCA2 560H1-2	2	1400	2990	96.8	0.91	280	6.1	4450	0.38	3.1	30	8800	3300	40
HMCA2 560H2-2	2	1600	2990	96.9	0.91	315	6.4	5100	0.41	3.25	33	9200	3300	40

4 pole 40°
3300 V

Motor type	Pole	Power	Speed	Efficiency	Cos Ø	Current	Ist/In	T norm	Tst/Tn	Tmax/Tn	IM	Weight	Voltage	Ambient temperature
		kW	RPM	%		A		Nm			J (kgm ²)			kg

HMCA2 3300 V, 50 Hz, ambient temperature 40°

HMCA2 355H-4	4	185	1480	94.5	0.84	40.5	5.8	1180	1.22	2.60	6.0	1900	3300	40
HMCA2 355H1-4	4	200	1490	94.4	0.83	44.5	6.4	1280	1.94	2.95	7.0	2000	3300	40
HMCA2 355H2-4	4	220	1480	94.7	0.86	47.5	5.7	1420	1.22	2.50	8.0	2100	3300	40
HMCA2 355H3-4	4	250	1480	94.7	0.85	54.5	6.5	1600	2.00	2.85	9.0	2200	3300	40
HMCA2 355H4-4	4	280	1490	94.7	0.84	61.5	6.9	1800	2.16	3.00	10	2300	3300	40
HMCA2 400H-4	4	315	1490	94.9	0.88	66.5	6.6	2020	1.96	2.85	11	3000	3300	40
HMCA2 400H1-4	4	355	1490	95.0	0.88	74.5	6.5	2280	1.96	2.80	12	3100	3300	40
HMCA2 400H2-4	4	400	1490	95.1	0.88	83.5	6.5	2550	2.00	2.75	13	3200	3300	40
HMCA2 400H3-4	4	450	1490	94.9	0.89	114.0	6.1	3200	0.91	2.34	14	3300	3300	40
HMCA2 450H-4	4	500	1490	94.9	0.89	104.0	6.0	3200	0.89	2.32	22	3600	3300	40
HMCA2 450H1-4	4	560	1490	95.1	0.89	116.0	6.2	3600	0.97	2.34	24	3700	3300	40
HMCA2 450H2-4	4	630	1490	95.2	0.89	130.0	5.6	4050	0.86	2.14	26	3800	3300	40
HMCA2 450H3-4	4	710	1490	95.4	0.90	146.0	6.3	4550	1.02	2.28	28	3950	3300	40
HMCA2 500H-4	4	800	1490	96.0	0.88	166.0	6.6	5100	0.94	2.36	41	5820	3300	40
HMCA2 500H1-4	4	900	1490	96.1	0.88	186.0	6.3	5750	0.90	2.22	44	6100	3300	40
HMCA2 500H2-4	4	1000	1490	96.4	0.88	206.0	6.9	6400	1.04	2.34	47	6280	3300	40
HMCA2 500H3-4	4	1120	1490	96.5	0.87	232.0	6.6	7150	0.97	2.12	50	6420	3300	40
HMCA2 560H-4	4	1250	1490	96.3	0.90	250.0	6.1	8000	0.77	2.20	70	8020	3300	40
HMCA2 560H1-4	4	1400	1490	96.5	0.90	280.0	6.6	8950	0.88	2.32	74	8390	3300	40
HMCA2 560H2-4	4	1600	1490	96.6	0.90	320.0	6.6	10250	0.90	2.28	78	8750	3300	40
HMCA2 560H3-4	4	1800	1490	96.8	0.90	360.0	6.0	11500	0.82	2.06	82	9100	3300	40

6 pole 40°
3300 V

Motor type	Pole	Power	Speed	Efficiency	Cos Ø	Current	Ist/In	T norm	Tst/Tn	Tmax/Tn	IM	Weight	Voltage	Ambient temperature
		kW	RPM	%		A		Nm		J (kgm ²)	kg			V

HMCA2 3300 V, 50 Hz, ambient temperature 40°

HMCA2 355H-6	6	160	990	93.3	0.84	35.5	5.2	1540	1.52	2.20	9.0	2200	3300	40
HMCA2 355H1-6	6	185	990	93.4	0.85	41.0	5.8	1800	1.66	2.48	10	2300	3300	40
HMCA2 355H2-6	6	200	990	93.5	0.85	44.0	6.0	1940	1.76	2.55	11	2400	3300	40
HMCA2 400H-6	6	220	990	94.1	0.86	47.5	5.5	2120	1.50	2.40	14	2900	3300	40
HMCA2 400H1-6	6	250	990	94.2	0.85	54.5	6.2	2400	1.78	2.65	16	3000	3300	40
HMCA2 400H2-6	6	280	990	94.4	0.85	61.0	6.1	2700	1.76	2.60	18	3200	3300	40
HMCA2 400H3-6	6	315	990	94.5	0.86	68.0	6.0	3050	1.74	2.50	20	3400	3300	40
HMCA2 450H-6	6	355	990	94.7	0.86	76.0	5.4	3400	1.02	2.32	28	3500	3300	40
HMCA2 450H1-6	6	400	990	95.0	0.86	85.0	5.4	3850	1.04	2.28	30	3600	3300	40
HMCA2 450H2-6	6	450	990	95.1	0.87	95.5	5.6	4350	1.08	2.30	32	3700	3300	40
HMCA2 450H3-6	6	500	990	95.3	0.87	106.0	5.2	4850	1.02	2.16	34	3820	3300	40
HMCA2 500H-6	6	560	990	95.4	0.85	120.0	5.8	5400	0.95	2.06	54	5610	3300	40
HMCA2 500H1-6	6	630	990	95.7	0.85	136.0	6.1	6050	1.04	2.10	58	5790	3300	40
HMCA2 500H2-6	6	710	740	95.9	0.83	198.0	4.9	11550	0.94	2.12	62	6010	3300	40
HMCA2 500H3-6	6	800	990	96.0	0.86	170.0	5.8	7700	0.99	1.94	66	6230	3300	40
HMCA2 560H-6	6	900	990	96.0	0.85	192.0	5.5	8650	0.66	2.46	94	7650	3300	40
HMCA2 560H1-6	6	1000	1000	96.1	0.85	214.0	6.1	9600	0.78	2.60	102	7950	3300	40
HMCA2 560H2-6	6	1120	1000	96.3	0.85	238.0	6.2	10750	0.80	2.60	110	8250	3300	40
HMCA2 560H3-6	6	1250	1000	96.4	0.85	265.0	6.4	12000	0.87	2.60	118	8550	3300	40

8 pole 40° 3300 V

Motor type	Pole	Power	Speed	Efficiency	Cos Ø	Current	Ist/In	T norm	Tst/Tn	Tmax/Tn	IM	Weight	Voltage	Ambient temperature
		kW	RPM	%		A		Nm		J (kgm ²)	kg			V

HMCA2 3300 V, 50 Hz, ambient temperature 40°

HMCA2 400H-8	8	160	740	93.7	0.81	37.0	4.4	2060	1.34	2.00	15	3000	3300	40
HMCA2 400H1-8	8	185	740	93.8	0.81	42.5	4.7	2380	1.52	2.12	16	3100	3300	40
HMCA2 400H2-8	8	200	740	94.0	0.80	46.5	5.2	2550	1.74	2.34	18	3200	3300	40
HMCA2 400H3-8	8	220	740	94.1	0.80	51.0	4.9	2850	1.54	2.22	20	3300	3300	40
HMCA2 450H-8	8	250	740	94.0	0.81	57.5	5.1	3200	1.16	2.22	28	3500	3300	40
HMCA2 450H1-8	8	280	740	94.4	0.79	65.5	5.0	3600	1.12	2.34	30	3600	3300	40
HMCA2 450H2-8	8	315	740	94.6	0.81	71.5	5.2	4050	1.20	2.20	32	3700	3300	40
HMCA2 450H3-8	8	355	740	94.7	0.82	80.5	5.2	4600	1.22	2.18	34	3820	3300	40
HMCA2 500H-8	8	400	740	95.0	0.83	88.5	5.0	5150	0.94	2.26	54	5250	3300	40
HMCA2 500H1-8	8	450	740	95.2	0.83	99.0	5.2	5800	1.00	2.30	58	5490	3300	40
HMCA2 500H2-8	8	500	740	95.3	0.84	110.0	5.1	6450	1.00	2.24	62	5750	3300	40
HMCA2 500H3-8	8	560	740	95.5	0.84	122.0	5.1	7200	1.00	2.20	66	6020	3300	40
HMCA2 560H-8	8	630	740	95.3	0.82	140.0	5.0	8100	0.93	2.26	96	7000	3300	40
HMCA2 560H1-8	8	710	740	95.5	0.83	158.0	5.2	9100	0.98	2.28	105	7350	3300	40
HMCA2 560H2-8	8	800	740	95.8	0.83	176.0	5.0	10250	0.95	2.14	110	7700	3300	40
HMCA2 560H3-8	8	900	740	95.9	0.83	198.0	4.9	11550	0.94	2.12	116	8100	3300	40

2 pole 40°
6000 V

Motor type	Pole	Power	Speed	Efficiency	Cos Ø	Current	Ist/In	T norm	Tst/Tn	Tmax/Tn	IM	Weight	Voltage	Ambient temperature
		kW	RPM	%		A		Nm		J (kgm ²)	kg			V

HMCA2 6000 V, 50 Hz, ambient temperature 40°

HMCA2 355H-2	2	185	2970	93.84	0.90	21.0	6.9	595	0.87	3.55	2.6	1900	6000	40
HMCA2 355H1-2	2	200	2970	94.0	0.91	22.4	6.8	645	0.89	3.45	2.8	2000	6000	40
HMCA2 355H2-2	2	220	2980	94.1	0.90	25.0	7.1	705	1.32	3.60	3.0	2100	6000	40
HMCA2 355H3-2	2	250	2980	94.5	0.91	28.0	6.8	805	1.30	3.40	3.3	2200	6000	40
HMCA2 355H4-2	2	280	2970	94.8	0.91	31.0	6.8	900	1.32	3.35	3.5	2350	6000	40
HMCA2 400H-2	2	315	2980	94.6	0.90	35.5	6.9	1020	1.28	3.30	5.0	2900	6000	40
HMCA2 400H1-2	2	355	2970	94.9	0.90	40.0	6.8	1140	1.30	3.20	5.5	3000	6000	40
HMCA2 400H2-2	2	400	2970	95.2	0.91	44.5	6.9	1280	1.36	3.20	6.0	3100	6000	40
HMCA2 400H3-2	2	450	2980	95.4	0.91	50.0	7.1	1440	1.44	3.20	7.0	3200	6000	40
HMCA2 450H-2	2	500	2980	95.1	0.91	56.0	5.3	1600	0.47	2.70	11	3500	6000	40
HMCA2 450H1-2	2	560	2980	95.3	0.91	62.5	5.5	1800	0.50	2.80	12	3600	6000	40
HMCA2 450H2-2	2	630	2980	95.5	0.91	69.5	5.3	2020	0.48	2.65	13	3700	6000	40
HMCA2 450H3-2	2	710	2980	95.7	0.91	78.0	5.7	2280	0.54	2.85	14	3850	6000	40
HMCA2 500H-2	2	800	2990	95.9	0.89	90.5	6.4	2550	0.49	3.30	17	5780	6000	40
HMCA2 500H1-2	2	900	2990	96.0	0.89	102.0	5.9	2900	0.43	3.00	19	6050	6000	40
HMCA2 500H2-2	2	1000	2990	96.1	0.89	112.0	6.2	3200	0.46	3.15	21	6320	6000	40
HMCA2 500H3-2	2	1120	2990	96.2	0.89	126.0	6.3	3600	0.49	3.20	23	6600	6000	40
HMCA2 560H-2	2	1250	2990	96.5	0.90	138.0	6.5	4000	0.41	3.40	24	8400	6000	40
HMCA2 560H1-2	2	1400	2990	96.7	0.91	154.0	6.3	4450	0.40	3.25	30	8800	6000	40
HMCA2 560H2-2	2	1600	2990	96.9	0.91	176.0	6.8	5100	0.44	3.45	33	9200	6000	40

4 pole 40°
6000 V

Motor type	Pole	Power	Speed	Efficiency	Cos Ø	Current	Ist/In	T norm	Tst/Tn	Tmax/Tn	IM	Weight	Voltage	Ambient temperature
		kW	RPM	%		A		Nm			J (kgm ²)			kg

HMCA2 6000 V, 50 Hz, ambient temperature 40°

HMCA2 355H-4	4	185	1480	94.6	0.84	22.4	5.8	1180	1.24	2.65	6.0	1900	6000	40
HMCA2 355H1-4	4	200	1490	94.5	0.83	24.4	6.3	1280	1.90	2.90	7.0	2000	6000	40
HMCA2 355H2-4	4	220	1480	94.7	0.85	26.0	5.9	1420	1.30	2.60	8.0	2100	6000	40
HMCA2 355H3-4	4	250	1490	94.7	0.84	30.0	6.7	1600	2.06	2.95	9.0	2200	6000	40
HMCA2 355H4-4	4	280	1490	94.8	0.84	33.5	6.6	1800	2.06	2.90	10	2300	6000	40
HMCA2 400H-4	4	315	1490	94.9	0.88	36.5	6.4	2020	1.92	2.75	11	3000	6000	40
HMCA2 400H1-4	4	355	1490	95.0	0.88	41.0	6.4	2280	1.94	2.75	12	3100	6000	40
HMCA2 400H2-4	4	400	1490	95.1	0.88	46.0	6.6	2550	2.04	2.75	13	3200	6000	40
HMCA2 400H3-4	4	450	1490	95.2	0.88	52.0	6.4	2900	2.16	2.75	14	3300	6000	40
HMCA2 450H-4	4	500	1490	94.9	0.89	56.5	6.1	3200	0.91	2.34	22	3600	6000	40
HMCA2 450H1-4	4	560	1490	95.1	0.89	63.5	6.5	3600	1.02	2.44	24	3700	6000	40
HMCA2 450H2-4	4	630	1490	95.2	0.89	71.0	6.0	4050	0.93	2.24	26	3800	6000	40
HMCA2 450H3-4	4	710	1490	95.4	0.90	80.0	5.8	4550	0.92	2.14	28	3950	6000	40
HMCA2 500H-4	4	800	1490	96.0	0.88	91.5	6.7	5100	0.97	2.38	41	5820	6000	40
HMCA2 500H1-4	4	900	1490	96.1	0.88	102.0	6.5	5750	0.95	2.30	44	6100	6000	40
HMCA2 500H2-4	4	1000	1490	96.4	0.88	114.0	6.6	6400	0.99	2.28	47	6280	6000	40
HMCA2 500H3-4	4	1120	1490	96.5	0.88	128.0	6.6	7150	0.99	2.16	50	6420	6000	40
HMCA2 560H-4	4	1250	1490	96.3	0.90	138.0	6.5	8000	0.84	2.34	70	8020	6000	40
HMCA2 560H1-4	4	1400	1490	96.5	0.90	154.0	6.6	8950	0.86	2.30	74	8390	6000	40
HMCA2 560H2-4	4	1600	1490	96.6	0.90	176.0	6.7	10250	0.92	2.30	78	8750	6000	40
HMCA2 560H3-4	4	1800	1490	96.7	0.90	198.0	6.2	11500	0.85	2.10	82	9100	6000	40

6 pole 40°
6000 V

Motor type	Pole	Power	Speed	Efficiency	Cos Ø	Current	Ist/In	T norm	Tst/Tn	Tmax/Tn	IM	Weight	Voltage	Ambient temperature
		kW	RPM	%		A		Nm			J (kgm ²)			kg

HMCA2 6000 V, 50 Hz, ambient temperature 40°

HMCA2 355H-6	6	160	990	93.2	0.84	19.8	5.6	1540	1.70	2.38	9.0	2200	6000	40
HMCA2 355H1-6	6	185	990	93.5	0.85	22.6	5.8	1800	1.68	2.48	10	2300	6000	40
HMCA2 355H2-6	6	200	990	93.5	0.85	24.4	6.1	1940	1.80	2.60	11	2400	6000	40
HMCA2 400H-6	6	220	990	94.1	0.86	26.5	5.6	2120	1.56	2.46	14	2900	6000	40
HMCA2 400H1-6	6	250	990	94.2	0.85	30.0	6.0	2420	1.70	2.55	16	3000	6000	40
HMCA2 400H2-6	6	280	990	94.4	0.86	33.5	6.0	2700	1.74	2.55	18	3200	6000	40
HMCA2 400H3-6	6	315	990	94.5	0.86	37.5	6.0	3050	1.74	2.50	20	3400	6000	40
HMCA2 450H-6	6	355	990	94.7	0.86	42.0	5.4	3450	1.02	2.30	28	3500	6000	40
HMCA2 450H1-6	6	400	990	95.0	0.86	47.0	5.5	3850	1.04	2.30	30	3600	6000	40
HMCA2 450H2-6	6	450	990	95.2	0.86	52.5	5.8	4350	1.14	2.38	32	3700	6000	40
HMCA2 450H3-6	6	500	990	95.3	0.87	58.0	5.5	4850	1.08	2.26	34	3820	6000	40
HMCA2 500H-6	6	560	990	95.5	0.85	66.5	6.1	5400	1.00	2.14	54	5610	6000	40
HMCA2 500H1-6	6	630	990	95.8	0.85	74.5	6.1	6050	1.02	2.10	58	5790	6000	40
HMCA2 500H2-6	6	710	990	95.8	0.86	83.5	5.7	6850	0.95	1.94	62	6010	6000	40
HMCA2 500H3-6	6	800	990	96.0	0.86	93.5	6.1	7700	1.06	2.02	66	6230	6000	40
HMCA2 560H-6	6	900	1000	96.0	0.85	106.0	5.9	8650	0.73	2.60	94	7650	6000	40
HMCA2 560H1-6	6	1000	1000	96.1	0.85	118.0	6.0	9600	0.75	2.55	102	7950	6000	40
HMCA2 560H2-6	6	1120	1000	96.3	0.85	132.0	6.2	10750	0.80	2.60	110	8250	6000	40
HMCA2 560H3-6	6	1250	1000	96.4	0.85	146.0	6.6	12000	0.90	2.70	118	8550	6000	40

8 pole 40°
6000 V

Motor type	Pole	Power	Speed	Efficiency	Cos Ø	Current	Ist/In	T norm	Tst/Tn	Tmax/Tn	IM	Weight	Voltage	Ambient temperature
		kW	RPM	%		A		Nm		J (kgm ²)	kg			V

HMCA2 6000 V, 50 Hz, ambient temperature 40°

HMCA2 400H-8	8	160	740	93.8	0.81	20.4	4.5	2060	1.38	2.04	15	3000	6000	40
HMCA2 400H1-8	8	185	740	93.8	0.81	23.4	4.7	2380	1.48	2.08	16	3100	6000	40
HMCA2 400H2-8	8	200	740	94.0	0.80	25.5	5.3	2550	1.76	2.36	18	3200	6000	40
HMCA2 400H3-8	8	220	740	94.1	0.80	28.5	5.1	2850	1.64	2.30	20	3300	6000	40
HMCA2 450H-8	8	250	740	94.2	0.81	31.5	5.3	3200	1.20	2.30	28	3500	6000	40
HMCA2 450H1-8	8	280	740	94.3	0.80	36.0	4.9	3600	1.10	2.26	30	3600	6000	40
HMCA2 450H2-8	8	315	740	94.6	0.82	39.5	5.1	4050	1.16	2.18	32	3700	6000	40
HMCA2 450H3-8	8	355	740	94.8	0.82	44.0	5.3	4600	1.22	2.18	34	3820	6000	40
HMCA2 500H-8	8	400	740	95.0	0.83	49.0	5.3	5150	1.02	2.38	54	5250	6000	40
HMCA2 500H1-8	8	450	740	95.2	0.84	54.5	5.1	5800	0.99	2.26	58	5490	6000	40
HMCA2 500H2-8	8	500	740	95.4	0.84	60.0	5.1	6450	1.00	2.24	62	5750	6000	40
HMCA2 500H3-8	8	560	740	95.5	0.84	67.0	5.2	7200	1.04	2.26	66	6020	6000	40
HMCA2 560H-8	8	630	740	95.4	0.82	77.0	5.1	8100	0.93	2.28	96	7000	6000	40
HMCA2 560H1-8	8	710	740	95.6	0.82	87.0	5.4	9100	1.02	2.36	105	7350	6000	40
HMCA2 560H2-8	8	800	740	95.8	0.83	97.0	5.0	10250	0.93	2.12	110	7700	6000	40
HMCA2 560H3-8	8	900	740	95.9	0.82	110.0	5.5	11550	1.08	2.30	116	8100	6000	40

2 pole 40°
6600 V

Motor type	Pole	Power	Speed	Efficiency	Cos Ø	Current	Ist/In	T norm	Tst/Tn	Tmax/Tn	IM	Weight	Voltage	Ambient temperature
		kW	RPM	%		A		Nm			J (kgm ²)			kg

HMCA2 6600 V, 50 Hz, ambient temperature 40°

HMCA2 355H-2	2	185	2970	93.8	0.90	19.0	6.7	595	0.85	3.45	2.6	1900	6600	40
HMCA2 355H1-2	2	200	2970	94.0	0.91	20.4	6.6	645	0.85	3.35	2.8	2000	6600	40
HMCA2 355H2-2	2	220	2980	94.1	0.90	22.8	7.1	705	1.32	3.60	3.0	2100	6600	40
HMCA2 355H3-2	2	250	2980	94.4	0.91	25.5	6.8	805	1.28	3.35	3.3	2200	6600	40
HMCA2 355H4-2	2	280	2970	94.7	0.91	28.5	6.6	900	1.28	3.25	3.5	2350	6600	40
HMCA2 400H-2	2	315	2970	94.6	0.90	32.5	6.7	1020	1.24	3.20	5.0	2900	6600	40
HMCA2 400H1-2	2	355	2980	94.9	0.90	36.5	7.0	1140	1.34	3.30	5.5	3000	6600	40
HMCA2 400H2-2	2	400	2980	95.1	0.91	40.5	7.0	1280	1.38	3.25	6.0	3100	6600	40
HMCA2 400H3-2	2	450	2980	95.3	0.91	45.5	7.1	1440	1.44	3.20	7.0	3200	6600	40
HMCA2 450H-2	2	500	2980	95.1	0.91	51.0	5.3	1600	0.48	2.75	11.0	3500	6600	40
HMCA2 450H1-2	2	560	2980	95.3	0.91	56.5	5.5	1800	0.50	2.75	12.0	3600	6600	40
HMCA2 450H2-2	2	630	2980	95.5	0.91	63.0	5.1	2020	0.47	2.55	13.0	3700	6600	40
HMCA2 450H3-2	2	710	2980	95.7	0.91	71.0	5.4	2280	0.51	2.70	14.0	3850	6600	40
HMCA2 500H-2	2	800	2990	95.9	0.89	81.5	6.0	2550	0.46	3.10	17.0	5780	6600	40
HMCA2 500H1-2	2	900	2990	96.0	0.89	92.5	6.2	2900	0.46	3.20	19.0	6050	6600	40
HMCA2 500H2-2	2	1000	2990	96.0	0.89	102.0	6.4	3200	0.49	3.25	21.0	6320	6600	40
HMCA2 500H3-2	2	1120	2990	96.2	0.89	114.0	6.4	3600	0.50	3.25	23.0	6600	6600	40
HMCA2 560H-2	2	1250	2990	96.6	0.90	126.0	6.4	4000	0.40	3.35	24	8400	6600	40
HMCA2 560H1-2	2	1400	2990	96.8	0.91	140.0	6.1	4450	0.38	3.10	30	8800	6600	40
HMCA2 560H2-2	2	1600	2990	96.9	0.91	158.0	6.4	5100	0.41	3.25	33	9200	6600	40

4 pole 40° 6600 V

Motor type	Pole	Power	Speed	Efficiency	Cos Ø	Current	Ist/In	T norm	Tst/Tn	Tmax/Tn	IM	Weight	Voltage	Ambient temperature
		kW	RPM	%		A		Nm		J (kgm ²)	kg			V

HMCA2 6600 V, 50 Hz, ambient temperature 40°

HMCA2 355H-4	4	185	1480	94.5	0.84	20.2	5.8	1180	1.22	2.60	6.0	1900	6600	40
HMCA2 355H1-4	4	200	1490	94.4	0.83	22.2	6.4	1280	1.94	2.95	7.0	2000	6600	40
HMCA2 355H2-4	4	220	1480	94.7	0.86	23.8	5.7	1420	1.22	2.50	8.0	2100	6600	40
HMCA2 355H3-4	4	250	1480	94.7	0.85	27.5	6.5	1600	2.00	2.85	9.0	2200	6600	40
HMCA2 355H4-4	4	280	1490	94.7	0.84	31.0	6.9	1800	2.16	3.00	10	2300	6600	40
HMCA2 400H-4	4	315	1490	94.9	0.88	33.0	6.6	2020	1.96	2.85	11.0	3000	6600	40
HMCA2 400H1-4	4	355	1490	95.0	0.88	37.0	6.5	2280	1.96	2.80	12.0	3100	6600	40
HMCA2 400H2-4	4	400	1490	95.1	0.88	42.0	6.5	2550	2.00	2.75	13.0	3200	6600	40
HMCA2 400H3-4	4	450	1490	94.9	0.89	56.5	6.1	3200	0.91	2.34	14.0	3300	6600	40
HMCA2 450H-4	4	500	1490	94.9	0.89	51.5	6.0	3200	0.89	2.32	22.0	3600	6600	40
HMCA2 450H1-4	4	560	1490	95.1	0.89	57.5	6.2	3600	0.97	2.34	24.0	3700	6600	40
HMCA2 450H2-4	4	630	1490	95.2	0.89	64.5	5.6	4050	0.86	2.14	26.0	3800	6600	40
HMCA2 450H3-4	4	710	1490	95.4	0.90	72.5	6.3	4550	1.02	2.28	28.0	3950	6600	40
HMCA2 500H-4	4	800	1490	96.0	0.88	83.0	6.6	5100	0.94	2.36	41.0	5820	6600	40
HMCA2 500H1-4	4	900	1490	96.1	0.88	93.0	6.3	5750	0.90	2.22	44.0	6100	6600	40
HMCA2 500H2-4	4	1000	1490	96.4	0.88	104.0	6.9	6400	1.04	2.34	47.0	6280	6600	40
HMCA2 500H3-4	4	1120	1490	96.5	0.87	116.0	6.6	7150	0.97	2.12	50	6420	6600	40
HMCA2 560H-4	4	1250	1490	96.3	0.90	126.0	6.1	8000	0.77	2.20	70	8020	6600	40
HMCA2 560H1-4	4	1400	1490	96.5	0.90	140.0	6.6	8950	0.88	2.32	74	8390	6600	40
HMCA2 560H2-4	4	1600	1490	96.6	0.90	160.0	6.6	10250	0.90	2.28	78	8750	6600	40
HMCA2 560H3-4	4	1800	1490	96.8	0.90	180.0	6.0	11500	0.82	2.06	82	9100	6600	40

6 pole 40° 6600 V

Motor type	Pole	Power	Speed	Efficiency	Cos Ø	Current	Ist/In	T norm	Tst/Tn	Tmax/Tn	IM	Weight	Voltage	Ambient temperature
		kW	RPM	%		A		Nm		J (kgm ²)	kg			V

HMCA2 6600 V, 50 Hz, ambient temperature 40°

HMCA2 355H-6	6	160	990	93.3	0.84	17.8	5.2	1540	1.52	2.20	9.0	2200	6600	40
HMCA2 355H1-6	6	185	990	93.4	0.85	20.4	5.8	1800	1.66	2.48	10	2300	6600	40
HMCA2 355H2-6	6	200	990	93.5	0.85	22.0	6.0	1940	1.76	2.55	11	2400	6600	40
HMCA2 400H-6	6	220	990	94.1	0.86	23.8	5.5	2120	1.50	2.40	14	2900	6600	40
HMCA2 400H1-6	6	250	990	94.2	0.85	27.5	6.2	2400	1.78	2.65	16	3000	6600	40
HMCA2 400H2-6	6	280	990	94.4	0.85	30.5	6.1	2700	1.76	2.60	18	3200	6600	40
HMCA2 400H3-6	6	315	990	94.5	0.86	34.0	6.0	3050	1.74	2.50	20.0	3400	6600	40
HMCA2 450H-6	6	355	990	94.7	0.86	38.0	5.4	3400	1.02	2.32	28.0	3500	6600	40
HMCA2 450H1-6	6	400	990	95.0	0.86	42.5	5.4	3850	1.04	2.28	30.0	3600	6600	40
HMCA2 450H2-6	6	450	990	95.1	0.87	48.0	5.6	4350	1.08	2.30	32.0	3700	6600	40
HMCA2 450H3-6	6	500	990	95.3	0.87	53.0	5.2	4850	1.02	2.16	34.0	3820	6600	40
HMCA2 500H-6	6	560	990	95.4	0.85	60.5	5.8	5400	0.95	2.06	54.0	5610	6600	40
HMCA2 500H1-6	6	630	990	95.7	0.85	67.5	6.1	6050	1.04	2.10	58.0	5790	6600	40
HMCA2 500H2-6	6	710	740	95.9	0.83	99.5	4.9	11550	0.94	2.12	62.0	6010	6600	40
HMCA2 500H3-6	6	800	990	96.0	0.86	85.0	5.8	7700	0.99	1.94	66.0	6230	6600	40
HMCA2 560H-6	6	900	990	96.0	0.85	96.5	5.5	8650	0.66	2.46	94.0	7650	6600	40
HMCA2 560H1-6	6	1000	1000	96.1	0.85	108.0	6.1	9600	0.78	2.60	102.0	7950	6600	40
HMCA2 560H2-6	6	1120	1000	96.3	0.85	120.0	6.2	10750	0.80	2.60	110	8250	6600	40
HMCA2 560H3-6	6	1250	1000	96.4	0.85	134.0	6.4	12000	0.87	2.60	118	8550	6600	40

8 pole 40° 6600 V

Motor type	Pole	Power	Speed	Efficiency	Cos ϕ	Current	Ist/ In	T norm	Tst/Tn	Tmax/ Tn	IM	Weight kg	Voltage V	Ambient temperature
		kW	RPM	%		A		Nm		J (kgm ²)	°C			

HMCA2 6600 V, 50 Hz, ambient temperature 40°

HMCA2 400H-8	8	160	740	93.7	0.81	18.4	4.4	2060	1.34	2.00	15	3000	6600	40
HMCA2 400H1-8	8	185	740	93.8	0.81	21.4	4.7	2380	1.52	2.12	16	3100	6600	40
HMCA2 400H2-8	8	200	740	94.0	0.80	23.4	5.2	2550	1.74	2.34	18	3200	6600	40
HMCA2 400H3-8	8	220	740	94.1	0.80	25.5	4.9	2850	1.54	2.22	20	3300	6600	40
HMCA2 450H-8	8	250	740	94.0	0.81	28.5	5.1	3200	1.16	2.22	28	3500	6600	40
HMCA2 450H1-8	8	280	740	94.4	0.79	33.0	5.0	3600	1.12	2.34	30	3600	6600	40
HMCA2 450H2-8	8	315	740	94.6	0.81	36.0	5.2	4050	1.20	2.20	32.0	3700	6600	40
HMCA2 450H3-8	8	355	740	94.7	0.82	40.0	5.2	4600	1.22	2.18	34.0	3820	6600	40
HMCA2 500H-8	8	400	740	95.0	0.83	44.5	5.0	5150	0.94	2.26	54.0	5250	6600	40
HMCA2 500H1-8	8	450	740	95.2	0.83	49.5	5.2	5800	1.00	2.30	58.0	5490	6600	40
HMCA2 500H2-8	8	500	740	95.3	0.84	54.5	5.1	6450	1.00	2.24	62.0	5750	6600	40
HMCA2 500H3-8	8	560	740	95.5	0.84	61.0	5.1	7200	1.00	2.20	66.0	6020	6600	40
HMCA2 560H-8	8	630	740	95.3	0.82	70.0	5.0	8100	0.93	2.26	96.0	7000	6600	40
HMCA2 560H1-8	8	710	740	95.5	0.83	78.5	5.2	9100	0.98	2.28	105.0	7350	6600	40
HMCA2 560H2-8	8	800	740	95.8	0.83	88.5	5.0	10250	0.95	2.14	110.0	7700	6600	40
HMCA2 560H3-8	8	900	740	95.9	0.83	99.5	4.9	11550	0.94	2.12	116.0	8100	6600	40

2 pole 40°
10,000 V

Motor type	Pole	Power	Speed	Efficiency	Cos Ø	Current	Ist/ In	T norm	Tst/Tn	Tmax/ Tn	IM	Weight kg	Voltage V	Ambient temperature
		kW	RPM	%		A		Nm		J (kgm ²)	°C			

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

HMCA2 400H-2	2	220	2980	93.7	0.90	15.20	7.0	705	1.04	3.50	5.0	2900	10,000	40
HMCA2 400H1-2	2	250	2980	94.1	0.91	16.80	7.0	805	1.06	3.40	5.5	3000	10,000	40
HMCA2 400H2-2	2	280	2980	94.4	0.92	18.80	7.1	900	1.12	3.40	6.0	3000	10,000	40
HMCA2 400H3-2	2	315	2970	94.6	0.92	20.80	6.6	1020	1.08	3.15	7.0	3200	10,000	40
HMCA2 450H-2	2	355	2980	94.5	0.89	24.40	6.3	1140	0.55	3.25	11	3500	10,000	40
HMCA2 450H1-2	2	400	2980	94.8	0.90	27.00	6.0	1280	0.53	3.05	12	3600	10,000	40
HMCA2 450H2-2	2	450	2980	95.0	0.90	30.50	6.5	1440	0.60	3.30	13	3700	10,000	40
HMCA2 450H3-2	2	500	2980	95.2	0.90	33.50	6.0	1600	0.67	3.00	14	3850	10,000	40
HMCA2 500H-2	2	560	2990	95.1	0.85	40.00	6.2	1800	0.51	3.35	15	5500	10,000	40
HMCA2 500H1-2	2	630	2990	95.4	0.86	44.00	6.1	2020	0.51	3.25	17	5780	10,000	40
HMCA2 500H2-2	2	710	2990	95.6	0.87	49.00	6.1	2280	0.52	3.20	19	6050	10,000	40
HMCA2 500H3-2	2	800	2990	95.8	0.88	55.00	6.2	2550	0.54	3.20	21	6320	10,000	40
HMCA2 500H4-2	2	900	2990	96.0	0.88	61.50	6.3	2900	0.57	3.25	23	6600	10,000	40
HMCA2 560H-2	2	900	2990	96.0	0.91	60.00	6.0	2900	0.42	2.95	28	8000	10,000	40
HMCA2 560H1-2	2	1000	2990	96.2	0.91	66.00	6.2	3200	0.45	3.00	32	8400	10,000	40
HMCA2 560H2-2	2	1120	2990	96.4	0.91	73.50	6.5	3600	0.48	3.10	36	8800	10,000	40
HMCA2 560H3-2	2	1250	2990	96.6	0.92	81.00	6.2	4000	0.48	2.90	42	9200	10,000	40

4 pole 40°
10,000 V

Motor type	Pole	Power	Speed	Efficiency	Cos Ø	Current	Ist/In	T norm	Tst/Tn	Tmax/Tn	IM	Weight	Voltage	Ambient temperature
		kW	RPM	%		A		Nm			J (kgm ²)			kg

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

HMCA2 400H-4	4	220	1480	93.2	0.83	16.40	6.8	1420	1.82	3.10	11	3000	10,000	40
HMCA2 400H1-4	4	250	1480	93.4	0.83	18.60	6.2	1600	1.50	2.90	12	3100	10,000	40
HMCA2 400H2-4	4	280	1480	93.6	0.84	20.60	6.1	1800	1.52	2.85	13	3200	10,000	40
HMCA2 400H3-4	4	315	1480	93.8	0.84	23.00	6.1	2020	1.54	2.80	14	3300	10,000	40
HMCA2 450H-4	4	355	1490	94.4	0.86	25.00	6.2	2280	1.28	2.60	20	3500	10,000	40
HMCA2 450H1-4	4	400	1490	94.6	0.86	28.50	6.6	2550	1.42	2.70	22	3600	10,000	40
HMCA2 450H2-4	4	450	1480	94.8	0.87	31.50	6.1	2900	1.30	2.46	24	3700	10,000	40
HMCA2 450H3-4	4	500	1480	95.0	0.88	34.50	5.9	3200	1.28	2.38	26	3800	10,000	40
HMCA2 450H4-4	4	560	1480	95.1	0.88	39.00	5.8	3600	1.28	2.30	28	3950	10,000	40
HMCA2 500H-4	4	630	1490	95.3	0.88	43.50	6.5	4050	1.10	2.42	41	5820	10,000	40
HMCA2 500H1-4	4	710	1490	95.5	0.88	44.00	6.1	4550	1.04	2.24	44	6100	10,000	40
HMCA2 500H2-4	4	800	1490	95.6	0.88	54.50	6.8	5150	1.20	2.40	47	6280	10,000	40
HMCA2 500H3-4	4	900	1490	95.8	0.89	61.00	6.2	5750	1.10	2.18	50	6420	10,000	40
HMCA2 560H-4	4	1000	1490	95.7	0.89	68.00	6.5	6400	0.92	2.36	70	8020	10,000	40
HMCA2 560H1-4	4	1120	1490	95.9	0.89	76.00	5.9	7200	0.83	2.06	74	8390	10,000	40
HMCA2 560H2-4	4	1250	1490	96.1	0.89	84.50	6.2	8000	0.91	2.12	78	8750	10,000	40
HMCA2 560H3-4	4	1400	1490	96.3	0.89	94.00	6.7	8950	1.02	2.22	82	9100	10,000	40

6 pole 40°
10,000 V

Motor type	Pole	Power	Speed	Efficiency	Cos Ø	Current	Ist/In	T norm	Tst/Tn	Tmax/Tn	IM	Weight	Voltage	Ambient temperature
		kW	RPM	%		A		Nm			J (kgm ²)			kg

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

HMCA2 450H-6	6	220	990	93.5	0.80	17.00	6.2	2120	1.30	2.80	26	3400	10,000	40
HMCA2 450H1-6	6	250	990	94.0	0.82	18.80	6.4	2400	1.22	2.80	28	3500	10,000	40
HMCA2 450H2-6	6	280	990	94.3	0.84	20.40	6.0	2700	1.14	2.55	30	3600	10,000	40
HMCA2 450H3-6	6	315	990	94.5	0.84	23.00	6.2	3050	1.20	2.60	32	3700	10,000	40
HMCA2 450H4-6	6	355	990	94.6	0.83	26.00	6.3	3400	1.38	2.60	34	3820	10,000	40
HMCA2 500H-6	6	400	990	94.4	0.84	29.50	6.5	3850	1.32	2.55	50	5450	10,000	40
HMCA2 500H1-6	6	450	990	94.7	0.84	32.50	6.1	4350	1.26	2.34	54	5610	10,000	40
HMCA2 500H2-6	6	500	990	94.8	0.84	36.00	6.5	4800	1.40	2.44	58	5790	10,000	40
HMCA2 500H3-6	6	560	990	95.1	0.84	40.50	6.4	5400	1.42	2.38	62	6010	10,000	40
HMCA2 500H4-6	6	630	990	95.2	0.85	45.00	6.5	6050	1.44	2.36	66	6230	10,000	40
HMCA2 560H-6	6	710	990	95.3	0.86	50.00	5.8	6850	0.95	2.44	87	7400	10,000	40
HMCA2 560H1-6	6	800	990	95.8	0.86	56.00	6.0	7700	0.90	2.48	94	7650	10,000	40
HMCA2 560H2-6	6	900	990	95.9	0.86	63.00	6.2	8650	0.95	2.48	102	7950	10,000	40
HMCA2 560H3-6	6	1000	990	96.1	0.86	70.00	6.1	9600	0.92	2.48	110	8250	10,000	40
HMCA2 560H4-6	6	1120	990	96.1	0.87	78.00	6.8	10750	1.24	2.65	118	8550	10,000	40

8 pole 40°
10,000 V

Motor type	Pole	Power	Speed	Efficiency	Cos ϕ	Current	Ist/ In	T norm	Tst/Tn	Tmax/ Tn	IM	Weight kg	Voltage V	Ambient temperature
		kW	RPM	%		A		Nm		J (kgm ²)	°C			

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

HMCA2 450H-8	8	220	740	94.1	0.77	17.4	5.3	2850	1.34	2.65	30	3600	10,000	40
HMCA2 450H1-8	8	250	740	94.3	0.78	19.6	5.3	3200	1.36	2.65	32	3700	10,000	40
HMCA2 450H2-8	8	280	740	94.5	0.78	22	5.4	3600	1.4	2.65	34	3820	10,000	40
HMCA2 500H-8	8	315	740	94.2	0.81	24	5.3	4050	1.18	2.32	54	5250	10,000	40
HMCA2 500H1-8	8	355	740	94.6	0.81	26.5	5.5	4550	1.1	2.38	58	5490	10,000	40
HMCA2 500H2-8	8	400	740	94.7	0.81	30	5.9	5150	1.24	2.5	62	5750	10,000	40
HMCA2 500H3-8	8	450	740	94.8	0.81	34	5.4	5800	1.38	2.28	66	6020	10,000	40
HMCA2 560H-8	8	500	740	95	0.81	37.5	5.4	6400	1.1	2.46	88	6650	10,000	40
HMCA2 560H1-8	8	560	740	95.1	0.8	42.5	5.1	7200	0.99	2.32	96	7000	10,000	40
HMCA2 560H2-8	8	630	740	95.5	0.8	48	5.3	8100	0.97	2.3	105	7350	10,000	40
HMCA2 560H3-8	8	710	740	95.7	0.81	53	5.8	9100	1.16	2.5	110	7700	10,000	40
HMCA2 560H4-8	8	800	740	95.8	0.82	59	5.8	10250	1.28	2.48	116	8100	10,000	40

2 pole 40°
11,000 V

Motor type	Pole	Power	Speed	Efficiency	Cos Ø	Current	Ist/In	T norm	Tst/Tn	Tmax/Tn	IM	Weight	Voltage	Ambient temperature
		kW	RPM	%		A		Nm			J (kgm ²)			kg

HMCA2 11,000 V, 50 Hz, ambient temperature 40°

HMCA2 400H-2	2	220	2980	93.6	0.90	13.80	6.8	705	1.00	3.35	5.0	2900	11,000	40
HMCA2 400H1-2	2	250	2970	94.1	0.91	15.40	6.6	805	1.00	3.25	5.5	3000	11,000	40
HMCA2 400H2-2	2	280	2970	94.3	0.92	17.00	6.6	900	1.04	3.20	6.0	3200	11,000	40
HMCA2 400H3-2	2	315	2970	94.6	0.92	19.00	6.7	1020	1.08	3.20	7.0	3200	11,000	40
HMCA2 450H-2	2	355	2980	94.5	0.89	22.20	6.2	1140	0.54	3.25	11	3500	11,000	40
HMCA2 450H1-2	2	400	2980	94.8	0.90	24.60	5.9	1280	0.52	3.00	12	3600	11,000	40
HMCA2 450H2-2	2	450	2980	95.0	0.90	27.50	6.2	1440	0.57	3.15	13	3700	11,000	40
HMCA2 450H3-2	2	500	2980	95.1	0.90	30.50	6.4	1600	0.72	3.15	14	3850	11,000	40
HMCA2 500H-2	2	560	2990	95.2	0.86	36.00	5.8	1800	0.47	3.15	15	5500	11,000	40
HMCA2 500H1-2	2	630	2990	95.3	0.86	40.50	6.4	2020	0.54	3.45	17	5780	11,000	40
HMCA2 500H2-2	2	710	2990	95.6	0.87	45.00	6.3	2280	0.54	3.35	19	6050	11,000	40
HMCA2 500H3-2	2	800	2990	95.8	0.88	50.00	6.3	2550	0.56	3.30	21	6320	11,000	40
HMCA2 500H4-2	2	900	2990	96.0	0.88	56.00	6.4	2900	0.58	3.30	23	6600	11,000	40
HMCA2 560H-2	2	900	2990	95.9	0.90	54.50	6.1	2900	0.43	3.00	28	8000	11,000	40
HMCA2 560H1-2	2	1000	2990	96.1	0.91	60.00	6.3	3200	0.46	3.05	32	8400	11,000	40
HMCA2 560H2-2	2	1120	2990	96.3	0.91	67.00	6.5	3600	0.48	3.10	36	8800	11,000	40
HMCA2 560H3-2	2	1250	2990	96.5	0.92	74.00	6.1	4000	0.47	2.90	42	9200	11,000	40

4 pole 40°
11,000 V

Motor type	Pole	Power	Speed	Efficiency	Cos Ø	Current	Ist/In	T norm	Tst/Tn	Tmax/Tn	IM	Weight	Voltage	Ambient temperature
		kW	RPM	%		A		Nm			J (kgm ²)			kg

HMCA2 11,000 V, 50 Hz, ambient temperature 40°

HMCA2 400H-4	4	220	1480	93.2	0.83	14.80	6.7	1420	1.78	3.05	11	3000	11,000	40
HMCA2 400H1-4	4	250	1480	93.3	0.82	17.20	6.4	1600	1.56	3.00	12	3100	11,000	40
HMCA2 400H2-4	4	280	1480	93.5	0.83	18.80	6.3	1800	1.56	2.90	13	3200	11,000	40
HMCA2 400H3-4	4	315	1480	93.8	0.84	21.00	6.2	2020	1.56	2.80	14	3300	11,000	40
HMCA2 450H-4	4	355	1490	94.3	0.86	22.80	6.1	2280	1.26	2.55	20	3500	11,000	40
HMCA2 450H1-4	4	400	1490	94.6	0.87	25.50	6.4	2550	1.34	2.60	22	3600	11,000	40
HMCA2 450H2-4	4	450	1490	94.8	0.87	29.00	6.5	2900	1.40	2.65	24	3700	11,000	40
HMCA2 450H3-4	4	500	1490	94.9	0.87	31.50	6.4	3200	1.40	2.55	26	3800	11,000	40
HMCA2 450H4-4	4	560	1480	95.1	0.87	35.50	6.1	3600	1.36	2.42	28	3950	11,000	40
HMCA2 500H-4	4	630	1490	95.3	0.88	39.50	6.2	4050	1.04	2.32	41	5820	11,000	40
HMCA2 500H1-4	4	710	1490	95.6	0.88	54.50	6.8	5150	1.20	2.40	44	6100	11,000	40
HMCA2 500H2-4	4	800	1490	95.6	0.88	49.50	6.1	5150	1.06	2.20	47	6280	11,000	40
HMCA2 500H3-4	4	900	1490	95.8	0.89	55.50	6.2	5750	1.10	2.18	50	6420	11,000	40
HMCA2 560H-4	4	1000	1490	95.7	0.89	61.50	6.5	6400	0.91	2.36	70	8020	11,000	40
HMCA2 560H1-4	4	1120	1490	95.9	0.89	69.00	5.8	7200	0.83	2.06	74	8390	11,000	40
HMCA2 560H2-4	4	1250	1490	96.1	0.89	76.50	6.0	8000	0.88	2.06	78	8750	11,000	40
HMCA2 560H3-4	4	1400	1490	96.3	0.89	85.50	6.3	8950	0.95	2.10	82	9100	11,000	40

6 pole 40°
11,000 V

Motor type	Pole	Power	Speed	Efficiency	Cos Ø	Current	Ist/In	T norm	Tst/Tn	Tmax/Tn	IM	Weight	Voltage	Ambient temperature
		kW	RPM	%		A		Nm		J (kgm ²)	kg			V

HMCA2 11,000 V, 50 Hz, ambient temperature 40°

HMCA2 450H-6	6	220	990	93.4	0.80	15.60	6.3	2120	1.34	2.85	26	3400	11,000	40
HMCA2 450H1-6	6	250	990	94.0	0.82	17.00	6.4	2400	1.24	2.80	28	3500	11,000	40
HMCA2 450H2-6	6	280	990	94.3	0.84	18.60	6.0	2700	1.14	2.55	30	3600	11,000	40
HMCA2 450H3-6	6	315	1480	93.8	0.84	21.00	6.2	2020	1.56	2.80	32	3700	11,000	40
HMCA2 450H4-6	6	355	990	94.6	0.84	23.60	6.0	3400	1.28	2.46	34	3820	11,000	40
HMCA2 500H-6	6	400	990	94.4	0.84	26.50	6.5	3850	1.32	2.55	50	5450	11,000	40
HMCA2 500H1-6	6	450	990	94.6	0.84	30.00	6.5	4350	1.38	2.48	54	5610	11,000	40
HMCA2 500H2-6	6	500	990	94.8	0.84	33.00	6.2	4800	1.34	2.36	58	5790	11,000	40
HMCA2 500H3-6	6	560	990	95.1	0.85	36.50	6.1	5400	1.30	2.26	62	6010	11,000	40
HMCA2 500H4-6	6	630	990	95.2	0.84	41.00	6.6	6050	1.46	2.40	66	6230	11,000	40
HMCA2 560H-6	6	710	990	95.2	0.86	45.50	6.0	6850	1.00	2.50	87	7400	11,000	40
HMCA2 560H1-6	6	800	990	95.7	0.86	51.00	6.1	7700	0.92	2.50	94	7650	11,000	40
HMCA2 560H2-6	6	900	990	95.9	0.86	57.00	6.2	8650	0.95	2.48	102	7950	11,000	40
HMCA2 560H3-6	6	1000	990	96.1	0.86	63.50	5.9	9600	0.89	2.42	110	8250	11,000	40
HMCA2 560H4-6	6	1120	990	96.1	0.87	70.50	6.4	10750	1.14	2.50	118	8550	11,000	40

8 pole 40°
11,000 V

Motor type	Pole	Power	Speed	Efficiency	Cos Ø	Current	Ist/In	T norm	Tst/Tn	Tmax/Tn	IM	Weight	Voltage	Ambient temperature
		kW	RPM	%		A		Nm			J (kgm ²)			kg

HMCA2 11,000 V, 50 Hz, ambient temperature 40°

HMCA2 450H-8	8	220	740	94.0	0.77	16.00	5.5	2850	1.38	2.75	30	3600	11,000	40
HMCA2 450H1-8	8	250	740	94.2	0.77	18.00	5.4	3200	1.38	2.65	32	3700	11,000	40
HMCA2 450H2-8	8	280	740	94.5	0.78	20.00	5.4	3600	1.38	2.65	34	3820	11,000	40
HMCA2 500H-8	8	315	740	94.2	0.80	21.80	5.3	4050	1.20	2.36	54	5250	11,000	40
HMCA2 500H1-8	8	355	740	94.6	0.81	24.20	5.5	4550	1.10	2.38	58	5490	11,000	40
HMCA2 500H2-8	8	400	740	94.7	0.81	27.50	5.7	5150	1.20	2.44	62	5750	11,000	40
HMCA2 500H3-8	8	450	740	94.8	0.81	31.00	5.3	5800	1.36	2.24	66	6020	11,000	40
HMCA2 560H-8	8	500	740	94.9	0.80	34.50	5.9	6400	1.24	2.65	88	6650	11,000	40
HMCA2 560H1-8	8	560	740	95.1	0.79	39.00	5.4	7200	1.08	2.44	96	7000	11,000	40
HMCA2 560H2-8	8	630	740	95.4	0.79	44.00	5.6	8100	1.04	2.42	105	7350	11,000	40
HMCA2 560H3-8	8	710	740	95.7	0.80	48.50	6.0	9100	1.22	2.60	110	7700	11,000	40
HMCA2 560H4-8	8	800	740	95.7	0.81	54.00	5.9	10250	1.32	2.55	116	8100	11,000	40

2 pole 50°
3000 V

Motor type	Pole	Power	Speed	Efficiency	Cos Ø	Current	Ist/In	T norm	Tst/Tn	Tmax/Tn	IM	Weight	Voltage	Ambient temperature
		kW	RPM	%		A		Nm		J (kgm ²)	kg			V

HMCA2 3000 V, 50 Hz, ambient temperature 50°

HMCA2 355H-2	2	160	2980	93.8	0.90	36.5	7.9	515	1.00	4.10	2.6	1900	3000	50
HMCA2 355H1-2	2	185	2970	94.0	0.91	41.5	7.4	595	0.96	3.75	2.8	2000	3000	50
HMCA2 355H2-2	2	200	2980	94.0	0.89	46.0	7.8	640	1.46	3.95	3.0	2100	3000	50
HMCA2 355H3-2	2	220	2980	94.4	0.90	49.5	7.8	705	1.48	3.85	3.3	2200	3000	50
HMCA2 355H4-2	2	250	2980	94.7	0.91	56.0	7.6	800	1.46	3.75	3.5	2350	3000	50
HMCA2 400H-2	2	280	2980	94.6	0.89	64.5	7.8	900	1.44	3.70	5.0	2900	3000	50
HMCA2 400H1-2	2	315	2980	94.8	0.89	71.5	7.7	1020	1.46	3.60	5.5	3000	3000	50
HMCA2 400H2-2	2	355	2980	95.1	0.90	80.0	7.8	1140	1.52	3.60	6.0	3100	3000	50
HMCA2 400H3-2	2	400	2980	95.3	0.91	89.0	7.9	1280	1.62	3.60	7.0	3200	3000	50
HMCA2 450H-2	2	450	2980	95.1	0.90	102.0	5.9	1440	0.52	3.00	11	3500	3000	50
HMCA2 450H1-2	2	500	2980	95.3	0.90	112.0	6.2	1600	0.56	3.15	12	3600	3000	50
HMCA2 450H2-2	2	560	2980	95.5	0.91	124.0	5.9	1800	0.54	2.95	13	3700	3000	50
HMCA2 450H3-2	2	630	2980	95.6	0.91	140.0	6.4	2020	0.61	3.20	14	3850	3000	50
HMCA2 500H-2	2	710	2990	95.8	0.88	162.0	7.2	2260	0.55	3.70	17	5780	3000	50
HMCA2 500H1-2	2	800	2990	95.9	0.88	182.0	6.6	2550	0.49	3.40	19	6050	3000	50
HMCA2 500H2-2	2	900	2990	96.0	0.88	204.0	6.8	2850	0.52	3.50	21	6320	3000	50
HMCA2 500H3-2	2	1000	2990	96.1	0.89	226.0	7.0	3200	0.55	3.55	23	6600	3000	50
HMCA2 560H-2	2	1120	2990	96.5	0.89	246.0	7.4	3500	0.46	3.90	24	8400	3000	50
HMCA2 560H1-2	2	1250	2990	96.7	0.90	275.0	7.0	4000	0.44	3.60	30	8800	3000	50
HMCA2 560H2-2	2	1400	2990	96.8	0.90	310.0	7.7	4450	0.50	3.95	33	9200	3000	50

4 pole 50°
3000 V

Motor type	Pole	Power	Speed	Efficiency	Cos Ø	Current	Ist/In	T norm	Tst/Tn	Tmax/Tn	IM	Weight	Voltage	Ambient temperature
		kW	RPM	%		A		Nm			J (kgm ²)			kg

HMCA2 3000 V, 50 Hz, ambient temperature 50°

HMCA2 355H-4	4	160	1490	94.6	0.84	39.0	6.7	1020	1.42	3.05	6.0	1900	3000	50
HMCA2 355H1-4	4	185	1490	94.4	0.82	46.0	6.9	1180	2.06	3.15	7.0	2000	3000	50
HMCA2 355H2-4	4	200	1490	94.7	0.85	48.0	6.5	1280	1.42	2.85	8.0	2100	3000	50
HMCA2 355H3-4	4	220	1490	94.6	0.83	53.5	7.6	1420	2.34	3.35	9.0	2200	3000	50
HMCA2 355H4-4	4	250	1490	94.7	0.84	60.5	7.4	1600	2.30	3.25	10	2300	3000	50
HMCA2 400H-4	4	280	1490	94.9	0.87	65.5	7.2	1800	2.16	3.10	11	3000	3000	50
HMCA2 400H1-4	4	315	1490	95.0	0.87	70.0	7.6	1920	2.30	3.25	12	3100	3000	50
HMCA2 400H2-4	4	355	1490	95.1	0.87	82.5	7.4	2280	2.30	3.10	13	3200	3000	50
HMCA2 400H3-4	4	400	1490	95.2	0.87	93.0	7.2	2550	2.42	3.05	14	3300	3000	50
HMCA2 450H-4	4	450	1490	94.9	0.89	102.0	6.7	2900	1.02	2.60	22	3600	3000	50
HMCA2 450H1-4	4	500	1490	95.1	0.89	114.0	7.3	3200	1.14	2.70	24	3700	3000	50
HMCA2 450H2-4	4	560	1490	95.3	0.89	126.0	6.7	3600	1.04	2.55	26	3800	3000	50
HMCA2 450H3-4	4	630	1490	95.4	0.90	142.0	6.5	4050	1.04	2.40	28	3950	3000	50
HMCA2 500H-4	4	710	1490	96.0	0.87	164.0	7.6	4550	1.08	2.70	41	5820	3000	50
HMCA2 500H1-4	4	800	1490	96.1	0.88	182.0	7.3	5100	1.06	2.60	44	6100	3000	50
HMCA2 500H2-4	4	900	1490	96.4	0.88	204.0	7.4	5750	1.10	2.50	47	6280	3000	50
HMCA2 500H3-4	4	1000	1490	96.5	0.88	228.0	7.4	6400	1.12	2.42	50	6420	3000	50
HMCA2 560H-4	4	1120	1490	96.3	0.90	248.0	7.3	7150	0.94	2.60	70	8020	3000	50
HMCA2 560H1-4	4	1250	1490	96.5	0.90	275.0	7.3	8000	0.96	2.60	74	8390	3000	50
HMCA2 560H2-4	4	1400	1490	96.6	0.90	310.0	7.7	8950	1.06	2.65	78	8750	3000	50
HMCA2 560H3-4	4	1600	1490	96.7	0.90	350.0	6.9	10250	0.95	2.36	82	9100	3000	50

6 pole 50°
3000 V

Motor type	Pole	Power	Speed	Efficiency	Cos Ø	Current	Ist/In	T norm	Tst/Tn	Tmax/Tn	IM	Weight	Voltage	Ambient temperature
		kW	RPM	%		A		Nm			J (kgm ²)			kg

HMCA2 3000 V, 50 Hz, ambient temperature 50°

HMCA2 355H-6	6	132	990	93.2	0.83	32.5	6.8	1280	2.06	2.90	9.0	2200	3000	50
HMCA2 355H1-6	6	160	990	93.5	0.84	39.0	6.7	1540	1.94	2.85	10	2300	3000	50
HMCA2 355H2-6	6	185	990	93.5	0.84	45.5	6.6	1780	1.96	2.80	11	2400	3000	50
HMCA2 400H-6	6	200	990	94.1	0.85	48.0	6.2	1920	1.72	2.70	14	2900	3000	50
HMCA2 400H1-6	6	220	990	94.2	0.85	53.0	6.8	2120	1.94	2.90	16	3000	3000	50
HMCA2 400H2-6	6	250	990	94.4	0.85	60.0	6.7	2400	1.94	2.85	18	3200	3000	50
HMCA2 400H3-6	6	280	990	94.5	0.85	67.5	6.7	2700	1.96	2.85	20	3400	3000	50
HMCA2 450H-6	6	315	990	94.8	0.85	75.0	6.1	3050	1.16	2.60	28	3500	3000	50
HMCA2 450H1-6	6	355	990	95.1	0.86	84.0	6.2	3350	1.20	2.65	30	3600	3000	50
HMCA2 450H2-6	6	400	990	95.2	0.86	94.5	6.5	3850	1.30	2.70	32	3700	3000	50
HMCA2 450H3-6	6	450	990	95.4	0.86	106.0	6.1	4350	1.20	2.50	34	3820	3000	50
HMCA2 500H-6	6	500	990	95.5	0.84	120.0	6.8	4800	1.12	2.40	54	5610	3000	50
HMCA2 500H1-6	6	560	990	95.7	0.85	134.0	6.8	5400	1.16	2.36	58	5790	3000	50
HMCA2 500H2-6	6	630	990	95.8	0.85	148.0	6.4	6050	1.08	2.20	62	6010	3000	50
HMCA2 500H3-6	6	710	990	96.0	0.85	168.0	6.8	6800	1.20	2.26	66	6230	3000	50
HMCA2 560H-6	6	800	1000	95.9	0.83	192.0	6.6	7650	0.82	2.90	94	7650	3000	50
HMCA2 560H1-6	6	900	1000	96.1	0.84	214.0	6.6	8650	0.84	2.85	102	7950	3000	50
HMCA2 560H2-6	6	1000	1000	96.2	0.85	236.0	6.9	9600	0.90	2.90	110	8250	3000	50
HMCA2 560H3-6	6	1120	1000	96.3	0.84	265.0	7.4	10750	1.00	3.00	118	8550	3000	50

8 pole 50°
3000 V

Motor type	Pole	Power	Speed	Efficiency	Cos Ø	Current	Ist/In	T norm	Tst/Tn	Tmax/Tn	IM	Weight kg	Voltage V	Ambient temperature
		kW	RPM	%		A		Nm		J (kgm ²)	°C			

HMCA2 3000 V, 50 Hz, ambient temperature 50°

HMCA2 400H-8	8	132	740	93.8	0.80	33.5	5.4	1700	1.68	2.48	15	3000	3000	50
HMCA2 400H1-8	8	160	740	93.9	0.80	41.0	5.4	2060	1.72	2.42	16	3100	3000	50
HMCA2 400H2-8	8	185	740	94.0	0.79	47.0	5.9	2320	1.94	2.65	18	3200	3000	50
HMCA2 400H3-8	8	200	740	94.1	0.79	52.0	5.6	2550	1.80	2.50	20	3300	3000	50
HMCA2 450H-8	8	220	740	94.2	0.80	56.0	6.0	2850	1.36	2.60	28	3500	3000	50
HMCA2 450H1-8	8	250	740	94.4	0.79	65.0	5.5	3200	1.22	2.55	30	3600	3000	50
HMCA2 450H2-8	8	280	740	94.6	0.80	71.0	5.8	3600	1.32	2.44	32	3700	3000	50
HMCA2 450H3-8	8	315	740	94.8	0.80	79.5	5.9	4050	1.38	2.46	34	3820	3000	50
HMCA2 500H-8	8	350	740	95.1	0.81	88.5	6.0	4550	1.16	2.70	54	5250	3000	50
HMCA2 500H1-8	8	400	740	95.2	0.82	98.0	5.8	5150	1.12	2.55	58	5490	3000	50
HMCA2 500H2-8	8	450	740	95.4	0.83	110.0	5.7	5750	1.10	2.48	62	5750	3000	50
HMCA2 500H3-8	8	500	740	95.6	0.83	122.0	5.9	6400	1.16	2.55	66	6020	3000	50
HMCA2 560H-8	8	560	740	95.4	0.81	140.0	5.7	7200	1.04	2.55	96	7000	3000	50
HMCA2 560H1-8	8	630	750	95.5	0.81	156.0	6.0	8050	1.14	2.65	105	7350	3000	50
HMCA2 560H2-8	8	710	750	95.8	0.82	174.0	5.6	9100	1.06	2.38	110	7700	3000	50
HMCA2 560H3-8	8	800	750	95.9	0.80	200.0	6.1	10250	1.22	2.60	116	8100	3000	50

2 pole 50°
3300 V

Motor type	Pole	Power	Speed	Efficiency	Cos Ø	Current	Ist/In	T norm	Tst/Tn	Tmax/Tn	IM	Weight	Voltage	Ambient temperature
		kW	RPM	%		A		Nm		J (kgm ²)	kg			V

HMCA2 3300 V, 50 Hz, ambient temperature 50°

HMCA2 355H-2	2	160	2980	93.8	0.90	33.5	7.8	515	0.98	4.00	2.6	1900	3300	50
HMCA2 355H1-2	2	185	2970	94.0	0.91	38.0	7.1	595	0.92	3.60	2.8	2000	3300	50
HMCA2 355H2-2	2	200	2980	94.0	0.89	42.0	7.8	640	1.46	3.95	3.0	2100	3300	50
HMCA2 355H3-2	2	220	2980	94.4	0.90	45.0	7.7	705	1.46	3.85	3.3	2200	3300	50
HMCA2 355H4-2	2	250	2980	94.7	0.91	51.0	7.4	800	1.44	3.65	3.5	2350	3300	50
HMCA2 400H-2	2	280	2980	94.6	0.89	58.0	7.5	900	1.40	3.60	5.0	2900	3300	50
HMCA2 400H1-2	2	315	2980	94.8	0.89	65.0	7.9	1000	1.52	3.70	5.5	3000	3300	50
HMCA2 400H2-2	2	355	2980	95.1	0.90	72.5	7.9	1140	1.56	3.65	6.0	3100	3300	50
HMCA2 400H3-2	2	400	2980	95.3	0.91	81.0	7.9	1280	1.60	3.60	7.0	3200	3300	50
HMCA2 450H-2	2	450	2980	95.1	0.90	92.0	5.9	1440	0.53	3.05	11	3500	3300	50
HMCA2 450H1-2	2	500	2980	95.3	0.90	102.0	6.1	1600	0.56	3.10	12	3600	3300	50
HMCA2 450H2-2	2	560	2980	95.5	0.91	112.0	5.8	1800	0.53	2.90	13	3700	3300	50
HMCA2 450H3-2	2	630	2980	95.7	0.91	126.0	6.1	2020	0.58	3.05	14	3850	3300	50
HMCA2 500H-2	2	710	2990	95.9	0.88	146.0	6.8	2260	0.51	3.50	17	5780	3300	50
HMCA2 500H1-2	2	800	2990	95.9	0.88	166.0	7.0	2550	0.52	3.60	19	6050	3300	50
HMCA2 500H2-2	2	900	2990	95.9	0.88	188.0	7.1	2850	0.54	3.65	21	6320	3300	50
HMCA2 500H3-2	2	1000	2990	96.1	0.89	206.0	7.2	3200	0.56	3.65	23	6600	3300	50
HMCA2 560H-2	2	1120	2990	96.5	0.90	222.0	7.3	3500	0.45	3.80	24	8400	3300	50
HMCA2 560H1-2	2	1250	2990	96.7	0.91	250.0	6.8	4000	0.43	3.50	30	8800	3300	50
HMCA2 560H2-2	2	1400	2990	96.9	0.91	280.0	7.3	4450	0.47	3.70	33	9200	3300	50

4 pole 50°
3300 V

Motor type	Pole	Power	Speed	Efficiency	Cos Ø	Current	Ist/In	T norm	Tst/Tn	Tmax/Tn	IM	Weight	Voltage	Ambient temperature
		kW	RPM	%		A		Nm			J (kgm ²)			kg

HMCA2 3300 V, 50 Hz, ambient temperature 50°

HMCA2 355H-4	4	160	1490	94.5	0.84	35.5	6.7	1020	1.42	3.05	6.0	1900	3300	50
HMCA2 355H1-4	4	185	1490	94.4	0.82	41.5	7.0	1180	2.10	3.20	7.0	2000	3300	50
HMCA2 355H2-4	4	200	1490	94.7	0.85	43.5	6.3	1280	1.34	2.75	8.0	2100	3300	50
HMCA2 355H3-4	4	220	1490	94.7	0.84	48.5	7.4	1420	2.26	3.25	9.0	2200	3300	50
HMCA2 355H4-4	4	250	1490	94.7	0.83	55.5	7.7	1600	2.42	3.35	10	2300	3300	50
HMCA2 400H-4	4	280	1490	94.9	0.86	60.0	7.4	1800	2.20	3.20	11	3000	3300	50
HMCA2 400H1-4	4	315	1490	95.0	0.87	63.5	7.7	1920	2.32	3.30	12	3100	3300	50
HMCA2 400H2-4	4	355	1490	95.1	0.87	75.0	7.3	2280	2.24	3.10	13	3200	3300	50
HMCA2 400H3-4	4	400	1490	94.9	0.89	102.0	6.7	2900	1.02	2.60	14	3300	3300	50
HMCA2 450H-4	4	450	1490	94.9	0.89	93.5	6.6	2900	0.99	2.55	22	3600	3300	50
HMCA2 450H1-4	4	500	1490	95.1	0.89	104.0	7.0	3200	1.08	2.65	24	3700	3300	50
HMCA2 450H2-4	4	560	1490	95.2	0.89	116.0	6.3	3600	0.97	2.42	26	3800	3300	50
HMCA2 450H3-4	4	630	1490	95.4	0.89	130.0	7.1	4050	1.14	2.60	28	3950	3300	50
HMCA2 500H-4	4	710	1490	96.0	0.87	148.0	7.4	4550	1.06	2.65	41	5820	3300	50
HMCA2 500H1-4	4	800	1490	96.1	0.88	166.0	7.1	5100	1.02	2.50	44	6100	3300	50
HMCA2 500H2-4	4	900	1490	96.3	0.88	186.0	7.6	5750	1.16	2.60	47	6280	3300	50
HMCA2 500H3-4	4	1000	1490	96.5	0.87	208.0	7.3	6400	1.10	2.38	50	6420	3300	50
HMCA2 560H-4	4	1120	1490	96.3	0.90	226.0	6.8	7150	0.86	2.46	70	8020	3300	50
HMCA2 560H1-4	4	1250	1490	96.4	0.90	250.0	7.4	8000	0.98	2.60	74	8390	3300	50
HMCA2 560H2-4	4	1400	1490	96.6	0.90	280.0	7.6	8950	1.02	2.60	78	8750	3300	50
HMCA2 560H3-4	4	1600	1490	96.7	0.90	320.0	6.8	10250	0.92	2.32	82	9100	3300	50

6 pole 50°
3300 V

Motor type	Pole	Power	Speed	Efficiency	Cos Ø	Current	Ist/In	T norm	Tst/Tn	Tmax/Tn	IM	Weight	Voltage	Ambient temperature
		kW	RPM	%		A		Nm			J (kgm ²)			kg

HMCA2 3300 V, 50 Hz, ambient temperature 50°

HMCA2 355H-6	6	132	990	93.3	0.84	29.5	6.3	1280	1.84	2.65	9.0	2200	3300	50
HMCA2 355H1-6	6	160	990	93.5	0.84	35.5	6.7	1540	1.92	2.85	10	2300	3300	50
HMCA2 355H2-6	6	185	990	93.5	0.84	41.0	6.4	1780	1.90	2.75	11	2400	3300	50
HMCA2 400H-6	6	200	990	94.1	0.85	43.5	6.0	1920	1.66	2.65	14	2900	3300	50
HMCA2 400H1-6	6	220	990	94.1	0.85	48.5	7.0	2120	2.02	3.00	16	3000	3300	50
HMCA2 400H2-6	6	250	990	94.3	0.85	54.5	6.8	2400	1.98	2.90	18	3200	3300	50
HMCA2 400H3-6	6	280	990	94.5	0.85	61.0	6.7	2700	1.94	2.85	20	3400	3300	50
HMCA2 450H-6	6	315	990	94.8	0.85	68.0	6.1	3050	1.16	2.60	28	3500	3300	50
HMCA2 450H1-6	6	355	990	95.1	0.86	76.0	6.2	3350	1.18	2.60	30	3600	3300	50
HMCA2 450H2-6	6	400	990	95.2	0.86	85.5	6.3	3850	1.22	2.60	32	3700	3300	50
HMCA2 450H3-6	6	450	990	95.4	0.86	95.5	5.8	4350	1.12	2.40	34	3820	3300	50
HMCA2 500H-6	6	500	990	95.4	0.84	108.0	6.5	4800	1.06	2.30	54	5610	3300	50
HMCA2 500H1-6	6	560	990	95.7	0.85	120.0	6.9	5400	1.16	2.36	58	5790	3300	50
HMCA2 500H2-6	6	630	750	96.0	0.81	180.0	5.6	10250	1.06	2.38	62	6010	3300	50
HMCA2 500H3-6	6	710	990	96.0	0.85	152.0	6.5	6800	1.12	2.18	66	6230	3300	50
HMCA2 560H-6	6	800	1000	95.9	0.84	174.0	6.2	7650	0.74	2.80	94	7650	3300	50
HMCA2 560H1-6	6	900	1000	96.1	0.84	196.0	6.8	8650	0.86	2.90	102	7950	3300	50
HMCA2 560H2-6	6	1000	1000	96.2	0.85	214.0	6.9	9600	0.90	2.90	110	8250	3300	50
HMCA2 560H3-6	6	1120	1000	96.3	0.85	240.0	7.2	10750	0.97	2.95	118	8550	3300	50

8 pole 50°
3300 V

Motor type	Pole	Power	Speed	Efficiency	Cos Ø	Current	Ist/In	T norm	Tst/Tn	Tmax/Tn	IM	Weight	Voltage	Ambient temperature
		kW	RPM	%		A		Nm		J (kgm ²)	kg			V

HMCA2 3300 V, 50 Hz, ambient temperature 50°

HMCA2 400H-8	8	132	740	93.8	0.80	30.5	5.3	1700	1.62	2.42	15	3000	3300	50
HMCA2 400H1-8	8	160	740	93.9	0.80	37.0	5.5	2060	1.76	2.44	16	3100	3300	50
HMCA2 400H2-8	8	185	740	94.0	0.79	42.5	5.8	2320	1.94	2.60	18	3200	3300	50
HMCA2 400H3-8	8	200	740	94.1	0.79	47.0	5.4	2550	1.70	2.44	20	3300	3300	50
HMCA2 450H-8	8	220	740	94.1	0.80	51.0	5.8	2850	1.32	2.55	28	3500	3300	50
HMCA2 450H1-8	8	250	740	94.4	0.78	59.0	5.6	3200	1.26	2.60	30	3600	3300	50
HMCA2 450H2-8	8	280	740	94.6	0.80	64.5	5.9	3600	1.36	2.48	32	3700	3300	50
HMCA2 450H3-8	8	315	740	94.8	0.80	72.5	5.9	4050	1.36	2.46	34	3820	3300	50
HMCA2 500H-8	8	350	740	95.1	0.82	79.5	5.6	4550	1.06	2.55	54	5250	3300	50
HMCA2 500H1-8	8	400	740	95.2	0.82	89.5	5.9	5150	1.14	2.60	58	5490	3300	50
HMCA2 500H2-8	8	450	740	95.4	0.83	99.5	5.7	5750	1.10	2.48	62	5750	3300	50
HMCA2 500H3-8	8	500	740	95.6	0.83	110.0	5.7	6400	1.12	2.48	66	6020	3300	50
HMCA2 560H-8	8	560	740	95.3	0.81	126.0	5.7	7200	1.04	2.55	96	7000	3300	50
HMCA2 560H1-8	8	630	740	95.5	0.81	142.0	5.8	8100	1.10	2.55	105	7350	3300	50
HMCA2 560H2-8	8	710	750	95.8	0.82	158.0	5.7	9100	1.08	2.42	110	7700	3300	50
HMCA2 560H3-8	8	800	750	96.0	0.81	180.0	5.6	10250	1.06	2.38	116	8100	3300	50

2 pole 50°
6000 V

Motor type	Pole	Power	Speed	Efficiency	Cos Ø	Current	Ist/In	T norm	Tst/Tn	Tmax/Tn	IM	Weight	Voltage	Ambient temperature
		kW	RPM	%		A		Nm		J (kgm ²)	kg			V

HMCA2 6000 V, 50 Hz, ambient temperature 50°

HMCA2 355H-2	2	160	2980	93.8	0.90	18.2	7.9	515	1.00	4.10	2.6	1900	6000	50
HMCA2 355H1-2	2	185	2970	94.0	0.91	20.8	7.4	595	0.96	3.75	2.8	2000	6000	50
HMCA2 355H2-2	2	200	2980	94.0	0.89	23.0	7.8	640	1.46	3.95	3.0	2100	6000	50
HMCA2 355H3-2	2	220	2980	94.4	0.90	24.8	7.8	705	1.48	3.85	3.3	2200	6000	50
HMCA2 355H4-2	2	250	2980	94.7	0.91	28.0	7.6	800	1.46	3.75	3.5	2350	6000	50
HMCA2 400H-2	2	280	2980	94.6	0.89	32.0	7.8	900	1.44	3.70	5.0	2900	6000	50
HMCA2 400H1-2	2	315	2980	94.8	0.89	35.5	7.7	1020	1.46	3.60	5.5	3000	6000	50
HMCA2 400H2-2	2	355	2980	95.1	0.90	40.0	7.8	1140	1.52	3.60	6.0	3100	6000	50
HMCA2 400H3-2	2	400	2980	95.3	0.91	44.5	7.9	1280	1.62	3.60	7.0	3200	6000	50
HMCA2 450H-2	2	450	2980	95.1	0.90	50.5	5.9	1440	0.52	3.00	11.0	3500	6000	50
HMCA2 450H1-2	2	500	2980	95.3	0.90	56.0	6.2	1600	0.56	3.15	12.0	3600	6000	50
HMCA2 450H2-2	2	560	2980	95.5	0.91	62.0	5.9	1800	0.54	2.95	13.0	3700	6000	50
HMCA2 450H3-2	2	630	2980	95.6	0.91	69.5	6.4	2020	0.61	3.20	14.0	3850	6000	50
HMCA2 500H-2	2	710	2990	95.8	0.88	81.0	7.2	2260	0.55	3.70	17.0	5780	6000	50
HMCA2 500H1-2	2	800	2990	95.9	0.88	91.0	6.6	2550	0.49	3.40	19.0	6050	6000	50
HMCA2 500H2-2	2	900	2990	96.0	0.88	102.0	6.8	2850	0.52	3.50	21.0	6320	6000	50
HMCA2 500H3-2	2	1000	2990	96.1	0.89	112.0	7.0	3200	0.55	3.55	23.0	6600	6000	50
HMCA2 560H-2	2	1120	2990	96.5	0.89	122.0	7.4	3500	0.46	3.90	24	8400	6000	50
HMCA2 560H1-2	2	1250	2990	96.7	0.90	138.0	7.0	4000	0.44	3.60	30	8800	6000	50
HMCA2 560H2-2	2	1400	2990	96.8	0.90	154.0	7.7	4450	0.50	3.95	33	9200	6000	50

4 pole 50°
6000 V

Motor type	Pole	Power	Speed	Efficiency	Cos Ø	Current	Ist/In	T norm	Tst/Tn	Tmax/Tn	IM	Weight	Voltage	Ambient temperature
		kW	RPM	%		A		Nm			J (kgm ²)			kg

HMCA2 6000 V, 50 Hz, ambient temperature 50°

HMCA2 355H-4	4	160	1490	94.6	0.84	19.4	6.7	1020	1.42	3.05	6.0	1900	6000	50
HMCA2 355H1-4	4	185	1490	94.4	0.82	22.8	6.9	1180	2.06	3.15	7.0	2000	6000	50
HMCA2 355H2-4	4	200	1490	94.7	0.85	24.0	6.5	1280	1.42	2.85	8.0	2100	6000	50
HMCA2 355H3-4	4	220	1490	94.6	0.83	27.0	7.6	1420	2.34	3.35	9.0	2200	6000	50
HMCA2 355H4-4	4	250	1490	94.7	0.84	30.5	7.4	1600	2.30	3.25	10	2300	6000	50
HMCA2 400H-4	4	280	1490	94.9	0.87	33.0	7.2	1800	2.16	3.10	11.0	3000	6000	50
HMCA2 400H1-4	4	315	1490	95.0	0.87	35.0	7.6	1920	2.30	3.25	12.0	3100	6000	50
HMCA2 400H2-4	4	355	1490	95.1	0.87	41.0	7.4	2280	2.30	3.10	13.0	3200	6000	50
HMCA2 400H3-4	4	400	1490	95.2	0.87	46.5	7.2	2550	2.42	3.05	14.0	3300	6000	50
HMCA2 450H-4	4	450	1490	94.9	0.89	51.5	6.7	2900	1.02	2.60	22.0	3600	6000	50
HMCA2 450H1-4	4	500	1490	95.1	0.89	57.0	7.3	3200	1.14	2.70	24.0	3700	6000	50
HMCA2 450H2-4	4	560	1490	95.3	0.89	63.5	6.7	3600	1.04	2.55	26.0	3800	6000	50
HMCA2 450H3-4	4	630	1490	95.4	0.90	71.0	6.5	4050	1.04	2.40	28.0	3950	6000	50
HMCA2 500H-4	4	710	1490	96.0	0.87	81.5	7.6	4550	1.08	2.70	41.0	5820	6000	50
HMCA2 500H1-4	4	800	1490	96.1	0.88	91.5	7.3	5100	1.06	2.60	44.0	6100	6000	50
HMCA2 500H2-4	4	900	1490	96.4	0.88	102.0	7.4	5750	1.10	2.50	47.0	6280	6000	50
HMCA2 500H3-4	4	1000	1490	96.5	0.88	114.0	7.4	6400	1.12	2.42	50	6420	6000	50
HMCA2 560H-4	4	1120	1490	96.3	0.90	124.0	7.3	7150	0.94	2.60	70	8020	6000	50
HMCA2 560H1-4	4	1250	1490	96.5	0.90	138.0	7.3	8000	0.96	2.60	74	8390	6000	50
HMCA2 560H2-4	4	1400	1490	96.6	0.90	154.0	7.7	8950	1.06	2.65	78	8750	6000	50
HMCA2 560H3-4	4	1600	1490	96.7	0.90	176.0	6.9	10250	0.95	2.36	82	9100	6000	50

6 pole 50°
6000 V

Motor type	Pole	Power	Speed	Efficiency	Cos Ø	Current	Ist/In	T norm	Tst/Tn	Tmax/Tn	IM	Weight	Voltage	Ambient temperature
		kW	RPM	%		A		Nm			J (kgm ²)			kg

HMCA2 6000 V, 50 Hz, ambient temperature 50°

HMCA2 355H-6	6	132	990	93.2	0.83	16.4	6.8	1280	2.06	2.90	9.0	2200	6000	50
HMCA2 355H1-6	6	160	990	93.5	0.84	19.6	6.7	1540	1.94	2.85	10	2300	6000	50
HMCA2 355H2-6	6	185	990	93.5	0.84	22.8	6.6	1780	1.96	2.80	11	2400	6000	50
HMCA2 400H-6	6	200	990	94.1	0.85	24.0	6.2	1920	1.72	2.70	14	2900	6000	50
HMCA2 400H1-6	6	220	990	94.2	0.85	26.5	6.8	2120	1.94	2.90	16	3000	6000	50
HMCA2 400H2-6	6	250	990	94.4	0.85	30.0	6.7	2400	1.94	2.85	18	3200	6000	50
HMCA2 400H3-6	6	280	990	94.5	0.85	33.5	6.7	2700	1.96	2.85	20.0	3400	6000	50
HMCA2 450H-6	6	315	990	94.8	0.85	37.5	6.1	3050	1.16	2.60	28.0	3500	6000	50
HMCA2 450H1-6	6	350	990	95.1	0.86	41.5	6.2	3350	1.20	2.65	30.0	3600	6000	50
HMCA2 450H2-6	6	400	990	95.2	0.86	47.5	6.5	3850	1.30	2.70	32.0	3700	6000	50
HMCA2 450H3-6	6	450	990	95.4	0.86	52.5	6.1	4350	1.20	2.50	34.0	3820	6000	50
HMCA2 500H-6	6	500	990	95.5	0.84	60.0	6.8	4800	1.12	2.40	54.0	5610	6000	50
HMCA2 500H1-6	6	560	990	95.7	0.85	66.5	6.8	5400	1.16	2.36	58.0	5790	6000	50
HMCA2 500H2-6	6	630	990	95.8	0.85	74.0	6.4	6050	1.08	2.20	62.0	6010	6000	50
HMCA2 500H3-6	6	710	990	96.0	0.85	83.5	6.8	6800	1.20	2.26	66.0	6230	6000	50
HMCA2 560H-6	6	800	1000	95.9	0.83	96.0	6.6	7650	0.82	2.90	94.0	7650	6000	50
HMCA2 560H1-6	6	900	1000	96.1	0.84	108.0	6.6	8650	0.84	2.85	102.0	7950	6000	50
HMCA2 560H2-6	6	1000	1000	96.2	0.85	118.0	6.9	9600	0.90	2.90	110	8250	6000	50
HMCA2 560H3-6	6	1120	1000	96.3	0.84	132.0	7.4	10750	1.00	3.00	118	8550	6000	50

8 pole 50°
6000 V

Motor type	Pole	Power	Speed	Efficiency	Cos Ø	Current	Ist/In	T norm	Tst/Tn	Tmax/Tn	IM	Weight	Voltage	Ambient temperature
		kW	RPM	%		A		Nm		J (kgm ²)	kg			V

HMCA2 6000 V, 50 Hz, ambient temperature 50°

HMCA2 400H-8	8	132	740	93.8	0.80	16.8	5.4	1700	1.68	2.48	15	3000	6000	50
HMCA2 400H1-8	8	160	740	93.9	0.80	20.4	5.4	2060	1.72	2.42	16	3100	6000	50
HMCA2 400H2-8	8	185	740	94.0	0.79	23.4	5.9	2320	1.94	2.65	18	3200	6000	50
HMCA2 400H3-8	8	200	740	94.1	0.79	26.0	5.6	2550	1.80	2.50	20	3300	6000	50
HMCA2 450H-8	8	220	740	94.2	0.80	28.0	6.0	2850	1.36	2.60	28	3500	6000	50
HMCA2 450H1-8	8	250	740	94.4	0.79	32.5	5.5	3200	1.22	2.55	30	3600	6000	50
HMCA2 450H2-8	8	280	740	94.6	0.80	35.5	5.8	3600	1.32	2.44	32.0	3700	6000	50
HMCA2 450H3-8	8	315	740	94.8	0.80	40.0	5.9	4050	1.38	2.46	34.0	3820	6000	50
HMCA2 500H-8	8	350	740	95.1	0.81	44.0	6.0	4550	1.16	2.70	54.0	5250	6000	50
HMCA2 500H1-8	8	400	740	95.2	0.82	49.0	5.8	5150	1.12	2.55	58.0	5490	6000	50
HMCA2 500H2-8	8	450	740	95.4	0.83	55.0	5.7	5750	1.10	2.48	62.0	5750	6000	50
HMCA2 500H3-8	8	500	740	95.6	0.83	60.5	5.9	6400	1.16	2.55	66.0	6020	6000	50
HMCA2 560H-8	8	560	740	95.4	0.81	70.0	5.7	7200	1.04	2.55	96.0	7000	6000	50
HMCA2 560H1-8	8	630	750	95.5	0.81	78.5	6.0	8050	1.14	2.65	105.0	7350	6000	50
HMCA2 560H2-8	8	710	750	95.8	0.82	87.0	5.6	9100	1.06	2.38	110.0	7700	6000	50
HMCA2 560H3-8	8	800	750	95.9	0.80	100.0	6.1	10250	1.22	2.60	116.0	8100	6000	50

2 pole 50°
6600 V

Motor type	Pole	Power	Speed	Efficiency	Cos Ø	Current	Ist/In	T norm	Tst/Tn	Tmax/Tn	IM	Weight	Voltage	Ambient temperature
		kW	RPM	%		A		Nm		J (kgm ²)	kg			V

HMCA2 6600 V, 50 Hz, ambient temperature 50°

HMCA2 355H-2	2	160	2980	93.8	0.90	16.6	7.8	515	0.98	4.00	2.6	1900	6600	50
HMCA2 355H1-2	2	185	2970	94.0	0.91	19.0	7.1	595	0.92	3.60	2.8	2000	6600	50
HMCA2 355H2-2	2	200	2980	94.0	0.89	20.8	7.8	640	1.46	3.95	3.0	2100	6600	50
HMCA2 355H3-2	2	220	2980	94.4	0.90	22.6	7.7	705	1.46	3.85	3.3	2200	6600	50
HMCA2 355H4-2	2	250	2980	94.7	0.91	25.5	7.4	800	1.44	3.65	3.5	2350	6600	50
HMCA2 400H-2	2	280	2980	94.6	0.89	29.0	7.5	900	1.40	3.60	5.0	2900	6600	50
HMCA2 400H1-2	2	315	2980	94.8	0.89	32.5	7.9	1000	1.52	3.70	5.5	3000	6600	50
HMCA2 400H2-2	2	355	2980	95.1	0.90	36.5	7.9	1140	1.56	3.65	6.0	3100	6600	50
HMCA2 400H3-2	2	400	2980	95.3	0.91	40.5	7.9	1280	1.60	3.60	7.0	3200	6600	50
HMCA2 450H-2	2	450	2980	95.1	0.90	46.0	5.9	1440	0.53	3.05	11.0	3500	6600	50
HMCA2 450H1-2	2	500	2980	95.3	0.90	51.0	6.1	1600	0.56	3.10	12.0	3600	6600	50
HMCA2 450H2-2	2	560	2980	95.5	0.91	56.5	5.8	1800	0.53	2.90	13.0	3700	6600	50
HMCA2 450H3-2	2	630	2980	95.7	0.91	63.0	6.1	2020	0.58	3.05	14.0	3850	6600	50
HMCA2 500H-2	2	710	2990	95.9	0.88	73.5	6.8	2260	0.51	3.50	17.0	5780	6600	50
HMCA2 500H1-2	2	800	2990	95.9	0.88	83.0	7.0	2550	0.52	3.60	19.0	6050	6600	50
HMCA2 500H2-2	2	900	2990	95.9	0.88	93.5	7.1	2850	0.54	3.65	21.0	6320	6600	50
HMCA2 500H3-2	2	1000	2990	96.1	0.89	102.0	7.2	3200	0.56	3.65	23.0	6600	6600	50
HMCA2 560H-2	2	1120	2990	96.5	0.90	112.0	7.3	3500	0.45	3.80	24	8400	6600	50
HMCA2 560H1-2	2	1250	2990	96.7	0.91	124.0	6.8	4000	0.43	3.50	30	8800	6600	50
HMCA2 560H2-2	2	1400	2990	96.9	0.91	140.0	7.3	4450	0.47	3.70	33	9200	6600	50

4 pole 50° 6600 V

Motor type	Pole	Power	Speed	Efficiency	Cos Ø	Current	Ist/In	T norm	Tst/Tn	Tmax/Tn	IM	Weight	Voltage	Ambient temperature
		kW	RPM	%		A		Nm			J (kgm ²)			kg

HMCA2 6600 V, 50 Hz, ambient temperature 50°

HMCA2 355H-4	4	160	1490	94.5	0.84	17.8	6.7	1020	1.42	3.05	6.0	1900	6600	50
HMCA2 355H1-4	4	185	1490	94.4	0.82	20.8	7.0	1180	2.10	3.20	7.0	2000	6600	50
HMCA2 355H2-4	4	200	1490	94.7	0.85	21.8	6.3	1280	1.34	2.75	8.0	2100	6600	50
HMCA2 355H3-4	4	220	1490	94.7	0.84	24.2	7.4	1420	2.26	3.25	9.0	2200	6600	50
HMCA2 355H4-4	4	250	1490	94.7	0.83	28.0	7.7	1600	2.42	3.35	10	2300	6600	50
HMCA2 400H-4	4	280	1490	94.9	0.86	30.0	7.4	1800	2.20	3.20	11.0	3000	6600	50
HMCA2 400H1-4	4	315	1490	95.0	0.87	32.0	7.7	1920	2.32	3.30	12.0	3100	6600	50
HMCA2 400H2-4	4	355	1490	95.1	0.87	37.5	7.3	2280	2.24	3.10	13.0	3200	6600	50
HMCA2 400H3-4	4	400	1490	94.9	0.89	51.5	6.7	2900	1.02	2.60	14.0	3300	6600	50
HMCA2 450H-4	4	450	1490	94.9	0.89	46.5	6.6	2900	0.99	2.55	22.0	3600	6600	50
HMCA2 450H1-4	4	500	1490	95.1	0.89	51.5	7.0	3200	1.08	2.65	24.0	3700	6600	50
HMCA2 450H2-4	4	560	1490	95.2	0.89	57.5	6.3	3600	0.97	2.42	26.0	3800	6600	50
HMCA2 450H3-4	4	630	1490	95.4	0.89	64.5	7.1	4050	1.14	2.60	28.0	3950	6600	50
HMCA2 500H-4	4	710	1490	96.0	0.87	74.0	7.4	4550	1.06	2.65	41.0	5820	6600	50
HMCA2 500H1-4	4	800	1490	96.1	0.88	83.0	7.1	5100	1.02	2.50	44.0	6100	6600	50
HMCA2 500H2-4	4	900	1490	96.3	0.88	93.5	7.6	5750	1.16	2.60	47.0	6280	6600	50
HMCA2 500H3-4	4	1000	1490	96.5	0.87	104.0	7.3	6400	1.10	2.38	50	6420	6600	50
HMCA2 560H-4	4	1120	1490	96.3	0.90	112.0	6.8	7150	0.86	2.46	70	8020	6600	50
HMCA2 560H1-4	4	1250	1490	96.4	0.90	126.0	7.4	8000	0.98	2.60	74	8390	6600	50
HMCA2 560H2-4	4	1400	1490	96.6	0.90	140.0	7.6	8950	1.02	2.60	78	8750	6600	50
HMCA2 560H3-4	4	1600	1490	96.7	0.90	160.0	6.8	10250	0.92	2.32	82	9100	6600	50

6 pole 50°
6600 V

Motor type	Pole	Power	Speed	Efficiency	Cos Ø	Current	Ist/In	T norm	Tst/Tn	Tmax/Tn	IM	Weight	Voltage	Ambient temperature
		kW	RPM	%		A		Nm			J (kgm ²)			kg

HMCA2 6600 V, 50 Hz, ambient temperature 50°

HMCA2 355H-6	6	132	990	93.3	0.84	14.8	6.3	1280	1.84	2.65	9.0	2200	6600	50
HMCA2 355H1-6	6	160	990	93.5	0.84	17.8	6.7	1540	1.92	2.85	10	2300	6600	50
HMCA2 355H2-6	6	185	990	93.5	0.84	20.6	6.4	1780	1.90	2.75	11	2400	6600	50
HMCA2 400H-6	6	200	990	94.1	0.85	21.8	6.0	1920	1.66	2.65	14	2900	6600	50
HMCA2 400H1-6	6	220	990	94.1	0.85	24.2	7.0	2120	2.02	3.00	16	3000	6600	50
HMCA2 400H2-6	6	250	990	94.3	0.85	27.5	6.8	2400	1.98	2.90	18	3200	6600	50
HMCA2 400H3-6	6	280	990	94.5	0.85	30.5	6.7	2700	1.94	2.85	20.0	3400	6600	50
HMCA2 450H-6	6	315	990	94.8	0.85	34.0	6.1	3050	1.16	2.60	28.0	3500	6600	50
HMCA2 450H1-6	6	350	990	95.1	0.86	37.5	6.2	3350	1.18	2.60	30.0	3600	6600	50
HMCA2 450H2-6	6	400	990	95.2	0.86	43.0	6.3	3850	1.22	2.60	32.0	3700	6600	50
HMCA2 450H3-6	6	450	990	95.4	0.86	48.0	5.8	4350	1.12	2.40	34.0	3820	6600	50
HMCA2 500H-6	6	500	990	95.4	0.84	54.5	6.5	4800	1.06	2.30	54.0	5610	6600	50
HMCA2 500H1-6	6	560	990	95.7	0.85	60.5	6.9	5400	1.16	2.36	58.0	5790	6600	50
HMCA2 500H2-6	6	630	750	96.0	0.81	89.5	5.6	10250	1.06	2.38	62.0	6010	6600	50
HMCA2 500H3-6	6	710	990	96.0	0.85	76.0	6.5	6800	1.12	2.18	66.0	6230	6600	50
HMCA2 560H-6	6	800	1000	95.9	0.84	87.0	6.2	7650	0.74	2.80	94.0	7650	6600	50
HMCA2 560H1-6	6	900	1000	96.1	0.84	98.0	6.8	8650	0.86	2.90	102.0	7950	6600	50
HMCA2 560H2-6	6	1000	1000	96.2	0.85	108.0	6.9	9600	0.90	2.90	110	8250	6600	50
HMCA2 560H3-6	6	1120	1000	96.3	0.85	120.0	7.2	10750	0.97	2.95	118	8550	6600	50

8 pole 50° 6600 V

Motor type	Pole	Power	Speed	Efficiency	Cos Ø	Current	Ist/In	T norm	Tst/Tn	Tmax/Tn	IM	Weight kg	Voltage V	Ambient temperature
		kW	RPM	%		A		Nm		J (kgm ²)	°C			

HMCA2 6600 V, 50 Hz, ambient temperature 50°

HMCA2 400H-8	8	132	740	93.8	0.80	15.4	5.3	1700	1.62	2.42	15	3000	6600	50
HMCA2 400H1-8	8	160	740	93.9	0.80	18.6	5.5	2060	1.76	2.44	16	3100	6600	50
HMCA2 400H2-8	8	185	740	94.0	0.79	21.2	5.8	2320	1.94	2.60	18	3200	6600	50
HMCA2 400H3-8	8	200	740	94.1	0.79	23.4	5.4	2550	1.70	2.44	20	3300	6600	50
HMCA2 450H-8	8	220	740	94.1	0.80	25.5	5.8	2850	1.32	2.55	28	3500	6600	50
HMCA2 450H1-8	8	250	740	94.4	0.78	29.5	5.6	3200	1.26	2.60	30	3600	6600	50
HMCA2 450H2-8	8	280	740	94.6	0.80	32.5	5.9	3600	1.36	2.48	32.0	3700	6600	50
HMCA2 450H3-8	8	315	740	94.8	0.80	36.0	5.9	4050	1.36	2.46	34.0	3820	6600	50
HMCA2 500H-8	8	350	740	95.1	0.82	40.0	5.6	4550	1.06	2.55	54.0	5250	6600	50
HMCA2 500H1-8	8	400	740	95.2	0.82	44.5	5.9	5150	1.14	2.60	58.0	5490	6600	50
HMCA2 500H2-8	8	450	740	95.4	0.83	50.0	5.7	5750	1.10	2.48	62.0	5750	6600	50
HMCA2 500H3-8	8	500	740	95.6	0.83	55.0	5.7	6400	1.12	2.48	66.0	6020	6600	50
HMCA2 560H-8	8	560	740	95.3	0.81	63.5	5.7	7200	1.04	2.55	96.0	7000	6600	50
HMCA2 560H1-8	8	630	740	95.5	0.81	71.0	5.8	8100	1.10	2.55	105.0	7350	6600	50
HMCA2 560H2-8	8	710	750	95.8	0.82	79.5	5.7	9100	1.08	2.42	110.0	7700	6600	50
HMCA2 560H3-8	8	800	750	96.0	0.81	89.5	5.6	10250	1.06	2.38	116.0	8100	6600	50

2 pole 50°
10,000 V

Motor type	Pole	Power	Speed	Efficiency	Cos Ø	Current	Ist/In	T norm	Tst/Tn	Tmax/Tn	IM	Weight	Voltage	Ambient temperature
		kW	RPM	%		A		Nm			J (kgm ²)			kg

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

HMCA2 400H-2	2	200	2980	93.6	0.89	13.80	7.7	640	1.14	3.85	5.0	2900	10,000	50
HMCA2 400H1-2	2	220	2980	94.1	0.90	15.00	7.9	705	1.22	3.85	5.5	3000	10,000	50
HMCA2 400H2-2	2	250	2980	94.3	0.91	16.80	7.9	800	1.26	3.85	6.0	3100	10,000	50
HMCA2 400H3-2	2	280	2980	94.6	0.92	18.60	7.5	900	1.20	3.55	7.0	3200	10,000	50
HMCA2 450H-2	2	315	2990	94.4	0.88	22.00	7.1	1000	0.62	3.70	11	3500	10,000	50
HMCA2 450H1-2	2	355	2990	94.7	0.89	24.20	6.8	1140	0.60	3.45	12	3600	10,000	50
HMCA2 450H2-2	2	400	2990	94.9	0.89	27.50	7.3	1280	0.67	3.70	13	3700	10,000	50
HMCA2 450H3-2	2	450	2980	95.1	0.90	30.50	6.7	1440	0.75	3.30	14	3850	10,000	50
HMCA2 500H-2	2	500	2990	95.0	0.84	36.50	6.9	1600	0.57	3.75	15	5500	10,000	50
HMCA2 500H1-2	2	560	2990	95.2	0.85	40.00	6.9	1780	0.58	3.70	17	5780	10,000	50
HMCA2 500H2-2	2	630	2990	95.5	0.86	44.00	6.9	2020	0.59	3.60	19	6050	10,000	50
HMCA2 500H3-2	2	710	2990	95.7	0.87	49.50	7.0	2260	0.61	3.60	21	6320	10,000	50
HMCA2 500H4-2	2	800	2990	95.9	0.87	55.50	7.1	2550	0.64	3.65	23	6600	10,000	50
HMCA2 560H-2	2	800	2990	95.9	0.90	53.50	6.7	2550	0.47	3.30	28	8000	10,000	50
HMCA2 560H1-2	2	900	2990	96.1	0.91	59.50	6.9	2900	0.50	3.35	32	8400	10,000	50
HMCA2 560H2-2	2	1000	2990	96.3	0.91	66.00	7.2	3200	0.54	3.45	36	8800	10,000	50
HMCA2 560H3-2	2	1120	2990	96.5	0.92	73.00	6.9	3600	0.53	3.25	42	9200	10,000	50

4 pole 50°
10,000 V

Motor type	Pole	Power	Speed	Efficiency	Cos Ø	Current	Ist/In	T norm	Tst/Tn	Tmax/Tn	IM	Weight	Voltage	Ambient temperature
		kW	RPM	%		A		Nm		J (kgm ²)	kg			V

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

HMCA2 400H-4	4	200	1480	93.2	0.82	15.00	7.5	1280	2.02	3.40	11	3000	10,000	50
HMCA2 400H1-4	4	220	1490	93.3	0.82	16.60	7.0	1420	1.70	3.30	12	3100	10,000	50
HMCA2 400H2-4	4	250	1480	93.6	0.83	18.60	6.9	1600	1.70	3.20	13	3200	10,000	50
HMCA2 400H3-4	4	280	1490	93.8	0.83	20.80	6.9	1800	1.72	3.15	14	3300	10,000	50
HMCA2 450H-4	4	315	1490	94.4	0.85	22.60	7.0	2020	1.44	2.90	20	3500	10,000	50
HMCA2 450H1-4	4	355	1490	94.6	0.85	25.50	7.4	2280	1.60	3.05	22	3600	10,000	50
HMCA2 450H2-4	4	400	1490	94.8	0.86	28.00	6.8	2550	1.46	2.75	24	3700	10,000	50
HMCA2 450H3-4	4	450	1490	95.0	0.87	28.00	7.4	2550	1.60	2.95	26	3800	10,000	50
HMCA2 450H4-4	4	500	1490	95.2	0.87	35.00	6.5	3200	1.44	2.60	28	3950	10,000	50
HMCA2 500H-4	4	560	1490	95.3	0.87	39.00	7.3	3600	1.24	2.70	41	5820	10,000	50
HMCA2 500H1-4	4	630	1490	95.5	0.88	39.50	6.9	4050	1.16	2.55	44	6100	10,000	50
HMCA2 500H2-4	4	710	1490	95.6	0.88	49.00	7.6	4550	1.36	2.70	47	6280	10,000	50
HMCA2 500H3-4	4	800	1490	95.9	0.88	54.50	7.0	5100	1.24	2.46	50	6420	10,000	50
HMCA2 560H-4	4	900	1490	95.7	0.89	61.50	7.2	5750	1.02	2.60	70	8020	10,000	50
HMCA2 560H1-4	4	1000	1490	95.9	0.89	67.50	6.6	6400	0.93	2.30	74	8390	10,000	50
HMCA2 560H2-4	4	1120	1490	96.1	0.89	75.50	6.9	7150	1.02	2.36	78	8750	10,000	50
HMCA2 560H3-4	4	1250	1490	96.2	0.89	84.00	7.5	8000	1.14	2.48	82	9100	10,000	50

6 pole 50°
10,000 V

Motor type	Pole	Power	Speed	Efficiency	Cos Ø	Current	Ist/In	T norm	Tst/Tn	Tmax/Tn	IM	Weight	Voltage	Ambient temperature
		kW	RPM	%		A		Nm		J (kgm ²)	kg			V

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

HMCA2 450H-6	6	200	990	96.2	0.89	13.40	6.8	1920	1.44	3.05	26	3400	10,000	50
HMCA2 450H1-6	6	220	990	94.0	0.81	16.60	7.3	2120	1.38	3.15	28	3500	10,000	50
HMCA2 450H2-6	6	250	990	94.4	0.83	18.40	6.7	2400	1.28	2.85	30	3600	10,000	50
HMCA2 450H3-6	6	280	990	94.6	0.82	20.80	7.0	2700	1.36	2.90	32	3700	10,000	50
HMCA2 450H4-6	6	315	990	94.5	0.82	23.40	7.1	3050	1.56	2.90	34	3820	10,000	50
HMCA2 500H-6	6	355	990	94.4	0.82	26.50	7.3	3400	1.50	2.85	50	5450	10,000	50
HMCA2 500H1-6	6	400	990	94.6	0.83	29.50	6.8	3850	1.42	2.65	54	5610	10,000	50
HMCA2 500H2-6	6	450	990	94.8	0.83	33.00	7.2	4300	1.56	2.70	58	5790	10,000	50
HMCA2 500H3-6	6	500	990	95.0	0.83	36.50	7.2	4800	1.58	2.65	62	6010	10,000	50
HMCA2 500H4-6	6	560	990	95.2	0.83	40.50	7.3	5400	1.62	2.65	66	6230	10,000	50
HMCA2 560H-6	6	630	990	95.3	0.86	44.50	6.5	6050	1.08	2.75	87	7400	10,000	50
HMCA2 560H1-6	6	710	1000	95.7	0.85	50.50	6.8	6800	1.02	2.80	94	7650	10,000	50
HMCA2 560H2-6	6	800	1000	95.9	0.85	56.50	7.0	7650	1.08	2.80	102	7950	10,000	50
HMCA2 560H3-6	6	900	1000	96.0	0.85	63.50	6.7	8650	1.02	2.75	110	8250	10,000	50
HMCA2 560H4-6	6	1000	990	96.0	0.85	70.50	7.6	9600	1.40	2.95	118	8550	10,000	50

8 pole 50°
10,000 V

Motor type	Pole	Power	Speed	Efficiency	Cos Ø	Current	Ist/In	T norm	Tst/Tn	Tmax/Tn	IM	Weight	Voltage	Ambient temperature
		kW	RPM	%		A		Nm		J (kgm ²)	kg			V

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

HMCA2 450H-8	8	200	740	94.1	0.75	16.40	5.8	2550	1.46	2.95	30	3600	10,000	50
HMCA2 450H1-8	8	220	740	94.3	0.75	17.80	6.0	2850	1.54	3.00	32	3700	10,000	50
HMCA2 450H2-8	8	250	740	94.5	0.75	20.40	6.1	3200	1.56	3.00	34	3820	10,000	50
HMCA2 500H-8	8	280	740	94.2	0.79	21.80	5.9	3600	1.32	2.60	54	5250	10,000	50
HMCA2 500H1-8	8	315	750	94.6	0.80	23.00	6.5	3850	1.30	2.80	58	5490	10,000	50
HMCA2 500H2-8	8	355	750	94.7	0.79	27.50	6.6	4550	1.40	2.80	62	5750	10,000	50
HMCA2 500H3-8	8	400	740	94.8	0.79	30.50	6.1	5150	1.56	2.60	66	6020	10,000	50
HMCA2 560H-8	8	450	750	95.0	0.79	32.50	6.4	5450	1.30	2.90	88	6650	10,000	50
HMCA2 560H1-8	8	500	750	95.1	0.78	39.00	5.7	6400	1.12	2.60	96	7000	10,000	50
HMCA2 560H2-8	8	560	750	95.5	0.78	43.50	6.0	7150	1.10	2.60	105	7350	10,000	50
HMCA2 560H3-8	8	630	750	95.7	0.79	48.00	6.6	8050	1.32	2.85	110	7700	10,000	50
HMCA2 560H4-8	8	710	750	95.7	0.80	47.50	7.4	8050	1.62	3.15	116	8100	10,000	50

2 pole 50°
11,000 V

Motor type	Pole	Power	Speed	Efficiency	Cos Ø	Current	Ist/In	T norm	Tst/Tn	Tmax/Tn	IM	Weight	Voltage	Ambient temperature
		kW	RPM	%		A		Nm			J (kgm ²)			kg

HMCA2 11,000 V, 50 Hz, ambient temperature 50°

HMCA2 400H-2	2	200	2980	93.6	0.89	12.60	7.5	640	1.10	3.70	5.0	2900	11,000	50
HMCA2 400H1-2	2	220	2980	94.1	0.91	13.60	7.5	705	1.14	3.70	5.5	3000	11,000	50
HMCA2 400H2-2	2	250	2980	94.3	0.91	15.20	7.4	800	1.16	3.60	6.0	3500	11,000	50
HMCA2 400H3-2	2	280	2980	94.6	0.92	17.00	7.5	900	1.22	3.60	7.0	3200	11,000	50
HMCA2 450H-2	2	315	2990	94.4	0.88	20.00	7.0	1000	0.61	3.65	11	3500	11,000	50
HMCA2 450H1-2	2	355	2990	94.8	0.89	22.00	6.6	1140	0.58	3.40	12	3600	11,000	50
HMCA2 450H2-2	2	400	2990	94.9	0.90	24.80	7.0	1280	0.64	3.55	13	3700	11,000	50
HMCA2 450H3-2	2	450	2980	95.1	0.89	28.00	7.1	1440	0.81	3.50	14	3850	11,000	50
HMCA2 500H-2	2	500	2990	95.1	0.85	32.50	6.5	1600	0.53	3.50	15	5500	11,000	50
HMCA2 500H1-2	2	560	2990	95.1	0.84	37.00	7.1	1780	0.61	3.85	17	5780	11,000	50
HMCA2 500H2-2	2	630	2990	95.5	0.85	40.50	7.1	2020	0.61	3.80	19	6050	11,000	50
HMCA2 500H3-2	2	710	2990	95.7	0.86	45.00	7.1	2260	0.63	3.70	21	6320	11,000	50
HMCA2 500H4-2	2	800	2990	95.9	0.87	50.50	7.2	2550	0.65	3.75	23	6600	11,000	50
HMCA2 560H-2	2	800	2990	95.8	0.90	48.50	6.9	2550	0.49	3.40	28	8000	11,000	50
HMCA2 560H1-2	2	900	2990	96.0	0.90	54.50	7.0	2850	0.51	3.40	32	8400	11,000	50
HMCA2 560H2-2	2	1000	2990	96.2	0.91	60.00	7.2	3200	0.54	3.45	36	8800	11,000	50
HMCA2 560H3-2	2	1120	2990	96.5	0.92	66.50	6.9	3600	0.53	3.20	42	9200	11,000	50

4 pole 50°
11,000 V

Motor type	Pole	Power	Speed	Efficiency	Cos Ø	Current	Ist/In	T norm	Tst/Tn	Tmax/Tn	IM	Weight	Voltage	Ambient temperature
		kW	RPM	%		A		Nm		J (kgm ²)	kg			V

HMCA2 11,000 V, 50 Hz, ambient temperature 50°

HMCA2 400H-4	4	200	1480	93.2	0.82	13.60	7.4	1280	1.96	3.35	11	3000	11,000	50
HMCA2 400H1-4	4	220	1490	93.3	0.81	15.20	7.2	1420	1.78	3.40	12	3100	11,000	50
HMCA2 400H2-4	4	250	1480	93.5	0.82	17.00	7.0	1600	1.74	3.25	13	3200	11,000	50
HMCA2 400H3-4	4	280	1490	93.8	0.82	19.00	6.9	1800	1.74	3.15	14	3300	11,000	50
HMCA2 450H-4	4	315	1490	94.4	0.85	20.60	6.9	2020	1.40	2.85	20	3500	11,000	50
HMCA2 450H1-4	4	355	1490	94.6	0.85	23.00	7.2	2280	1.52	2.95	22	3600	11,000	50
HMCA2 450H2-4	4	400	1490	94.7	0.85	26.00	7.3	2550	1.58	2.95	24	3700	11,000	50
HMCA2 450H3-4	4	450	1490	94.9	0.86	25.50	8.0	2550	1.76	3.15	26	3800	11,000	50
HMCA2 450H4-4	4	500	1490	95.2	0.87	32.00	6.9	3200	1.52	2.70	28	3950	11,000	50
HMCA2 500H-4	4	560	1490	95.3	0.88	35.00	7.0	3600	1.16	2.60	41	5820	11,000	50
HMCA2 500H1-4	4	630	1490	95.6	0.88	49.00	7.6	4550	1.36	2.70	44	6100	11,000	50
HMCA2 500H2-4	4	710	1490	95.6	0.88	44.00	6.9	4550	1.20	2.48	47	6280	11,000	50
HMCA2 500H3-4	4	800	1490	95.9	0.88	49.50	7.0	5100	1.24	2.46	50	6420	11,000	50
HMCA2 560H-4	4	900	1490	95.4	0.88	56.00	7.2	5750	1.02	2.65	70	8020	11,000	50
HMCA2 560H1-4	4	1000	1490	95.9	0.89	61.50	6.5	6400	0.93	2.30	74	8390	11,000	50
HMCA2 560H2-4	4	1120	1490	96.1	0.89	68.50	6.7	7150	0.98	2.30	78	8750	11,000	50
HMCA2 560H3-4	4	1250	1490	96.2	0.89	76.50	7.1	8000	1.06	2.36	82	9100	11,000	50

6 pole 50°
11,000 V

Motor type	Pole	Power	Speed	Efficiency	Cos Ø	Current	Ist/In	T norm	Tst/Tn	Tmax/Tn	IM	Weight	Voltage	Ambient temperature
		kW	RPM	%		A		Nm		J (kgm ²)	kg			V

HMCA2 11,000 V, 50 Hz, ambient temperature 50°

HMCA2 450H-6	6	200	990	93.4	0.79	14.20	7.0	1920	1.48	3.15	26	3400	11,000	50
HMCA2 450H1-6	6	220	990	94.0	0.81	15.20	7.3	2120	1.40	3.20	28	3500	11,000	50
HMCA2 450H2-6	6	250	990	94.4	0.83	16.80	6.7	2400	1.28	2.85	30	3600	11,000	50
HMCA2 450H3-6	6	280	1490	93.8	0.82	19.00	6.9	1800	1.74	3.15	32	3700	11,000	50
HMCA2 450H4-6	6	315	990	94.6	0.82	21.20	6.7	3050	1.44	2.75	34	3820	11,000	50
HMCA2 500H-6	6	355	990	94.3	0.82	24.00	7.3	3400	1.48	2.85	50	5450	11,000	50
HMCA2 500H1-6	6	400	990	94.5	0.82	27.00	7.3	3850	1.54	2.80	54	5610	11,000	50
HMCA2 500H2-6	6	450	990	94.8	0.83	30.00	6.9	4300	1.48	2.60	58	5790	11,000	50
HMCA2 500H3-6	6	500	990	95.1	0.84	33.00	6.8	4800	1.46	2.55	62	6010	11,000	50
HMCA2 500H4-6	6	560	990	95.1	0.83	37.00	7.4	5400	1.66	2.70	66	6230	11,000	50
HMCA2 560H-6	6	630	990	95.2	0.85	40.50	6.8	6050	1.12	2.85	87	7400	11,000	50
HMCA2 560H1-6	6	710	1000	95.7	0.85	46.00	6.9	6800	1.04	2.85	94	7650	11,000	50
HMCA2 560H2-6	6	800	1000	95.9	0.85	51.50	6.9	7650	1.06	2.80	102	7950	11,000	50
HMCA2 560H3-6	6	900	1000	96.0	0.85	57.50	6.6	8650	0.99	2.70	110	8250	11,000	50
HMCA2 560H4-6	6	1000	990	96.1	0.86	63.50	7.2	9600	1.28	2.80	118	8550	11,000	50

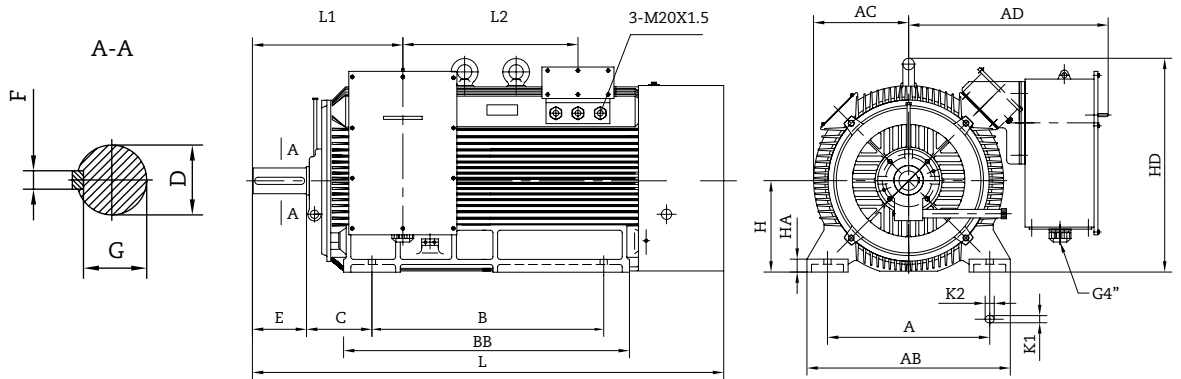
8 pole 50°
11,000 V

Motor type	Pole	Power	Speed	Efficiency	Cos ϕ	Current	Ist/ In	T norm	Tst/Tn	Tmax/ Tn	IM	Weight kg	Voltage V	Ambient temperature
		kW	RPM	%		A		Nm		J (kgm ²)	°C			

HMCA2 11,000 V, 50 Hz, ambient temperature 50°

HMCA2 450H-8	8	200	740	94.0	0.74	15.00	6.0	2550	1.52	3.05	30	3600	11,000	50
HMCA2 450H1-8	8	220	740	94.3	0.75	16.20	6.1	2850	1.56	3.05	32	3700	11,000	50
HMCA2 450H2-8	8	250	740	94.5	0.75	18.60	6.1	3200	1.56	3.00	34	3820	11,000	50
HMCA2 500H-8	8	280	740	94.2	0.79	19.80	6.0	3600	1.34	2.65	54	5250	11,000	50
HMCA2 500H1-8	8	315	750	94.6	0.80	20.80	6.5	3850	1.30	2.80	58	5490	11,000	50
HMCA2 500H2-8	8	355	750	94.7	0.79	24.80	6.5	4550	1.34	2.75	62	5750	11,000	50
HMCA2 500H3-8	8	400	740	94.8	0.79	28.00	6.0	5150	1.52	2.55	66	6020	11,000	50
HMCA2 560H-8	8	450	750	94.9	0.78	30.00	6.9	5450	1.46	3.15	88	6650	11,000	50
HMCA2 560H1-8	8	500	750	95.0	0.77	35.50	6.1	6400	1.20	2.75	96	7000	11,000	50
HMCA2 560H2-8	8	560	750	95.5	0.78	39.50	6.3	7150	1.16	2.70	105	7350	11,000	50
HMCA2 560H3-8	8	630	750	95.7	0.78	44.00	6.7	8050	1.36	2.90	110	7700	11,000	50
HMCA2 560H4-8	8	710	750	95.7	0.80	43.50	7.5	8050	1.66	3.20	116	8100	11,000	50

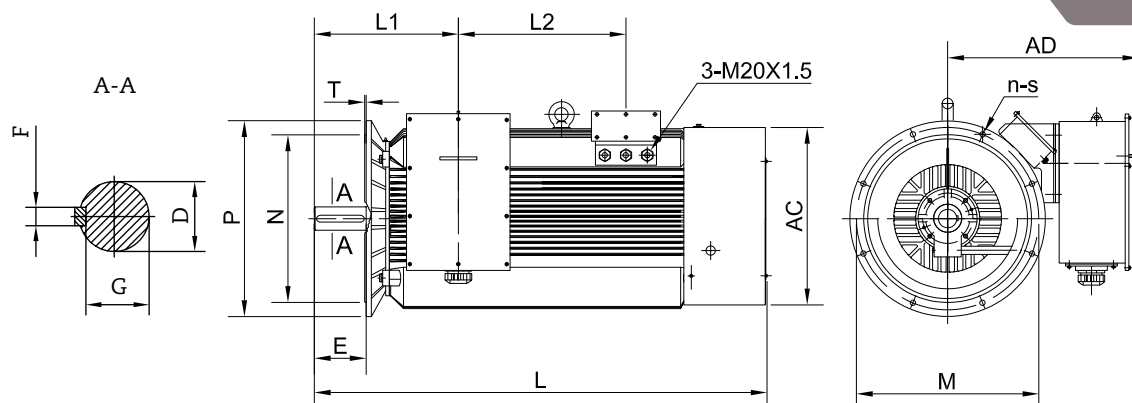
Dimensions B3



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	67.5	0	355	0	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	90	0	355	0	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	76	0	400	0	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	100	0	400	0	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	86	0	450	0	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	109	0	450	0	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	119	0	450	0	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	100	0	500	0	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	119	0	500	0	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	128	0	500	0	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	119	0	560	0	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	138	0	560	0	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	147	0	560	0	42	+0.62 0	52

Motor size	Poles	AC	AD	AB	BB	HA	HD	L1	L2	L
355	2	720	780	780	1110	50	830	514	680	1740
355	4,6	720	780	780	1110	50	830	584	680	1830
400	2	795	900	870	1200	50	960	656	600	1980
400	4,6,8	795	900	870	1200	50	960	696	600	2020
450	2	886	930	950	1340	50	1070	651	785	2150
450	4	886	930	950	1340	50	1070	691	785	2180
450	6,8	886	930	950	1340	50	1070	731	785	2220
500	2	1014	990	1080	1490	50	1220	789	1045	2500
500	4,6,8	1014	990	1080	1490	50	1220	829	1045	2410
560	2	1150	1050	1170	1680	60	1480	977	1010	2700
560	4	1150	1050	1170	1680	60	1480	802	1010	2690
560	6,8	1150	1050	1170	1680	60	1480	852	1010	2740

Dimensions V1

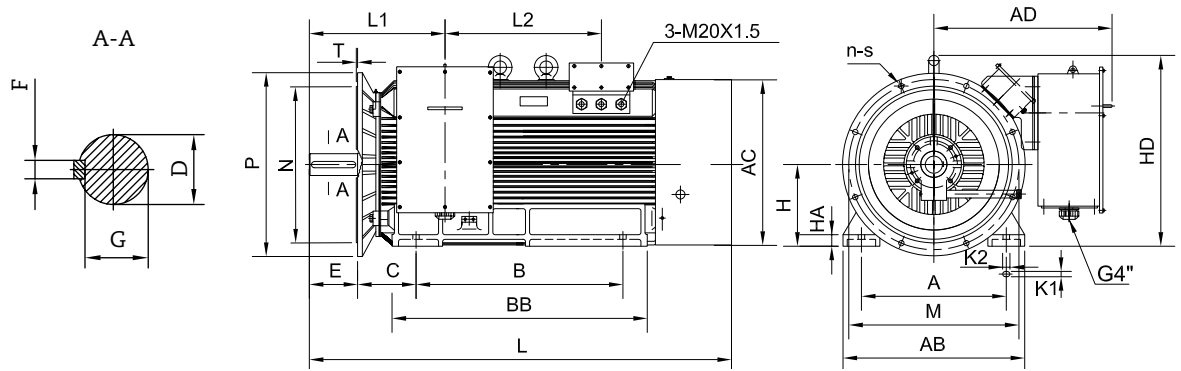


Motor size	Poles	A	B	C	D	E	F	G	H	K1	K2					
355	2	630±1.4	900±1.4	254±4	75	+0.035 +0.013	140±0.5	20	0	67.5	0	355	0	28	+0.52 0	35
355	4,6	630±1.4	900±1.4	254±4	100	+0.035 +0.013	210±0.57	28	0	90	0	355	0	28	+0.52 0	35
400	2	710±1.75	1000±1.75	280±4	85	+0.035 +0.013	170±0.5	22	0	76	0	400	0	35	+0.62 0	42
400	4,6,8	710±1.75	1000±1.75	280±4	110	+0.035 +0.013	210±0.57	28	0	100	0	400	0	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	109	0	450	0	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	119	0	450	0	35	+0.62 0	42
500	4	900±2.1	1250±2.1	315±4	130	+0.04 +0.015	250±0.57	32	0	119	0	500	0	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	128	0	500	0	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	138	0	560	0	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	147	0	560	0	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	720	780	780	1110	50	830	514	680	1740	800	740	680	8-24	6
355	4,6	720	780	780	1110	50	830	584	680	1830	800	740	680	8-24	6
400	2	795	900	870	1200	50	960	656	600	1980	1000	940	880	8-28	6
400	4,6,8	795	900	870	1200	50	960	696	600	2020	1000	940	880	8-28	6
450	4	886	930	950	1340	50	1070	691	785	2180	1150	1080	1000	8-28	6
450	6,8	886	930	950	1340	50	1070	731	785	2220	1150	1080	1000	8-28	6
500	4,6,8	1014	990	1080	1490	50	1220	829	1045	2410	1250	1180	1120	8-28	7
560	4	1150	1050	1170	1680	60	1480	802	1010	2690	1250	1180	1120	8-28	7
560	6,8	1150	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	67.5	0	355	0	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	90	0	355	0	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	76	0	400	0	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	100	0	400	0	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	86	0	450	0	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	109	0	450	0	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	119	0	450	0	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	100	0	500	0	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	119	0	500	0	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	128	0	500	0	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	138	0	560	0	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	147	0	560	0	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	720	780	780	1110	50	830	514	680	1740	800	740	680	8-24	6
355	4,6	720	780	780	1110	50	830	584	680	1830	800	740	680	8-24	6
400	2	795	900	870	1200	50	960	656	600	1980	1000	940	880	8-28	6
400	4,6,8	795	900	870	1200	50	960	696	600	2020	1000	940	880	8-28	6
450	2	886	930	950	1340	50	1070	651	785	2150	1150	1080	1000	8-28	6
450	4	886	930	950	1340	50	1070	691	785	2180	1150	1080	1000	8-28	6
450	6,8	886	930	950	1340	50	1070	731	785	2220	1150	1080	1000	8-28	6
500	2	1014	990	1080	1490	50	1220	789	1045	2500	1250	1180	1120	8-28	7
500	4,6,8	1014	990	1080	1490	50	1220	829	1045	2410	1250	1180	1120	8-28	7
560	4	1150	1050	1170	1680	60	1480	802	1010	2690	1250	1180	1120	8-28	7
560	6,8	1150	1050	1170	1680	60	1480	852	1010	2740	1250	1180	1120	8-28	7