

No. of Phases		3	Reference Standard		IS:12615	
Frame Designation		180M	Protection IS:4691		IP 55	
Rated Output	kW	18.50	Vibration Standard		IS:12075	
	HP	25.00	Noise Standard		IS:12065	
No. of Poles		4	Duty		S1	
Rated Voltage		V	415	Insulation Class		F
Rated Frequency		Hz	50	Cooling IS:6362		IC411
Rated Current		A	32.8	Terminal Box Details	Type	HM4GN
Rated Speed		rpm	1470		Terminal Size	M6
Rated Torque		kgm	12.26		No. of Terminal	6
Efficiency	Full load	%	92.6	Bearing Data	Max. cable size (Cu)	mm ² 2x3Cx25.0
	3/4 load	%	92.6		DE	6310ZZ
	1/2 load	%	91.6		NDE	6210ZZ
Power factor	Full load		0.85	Lubrication	Prelubricated	
	3/4 load		0.81	Life L10 (Direct Coupled)	hrs. 50,000	
	1/2 load		0.73	Regreasing Time	hrs. -	
Max. Temp. Rise (Res.)		°C	70	Lifting Eyebolt		M12
Acceleration Time		sec.	-	Motor Weight (approx)		kg 165.0
Stator Connection			D	Rotor GD ²		kgm ² 0.3790
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			2.4			
T _{po} / T _r			2.7	Voltage Variation ±		% 10
Locked rotor withstand time	Hot	sec.	9	Frequency Variation ±		% 5
	Cold	sec.	21	Combiend Variation ±		% 10

Remarks: (1) Efficiency Class : IE3
(2) Motor Construction : TEFC

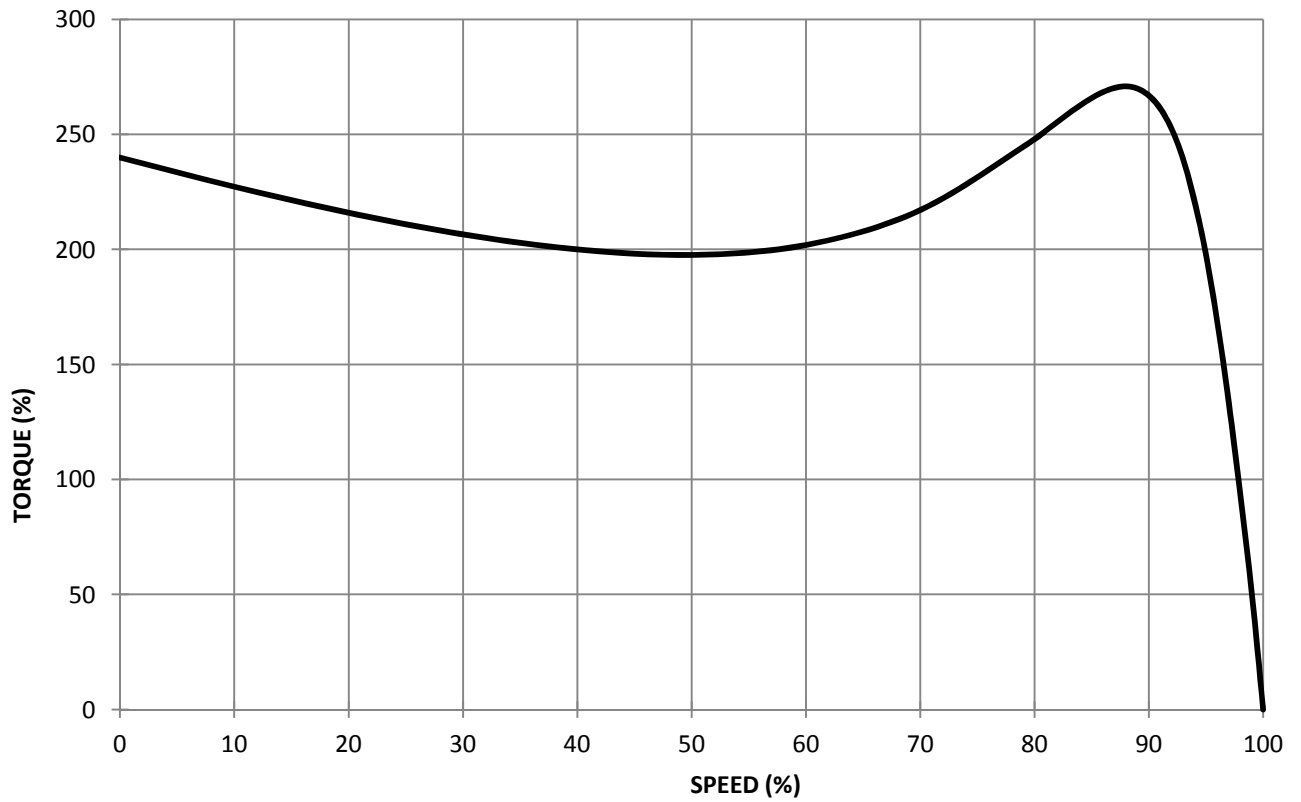
Data subject to tolerance as per IEC 60034-1

Prep.: Engg

Chkd.:

Date:

Date:



LOAD-EFFICIENCY-POWER FACTOR CURVE

