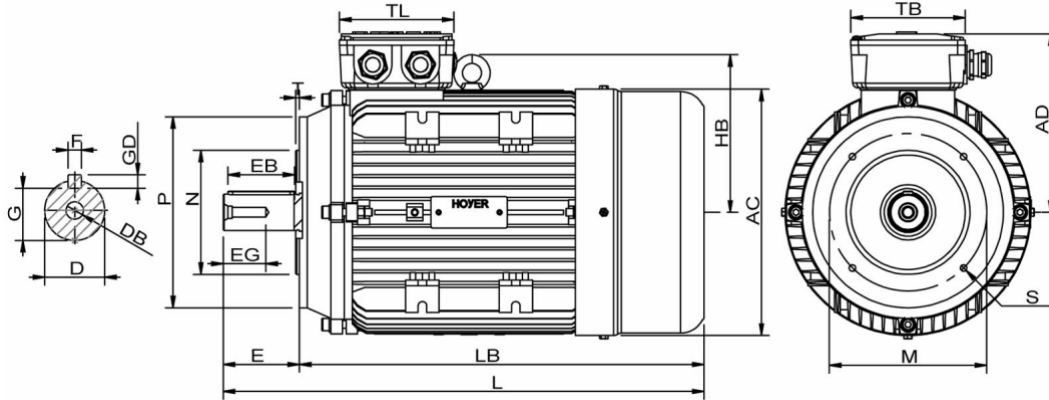


Data sheet

Item no. / Configuration 01 / 2104080-0.75-030101-S-A00482
 Description HMA2 80 2-4 230/400 V 50 Hz 0,75 kW
 Classing society
 Headline 1
 Date 29-06-2023

Sales order SODK-147954
 Ref. no. tilbud
 Line no.
 Our reference Frank Friis Andersen
 Page 1 of 2



AC 159,00	AD 126,00	D 19,00	DB 6,00	E 40,00	EB 32,00	EG 16,00	F 6,00	G 15,50	GD 6,00	L 295,00	LB 255,00	M 100,00	N 80,00	P 120,00	S 6,00	T 3,00	TB 100,00	TL 100,00
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Main			
Frame size	80	Net weight (kg)	11.59
Efficiency class	IE2	Tropical insulation	Yes
Efficiency frequency	50	Ingress protection class	IP55
Poles	4	Winding variant	230 VD / 400 VY 50 Hz + 280 VD / 480 VY 60 Hz
Mounting	B14	Thermal insulation class / rise	F / B
Cooling method	IC411	Electrical insulation system	Standard (1350 V @ 0.8 μs)
Frame material	Aluminum	Color	RAL 9005
Rain cap	No	Keyway	Closed
Explosion protection	No	Key balancing	Half key

Electrical data						
Rated power (kW)	0.73	0.75	0.87			
Frequency (Hz)	50	50	60			
Voltage - VD / VY	220 / 380	230 / 400	/ 440			
Full load current - VD / VY (A)	3.48 / 2.01	3.19 / 1.84	0 / 1.96			
Speed (100%)	1430	1430	1716			
Power factor (100%)	0.75	0.73	0.73			
Efficiency 50% / 75% / 100%	80 / 81.5 / 80.3	80 / 81.5 / 80.3	80 / 81.5 / 80.3			
Efficiency	IE2	IE2	IE1			
Ist/In	5.41	6.11	6.29			
Full load torque (Nm)	4.86	5.01	4.86			
Tst/Tn	2.71	2.95	2.95			
Tmax/Tn	2.66	2.9	2.89			
Duty	S1	S1	S1			
Ambient temp. (°C)	45	40	45			
Rotor inertia (kgm ²)	0	0	0			
Sound pressure level (dB(A))	56	56	61			
Winding resist. (ohm)	6.6921	6.6921	6.6921			
Temp. rise winding (K)	57.936	54.4	61.472			
Temp. rise surface (K)	55.9125	52.5	59.325			
Starting time (sec.)						
No load current (A)	1.35296690	1.16	1.50599549			

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Bearings		Thermal protection	
Bearing (DE)	6204 / Closed (2Z) / C3	Thermal protection main	PTC 3 x 155°C
Bearing (NDE)	6204 / Closed (2Z) / C3	Thermal protection secondary	None
Fixed bearing	DE	Anti-condensation heater	None
Bearing type (DE)	DGBB	Temperature detector (PT100)	No (Bearings)
Bearing type (NDE)	DGBB	Temperature detector (PT100)	No (Windings)
Bearing brand (DE)	C&U	Terminal box information	
Bearing brand (NDE)	C&U	Cable entry (main)	1x M20x1.5 / Ø6-12 mm / Cable gland / Nickel plated brass
Grease (DE)	-50°C to +150°C	Cable entry (accessory)	1x M20x1.5 / N/A / Blind cap / Nickel plated brass
Grease (NDE)	-50°C to +150°C	Terminal box position (main)	DE top
Grease nipple type (DE)	N/A	Cable entry direction (main)	Right from DE
Grease nipple type (NDE)	N/A	Cable entry direction (accessory)	Right from DE
Bearing preload	Wave spring NDE	Terminal box type (main)	Standard
Bearing seat roughness	Standard (1.6 - 3.2 µm)	Terminal box type (auxiliary)	No
		Terminal box gasket material (main)	EPDM

Miscellaneous / Special			
Standard series	IEC 60034	Phase / voltage range	LVSSTPIM
Direction of rotation	CW	Amb. temperature min/max	-20°C / +40°C
IEC vibration class	A	Altitude above s.l. max. (m)	1000
Drain hole	Yes	Industrial certification	None
Shaft	IEC standard	External earth screw	Yes
Painting system	C3L	Fan material	Plastic (flame retardant)
Color	RAL 9005	Prepared for SPM adapter	No
Gloss	1 - 10 (matt)	SPM adapter type	N/A
Terminal board thread	M4	DE shield/flange material	Aluminum
Nameplate	Multi voltage	NDE shield material	Aluminum
Materials approval	None	Oil seal ring type (DE)	Type A (DIN 3760)
External fasteners material	8.8	Oil seal ring material (DE)	NBR
Special packaging	No	Oil seal ring type (NDE)	Type A (DIN 3760)
Special electrical design	No	Oil seal ring material (NDE)	NBR
Special mechanical design (shaft)	No	Special mechanical design (other)	No
Special mechanical design (housing)	No	Special mechanical design (other2)	No
Special mechanical design (flange)	No	Special mechanical design (other3)	No
Special mechanical design (feet)	No		

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.