



OMEC NORTH AMERICA INC

ALUMINIUM - GENERAL PURPOSE MOTORS

PRODUCT FEATURES

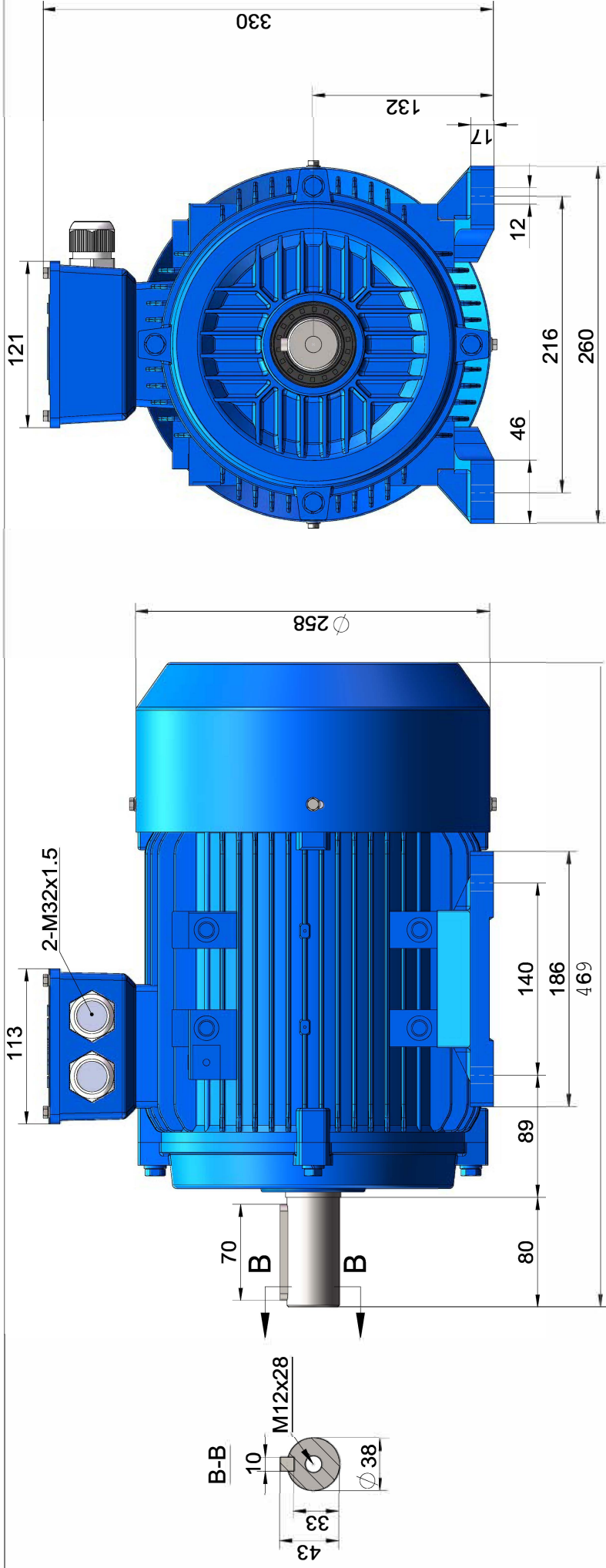
Model Number	OMT4-132S00-2 5.5KW		
Standard	IEC 60034-1	Output	5.50 KW
Hazardous Classification	None (Safe Area)	No of Poles	2 Pole
Efficiency Class	IE3	Frame Size	132S
Number of Phases	3 Phase- Induction	Mounting Type	B3; B35, B14, B5, V1
Material of Construction	Aluminium	Enclosure Type / Cooling	TEFC-IC411
Insulation Class	Class F	Degree of Protection	IP55
Temperature Rise Class	80K (B class)	Duty Cycle	S1- Continuous Duty
Ambient Temperature	-15°C ~ 50°C	Service Factor	SF 1.15
Starting Method	DOL / WYE-DELTA	Operating Altitude	1000 masl

TECHNICAL DETAILS

Winding Connection	Δ (Delta)						
Frequency	50Hz			60Hz			
Rated Speed	2935 Rpm			3520 Rpm			
Voltage	380	400	415	380	400	440	460
Full Load Current [IN]	10.65 A	10.11 A	9.75 A	10.65 A	10.11 A	9.19 A	8.79 A
Locked Rotor Current [IL / IN]	8.3	8.3	8.3	8.3	8.3	8.3	8.3
Full Load Torque [TN]	17.90 Nm	17.90 Nm	17.90 Nm	14.92 Nm	14.92 Nm	14.92 Nm	14.92 Nm
Locked Rotor Torque [TL / TN]	2.0	2.0	2.0	2.4	2.4	2.4	2.4
Breakdown Torque [TB / TN]	2.3	2.3	2.3	2.8	2.8	2.8	2.8
Efficiency	50% load	87.5%	87.5%	87.5%	87.5%	87.5%	87.5%
	75% load	89.1%	89.1%	89.1%	89.1%	89.1%	89.1%
	100% load	89.2%	89.2%	89.2%	89.2%	89.2%	89.2%
Power Factor (cos φ)	50% load	0.73	0.73	0.73	0.73	0.73	0.73
	75% load	0.82	0.82	0.82	0.82	0.82	0.82
	100% load	0.88	0.88	0.88	0.88	0.88	0.88

OTHER DETAILS

Bearing Configuration (DE / NDE)	Ball Bearing / Ball Bearing			
Bearing Lubrication Type	Grease - Mobil Polyrex EM			
Bearing Series Type	DE:	6308-2Z/C3	NDE:	6308-2Z/C3
Vibration	1.6 mm/sec	Direction of Rotation	CW or CCW	
Moment of inertia (kg.m ²)	0.0160	Sound Pressure Level	85 dB(A)	
Final Colour	RAL-7031 : BLUE GREY	Paint Specification	2 Pack Epoxy	
Terminal Box Position	TOP/SIDE	Weight	40 kg	





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Performance Curves

kW: 5.5 RPM: 2935

IE3 GENERAL PURPOSE MOTORS- OMT 400V 50Hz

