



OMEC NORTH AMERICA INC

CAST IRON - GENERAL PURPOSE MOTORS

PRODUCT FEATURES

Model Number	OMT3-200L00-2 30KW		
Standard	IEC 60034-1	Output	30.00 KW
Hazardous Classification	None (Safe Area)	No of Poles	2 Pole
Efficiency Class	IE3	Frame Size	200L
Number of Phases	3 Phase- Induction	Mounting Type	B3; B35, 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	Δ (Delta)						
Frequency	50Hz			60Hz			
Rated Speed	2965 Rpm			3555 Rpm			
Voltage	380	400	415	380	400	440	460
Full Load Current [IN]	54.89 A	52.15 A	50.26 A	54.89 A	52.15 A	47.41 A	45.35 A
Locked Rotor Current [IL / IN]	7.6	7.6	7.6	7.6	7.6	7.6	7.6
Full Load Torque [TN]	96.63 Nm	96.63 Nm	96.63 Nm	80.59 Nm	80.59 Nm	80.59 Nm	80.59 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	92.0%	92.0%	92.0%	92.0%	92.0%	92.0%
	75% load	93.2%	93.2%	93.2%	93.2%	93.2%	93.2%
	100% load	93.3%	93.3%	93.3%	93.3%	93.3%	93.3%
Power Factor (cos φ)	50% load	0.78	0.78	0.78	0.78	0.78	0.78
	75% load	0.86	0.86	0.86	0.86	0.86	0.86
	100% load	0.89	0.89	0.89	0.89	0.89	0.89

OTHER DETAILS

Bearing Configuration (DE / NDE)	Ball Bearing / Ball Bearing		
Bearing Lubrication Type	Grease - Mobil Polyrex EM		
Bearing Series Type	DE:	6312/C3	NDE: 6312/C3
Vibration	2.2 mm/sec	Direction of Rotation	CW or CCW
Moment of inertia (kg.m ²)	0.1838	Sound Pressure Level	90 dB(A)
Final Colour	RAL-5012 : BLUE	Paint Specification	2 Pack Epoxy
Terminal Box Position	TOP/SIDE	Weight	260 kg

16N9⁰_(-0.043)

10

M20X56

Ø55m6^(+0.03)_(+0.011)

49⁰_(-0.2)

2-M50X1.5

Ø420

133~~0~~3043

305

369

780

520

200⁰_(-0.5)

70

318

395

4-Ø18.5

		Description: OMT3 Type-1	
		Motor Frame: 200L	
Drawing Title:		Dim.	Scale
Outline Drawing		Size	Scale
Sheet No.	1 OF 1	mm	A3
			1:5
IP55-Cast Iron B3 MOTORS			
OMEC NORTH AMERICA INC.			
A.J.B.	15.Jan.2025	00	
Drawn By	Date	Approved By	Rev.





OMEC NORTH AMERICA INC.

Performance Curves

kW: 30 RPM: 2965

IE3 GENERAL PURPOSE MOTORS- OMT 400V 50Hz

