

|                                  |           |        |   |                       |                           |                          |
|----------------------------------|-----------|--------|---|-----------------------|---------------------------|--------------------------|
| No. of Phases                    |           | 3      | Reference                                       | Performance           | IS:12615                  |                          |
| Frame Designation                |           | 80 FLP | Standard  | Enclosure             | IS:60079-1                |                          |
| Rated Output                     | kW        | 0.75   | Protection IS:4691                              |                       | IP 55                     |                          |
|                                  | HP        | 1.00   | Vibration Standard                              |                       | IS:12075                  |                          |
| No. of Poles                     |           | 4      | Noise Standard                                  |                       | IS:12065                  |                          |
| Rated Voltage                    | V         | 415    | Duty  |                       | S1                        |                          |
| Rated Frequency                  | Hz        | 50     | Insulation Class                                |                       | F                         |                          |
| Rated Current                    | A         | 1.7    | Cooling IS:6362                                 |                       | IC411                     |                          |
| Rated Speed                      | rpm       | 1415   | Terminal<br>Box<br>Details                      | Terminal Size         | M4                        |                          |
| Rated Torque                     | kgm       | 0.52   |   | No. of Terminal       | 6                         |                          |
| Efficiency                       | Full load | %      |   | 79.6                  | Max. cable size           | mm <sup>2</sup> 1x3Cx4.0 |
|                                  | 3/4 load  | %      | 79.6  | DE                    | 6204ZZ                    |                          |
|                                  | 1/2 load  | %      | 75.0  | NDE                   | 6204ZZ                    |                          |
| Power factor                     | Full load |        | 0.77  | Bearing<br>Data       | Lubrication               | Prelubricated            |
|                                  | 3/4 load  |        | 0.70  |                       | Life L10 (Direct coupled) | hrs. 50,000              |
|                                  | 1/2 load  |        | 0.63  |                       | Regreasing Time           | hrs. -                   |
| Temp. Rise (Res.)                | °C        | 70     | Lifting Eyebolt IS:4190                         |                       | -                         |                          |
| Acceleration Time                | sec.      | -      | Motor Weight (approx)                           | kg                    | 30                        |                          |
| Stator Connection                |           | Y      | Rotor GD <sup>2</sup>                           | kgm <sup>2</sup>      | 0.0062                    |                          |
| Tropicalised? (Yes/No)           |           | Yes    | Ambient Temp.                                   | °C                    | 50                        |                          |
| I <sub>st</sub> / I <sub>r</sub> | %         | 6.0    | Overall Dimensions of Packed motor (LxBxH) (mm) |                       |                           |                          |
| T <sub>st</sub> / T <sub>r</sub> | %         | 2.5    |   |                       |                           |                          |
| T <sub>po</sub> / T <sub>r</sub> | %         | 3.0    | Voltage Variation ±                             | %                     | 10                        |                          |
| Locked rotor withstand time      | Hot       | sec    | 10  | Frequency Variation ± | % 5                       |                          |
|                                  | Cold      | sec    | 22  | Combiend Variation ±  | % 10                      |                          |

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

Data subject to tolerance as per IS:12615.

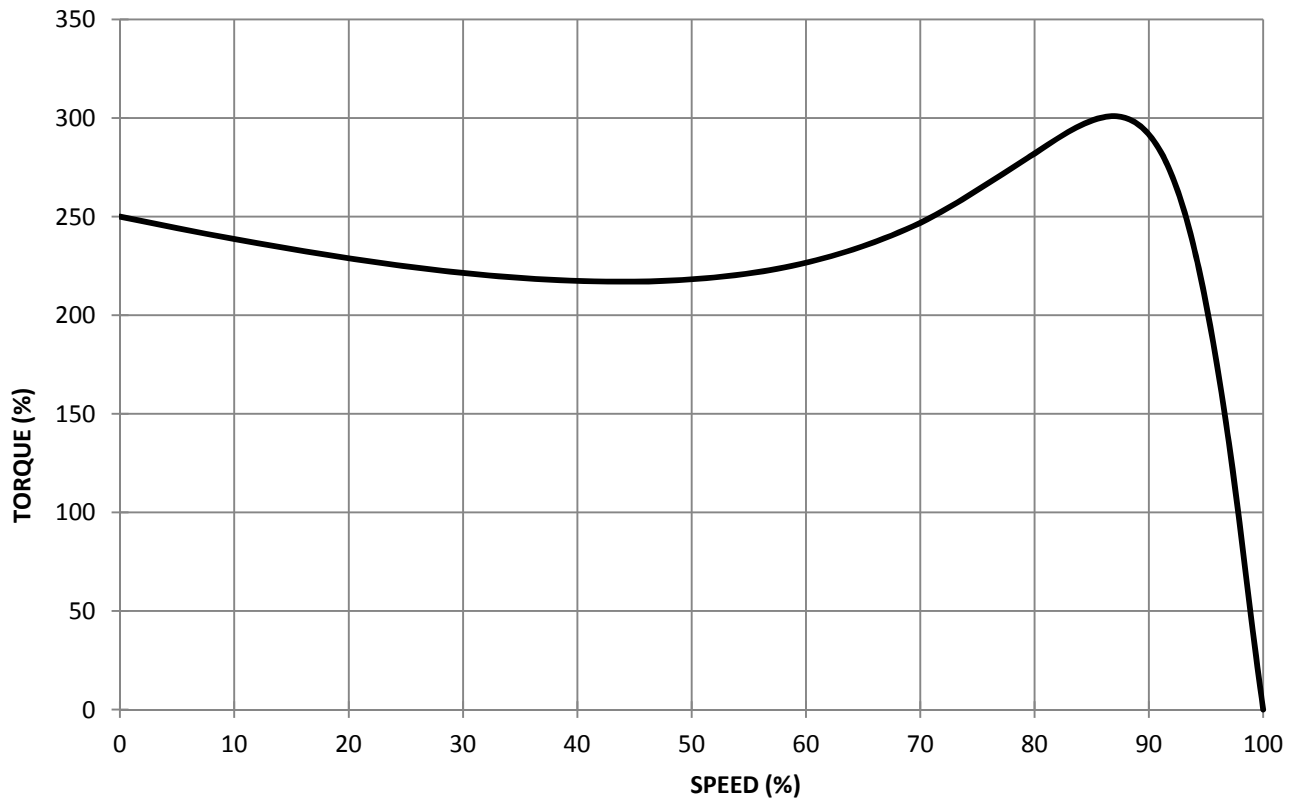
Prep.: Engg

Chkd.:

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### TORQUE SPEED CURVE



### LOAD-EFFICIENCY-POWER FACTOR CURVE

