

Data sheet

Ref. no.	Datasheet
Ext. item no.	I_237163/PS
Item no. / Configuration	01 / 4104315-0132-010201-M-056219
Description	HMC4 315M-4 400/690 V 50 Hz 132 kW

Sales order	SODK-255781
Our reference	Timo Alexander Jansen
Date	29-07-2026

General data	
Standard series	IEC 60034
Type	HMC4 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 secondary	None
Space heater	None
Terminal board thread	M16x2.0
Electrical insulation	Standard (1350 V @ 0.8 µs)
Tropical insulation	No
SPM	N/A
External grounding	Yes
Drain hole	Yes
Rain cap	No

Classification	
Class society	
Materials approval	None
Ex. code	No
Industrial certification	CE, UKCA

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)	956
Bearing (DE)	NU 319 ECP / C3 / CRB
Bearing (NDE)	6319 / C3 / DGBB (CIB)
Fixed bearing	NDE
Moment of inertia (kg×m ²)	3.354
Painting (color)	RAL 9005
Corrosion protection	C3L
Main terminal box pos.	DE top
Main cable entries	Blind cap 2xM63x1.5
Main cable direction	Right from DE
Main cable material	Plastic
Aux. cable entries	Blind cap 2xM20x1.5
Aux. cable direction	NDE
Aux. cable material	Plastic

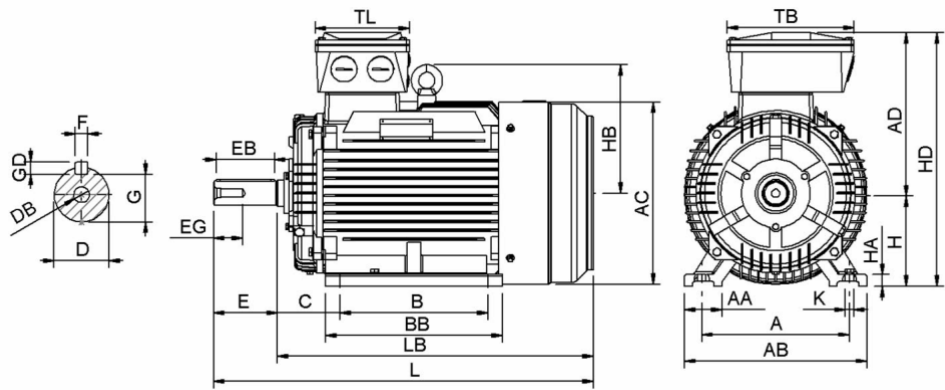
Winding operation variants					
Rated power (kW)	132	132			
Frequency (Hz)	50	60			
Connection	D/Y	D/Y			
Voltage (V)	400 / 690	480 / 830			
Full load current (A)	222 / 129	185 / 107			
No load current (A)	63.8	59.5			
Speed (rpm)	1485	1785			
Power factor 100/75/50 (%)	0.89 / 0.87 / 0.8	0.89 / 0.84 / 0.76			
Efficiency 100/75/50 (%)	96.4 / 96.49 / 96.09	96.5 / 96.1 / 95.33			
Efficiency class	IE4	IE4			
Full load torque (Nm)	849	707			
Tst/Tn	3.35	4.5			
Tmax/Tn	3.54	4.21			
Ist/In	9.32	11.1			
Temp. rise class	B	B			
Duty	S1	S1			
Sound pressure level (dBA)	72	77			
Min. ambient temp. (°C)	-20°C	-20°C			
Max. ambient temp. (°C)	40°C	40°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.

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A 508.00	AA 120.00	AB 628.00	AC 618.00	AD 546.00	B 457.00	BB 680.00	C 216.00	D 80.00	E 170.00	EB 160.00	EG 56.00	F 22.00	G 71.00	GD 14.00	H 315.00
HA 45.00	HB 432.00	HD 861.00	K 28.00	L 1333.00	LB 1163.00	P 0	S 0	TB 420.00	TL 299.00						