

Date - 01.03.2024

**HSD2DS20X75**

Rev - 02

## **MOTOR DATA SHEET**

| <b>SR NO.</b> | <b>DESCRIPTION</b>                       | <b>UNIT</b>      |                                   |
|---------------|--|------------------|-----------------------------------|
| 1             | Make                                     |                  | Havells India Ltd.                |
| 2             | Type of motor                            |                  | AC 3 PH. Sq. Cage Induction Motor |
| 3             | Efficiency Class                         |                  | IE2                               |
| 4             | Frame size                               |                  | MHEE80ZAA2                        |
| 5             | Ambient                                  | Deg C            | 50                                |
| 6             | Nominal output                           | kW/HP            | 0.75/1.0                          |
| 7             | Duty                                     |                  | S1                                |
| 8             | Pole / Rated Speed (RPM)                 |                  | 2/2830                            |
| 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                       |                  | Star (Y)                          |
| 17            | Full load current                        | Amps.            | 1.7                               |
| 18            | Efficiency at rated Voltage at 100% load | %                | 77.4                              |
| 19            | Efficiency at rated Voltage at 75% load  | %                | 77.4                              |
| 20            | Efficiency at rated Voltage at 50% load  | %                | 74.50                             |
| 21            | Power factor at rated Voltage            |                  | 0.80                              |
| 22            | Starting torque at rated Voltage         | %                | 240                               |
| 23            | Pull-out torque at rated Voltage         | %                | 270                               |
| 24            | Starting current at rated Voltage        | %                | 600                               |
| 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                   |                  | 6204 2Z/6203 2Z                   |
| 29            | Grease Type                              |                  | Lithium Base, Grade-3             |
| 30            | Cable Entry                              |                  | 1xM20x1.5+1xM25x1.5               |
| 31            | Motor GD <sup>2</sup>                    | kgm <sup>2</sup> | 0.00356                           |
| 32            | Approx Net weight                        | kg               | 15                                |
| 33            | Applicable standard                      |                  | IS 12615                          |

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