



HSD2ES201X5

Rev - 02

Date - 28.02.2024

MOTOR DATA SHEET

SR NO.	DESCRIPTION	UNIT	
1	Make		Havells India Ltd.
2	Type of motor		AC 3 PH. Sq. Cage Induction Motor
3	Efficiency Class		IE2
4	Frame size		MHEE90SAA2
5	Ambient	Deg C	50
6	Nominal output	kW/HP	1.5/2.0
7	Duty		S1
8	Pole / Rated Speed (RPM)		2/2850
9	Insulation Class		F
10	Temperature Rise		Limited to Class B
11	Mounting arrangement		B3
12	T.B. Position (Viewed from DE side)		TOP
13	Voltage	Volts	415 \pm 10%
14	Rated Frequency	Hz	50 \pm 5%
15	Allowable combined variation		\pm 10%
16	Type of connection		STAR(Y)
17	Full load current	Amps.	3
18	Efficiency at rated Voltage at 100% load	%	81.3
19	Efficiency at rated Voltage at 75% load	%	81.3
20	Efficiency at rated Voltage at 50% load	%	80.1
21	Power factor at rated Voltage		0.85
22	Starting torque at rated Voltage	%	230
23	Pull-out torque at rated Voltage	%	250
24	Starting current at rated Voltage	%	650
25	Construction / Method of cooling		TEFC / IC411
26	Degree of protection of enclosure		IP 55
27	Paint Shade		Smoke Grey
28	Type of bearing DE/NDE		6205 2Z/6204 2Z
29	Grease Type		Lithium Base, Grade-3
30	Cable Entry		1xM25x1.5+1xM20x1.5
31	Motor GD ²	kgm ²	0.0102
32	Approx Net weight	kg	21
33	Applicable standard		IS 12615

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