

No. of Phases		3	Reference Standard		IS:12615	
Frame Designation		90S	Protection IS:4691		IP 55	
Rated Output	kW	1.10	Vibration Standard		IS:12075	
	HP	1.50	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	2.4	Terminal Box Details	Type	HM2GN	
Rated Speed	rpm	1430		Terminal Size	M4	
Rated Torque	kgm	0.75		No. of Terminal	6	
Efficiency	Full load	%	81.4	Max. cable size (Cu)	mm <sup>2</sup> 1x3Cx4.0	
	3/4 load	%	81.4	DE	6205ZZ	
	1/2 load	%	80.0	NDE	6205ZZ	
Power factor	Full load		0.78	Lubrication	Prelubricated	
	3/4 load		0.73	Life L10 (Direct Coupled)	hrs. 50,000	
	1/2 load		0.65	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> 0.0093	
Tropicalised? (Yes / No)		Yes	Ambient Temp.		°C 50	
I <sub>st</sub> / I <sub>r</sub>		6.0	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.	6	Frequency Variation ±		% 5
	Cold	sec.	14	Combiend Variation ±		% 10

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

Data subject to tolerance as per IEC 60034-1

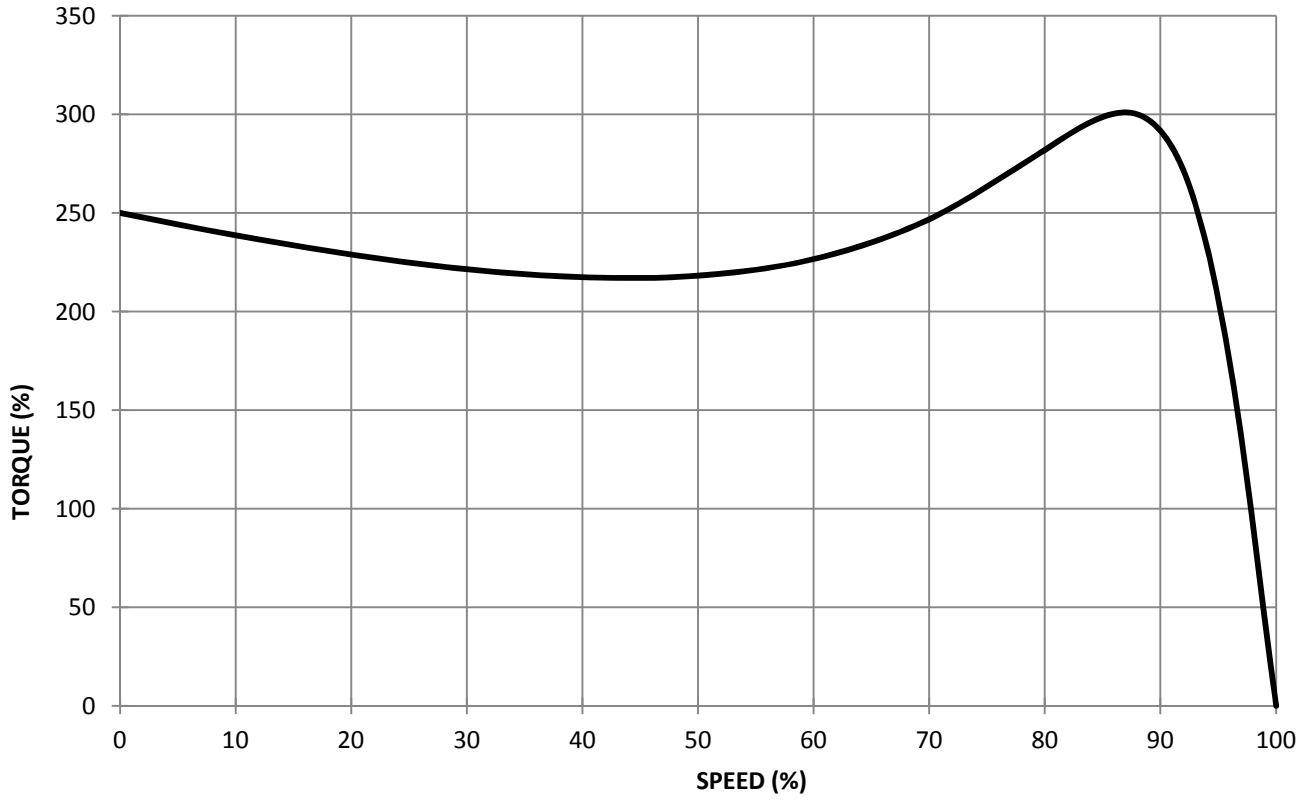
Prep.: Engg

Chkd.:

Date:

Date:

### TORQUE SPEED CURVE



### LOAD-EFFICIENCY-POWER FACTOR CURVE

