

Data sheet

Ref. no.	RFQ # H0078438-2	Sales order	SODK-228861
Item no. / Configuration	01 / 3102132-5.50-010201-S-A00670	Our reference	Alex Suciu Alexandru
Description	HMA3 132S1-2 B3 5.5kW IE3@50 400/690@50 RAL9005	Date	17-10-2025

General data	
Standard series	IEC 60034
Type	HMA3 132S1-2
Design	400 VD / 690 VY 50 Hz + 480 VD / 830 VY 60 Hz
Direction of rotation	CW
Installation max. altitude (m)	1.000
Poles	2

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	None
Terminal board thread	M5
Electrical insulation	Standard (1350 V @ 0.8 µs)
Tropical insulation	No
SPM	N/A
External grounding	No
Drain hole	Yes
Rain cap	No

Classification	
Class society	
Shaft requirement acc. to	None
Ex. code	No
Industrial certification	CE, UKCA

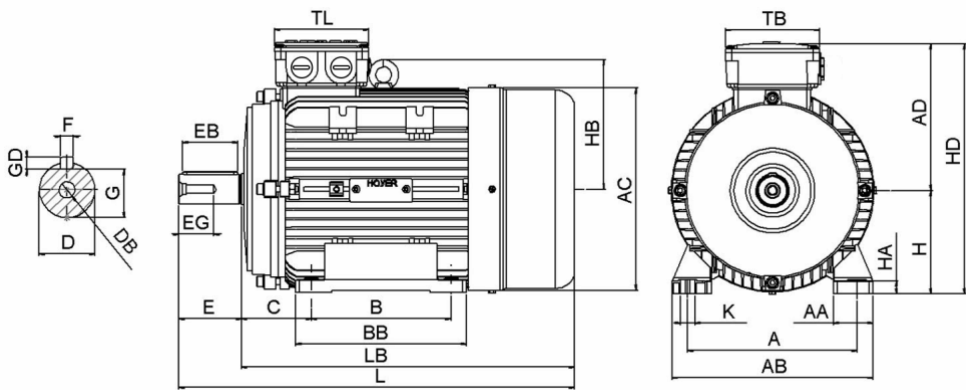
Mechanical data	
Frame / Shaft height	IEC 132
Type of construction	B3
Cooling method	IC411
Protection class	IP55
Temp. insulation class	F
Frame material	Aluminum
Keyway	Closed
Balancing	Half key
IEC vibration class	A
Weight (kg)	47.7
Bearing (DE)	6308 2Z / C3 / DGBB
Bearing (NDE)	6308 2Z / C3 / DGBB
Fixed bearing	DE
Moment of inertia (kg×m ²)	0
Painting (color)	RAL 9005
Corrosion protection	C3L
Main terminal box pos.	DE top
Main cable entries	Blind cap 2xM25x1.5
Main cable direction	Right from DE
Main cable material	Plastic
Aux. cable entries	Blind cap 1xM20x1.5
Aux. cable direction	NDE
Aux. cable material	Plastic

	Winding operation variants				
Rated power (kW)	5.5	5.5	6.41	5.34	
Frequency (Hz)	50	60	60	50	
Connection	D/Y	D/Y	D/Y	D/Y	
Voltage (V)	400 / 690	480 / 830	440 / 762	380 / 660	
Full load current (A)	9.83 / 5.68	8.36 / 4.83	10.2 / 5.86	10.2 / 5.86	
No load current (A)	3.24	3.24	3.24	3.24	
Speed (rpm)	2934	3521	3521	2934	
Power factor 100/75/50 (%)	0.9 / 0.87 / 0.79	0.9 / 0.87 / 0.79	0.91 / 0.89 / 0.82	0.91 / 0.88 / 0.81	
Efficiency 100/75/50 (%)	89.3 / 89.2 / 87.6	89.5 / 88.0 / 86.4	88.6 / 88.5 / 86.8	89.3 / 89.2 / 87.6	
Efficiency class	IE3	IE3	IE2	IE3	
Full load torque (Nm)	17.9	14.9	17.4	17.4	
Tst/Tn	2.48	3	2.16	2.31	
Tmax/Tn	2.8	3.36	2.44	2.61	
Ist/In	9.04	10.6	8.05	7.96	
Temp. rise class	B	B	B	B	
Duty	S1	S1	S1	S1	
Sound pressure level (dBA)	70	75	75	70	
Min. ambient temp. (°C)	-20°C	-20°C	-20°C	-20°C	
Max. ambient temp. (°C)	40°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.

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A 216.00	AA 50.00	AB 256.00	AC 258.00	AD 187.00	B 140.00	BB 180.00	C 89.00	D 38.00	DB 12.00	E 80.00	EB 70.00	EG 30.00	F 10.00	G 33.00	GD 8.00
H 132.00	HA 18.00	HB 165.00	HD 319.00	K 18.00	L 463.00	LB 383.00	TB 120.00	TL 120.00							