Data sheet

Item no. / Configuration 01 / 2104315-0132-010202-S-019677
Description HMC2-315M-4 400/690 V 50 Hz 132 kW

General data	
Standard series	IEC 60034
Type	HMC2 315M-4
Design	400 VD / 690 VY 50 Hz + 480 VD / 830 VY 60 Hz
Direction of rotation	CW
Installation max. altitude (m)	1.000
Poles	4

Motor protection	
Winding temp. detector	No
Temp. detector type	None
Bearing detector	No
Winding PTC main	PTC 3 x 155°C
Winding PTC spare	None
Space heater	230 V 100 W
Terminal board thread	M16
Electrical insulation	Standard (1350 V @ 0.8 µs)
Tropical insulation	Yes
SPM	N/A
External grounding	Yes
Drain hole	Yes
Rain cap	No

Classification	
Class society	
Shaft requirement acc. to	Shaft inspection
Ex. code	No

Mechanical data	
Frame / Shaft height	IEC 315
Type of construction	B3
Cooling method	IC411
Protection class	IP55
Temp. insulation class	F
Frame material	Cast iron
Keyway	Closed
Balancing	Half key
IEC vibration class	A
Weight (kg)	940
Bearing (DE)	6319 / C3 / DGBB
Bearing (NDE)	6319 / C3 / DGBB
Fixed bearing	DE
Moment of inertia (kg×m²)	3
Painting (color)	RAL 9005
Corrosion protection	C3L
Main terminal box pos.	DE top
Main cable entries	Cable gland 2xM63x1.5 Ø37-44 mm
Main cable direction	Right from DE
Main cable material	Nickel plated brass
Aux. cable entries	Blind cap 2xM20x1.5
Aux. cable direction	NDE
Aux. cable material	Nickel plated brass

Winding operation variants						
Rated power (kW)	132	128	154			
Frequency (Hz)	50	50	60			
Connection	D/Y	D/Y	D/Y			
Voltage (V)	400 / 690	380 / 660	440 / 762			
Full load current (A)	226 / 130	246 / 142	240 / 138			
No load current (A)	66.3	77.32905671380665	86			
Speed (rpm)	1486	1486	1783			
Power factor 100/75/50 (%)	0.89 / 0 / 0	0.89 / 0 / 0	0.89 / 0 / 0			
Efficiency 100/75/50 (%)	95.2 / 95.4 / 94.8	95.2 / 95.4 / 94.8	95.2 / 95.4 / 94.8			
Efficiency class	IE2	IE2	IE1			
Full load torque (Nm)	848	823	823			
Tst/Tn	2.14	2.02	1.86			
Tmax/Tn	2.84	2.61	2.46			
Ist/In	6.44	5.93	5.92			
Temp. rise class	B	B	B			
Duty	S1	S1	S1			
Sound pressure level (dBA)	86.5	86.5	91.5			
Min. ambient temp. (°C)	-20°C	-20°C	-20°C			
Max. ambient temp. (°C)	40°C	45°C	45°C			

Data are not binding. Hoyer reserves the right to implement changes without notice. The extent of data are not equivalent to nameplate on the motors.