

Date - 19.08.2021

HSD2LS218X5

Rev - 01

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		MHEE160LZA2
5	Ambient	Deg C	50
6	Nominal output	kW/HP	18.5/25
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± 10%
14	Rated Frequency	Hz	50 ± 5%
15	Allowable combined variation		± 10%
16	Type of connection		Delta(Δ)
17	Full load current	Amps.	31.8
18	Efficiency at rated Voltage at 100% load	%	90.9
19	Efficiency at rated Voltage at 75% load	%	90.9
20	Efficiency at rated Voltage at 50% load	%	90
21	Power factor at rated Voltage		0.89
22	Starting torque at rated Voltage	%	225
23	Pull-out torque at rated Voltage	%	245
24	Starting current at rated Voltage	%	750
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	0.284
32	Net weight	kg	137
33	Applicable standard		IS 12615

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