



OMEC NORTH AMERICA INC

UL LISTED VERTICAL HOLLOW SHAFT MOTORS

PRODUCT FEATURES

Model Number	-		
Standard	NEMA MG-1	Output	300HP / 220KW
Hazardous Classification	None (Safe Area)	No of Poles	4P
Efficiency Class	NEMA HIGH (IE2)	Frame Size	447TP
Number of Phases	3 Phase- Induction	Type	VERTICAL HOLLOW SHAFT
Material of Construction	Cast Iron	Enclosure Type / Cooling	WP1 / IC01
Insulation Class	Class F	Degree of Protection	IP23
Temperature Rise Class	80K (B class)	Duty Cycle	S1- Continuous Duty
Ambient Temperature	-15°C ~ 50°C	Service Factor	SF 1.15
Starting Method	PWS or YD	Operating Altitude	1000 masl & <95% RH

TECHNICAL DETAILS

Winding Connection	Δ (Delta)						
KVA Code	CODE H						
Nema Design	DES B						
Frequency	50Hz			60Hz			
Rated Speed	1480 Rpm			1780 Rpm			
Voltage	380	400	415	380	400	440	460
Full Load Current [IN]	408.60 A	388.17 A	374.14 A	408.60 A	388.17 A	352.88 A	337.54 A
Locked Rotor Current [IL / IN]	7.0	7.0	7.0	7.0	7.0	7.0	7.0
I max [Less than or Equal]	2869.73 A	2726.24 A	2627.70 A	2869.73 A	2726.24 A	2478.40 A	2370.64 A
Starting Torque [Tst]	110%	110%	110%	110%	110%	110%	110%
Breakdown Torque [Tmax]	175%	175%	175%	175%	175%	175%	175%
Efficiency	100% load	94.8%	94.8%	94.8%	94.8%	94.8%	94.8%
Power Factor (cos φ)	100% load	0.86	0.86	0.86	0.86	0.86	0.86

OTHER DETAILS

Bearing Configuration (DE / NDE)	Angular Contact Ball Bearing/Guide Ball Bearing		
Bearing Lubrication Type	DE:	ISO-32 Oil	NDE: Grease
Bearing Series Type	DE:	7232B	NDE: 6318
Coupling Size	As per Drawings	Direction of Rotation	CW from DE
Final Colour	RAL 3002- RED	Paint Specification	2 Pack Epoxy
Downthrust	9800 LBS	Mounting Option	P-BASE



VERTICAL HOLLOW SHAFT MOTORS WEATHER PROTECTED TYPE 1

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300HP(447TP)

Model No.	Frame	Mounting Dimensions(inch)												Overall Dimensions(inch)			Bearings			Weight (L/B)
		BD	AJ	AK	BV	AF	BF	BX	BZ	EW	BY	CD	EO>	P	AB	AC	AG	Drive End	Opposite DriveEnd	
300HP	447TP	16.5	14.75	13.5	29.56	4.88	0.69	1.69	2.5	0.375	1/4—20	49.75	5.39	23.35	17.78	13.53	55.13	7232 B	6318	2756

Model No.	Frame	Mounting Dimensions(inch)							
		BX				BD			
300HP	447TP			1.938				20	

