

| | | | | | |
|----------------------------------|-----------|----------|---|--------------------------------------|----------|
| No. of Phases | | 3 | Noise Standard | | IS:12065 |
| Frame Designation | | 90L | Duty | | S1 |
| Rated Output | kW | 2.2 | Insulation Class | | F |
| | HP | 3.0 | Cooling IS:6362 | | IC411 |
| No. of Poles | | 2 | Terminal Box Details | Type | HM2GN |
| Rated Voltage | | V 415 | | Terminal Size | M4 |
| Rated Frequency | | Hz 50 | | No. of Terminal | 6 |
| Rated Current | | A 4.5 | | Max. cable size (Cu) mm ² | 1x3Cx4.0 |
| Rated Speed | | rpm 2870 | Bearing Data | DE | 6205ZZ |
| Rated Torque | | kgm 0.75 | | NDE | 6205ZZ |
| Efficiency | Full load | % 83.2 | Lubrication | Prelubricated | |
| | 3/4 load | % 83.2 | | Life L10 (Direct coupled) hrs. | 50,000 |
| | 1/2 load | % 80.0 | | Regreasing Time hrs. | - |
| Power factor | Full load | 0.82 | | Lifting Eyebolt IS:4190 | |
| | 3/4 load | 0.78 | Motor Weight (approx) kg | 26.0 | |
| | 1/2 load | 0.74 | Rotor GD ² kgm ² | 0.0093 | |
| Max. Temp. Rise (Res.) °C | | 70 | Ambient Temp. °C | | 50 |
| Acceleration Time sec. | | - | Overall Dimensions of Packed motor (LxBxH) (mm) | | |
| Stator Connection | | D | | | |
| Tropicalised? (Yes / No) | | Yes | Voltage Variation ± % | | 10 |
| I _{st} / I _r | | 7.0 | Frequency Variation ± % | | 5 |
| T _{st} / T _r | | 2.4 | Combiend Variation ± % | | 10 |
| T _{po} / T _r | | 2.8 | Brake | Size | 10 |
| Locked rotor withstand time | Hot sec. | 5 | | Torque Nm | 16 |
| | Cold sec. | 11 | | Safety Factor | 2.18 |
| Reference Standard | | IS:12615 | | Release time ms | 90 |
| Protection IS:4691 | | IP 54 | | Volts (DC) V | 190 |
| Vibration Standard | | IS:12075 | Data subject to tolerance as per IS: 12615 | | |

Remarks: (1) Efficiency Class : IE2
(2) Motor Construction : TEFC

Prep.: SK

Chkd.: SPJ

Date: 07/05/2020

Date: 07/05/2020