

|                                  |           |          |                                                 |                           |                          |
|----------------------------------|-----------|----------|-------------------------------------------------|---------------------------|--------------------------|
| No. of Phases                    |           | 3        | Reference                                       | Performance               | IS:325                   |
| Frame Designation                |           | 315L FLP | Standard                                        | Enclosure                 | IS:60079-1               |
| Rated Output                     | kW        | 160.00   | Protection IS:4691                              |                           | IP 55                    |
|                                  | HP        | 215.00   | 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         | 253.0    | Cooling IS:6362                                 |                           | IC411                    |
| Rated Speed                      | rpm       | 2985     | Terminal Box Details                            | Terminal Size             | M12                      |
| Rated Torque                     | kgm       | 52.21    |                                                 | No. of Terminal           | 6                        |
| Efficiency                       | Full load | %        | 95.0                                            | Max. cable size           | mm <sup>2</sup> 2x3Cx150 |
|                                  | 3/4 load  | %        | 94.5                                            | DE                        | 6319                     |
|                                  | 1/2 load  | %        | 93.5                                            | NDE                       | 6319                     |
| Power factor                     | Full load |          | 0.93                                            | Lubrication               | Mobil / Unirex N3        |
|                                  | 3/4 load  |          | 0.90                                            | Life L10 (Direct coupled) | hrs. 50,000              |
|                                  | 1/2 load  |          | 0.86                                            | Regreasing Time           | hrs. 2,000               |
| Temp. Rise (Res.)                | °C        | 70       | Lifting Eyebolt IS:4190                         |                           | M30                      |
| Acceleration Time                | sec.      | -        | Motor Weight (approx)                           | kg                        | 1325                     |
| Stator Connection                |           | D        | Rotor GD <sup>2</sup>                           | kgm <sup>2</sup>          | 5.5991                   |
| Tropicalised? (Yes/No)           |           | Yes      | Ambient Temp.                                   | °C                        | 50                       |
| I <sub>st</sub> / I <sub>r</sub> | %         | 6.5      | 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> | %         | 2.5      | Voltage Variation ±                             | %                         | 10                       |
| Locked rotor withstand time      | Hot       | sec      | 22                                              | Frequency Variation ±     | % 5                      |
|                                  | Cold      | sec      | 50                                              | Combiend Variation ±      | % 10                     |

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

Data subject to tolerance as per IS:12615.

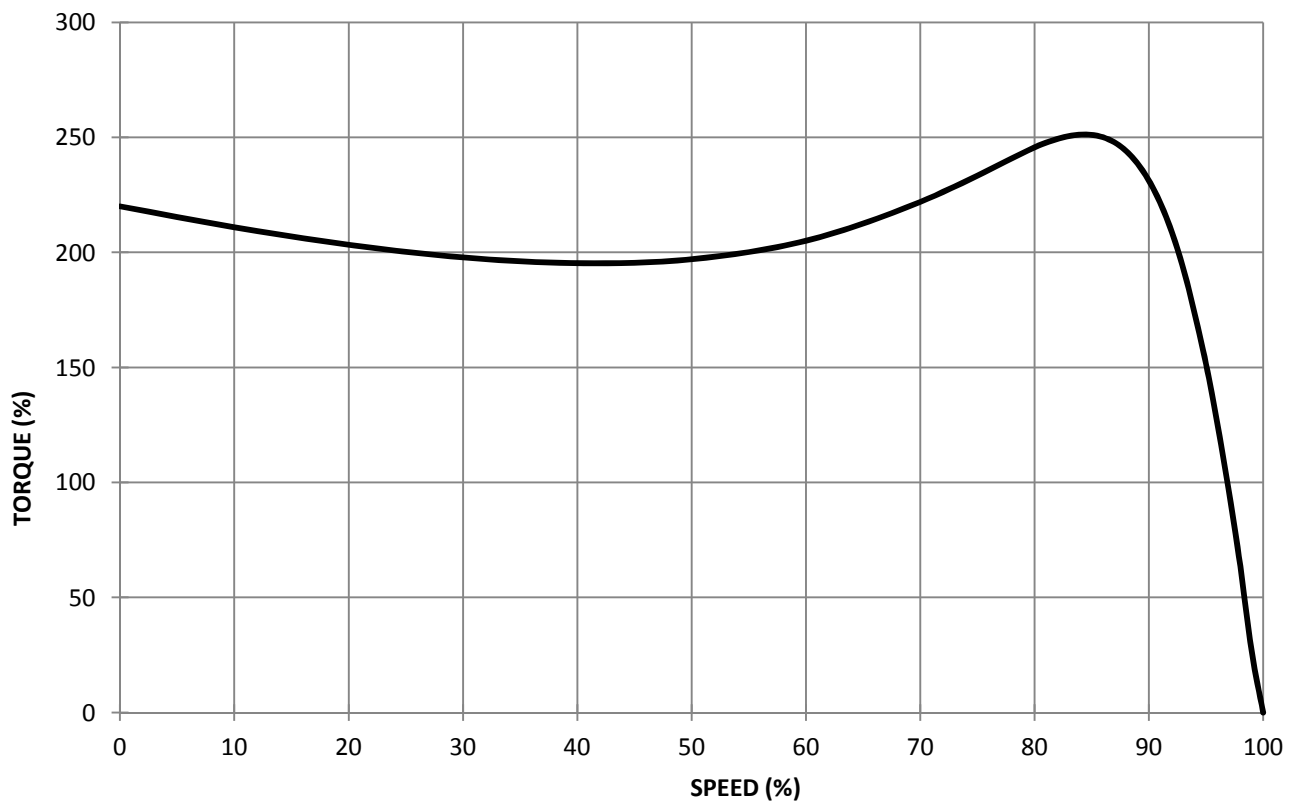
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### TORQUE SPEED CURVE



### LOAD-EFFICIENCY-POWER FACTOR CURVE

