



HSD2KS20011

Rev - 01

Date - 19.08.2021

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		MHEE160MYA2
5	Ambient	Deg C	50
6	Nominal output	kW/HP	11/15
7	Duty		S1
8	Pole / Rated Speed (RPM)		2/2920
9	Insulation Class		F
10	Temperature Rise		Limited to Class B
11	Mounting arrangement		B3
12	T.B. Position (Viewed from DE side)		TOP
14	Voltage	Volts	415 \pm 10%
15	Rated Frequency	Hz	50 \pm 5%
16	Allowable combined variation		\pm 10%
17	Type of connection		Delta(Δ)
18	Full load current	Amps.	19.5
19	Efficiency at rated Voltage at 100% load	%	89.4
20	Efficiency at rated Voltage at 75% load	%	89.4
21	Efficiency at rated Voltage at 50% load	%	88.5
22	Power factor at rated Voltage		0.88
23	Starting torque at rated Voltage	%	230
24	Pull-out torque at rated Voltage	%	260
25	Starting current at rated Voltage	%	700
26	Construction / Method of cooling		TEFC / IC411
27	Degree of protection of enclosure		IP 55
28	Paint Shade		Smoke Grey
29	Type of bearing DE/NDE		6309 2Z/6209 2Z
30	Grease Type		Lithium Base, Grade-3
31	Cable Entry		2xM40x1.5
32	Motor GD ²	kgm ²	0.226
33	Net weight	kg	113
34	Applicable standard		IS 12615

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