

Data sheet

Ref. no. 1717317
Item no. / Configuration 01 / 3104225-37.0-010301-M-069334
Description HMC3 225S-4 690VD SF1.0 60Hz 37kW

Sales order SODK-224699
Our reference Trine Nyborg Sørensen
Date 08-09-2025

General data	
Standard series	IEC 60034
Type	HMC3 225S-4
Design	575 VD / 995 VY 50 Hz + 690 VD 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	M8
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	None
Ex. code	No
Industrial certification	CE, UKCA

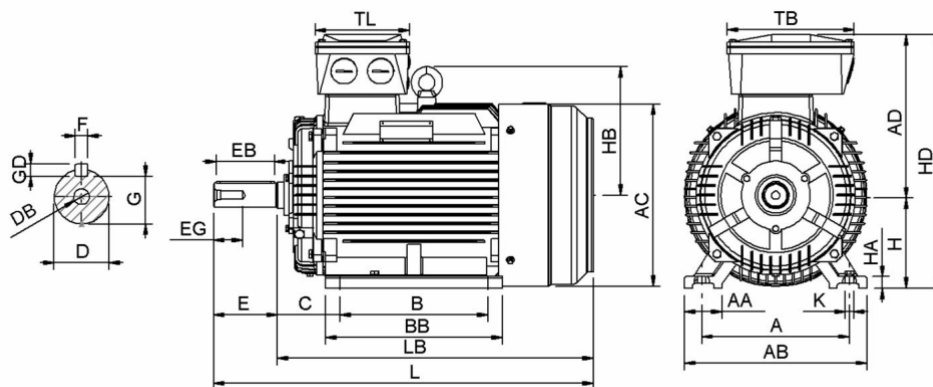
Mechanical data	
Frame / Shaft height	IEC 225
Type of construction	B3
Cooling method	IC411
Protection class	IP55
Temp. insulation class	F
Frame material	Cast iron
Keyway	Closed
Balancing	Half key
IEC vibration class	A
Weight (kg)	308
Bearing (DE)	6313 / C3 / DGBB
Bearing (NDE)	6312 / C3 / DGBB
Fixed bearing	DE
Moment of inertia (kg×m ²)	0.612
Painting (color)	RAL 9005
Corrosion protection	C3L
Main terminal box pos.	DE top
Main cable entries	Blind cap 2xM50x1.5
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)	37				
Frequency (Hz)	60				
Connection	D/Y				
Voltage (V)	690 /				
Full load current (A)	37.5 /				
No load current (A)					
Speed (rpm)	1779				
Power factor 100/75/50 (%)	0.87 / /				
Efficiency 100/75/50 (%)	94.5 / 94.6 / 92.6				
Efficiency class	IE3				
Full load torque (Nm)	199				
Tst/Tn	2.54				
Tmax/Tn	2.76				
Ist/In	6.56				
Temp. rise class	B				
Duty					
Sound pressure level (dBA)	78.6				
Min. ambient temp. (°C)	-20°C				
Max. ambient temp. (°C)	45°C				

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A 356.00	AA 75.00	AB 431.00	AC 444.40	AD 336.00	B 286.00	BB 368.00	C 149.00	D 60.00	DB 20.00	E 140.00	EB 130.00	EG 56.00	F 18.00	G 53.00	GD 11.00
H 225.00	HA 28.00	HB 285.00	HD 561.00	K 18.50	L 822.50	LB 682.50	TB 260.00	TL 192.00							