



OMEC NORTH AMERICA INC

UL LISTED VERTICAL HOLLOW SHAFT MOTORS

PRODUCT FEATURES

Model Number	-		
Standard	NEMA MG-1	Output	30HP / 22KW
Hazardous Classification	None (Safe Area)	No of Poles	4P
Efficiency Class	NEMA HIGH (IE2)	Frame Size	286TP
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	1475 Rpm			1775 Rpm			
Voltage	380	400	415	380	400	440	460
Full Load Current [IN]	44.60 A	42.37 A	40.90 A	44.60 A	42.37 A	38.52 A	36.84 A
Locked Rotor Current [IL / IN]	5.9	5.9	5.8	5.9	5.9	5.9	5.9
I max [Less than or Equal]	261.00 A	247.95 A	238.99 A	261.00 A	247.95 A	225.41 A	215.61 A
Starting Torque [Tst]	160%	160%	160%	160%	160%	160%	160%
Breakdown Torque [Tmax]	200%	200%	200%	200%	200%	200%	200%
Efficiency	100% load	91.3%	91.3%	91.3%	91.3%	91.3%	91.3%
Power Factor (cos φ)	100% load	0.82	0.82	0.82	0.82	0.82	0.82

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:	7312B	NDE: 6212/C3
Coupling Size	As per Drawings	Direction of Rotation	CW from DE
Final Colour	RAL 3002- RED	Paint Specification	2 Pack Epoxy
Downthrust	3300 LBS	Mounting Option	P-BASE



VERTICAL HOLLOW SHAFT MOTORS WEATHER PROTECTED TYPE 1

OMEC NORTH AMERICA INC

30HP(286TP)

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	
30HP	286TP	16.5	14.75	13.5	12.09	4	0.69	1	1.374	0.25	10—32	24.75	3.22	15.2	11.1	10.2	29.5	6212	7312B	573

Model No.	Frame	Mounting Dimensions(inch)							
		BX				BD			
30HP	286TP	1						10	12 16.5

