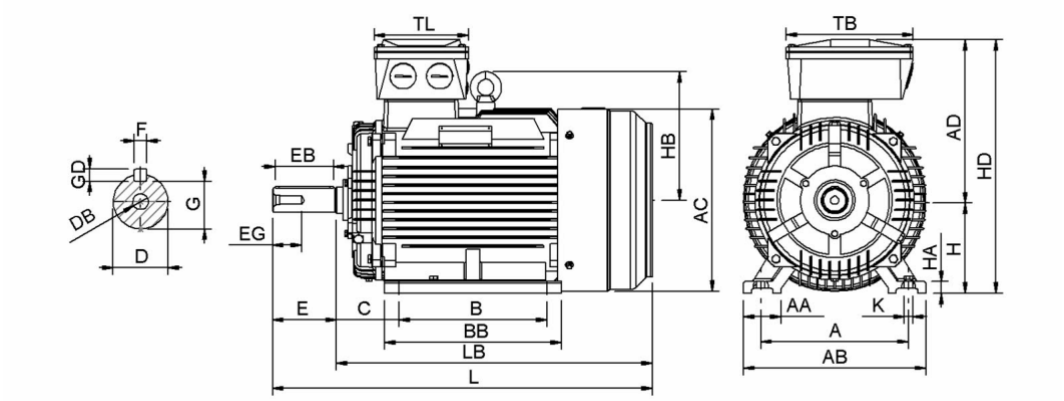
Data sheet

Item no. / Configuration	01 / 4102315-0200-010201-M-031938	**Sales order**	SODK-183690
Description	HMC4 315L2-2 400/690 V 50 Hz 200 kW	**Ref. no.**	1411497
Classing society		**Line no.**	
Headline 1		**Our reference**	Thobias Carøe Schacht
Date	10-07-2024	**Page**	1 of 2



A 508,00	**AA** 120,00	**AB** 628,00	**AC** 618,00	**AD** 546,00	**B** 508,00	**BB** 680,00	**C** 216,00	**D** 65,00	**E** 140,00	**EB** 130,00	**EG** 56,00	**F** 18,00	**G** 58,00	**GD** 11,00	**H** 315,00
HA 45,00	**HB** 432,00	**HD** 861,00	**K** 28,00	**L** 1.303,00	**LB** 1.163,00	**P** 0,00	**S** 0,00	**TB** 420,00	**TL** 299,00						

Main			
Frame size	315	**Net weight (kg)**	1133
Efficiency class	IE4	**Tropical insulation**	No
Efficiency frequency	50	**Ingress protection class**	IP55
Poles	2	**Winding variant**	400 VD / 690 VY 50 Hz + 480 VD / 830 VY 60 Hz
Mounting	B3	**Thermal insulation class / rise**	F / B
Cooling method	IC411	**Electrical insulation**	Standard (1350 V @ 0.8 µs)
Frame material	Cast iron	**Color**	RAL 9005
Rain cap	No	**Keyway**	Closed
Explosion protection	No	**Key balancing**	Half key

Electrical data						
Rated power (kW)	200	240				
Frequency (Hz)	50	60				
Voltage - VD / VY	400 / 690	480 / 830				
Full load current - VD / VY (A)	336 / 195	328 / 189				
Speed (rpm)	2975	3586				
Power factor (100%)	0.89	0.91				
Efficiency 50% / 75% / 100%	96.39 / 96.75 / 96.5	95.85 / 96.31 / 96.33				
Efficiency	IE4	IE3				
Ist/In	9	8.78				
Full load torque (Nm)	640	639				
Tst/Tn	2.42	2.74				
Tmax/Tn	2.86	2.84				
Duty	S1	S1				
Ambient temp. (°C)	40	40				
Rotor inertia (kgm²)	2.308	2.308				
Sound pressure level (dBA)	76	81				
Winding resist. (ohm)	0.01	0.01				
Temp. rise winding (K)	68.9	67.1				
Temp. rise surface (K)	14.3	14				
Starting time (sec.)						
No load current (A)	74.1	68				

HOYER

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Bearings		**Thermal protection**	
Bearing (DE)	6317 / Open / C3	**Thermal protection main**	PTC 3 x 155°C
Bearing (NDE)	6317 / Open / 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)	SKF, NSK, FAG, NTN, Timken	**Terminal box information**	
Bearing brand (NDE)	SKF, NSK, FAG, NTN, Timken	**Cable entry (main)**	2x M63x1.5 / N/A / Blind cap / Plastic
Grease (DE)	-30°C to +150°C	**Cable entry (accessory)**	2x M20x1.5 / N/A / Blind cap / Plastic
Grease (NDE)	-30°C to +150°C	**Terminal box position (main)**	DE top
Grease nipple type (DE)	DIN 71412 H1 M10x1 (brass)	**Cable entry direction (main)**	Right from DE
Grease nipple type (NDE)	DIN 71412 H1 M10x1 (brass)	**Cable entry direction (accessory)**	NDE
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**	CE, UKCA
Shaft	IEC standard	**External earth screw**	Yes
Painting system	C3L	**Fan material**	Aluminum
Color	RAL 9005	**Prepared for SPM adapter**	No
Gloss	1 - 10 (matt)	**SPM adapter type**	N/A
Terminal board thread	M16x2.0	**DE shield/flange material**	Cast iron
Nameplate	Multi voltage	**NDE shield material**	Cast iron
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 (flange)	No	**Special mechanical design (other2)**	No
Special mechanical design (feet)	No	**Special mechanical design (other3)**	No