



OMEC NORTH AMERICA INC

CAST IRON - GENERAL PURPOSE MOTORS

PRODUCT FEATURES

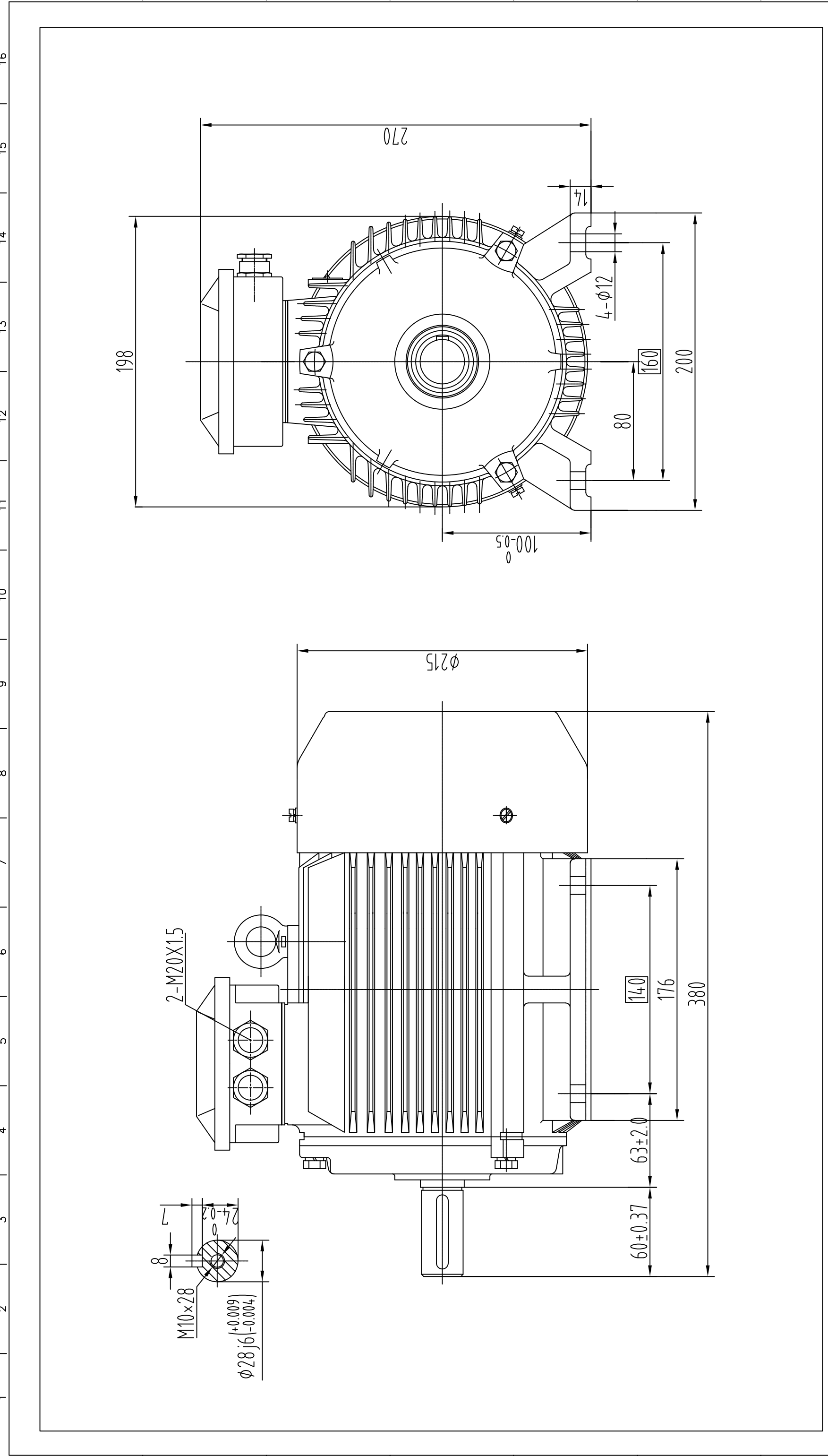
Model Number	OMT3-100L00-4 2.2KW		
Standard	IEC 60034-1	Output	2.20 KW
Hazardous Classification	None (Safe Area)	No of Poles	4 Pole
Efficiency Class	IE3	Frame Size	100L
Number of Phases	3 Phase- Induction	Mounting Type	B3; B35, B14, B5, V1
Material of Construction	Cast Iron	Enclosure Type / Cooling	TEFC-IC411
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	Y (Star)						
Frequency	50Hz			60Hz			
Rated Speed	1440 Rpm			1725 Rpm			
Voltage	380	400	415	380	400	440	460
Full Load Current [IN]	5.01 A	4.76 A	4.58 A	5.01 A	4.76 A	4.32 A	4.14 A
Locked Rotor Current [IL / IN]	7.6	7.6	7.6	7.6	7.6	7.6	7.6
Full Load Torque [TN]	14.59 Nm	14.59 Nm	14.59 Nm	12.18 Nm	12.18 Nm	12.18 Nm	12.18 Nm
Locked Rotor Torque [TL / TN]	2.3	2.3	2.3	2.8	2.8	2.8	2.8
Breakdown Torque [TB / TN]	2.3	2.3	2.3	2.8	2.8	2.8	2.8
Efficiency	50% load	84.4%	84.4%	84.4%	84.4%	84.4%	84.4%
	75% load	86.6%	86.6%	86.6%	86.6%	86.6%	86.6%
	100% load	86.7%	86.7%	86.7%	86.7%	86.7%	86.7%
Power Factor (cos φ)	50% load	0.56	0.56	0.56	0.56	0.56	0.56
	75% load	0.69	0.69	0.69	0.69	0.69	0.69
	100% load	0.77	0.77	0.77	0.77	0.77	0.77

OTHER DETAILS

Bearing Configuration (DE / NDE)	Ball Bearing / Ball Bearing		
Bearing Lubrication Type	Grease - ESSO UNIREX N2		
Bearing Series Type	DE:	6206-2Z/C3	NDE: 6206-2Z/C3
Vibration	1.6 mm/sec	Direction of Rotation	CW or CCW
Moment of inertia (kg.m ²)	0.0098	Sound Pressure Level	70 dB(A)
Final Colour	RAL-5012 : BLUE	Paint Specification	2 Pack Epoxy
Terminal Box Position	TOP/SIDE	Weight	34 kg



<h1 style="text-align: center;">IP55-Cast Iron B3 MOTORS</h1>		Drawing Title: Outline Drawing		Description: OMT3 Type-1	
		Sheet No. 1 OF 1	Dim. Size mm	Scale A3 1:5	Motor Frame: 100L
<h2>OMEC NORTH AMERICA INC.</h2>					
Drawn By A.J.B.	Date 15.Jan.2025	Approved By -----	Rev. 00		

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Performance Curves

kW: 2.2 RPM: 1440

IE3 GENERAL PURPOSE MOTORS- OMT 400V 50Hz

