



OMEC NORTH AMERICA INC

CAST IRON - GENERAL PURPOSE MOTORS

PRODUCT FEATURES

Model Number	OMT3-200L00-4 30KW		
Standard	IEC 60034-1	Output	30.00 KW
Hazardous Classification	None (Safe Area)	No of Poles	4 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	1475 Rpm			1770 Rpm			
Voltage	380	400	415	380	400	440	460
Full Load Current [IN]	56.63 A	53.79 A	51.85 A	56.63 A	53.79 A	48.90 A	46.78 A
Locked Rotor Current [IL / IN]	7.3	7.3	7.3	7.3	7.3	7.3	7.3
Full Load Torque [TN]	194.24 Nm	194.24 Nm	194.24 Nm	161.86 Nm	161.86 Nm	161.86 Nm	161.86 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	92.4%	92.4%	92.4%	92.4%	92.4%	92.4%
	75% load	93.5%	93.5%	93.5%	93.5%	93.5%	93.5%
	100% load	93.6%	93.6%	93.6%	93.6%	93.6%	93.6%
Power Factor (cos φ)	50% load	0.70	0.70	0.70	0.70	0.70	0.70
	75% load	0.81	0.81	0.81	0.81	0.81	0.81
	100% load	0.86	0.86	0.86	0.86	0.86	0.86

OTHER DETAILS

Bearing Configuration (DE / NDE)	Ball Bearing / Ball Bearing		
Bearing Lubrication Type	Grease - ESSO UNIREX N2		
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)	0.3972	Sound Pressure Level	83 dB(A)
Final Colour	RAL-5012 : BLUE	Paint Specification	2 Pack Epoxy
Terminal Box Position	TOP/SIDE	Weight	280 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

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



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Performance Curves

kW: 30 RPM: 1475

IE3 GENERAL PURPOSE MOTORS- OMT 400V 50Hz

