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|----------------------------------|-----------|----------|---|-----------------|-------------------------|
| No. of Phases | | 3 | Reference | Performance | IS:325 |
| Frame Designation | | 132M FLP | Standard | Enclosure | IS:60079-1 |
| Rated Output | kW | 5.50 | Protection IS:4691 | | IP 55 |
| | HP | 7.50 | 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 10.6 | Cooling IS:6362 | | IC411 |
| Rated Speed | | rpm 1450 | Terminal Box Details | Terminal Size | M5 |
| Rated Torque | | kgm 3.69 | | No. of Terminal | 6 |
| Efficiency | Full load | % 87.0 | Bearing Data | Max. cable size | mm ² 2x3Cx10 |
| | 3/4 load | % 87.0 | | DE | 6308ZZ |
| | 1/2 load | % 86.0 | | NDE | 6208ZZ |
| Power factor | Full load | 0.83 | Lubrication | Prelubricated | |
| | 3/4 load | 0.78 | Life L10 (Direct coupled) | hrs. 50,000 | |
| | 1/2 load | 0.63 | Regreasing Time | hrs. - | |
| Temp. Rise (Res.) | | °C 70 | Lifting Eyebolt IS:4190 | | M10 |
| Acceleration Time | | sec. - | Motor Weight (approx) | | kg 92 |
| Stator Connection | | D | Rotor GD ² | | kgm ² 0.0676 |
| Tropicalised? (Yes/No) | | Yes | Ambient Temp. | | °C 50 |
| I _{st} / I _r | | % 5.5 | Overall Dimensions of Packed motor (LxBxH) (mm) | | |
| T _{st} / T _r | | % 2.3 | | | |
| T _{po} / T _r | | % 2.5 | Voltage Variation ± | | % 10 |
| Locked rotor withstand time | Hot | sec 7 | Frequency Variation ± | | % 5 |
| | Cold | sec 16 | Combiend Variation ± | | % 10 |

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

Data subject to tolerance as per IS:12615.

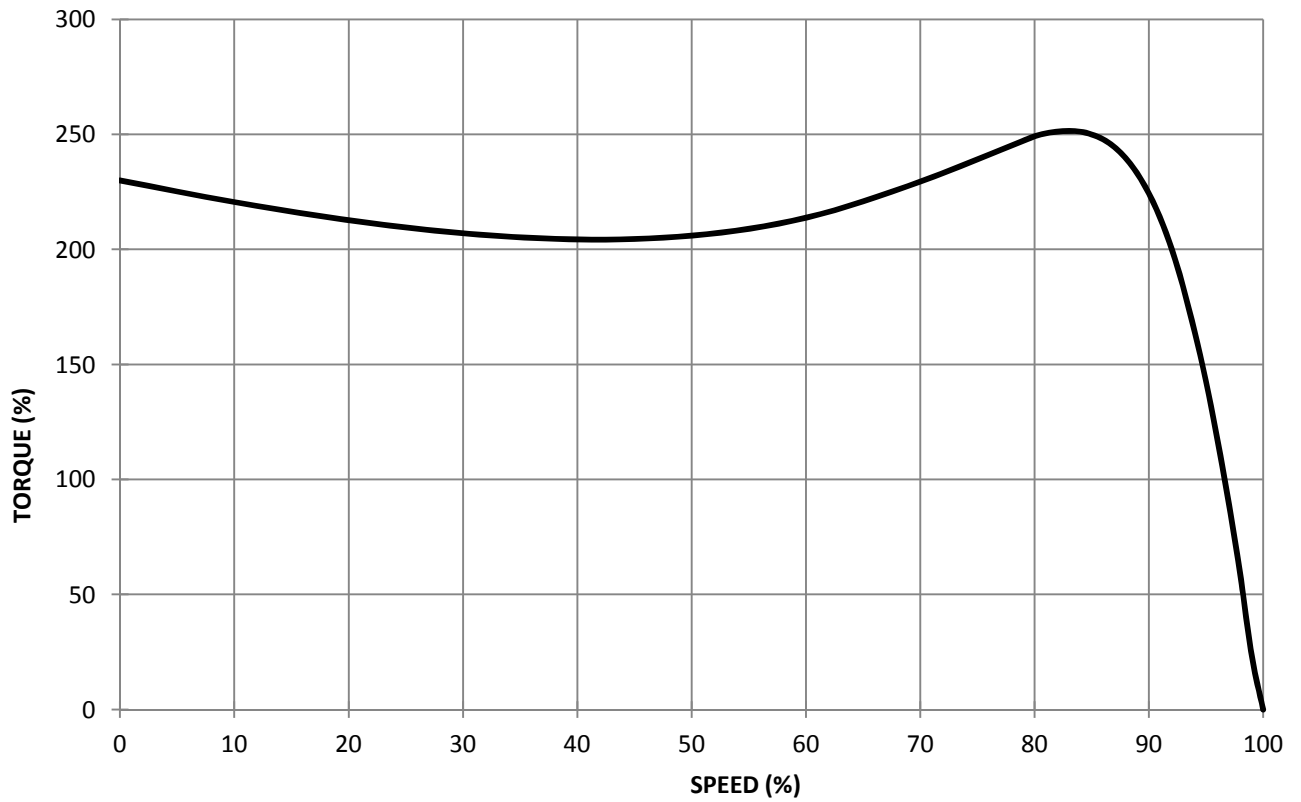
Prep.: ENGG

Chkd.:

Date:

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TORQUE SPEED CURVE



LOAD-EFFICIENCY-POWER FACTOR CURVE

