

No. of Phases		3	Reference Standard		IS:12615	
Frame Designation		90S	Protection IS:4691		IP 55	
Rated Output	kW	1.50	Vibration Standard		IS:12075	
	HP	2.00	Noise Standard		IS:12065	
No. of Poles		2	Duty		S1	
Rated Voltage		V	415	Insulation Class		F
Rated Frequency		Hz	50	Cooling IS:6362		IC411
Rated Current		A	3.0	Terminal Box Details	Type	HM2GN
Rated Speed		rpm	2850		Terminal Size	M4
Rated Torque		kgm	0.51		No. of Terminal	6
Efficiency	Full load	%	84.2	Bearing Data	Max. cable size (Cu)	mm <sup>2</sup> 1x3Cx4.0
	3/4 load	%	84.2		DE	6205ZZ
	1/2 load	%	84.0		NDE	6205ZZ
Power factor	Full load		0.83	Lubrication	Prelubricated	
	3/4 load		0.81	Life L10 (Direct Coupled)	hrs. 50,000	
	1/2 load		0.75	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 <sup>2</sup>		kgm <sup>2</sup> 0.0052
Tropicalised? (Yes / No)			Yes	Ambient Temp.		°C 50
I <sub>st</sub> / I <sub>r</sub>			7.0	Overall Dimensions of Packed motor (LxBxH) (mm)		
T <sub>st</sub> / T <sub>r</sub>			2.5			
T <sub>po</sub> / T <sub>r</sub>			3.0	Voltage Variation ±		% 10
Locked rotor withstand time	Hot	sec.	7	Frequency Variation ±		% 5
	Cold	sec.	15	Combiend Variation ±		% 10

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

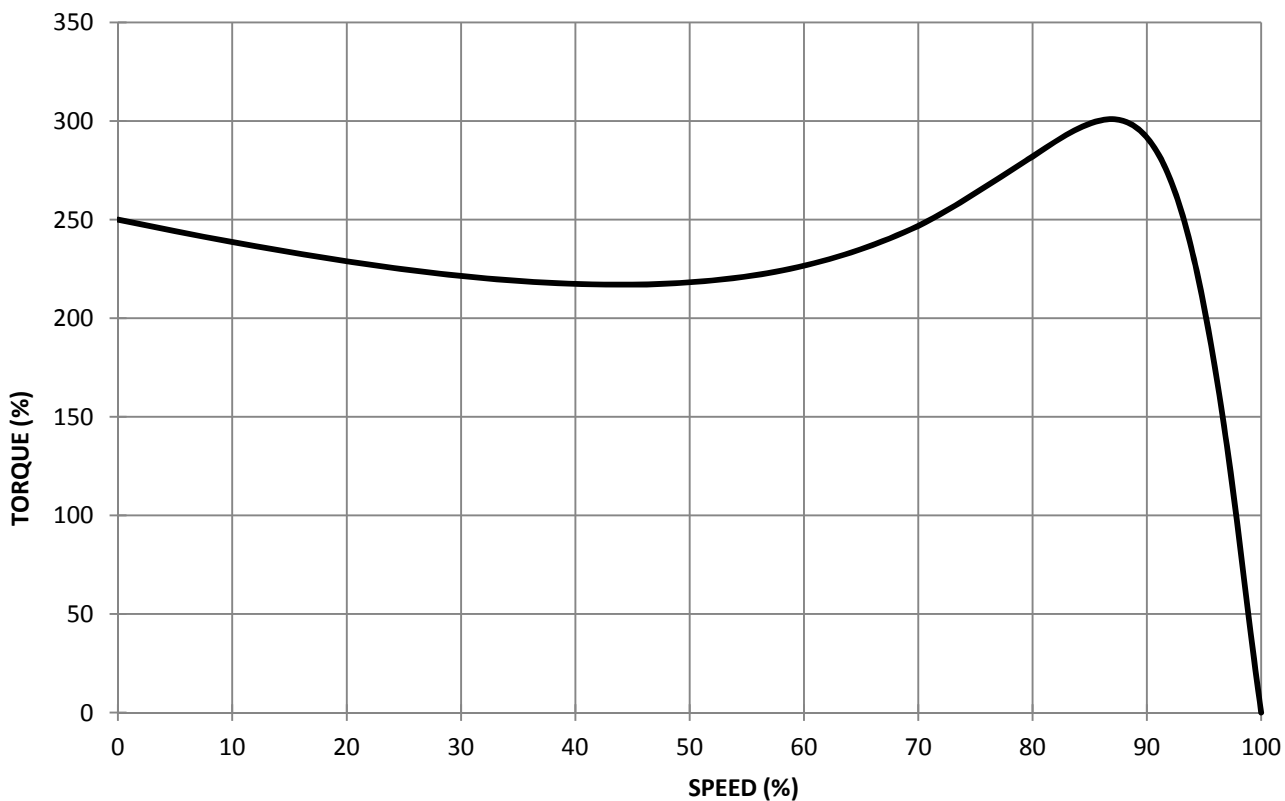
Data subject to tolerance as per IEC 60034-1

Prep.: Engg

Chkd.:

Date:

Date:



LOAD-EFFICIENCY-POWER FACTOR CURVE

