

No. of Phases		3	Reference	Performance	IS:12615	
Frame Designation		160L FLP	Standard	Enclosure	IS:60079-1	
Rated Output	kW	11.00	Protection IS:4691		IP 55	
	HP	15.00	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	20.5	Cooling IS:6362		IC411
Rated Speed		rpm	1455	Terminal Box Details	Terminal Size	M6
Rated Torque		kgm	7.36		No. of Terminal	6
Efficiency	Full load	%	89.8	Bearing Data	Max. cable size	mm ² 2x3Cx25.0
	3/4 load	%	89.8		DE	6309ZZ
	1/2 load	%	88.0		NDE	6309ZZ
Power factor	Full load		0.83	Lubrication	Prelubricated	
	3/4 load		0.80	Life L10 (Direct coupled)	hrs.	50,000
	1/2 load		0.72	Regreasing Time	hrs.	-
Temp. Rise (Res.)		°C	70	Lifting Eyebolt IS:4190		M12
Acceleration Time		sec.	-	Motor Weight (approx)		kg 170
Stator Connection			D	Rotor GD ²		kgm ² 0.1871
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	15	Combiend Variation ±		% 10

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

Data subject to tolerance as per IS:12615.

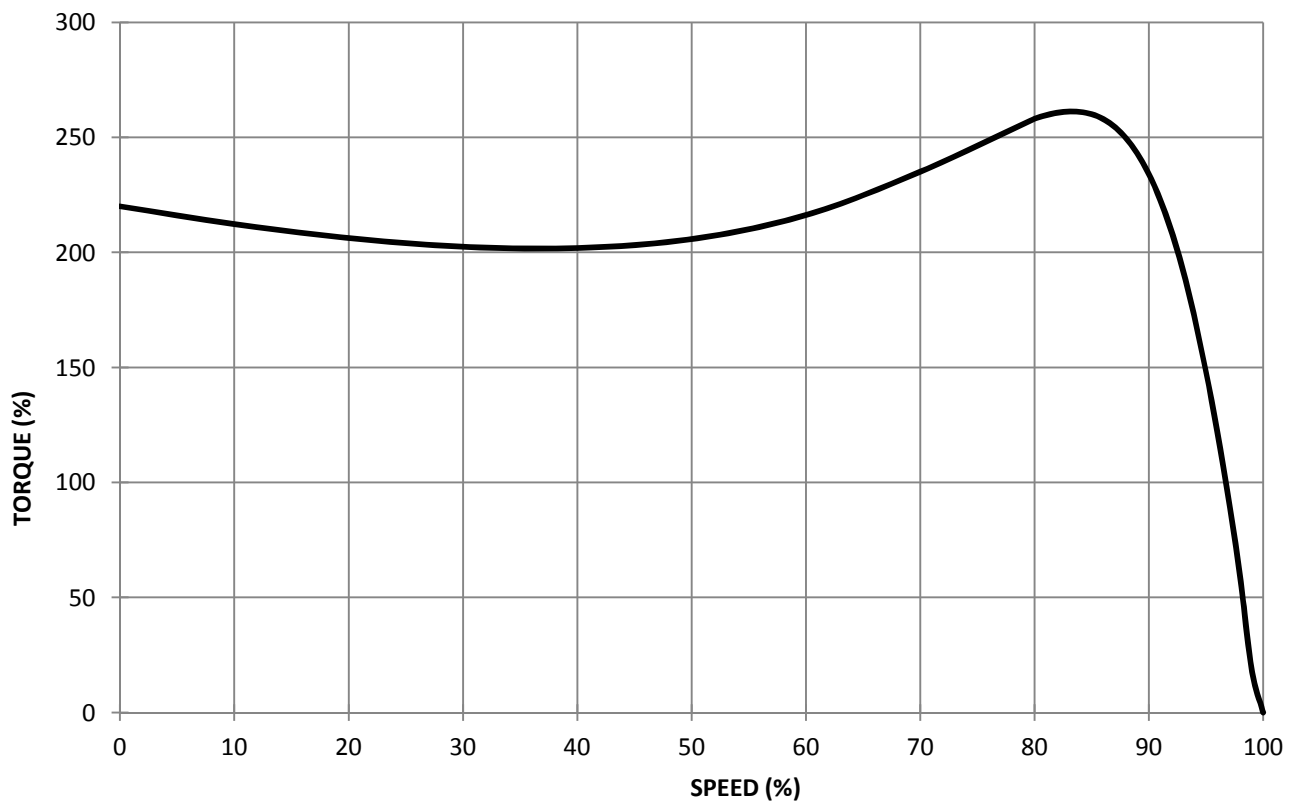
Prep.: Engg

Chkd.:

Date:

Date:

TORQUE SPEED CURVE



LOAD-EFFICIENCY-POWER FACTOR CURVE

