

No. of Phases		3	Reference Standard		IS:325		
Frame Designation		180L	Protection IS:4691		IP 55		
Rated Output	kW	7.50	Vibration Standard		IS:12075		
	HP	10.00	Noise Standard		IS:12065		
No. of Poles		10	Duty		S1		
Rated Voltage		V	Insulation Class		F		
Rated Frequency		Hz	Cooling IS:6362		IC410		
Rated Current		A	Terminal Box Details	Type	HM4GN		
Rated Speed		rpm		Terminal Size	M6		
Rated Torque		kgm		No. of Terminal	6		
				Max. cable size (Cu) mm ²	2x3Cx25		
Efficiency	Full load	%	83.0	Bearing Data	DE	6310ZZ	
	3/4 load	%	82.5		NDE	6210ZZ	
	1/2 load	%	80.0		Lubrication	Prelubricated	
Power factor	Full load		0.70	Life L10 (Direct Coupled) hrs.	50,000		
	3/4 load		0.62	Regreasing Time hrs.	-		
	1/2 load		0.48				
Max. Temp. Rise (Res.)		°C	70	Lifting Eyebolt IS:4190		M12	
Acceleration Time		sec.	-	Motor Weight (approx)		kg	-
Stator Connection			D	Rotor GD ²		kgm ²	0.5949
Tropicalised? (Yes / No)			Yes	Ambient Temp.		°C	50
I _{st} / I _r			5.0	Overall Dimensions of Packed motor (LxBxH) (mm)			
T _{st} / T _r			2.0				
T _{po} / T _r			2.2	Voltage Variation ±		%	10
Locked rotor withstand time	Hot	sec.	14	Frequency Variation ±		%	5
	Cold	sec.	32	Combiend Variation ±		%	10

Remarks: (1) Motor Construction: TE
(2) Motor Mounting: IM B5 (Flange Mounted)

Data subject to tolerance as per IS: 325.

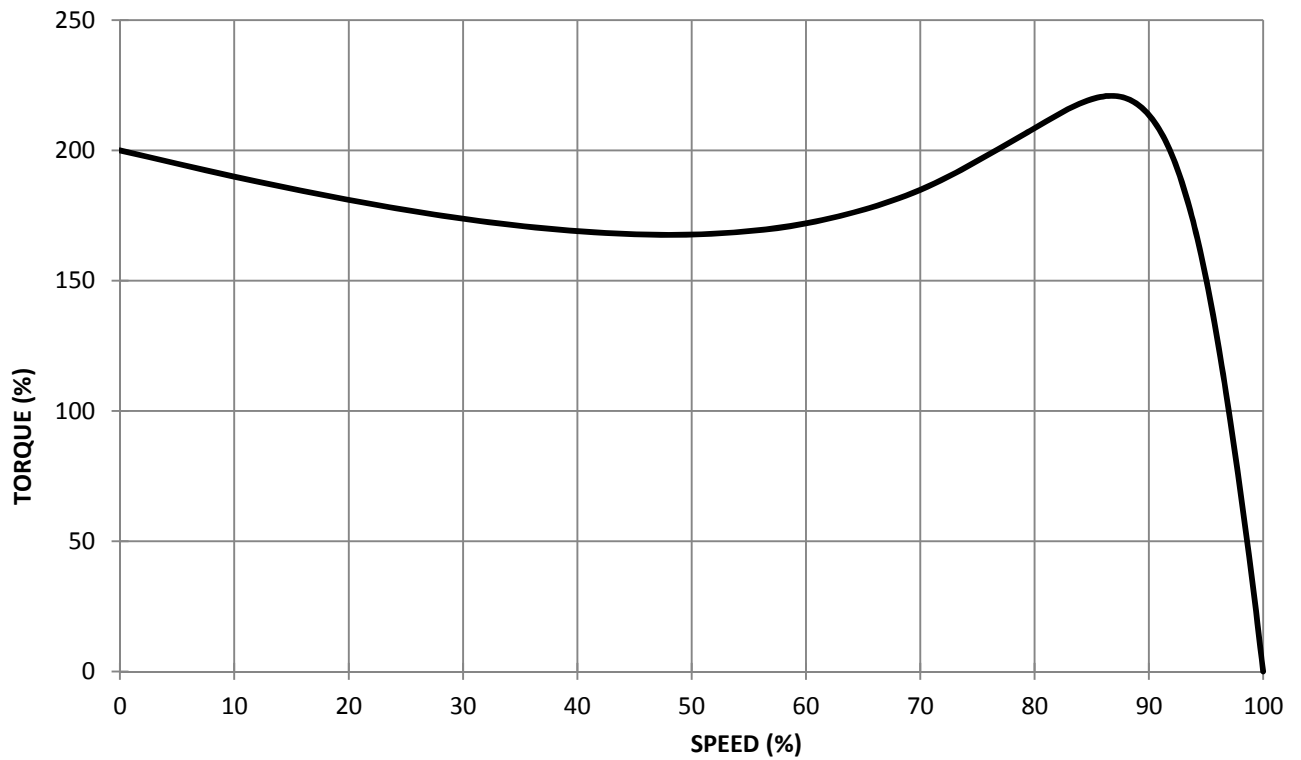
Prep.: Engg

Chkd.:

Date:

Date:

TORQUE SPEED CURVE



LOAD-EFFICIENCY-POWER FACTOR CURVE

