

No. of Phases		3	Reference	Performance	IS:325
Frame Designation		180L FLP	Standard	Enclosure	IS:60079-1
Rated Output	kW	22.00	Protection IS:4691		IP 55
	HP	30.00	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 37.0	Cooling IS:6362		IC411
Rated Speed		rpm 2935	Terminal Box Details	Terminal Size	M6
Rated Torque		kgm 7.30		No. of Terminal	6
Efficiency	Full load	% 91.0		Max. cable size	mm <sup>2</sup> 2x3Cx25
	3/4 load	% 90.0	DE	6310ZZ	
	1/2 load	% 88.0	NDE	6310ZZ	
Power factor	Full load	0.91	Bearing Data	Lubrication	Prelubricated
	3/4 load	0.87		Life L10 (Direct coupled)	hrs. 50,000
	1/2 load	0.81		Regreasing Time	hrs. -
Temp. Rise (Res.)		°C 70	Lifting Eyebolt IS:4190		M12
Acceleration Time		sec. -	Motor Weight (approx)		kg 208
Stator Connection		D	Rotor GD <sup>2</sup>		kgm <sup>2</sup> 0.3222
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 10	Frequency Variation ±		% 5
	Cold	sec 24	Combiend Variation ±		% 10

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

Data subject to tolerance as per IS:12615.

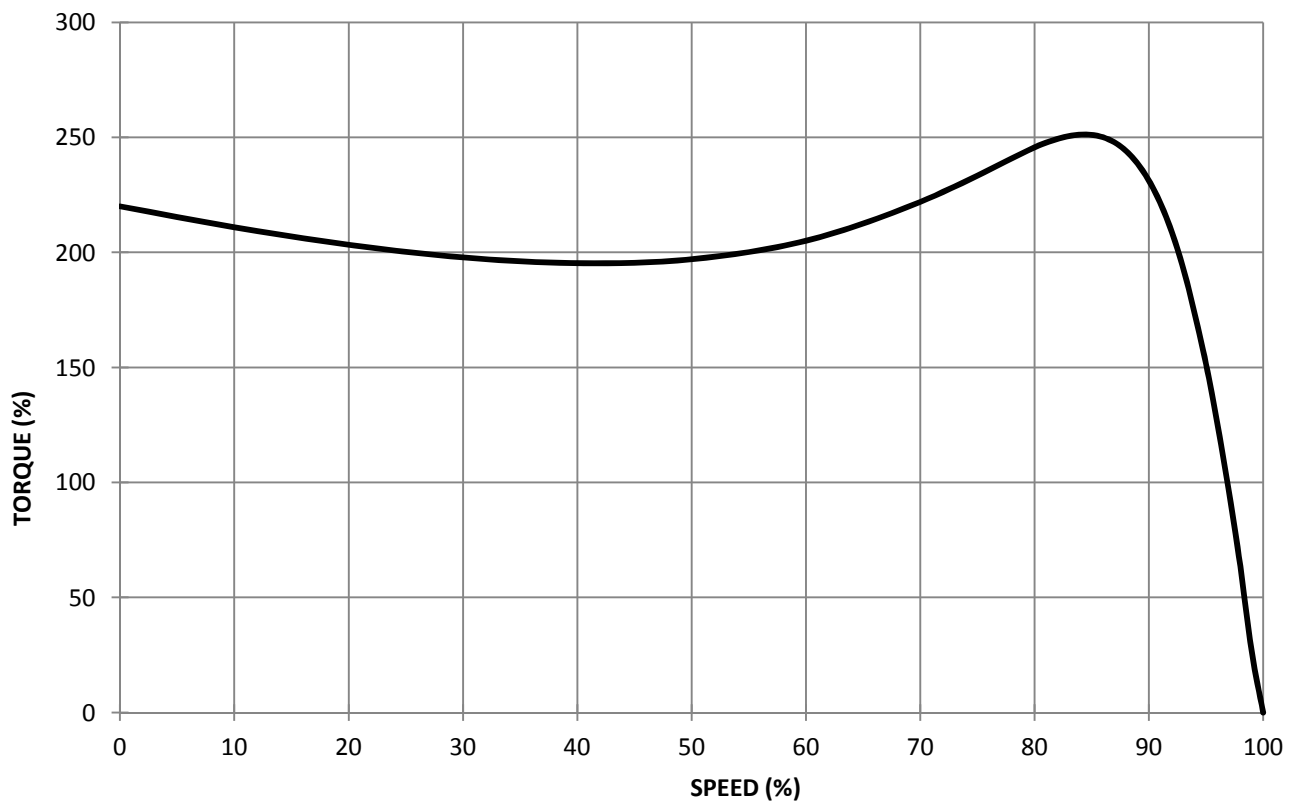
Prep.: ENGG

Chkd.:

Date:

Date:

### TORQUE SPEED CURVE



### LOAD-EFFICIENCY-POWER FACTOR CURVE

