

No. of Phases		3	Reference Standard		IS:12615	
Frame Designation		80	Protection IS:4691		IP 55	
Rated Output	kW	0.55	Vibration Standard		IS:12075	
	HP	0.75	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	1.4	Terminal Box Details	Type	HM2GN
Rated Speed		rpm	1420		Terminal Size	M4
Rated Torque		kgm	0.38		No. of Terminal	6
Efficiency	Full load	%	75.1	Bearing Data	Max. cable size (Cu) mm ²	1x3Cx4.0
	3/4 load	%	75.1		DE	6204ZZ
	1/2 load	%	71.0		NDE	6204ZZ
Power factor	Full load		0.73	Lubrication	Prelubricated	
	3/4 load		0.67	Life L10 (Direct Coupled) hrs.	50,000	
	1/2 load		0.58	Regreasing Time hrs.	-	
Max. Temp. Rise (Res.)		°C	70	Lifting Eyebolt		-
Acceleration Time		sec.	-	Motor Weight (approx)		kg 13.0
Stator Connection			Y	Rotor GD ²		kgm ² 0.0038
Tropicalised? (Yes / No)			Yes	Ambient Temp.		°C 50
I _{st} / I _r			6.0	Overall Dimensions of Packed motor (LxBxH) (mm)		
T _{st} / T _r			1.9			
T _{po} / T _r			2.3	Voltage Variation ±		% 10
Locked rotor withstand time	Hot	sec.	3	Frequency Variation ±		% 5
	Cold	sec.	8	Combiend Variation ±		% 10

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

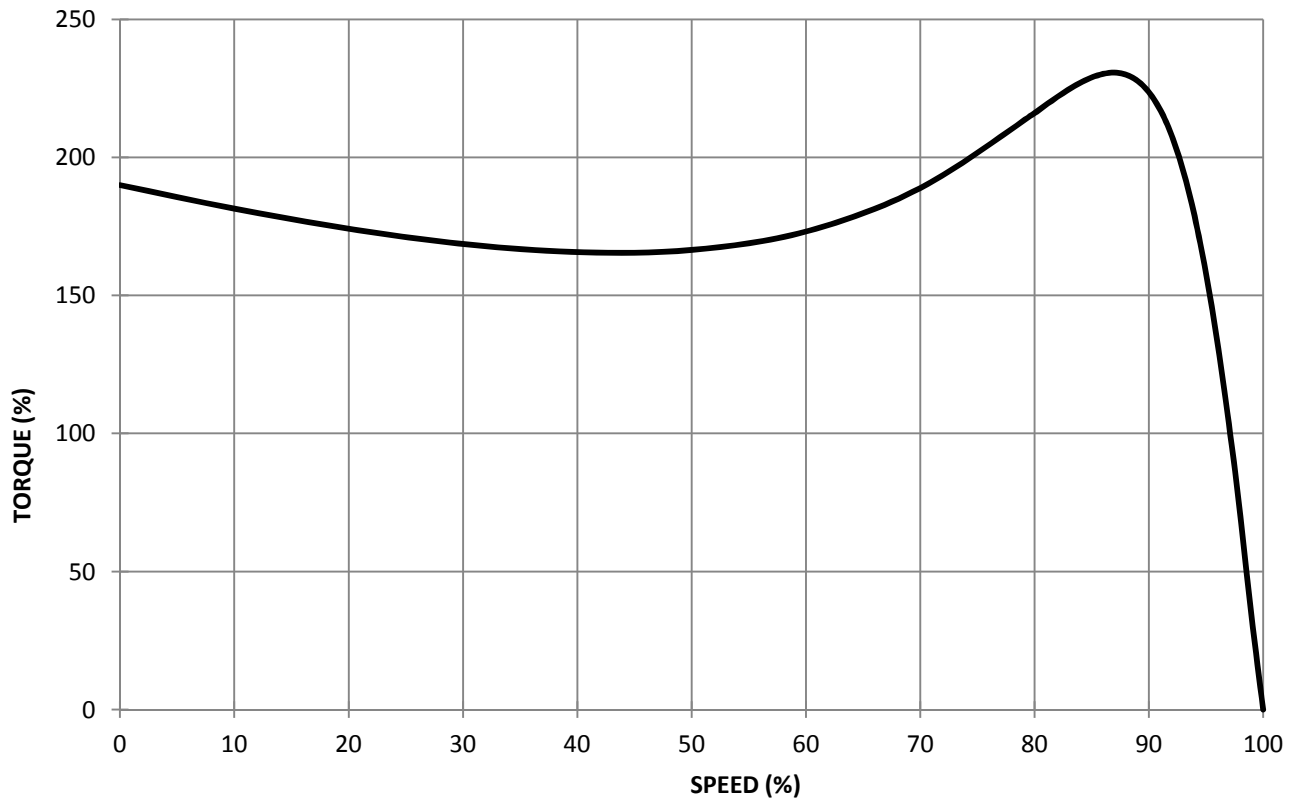
Data subject to tolerance as per IEC 60034-1

Prep.: Engg

Chkd.:

Date:

Date:



LOAD-EFFICIENCY-POWER FACTOR CURVE

