

|                                  |           |      |                    |   |                      |                          |
|----------------------------------|-----------|------|--------------------|---|----------------------|--------------------------|
| No. of Phases                    |           | 3    | Reference Standard |   | IS:12615             |                          |
| Frame Designation                |           | 80   | Protection IS:4691 |   | IP 55                |                          |
| Rated Output                     | kW        | 0.55 | Vibration Standard |   | IS:12075             |                          |
|                                  | HP        | 0.75 | Noise Standard     |   | IS:12065             |                          |
| No. of Poles                     |           | 6    | Duty               |   | S1                   |                          |
| Rated Voltage                    |           | V    | 415                | Insulation Class                                |                      | F                        |
| Rated Frequency                  |           | Hz   | 50                 | Cooling IS:6362                                 |                      | IC411                    |
| Rated Current                    |           | A    | 1.5                | Terminal Box Details                            | Type                 | HM2GN                    |
| Rated Speed                      |           | rpm  | 930                |   | Terminal Size        | M4                       |
| Rated Torque                     |           | kgm  | 0.58               |   | No. of Terminal      | 6                        |
| Efficiency                       | Full load | %    | 72.9               | Bearing Data                                    | Max. cable size (Cu) | mm <sup>2</sup> 1x3Cx4.0 |
|                                  | 3/4 load  | %    | 72.9               |   | DE                   | 6204ZZ                   |
|                                  | 1/2 load  | %    | 67.0               |   | NDE                  | 6204ZZ                   |
| Power factor                     | Full load |      | 0.70               | Lubrication                                     | Prelubricated        |                          |
|                                  | 3/4 load  |      | 0.63               | Life L10 (Direct Coupled)                       | hrs. 50,000          |                          |
|                                  | 1/2 load  |      | 0.52               | Regreasing Time                                 | hrs. -               |                          |
| Max. Temp. Rise (Res.)           |           | °C   | 70                 | Lifting Eyebolt                                 |                      | -                        |
| Acceleration Time                |           | sec. | -                  | Motor Weight (approx)                           |                      | kg 13.0                  |
| Stator Connection                |           |      | Y                  | Rotor GD <sup>2</sup>                           |                      | kgm <sup>2</sup> 0.0063  |
| Tropicalised? (Yes / No)         |           |      | Yes                | Ambient Temp.                                   |                      | °C 50                    |
| I <sub>st</sub> / I <sub>r</sub> |           |      | 4.5                | Overall Dimensions of Packed motor (LxBxH) (mm) |                      |                          |
| T <sub>st</sub> / T <sub>r</sub> |           |      | 2.2                |   |                      |                          |
| T <sub>po</sub> / T <sub>r</sub> |           |      | 2.6                | Voltage Variation ±                             |                      | % 10                     |
| Locked rotor withstand time      | Hot       | sec. | 8                  | Frequency Variation ±                           |                      | % 5                      |
|                                  | Cold      | sec. | 19                 | Combiend Variation ±                            |                      | % 10                     |

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

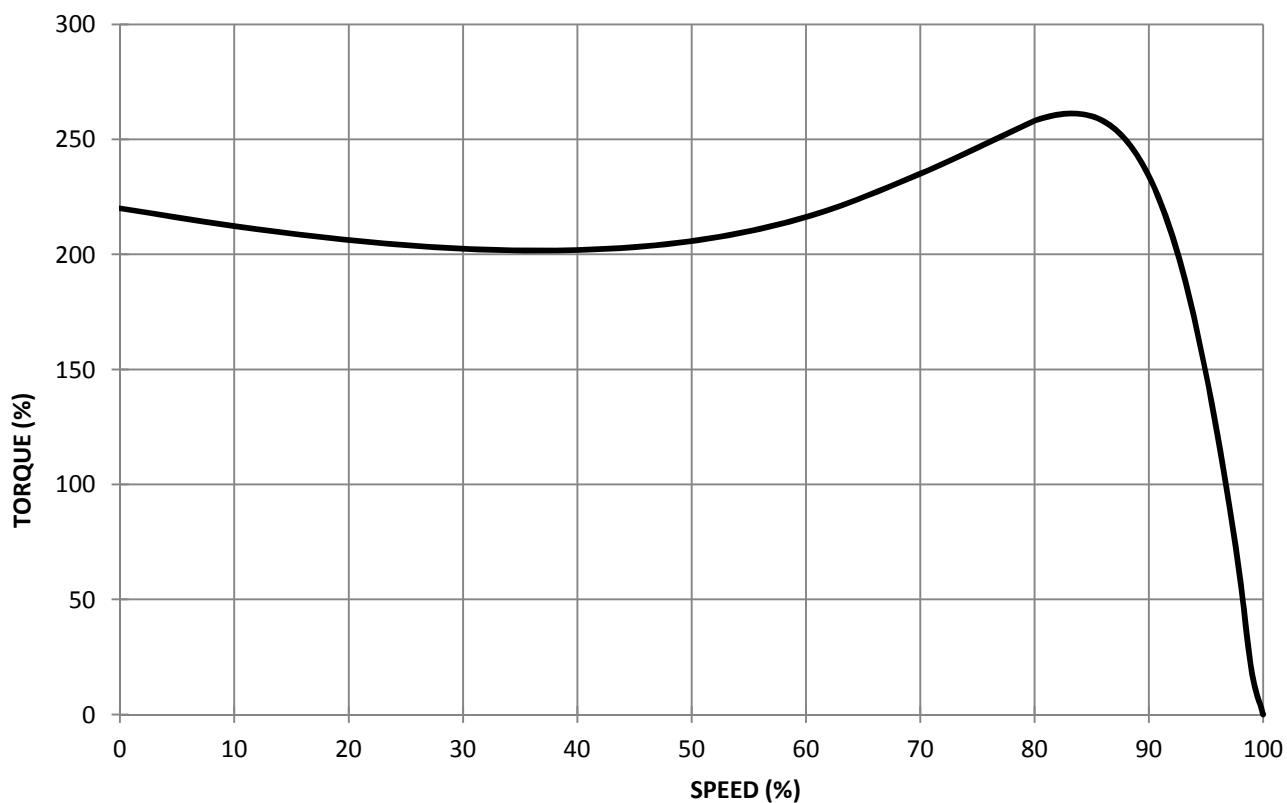
Data subject to tolerance as per IEC 60034-1

Prep.: Engg

Chkd.:

Date:

Date:



LOAD-EFFICIENCY-POWER FACTOR CURVE

