

MT4-B5-112-0550-05

HND3HS41053-R4

MOTOR DATA SHEET

SR NO.	DESCRIPTION	UNIT				
1	Make					
2	Type of motor		AC 3 PH. Sq. Cage Induction Motor			
3	Efficiency Class		High Efficiency			
4	Frame size		112M			
5	Ambient	°C	40			
6	Nominal output	kW/HP	5.5/7.5			
7	Duty		S4 10%			
8	Pole		4			
9	Insulation Class		F			
10	Temperature Rise		Limited to Class B			
11	Mounting arrangement		B5			
12	T.B. Position (Viewed from DE side)		TOP			
13	Winding Treatment		VPI			
14	Voltage	Volts ± 10%	230	400	260	440
15	Rated Frequency	Hz ± 5%	50	50	60	60
16	Rated Speed (RPM)		1440	1440	1740	1740
17	Type of connection		Δ	Y	Δ	Y
18	Full load current	Amps.	21.2	12.2	18.9	11.2
19	Allowable combined variation		± 10%			
20	Efficiency at rated Voltage at 100% load	%	81			
21	Power factor at rated Voltage		0.80			
22	Starting torque at rated Voltage	%	190			
23	Pull-out torque at rated Voltage	Nm	84			
24	Starting current at rated Voltage	%	700			
25	Full Load Torque at 50Hz / 60Hz	Nm	36.47 / 30.18			
26	Construction / Method of cooling		TEFC / IC411			
27	Degree of protection of enclosure		IP 55			
28	Paint Shade		Powder Coat-PP Metallic Sparkle Silver PNS 0301			
29	Type of bearing DE/NDE		6206 2Z C3 / 6206 2Z C3			
30	Grease Type		Lithium Base, Grade-3			
31	Cable Entry		M25X1.5 (PVC Cable Gland) Cable Size - 9 TO 17 mm M20X1.5 (PVC Cable Gland) Cable Size - 5 TO 10 mm			
32	Motor GD ²	kgm ²	0.0608			
33	Apporx Net Weight	kg	32			
34	Thermal Overload Protection (TOP)	°C	155			
35	Noise Limit		IS 12065 / IEC 60034-9			
36	Mechanical Vibration		IS 12075 / IEC 60034-14			
37	Applicable standard		IS 12615 / IEC 60034-1			

Note:- All Performance figures are subject to tolerance as per IS 12615/IEC 60034.