

No. of Phases		3	Reference Standard		IS:12615	
Frame Designation		180L	Protection IS:4691		IP 55	
Rated Output	kW	22.00	Vibration Standard		IS:12075	
	HP	30.00	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	38.8	Terminal Box Details	Type	HM4GN
Rated Speed		rpm	1470		Terminal Size	M6
Rated Torque		kgm	14.58		No. of Terminal	6
Efficiency	Full load	%	93.0	Bearing Data	Max. cable size (Cu)	mm ² 2x3Cx25.0
	3/4 load	%	93.0		DE	6310ZZ
	1/2 load	%	92.0		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 180.0
Stator Connection			D	Rotor GD ²		kgm ² 0.4359
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			2.3			
T _{po} / T _r			2.6	Voltage Variation ±		% 10
Locked rotor withstand time	Hot	sec.	9	Frequency Variation ±		% 5
	Cold	sec.	20	Combiend Variation ±		% 10

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

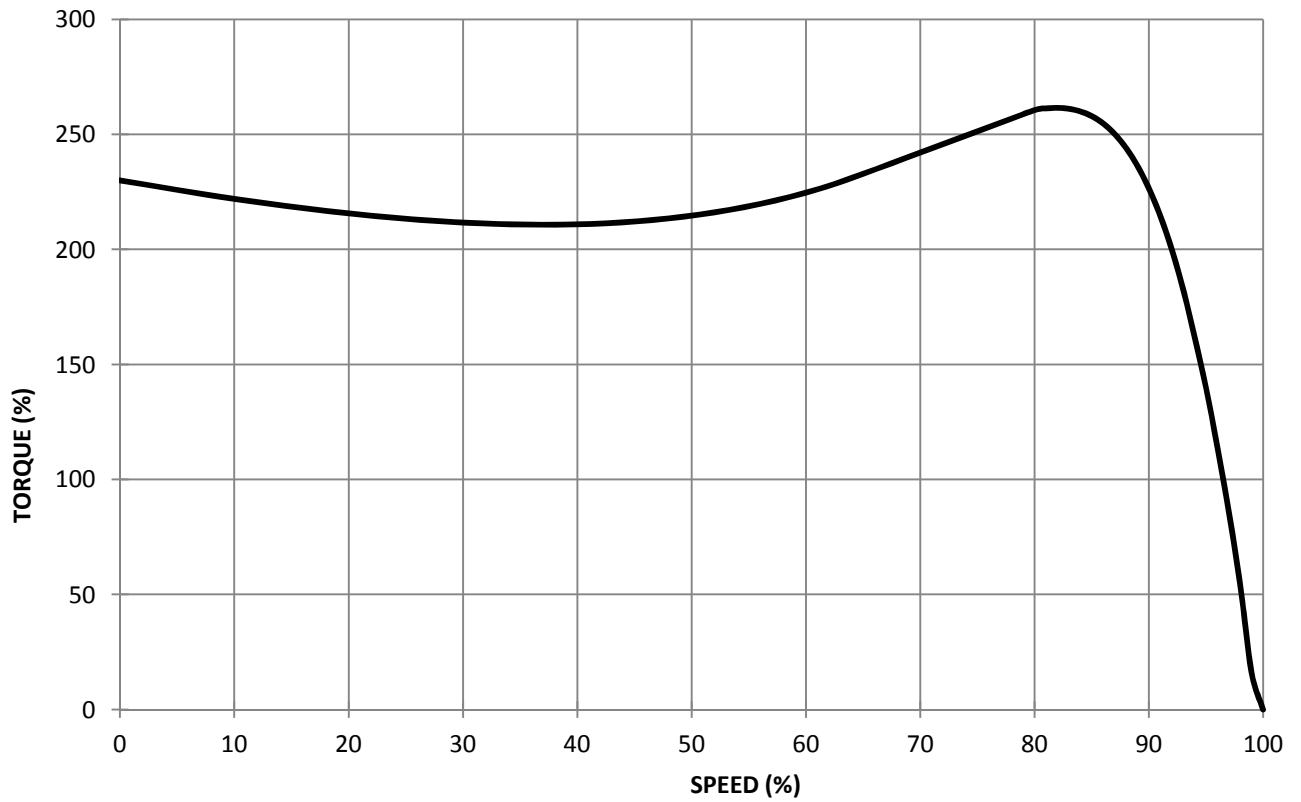
Data subject to tolerance as per IEC 60034-1

Prep.: Engg

Chkd.:

Date:

Date:



LOAD-EFFICIENCY-POWER FACTOR CURVE

