

No. of Phases		3	Reference	Performance	IS:325
Frame Designation		180L FLP	Standard	Enclosure	IS:60079-1
Rated Output	kW	18.50	Protection IS:4691		IP 55
	HP	25.00	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 34.0	Cooling IS:6362		IC411
Rated Speed		rpm 1460	Terminal Box Details	Terminal Size	M6
Rated Torque		kgm 12.34		No. of Terminal	6
Efficiency	Full load	% 90.5		Max. cable size	mm <sup>2</sup> 2x3Cx25
	3/4 load	% 90.5	DE	6310ZZ	
	1/2 load	% 89.5	NDE	6310ZZ	
Power factor	Full load	0.84	Bearing Data	Lubrication	Prelubricated
	3/4 load	0.81		Life L10 (Direct coupled)	hrs. 50,000
	1/2 load	0.74		Regreasing Time	hrs. -
Temp. Rise (Res.)		°C 70	Lifting Eyebolt IS:4190		M12
Acceleration Time		sec. -	Motor Weight (approx)		kg 204
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>		% 6.0	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 8	Frequency Variation ±		% 5
	Cold	sec 18	Combiend Variation ±		% 10

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

Data subject to tolerance as per IS:12615.

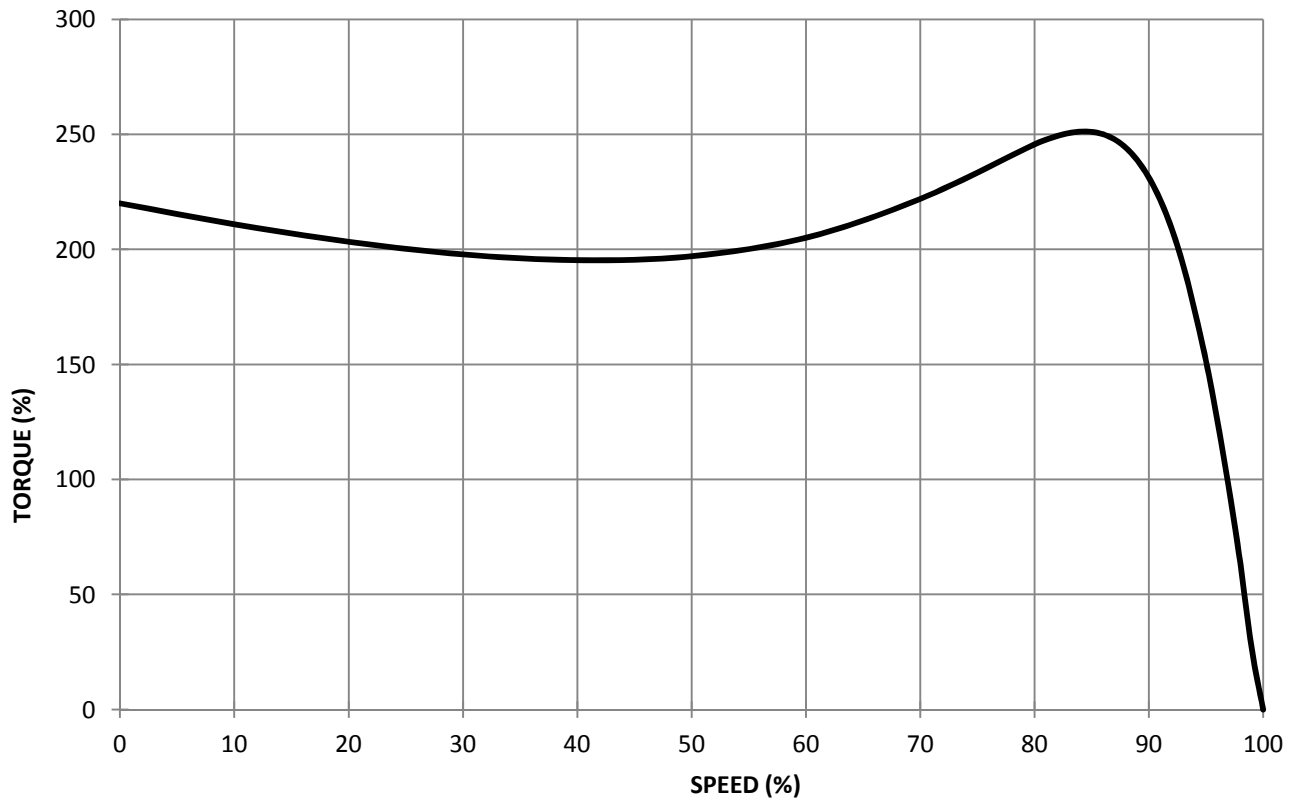
Prep.: ENGG

Chkd.:

Date:

Date:

### TORQUE SPEED CURVE



### LOAD-EFFICIENCY-POWER FACTOR CURVE

