



HSD2KS209X3-R

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	9.3/12.5
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
13	Voltage	Volts	415 \pm 10%
14	Rated Frequency	Hz	50 \pm 5%
15	Allowable combined variation		\pm 10%
16	Type of connection		Delta(Δ)
17	Full load current	Amps.	16.7
18	Efficiency at rated Voltage at 100% load	%	89.2
19	Efficiency at rated Voltage at 75% load	%	89.2
20	Efficiency at rated Voltage at 50% load	%	88.3
21	Power factor at rated Voltage		0.87
22	Starting torque at rated Voltage	%	230
23	Pull-out torque at rated Voltage	%	260
24	Starting current at rated Voltage	%	700
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		6309 2Z/6209 2Z
29	Grease Type		Lithium Base, Grade-3
30	Cable Entry		2xM40x1.5
31	Motor GD ²	kgm ²	0.226
32	Approx Net Weight	kg	125
33	Applicable standard		IS 12615

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