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|----------------------------------|-----------|-----------|----------------------------|---|-------------------------|---------------------|
| No. of Phases | | 3 | Reference | Performance | IS:325 | |
| Frame Designation | | 250M FLP | Standard | Enclosure | IS:60079-1 | |
| Rated Output | kW | 55.00 | Protection IS:4691 | | IP 55 | |
| | HP | 75.00 | 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 91.0 | Cooling IS:6362 | | IC411 | |
| Rated Speed | | rpm 2965 | Terminal Box Details | Terminal Size | M8 | |
| Rated Torque | | kgm 18.07 | | No. of Terminal | 6 | |
| Efficiency | Full load | % | 93.0 | Max. cable size | mm ² 2x3Cx70 | |
| | 3/4 load | % | 92.5 | DE | 6315 | |
| | 1/2 load | % | 91.0 | NDE | 6315 | |
| Power factor | Full load | | 0.90 | Lubrication | Mobil / Unirex N3 | |
| | 3/4 load | | 0.88 | Life L10 (Direct coupled) | hrs. 50,000 | |
| | 1/2 load | | 0.84 | Regreasing Time | hrs. 2,500 | |
| Temp. Rise (Res.) | | °C 70 | Lifting Eyebolt IS:4190 | | M16 | |
| Acceleration Time | | sec. - | Motor Weight (approx) | | kg 528 | |
| Stator Connection | | D | Rotor GD ² | | kgm ² 1.0690 | |
| Tropicalised? (Yes/No) | | Yes | Ambient Temp. | | °C 50 | |
| I _{st} / I _r | | % | 6.5 | Overall Dimensions of Packed motor (LxBxH) (mm) | | |
| T _{st} / T _r | | % | 2.2 | | | - |
| T _{po} / T _r | | % | 2.5 | | | Voltage Variation ± |
| Locked rotor withstand time | Hot | sec | 25 | Frequency Variation ± | % 5 | |
| | Cold | sec | 56 | Combiend Variation ± | % 10 | |

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

Data subject to tolerance as per IS:12615.

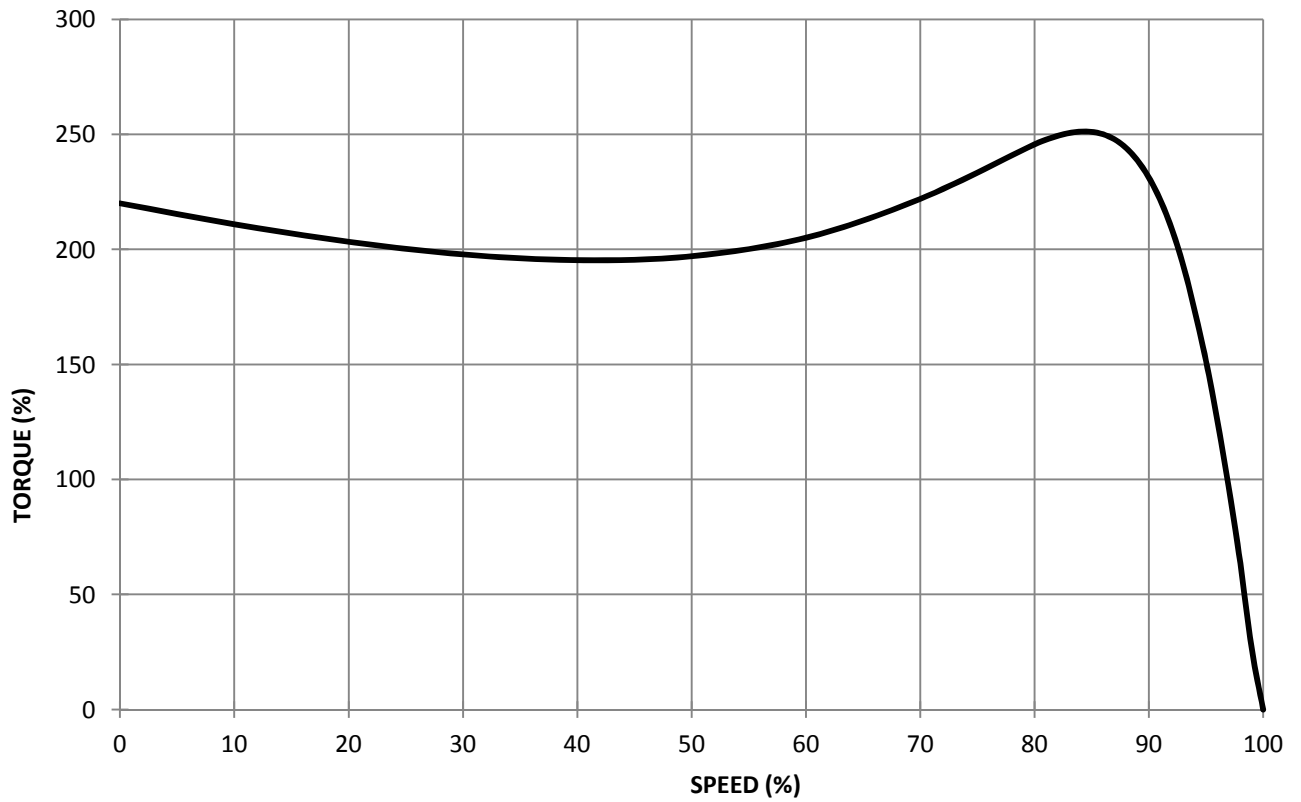
Prep.: ENGG

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TORQUE SPEED CURVE



LOAD-EFFICIENCY-POWER FACTOR CURVE

