

No. of Phases		3	Reference	Performance	IS:12615	
Frame Designation		160L FLP	Standard	Enclosure	IS:60079-1	
Rated Output	kW	7.50	Protection IS:4691		IP 55	
	HP	10.00	Vibration Standard		IS:12075	
No. of Poles		6	Noise Standard		IS:12065	
Rated Voltage		V 415	Duty		S1	
Rated Frequency		Hz 50	Insulation Class		F	
Rated Current		A 14.6	Cooling IS:6362		IC411	
Rated Speed		rpm 960	Terminal Box Details	Terminal Size		M6
Rated Torque		kgm 7.61		No. of Terminal		6
Efficiency	Full load	% 87.2	Bearing Data	Max. cable size		mm ² 2x3Cx25.0
	3/4 load	% 87.2		DE		6309ZZ
	1/2 load	% 84.0		NDE		6309ZZ
Power factor	Full load	0.82	Lubrication		Prelubricated	
	3/4 load	0.77	Life L10 (Direct coupled)		hrs. 50,000	
	1/2 load	0.65	Regreasing Time		hrs. -	
Temp. Rise (Res.)		°C 70	Lifting Eyebolt IS:4190		M12	
Acceleration Time		sec. -	Motor Weight (approx)		kg 162	
Stator Connection		D	Rotor GD ²		kgm ² 0.2625	
Tropicalised? (Yes/No)		Yes	Ambient Temp.		°C 50	
I _{st} / I _r		% 7.0	Overall Dimensions of Packed motor (LxBxH) (mm) -			
T _{st} / T _r		% 2.2				
T _{po} / T _r		% 2.6	Voltage Variation ±		% 10	
Locked rotor withstand time	Hot	sec 6	Frequency Variation ±		% 5	
	Cold	sec 14	Combiend Variation ±		% 10	

Remarks: (1) Efficiency Class : IE2
(2) Motor construction: TEFC

Data subject to tolerance as per IS:12615.

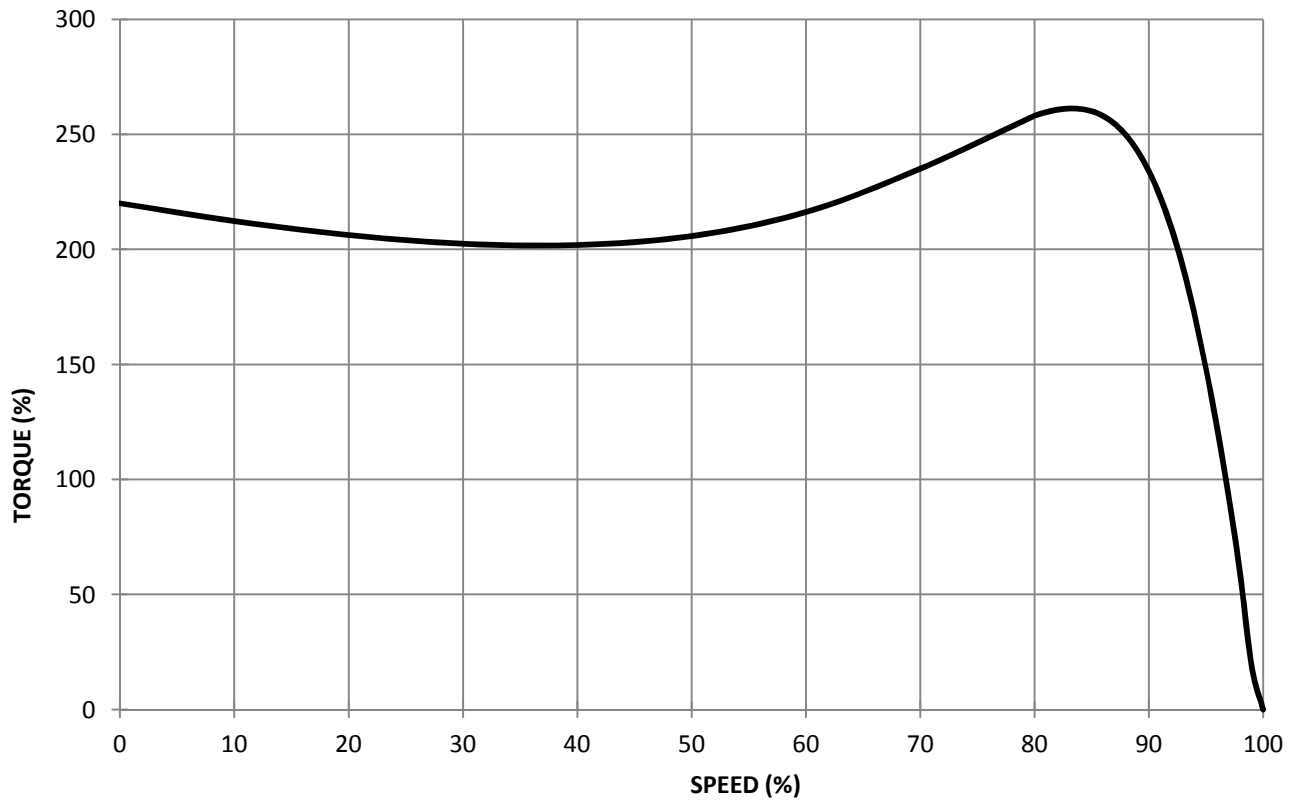
Prep.: Engg

Chkd.:

Date:

Date:

TORQUE SPEED CURVE



LOAD-EFFICIENCY-POWER FACTOR CURVE

