

| Date - 19.08.2021              |  | HSD2KS20011<br>Rev - 01 |                                   |
|--------------------------------|--|-------------------------|-----------------------------------|
| <b><u>MOTOR DATA SHEET</u></b> |  |                         |                                   |
| 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± 10%                          |
| 15                             | Rated Frequency                          | Hz                      | 50 ± 5%                           |
| 16                             | Allowable combined variation             |                         | ± 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 <sup>2</sup>                    | kgm <sup>2</sup>        | 0.226                             |
| 33                             | Net weight                               | kg                      | 113                               |
| 34                             | Applicable standard                      |                         | IS 12615                          |

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