

No. of Phases		3	Reference Standard		IS:12615	
Frame Designation		90S	Protection IS:4691		IP 55	
Rated Output	kW	0.75	Vibration Standard		IS:12075	
	HP	1.00	Noise Standard		IS:12065	
No. of Poles		6	Duty		S1	
Rated Voltage		V	415	Insulation Class		F
Rated Frequency		Hz	50	Cooling IS:6362		IC411
Rated Current		A	2.0	Terminal Box Details	Type	HM2GN
Rated Speed		rpm	935		Terminal Size	M4
Rated Torque		kgm	0.78		No. of Terminal	6
Efficiency	Full load	%	75.9	Bearing Data	Max. cable size (Cu)	mm ² 1x3Cx4.0
	3/4 load	%	75.9		DE	6205ZZ
	1/2 load	%	73.0		NDE	6205ZZ
Power factor	Full load		0.69	Lubrication	Prelubricated	
	3/4 load		0.63	Life L10 (Direct Coupled)	hrs. 50,000	
	1/2 load		0.52	Regreasing Time	hrs. -	
Max. Temp. Rise (Res.)		°C	70	Lifting Eyebolt		-
Acceleration Time		sec.	-	Motor Weight (approx)	kg	20.0
Stator Connection			Y	Rotor GD ²	kgm ²	0.0122
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			2.1			
T _{po} / T _r			2.5	Voltage Variation ±	%	10
Locked rotor withstand time	Hot	sec.	13	Frequency Variation ±	%	5
	Cold	sec.	30	Combiend Variation ±	%	10

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

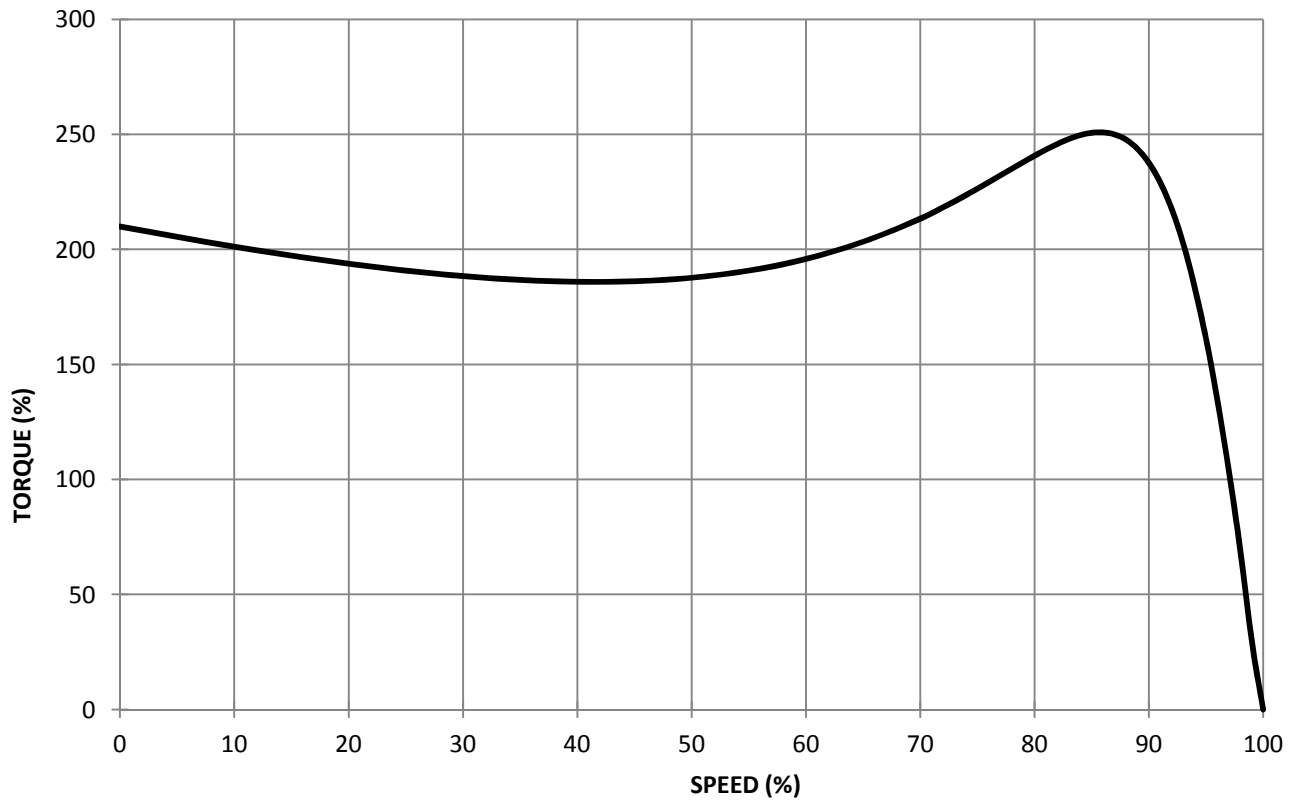
Data subject to tolerance as per IEC 60034-1

Prep.: Engg

Chkd.:

Date:

Date:



LOAD-EFFICIENCY-POWER FACTOR CURVE

