

Data sheet

Ref. no.	1585489
Item no. / Configuration	01 / 3104100-2.20-020101-S-A00745
Description	HMA3 100L1-4 B5 2.2kW IE3@50 230/400@50 RAL9005

Sales order	SODK-210957
Line no.	Pos. 1
Our reference	Thomas Nylander Roest
Date	15-04-2025

General data	
Standard series	IEC 60034
Type	HMA3 100L1-4
Design	230 VD / 400 VY 50 Hz + 280 VD / 480 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	None
Terminal board thread	M4
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

Mechanical data	
Frame / Shaft height	IEC 100
Type of construction	B5
Cooling method	IC411
Protection class	IP55
Temp. insulation class	F
Frame material	Aluminum
Keyway	Closed
Balancing	Half key
IEC vibration class	A
Weight (kg)	33
Bearing (DE)	6206 2Z / C3 / DGBB
Bearing (NDE)	6206 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 2xM20x1.5
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)	2.2					
Frequency (Hz)	50					
Connection	D/Y					
Voltage (V)	230 / 400					
Full load current (A)	7.88 / 4.55					
No load current (A)	2.44					
Speed (rpm)	1455					
Power factor 100/75/50 (%)	0.8 / 0.73 / 0.6					
Efficiency 100/75/50 (%)	86.8 / 87 / 85.4					
Efficiency class	IE3					
Full load torque (Nm)	14.4					
Tst/Tn	3.01					
Tmax/Tn	3.3					
Ist/In	8.13					
Temp. rise class	B					
Duty	S1					
Sound pressure level (dBA)	56					
Min. ambient temp. (°C)	-20°C					
Max. ambient temp. (°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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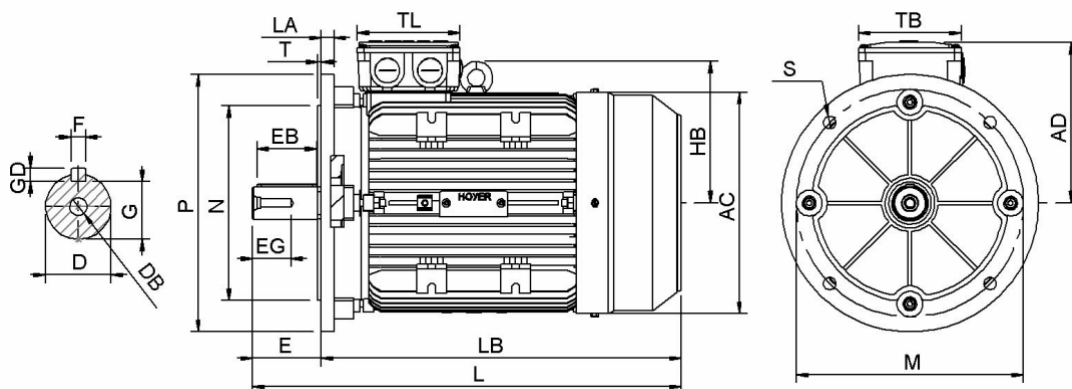
Description HMA3 100L1-4 B5 2.2kW IE3@50 230/400@50 RAL9005

Sales order SODK-210957

Line no. Pos. 1

Our reference Thomas Nylander Roest

Date 15-04-2025



AC 198.00	AD 147.00	D 28.00	E 60.00	EB 50.00	EG 28.00	F 8.00	G 24.00	GD 7.00	HB 135.00	L 406.00	LA 14.00	LB 346.00	M 215.00	N 180.00	P 250
S 14.5	T 4.00	TB 100.00	TL 100.00												

Data sheet

Ref. no. 1585489

Item no. / Configuration 01 / 3104132-7.50-040201-S-A00762

Description HMA3 132M-4 400/690V 50Hz 7.5kW

Sales order SODK-210957

Line no. Pos. 2

Our reference Thomas Nylander Roest

Date 15-04-2025

General data	
Standard series	IEC 60034
Type	HMA3 132M-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	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

Mechanical data	
Frame / Shaft height	IEC 132
Type of construction	B35
Cooling method	IC411
Protection class	IP55
Temp. insulation class	F
Frame material	Aluminum
Keyway	Closed
Balancing	Half key
IEC vibration class	A
Weight (kg)	64
Bearing (DE)	6308 2Z / C3 / DGBB
Bearing (NDE)	6308 2Z / C3 / DGBB
Fixed bearing	DE
Moment of inertia (kg×m ²)	0.044
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)	7.5	7.5			
Frequency (Hz)	50	60			
Connection	D/Y	D/Y			
Voltage (V)	400 / 690	480 / 830			
Full load current (A)	14 / 8.1	11.7 / 6.79			
No load current (A)	5.7	5.7			
Speed (rpm)	1462	1755			
Power factor 100/75/50 (%)	0.85 / 0.79 / 0.74	0.85 / 0.81 / 0.7			
Efficiency 100/75/50 (%)	90.4 / 91.2 / 90.9	91.7 / 91.2 / 90.9			
Efficiency class	IE3	IE3			
Full load torque (Nm)	49	40.8			
Tst/Tn	2.91	3.49			
Tmax/Tn	3	3.6			
Ist/In	8.82	10.5			
Temp. rise class	B	B			
Duty	S1	S1			
Sound pressure level (dBA)	61	66			
Min. ambient temp. (°C)	-20°C	-20°C			
Max. ambient temp. (°C)	40°C	40°C			

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Ref. no. 1585489

Item no. / Configuration 01 / 3104132-7.50-040201-S-A00762

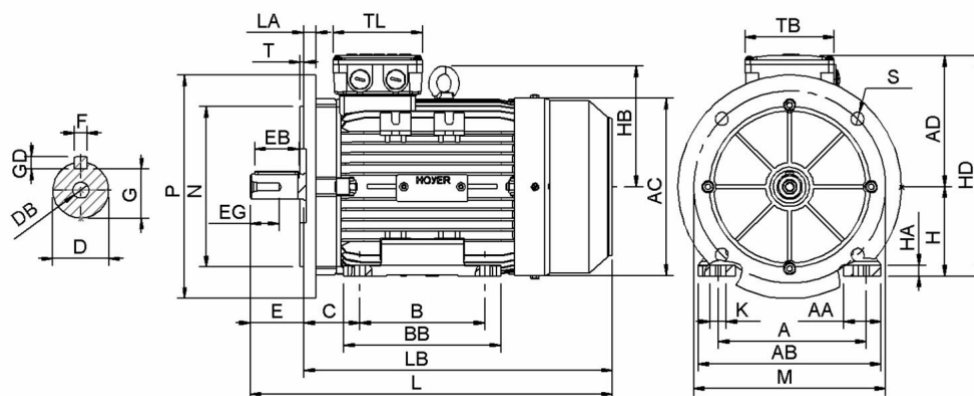
Description HMA3 132M-4 400/690V 50Hz 7.5kW

Sales order SODK-210957

Line no. Pos. 2

Our reference Thomas Nylander Roest

Date 15-04-2025



A 216.00	AA 50.00	AB 256.00	AC 258.00	AD 187.00	B 178.00	BB 218.00	C 89.00	D 38.00	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 501.00	LA 15.00	LB 421.00	M 265.00	N 230.00	P 300	S 15	T 4.00	TB 120.00	TL 120.00		

Data sheet

Ref. no. 1585489

Item no. / Configuration 01 / 3104090-1.50-020101-S-A00740

Description HMA3 90L-4 230/400V 50Hz 1.5kW

Sales order SODK-210957

Line no. Pos. 1

Our reference Thomas Nylander Roest

Date 15-04-2025

General data	
Standard series	IEC 60034
Type	HMA3 90L-4
Design	230 VD / 400 VY 50 Hz + 280 VD / 480 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	None
Terminal board thread	M4
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

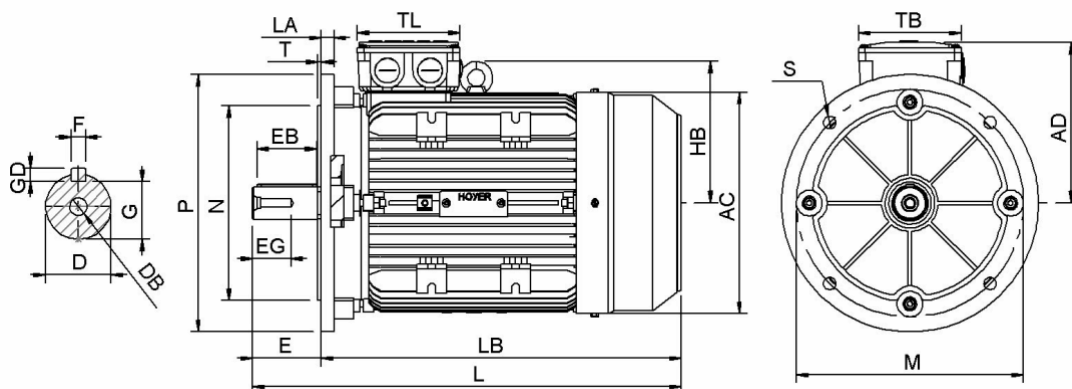
Mechanical data	
Frame / Shaft height	IEC 90
Type of construction	B5
Cooling method	IC411
Protection class	IP55
Temp. insulation class	F
Frame material	Aluminum
Keyway	Closed
Balancing	Half key
IEC vibration class	A
Weight (kg)	22
Bearing (DE)	6205 2Z / C3 / DGBB
Bearing (NDE)	6205 2Z / C3 / DGBB
Fixed bearing	DE
Moment of inertia (kg×m ²)	0.005
Painting (color)	RAL 9005
Corrosion protection	C3L
Main terminal box pos.	DE top
Main cable entries	Blind cap 2xM20x1.5
Main cable direction	Right from DE
Main cable material	Plastic
Aux. cable entries	N/A 0xN/A
Aux. cable direction	N/A
Aux. cable material	N/A

Winding operation variants					
Rated power (kW)	1.5	1.5			
Frequency (Hz)	50	60			
Connection	D/Y	D/Y			
Voltage (V)	230 / 400	280 / 480			
Full load current (A)	5.9 / 3.4	4.95 / 2.89			
No load current (A)	2.2	2.2			
Speed (rpm)	1453	1744			
Power factor 100/75/50 (%)	0.74 / 0.66 / 0.59	0.74 / 0.65 / 0.51			
Efficiency 100/75/50 (%)	85.3 / 85 / 82.5	86.5 / 84.2 / 81.7			
Efficiency class	IE3	IE3			
Full load torque (Nm)	9.9	8.21			
Tst/Tn	2.83	3.40			
Tmax/Tn	3	3.6			
Ist/In	8.21	9.82			
Temp. rise class	B	B			
Duty	S1	S1			
Sound pressure level (dBA)	54	59			
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.

Ref. no.	1585489
Item no. / Configuration	01 / 3104090-1.50-020101-S-A00740
Description	HMA3 90L-4 230/400V 50Hz 1.5kW

Sales order	SODK-210957
Line no.	Pos. 1
Our reference	Thomas Nylander Roest
Date	15-04-2025



AC 175.00	AD 132.00	D 24.00	E 50.00	EB 40.00	EG 24.00	F 8.00	G 20.00	GD 7.00	L 362.00	LA 10.00	LB 312.00	M 165.00	N 130.00	P 200	S 12
T 3.50	TB 100.00	TL 100.00													