

|                                |           |           |   |                           |                             |
|--------------------------------|-----------|-----------|---|---------------------------|-----------------------------|
| No. of Phases                  |           | 3         | Reference                                       | Performance               | IS:325                      |
| Frame Designation              |           | 90 FLP    | Standard  | Enclosure                 | IS:60079-1                  |
| Rated Output                   | kW        | 2.20      | Protection IS:4691                              |                           | IP 55                       |
|                                | HP        | 3.00      | Vibration Standard                              |                           | IS:12075                    |
| No. of Poles                   |           | 2         | Noise Standard                                  |                           | IS:12065                    |
| Rated Voltage                  | V         | 415       | Duty  |                           | S1                          |
| Rated Frequency                | Hz        | 50        | Insulation Class                                |                           | F                           |
| Rated Current                  | A         | 4.3       | Cooling IS:6362                                 |                           | IC411                       |
| Rated Speed                    | rpm       | 2880      | Terminal<br>Box<br>Details                      | Terminal Size             | M4                          |
| Rated Torque                   | kgm       | 0.74      |   | No. of Terminal           | 6                           |
| Efficiency                     | Full load | 81.0      |   | Max. cable size           | mm <sup>2</sup><br>1x3Cx4.0 |
|                                | 3/4 load  | 78.5      | DE  | 6205ZZ                    |                             |
|                                | 1/2 load  | 72.5      | NDE   | 6205ZZ                    |                             |
| Power factor                   | Full load | 0.88      | Bearing<br>Data                                 | Lubrication               | Prelubricated               |
|                                | 3/4 load  | 0.80      |   | Life L10 (Direct coupled) | hrs.<br>50,000              |
|                                | 1/2 load  | 0.70      |   | Regreasing Time           | hrs.<br>-                   |
| Temp. Rise (Res.)              | °C        | 70        | Lifting Eyebolt IS:4190                         |                           | -                           |
| Acceleration Time              | sec.      | -         | Motor Weight (approx)                           | kg                        | 41                          |
| Stator Connection              |           | D         | Rotor GD <sup>2</sup>                           | kgm <sup>2</sup>          | 0.0093                      |
| Tropicalised? (Yes/No)         |           | Yes       | Ambient Temp.                                   | °C                        | 50                          |
| $I_{st} / I_r$                 | %         | 6.0       | Overall Dimensions of Packed motor (LxBxH) (mm) |                           |                             |
| $T_{st} / T_r$                 | %         | 2.5       |   |                           |                             |
| $T_{po} / T_r$                 | %         | 3.0       | Voltage Variation ±                             | %                         | 10                          |
| Locked rotor<br>withstand time | Hot       | sec<br>4  | Frequency Variation ±                           | %                         | 5                           |
|                                | Cold      | sec<br>10 | Combiend Variation ±                            | %                         | 10                          |

Remarks: (1) Efficiency class : EFF2  
(2) Motor construction: TEFC

Data subject to tolerance as per IS:12615.

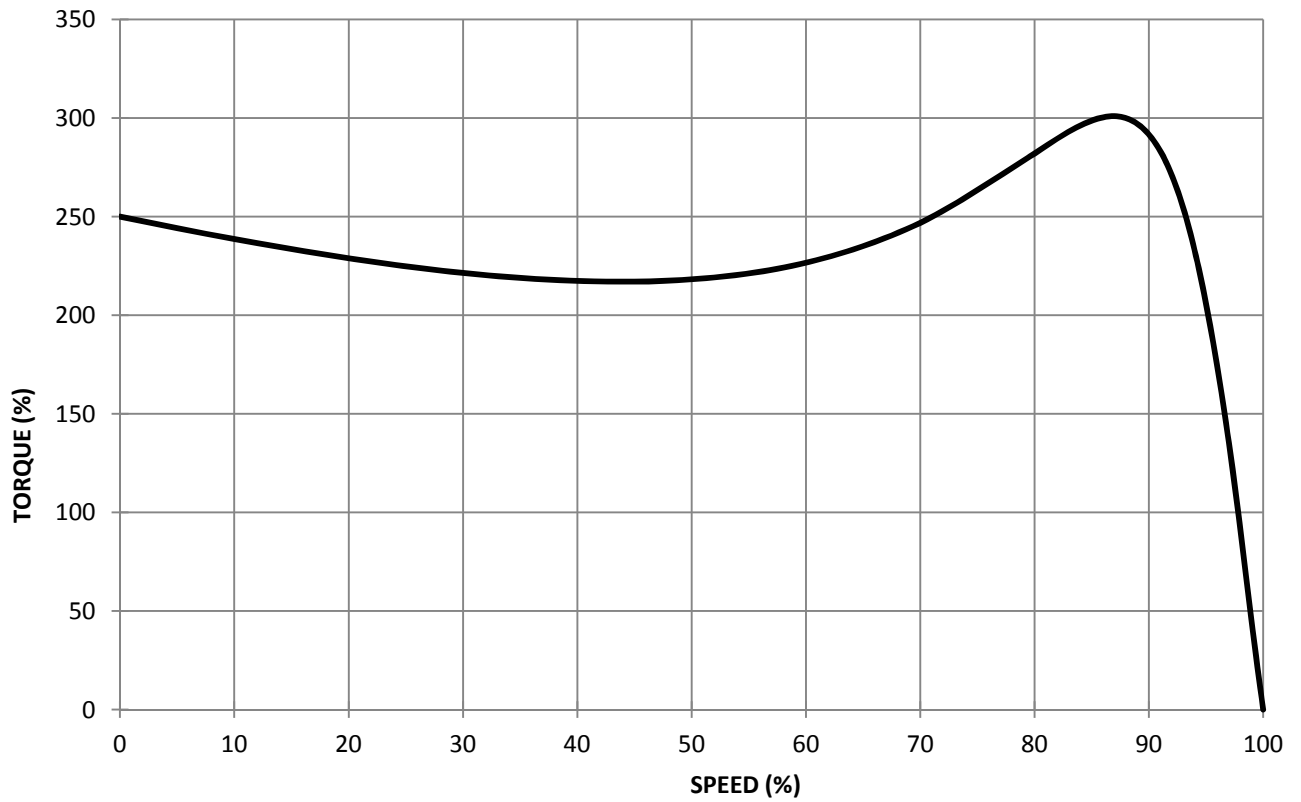
Prep.: ENGG

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Date:

### TORQUE SPEED CURVE



### LOAD-EFFICIENCY-POWER FACTOR CURVE

