

No. of Phases		3	Reference	Performance	IS:12615	
Frame Designation		90 FLP	Standard	Enclosure	IS:60079-1	
Rated Output	kW	1.10	Protection IS:4691		IP 55	
	HP	1.50	Vibration Standard		IS:12075	
No. of Poles		4	Noise Standard		IS:12065	
Rated Voltage		V	415	Duty		S1
Rated Frequency		Hz	50	Insulation Class		F
Rated Current		A	2.4	Cooling IS:6362		IC411
Rated Speed		rpm	1430	Terminal Box Details	Terminal Size	M4
Rated Torque		kgm	0.75		No. of Terminal	6
Efficiency	Full load	%	81.4		Max. cable size	mm ² 1x3Cx4.0
	3/4 load	%	81.4	DE	6205ZZ	
	1/2 load	%	80.0	NDE	6205ZZ	
Power factor	Full load		0.78	Bearing Data	Lubrication	Prelubricated
	3/4 load		0.73		Life L10 (Direct coupled)	hrs. 50,000
	1/2 load		0.65		Regreasing Time	hrs. -
Temp. Rise (Res.)		°C	70	Lifting Eyebolt IS:4190		-
Acceleration Time		sec.	-	Motor Weight (approx)	kg	40
Stator Connection			Y	Rotor GD ²	kgm ²	0.0093
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		%	2.5			
T _{po} / T _r		%	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 IS:12615.

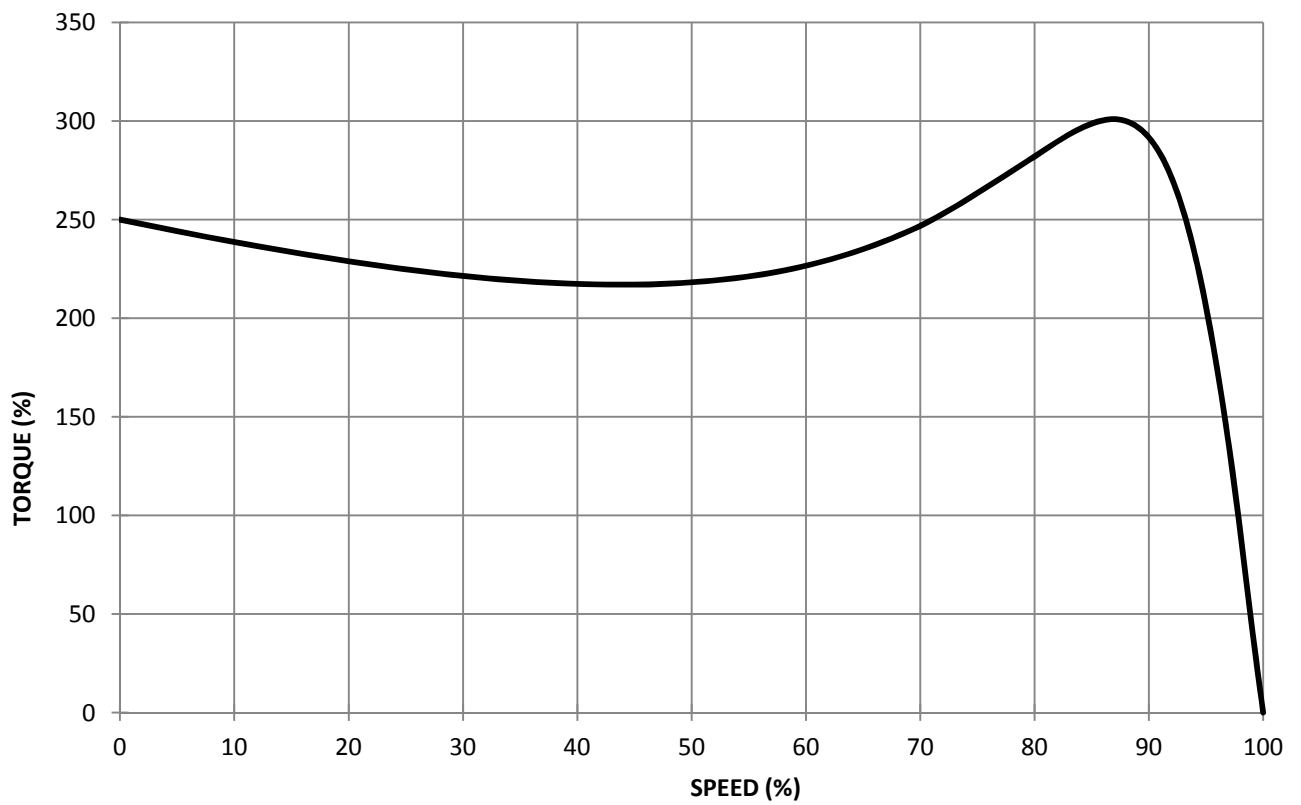
Prep.: Engg

Chkd.:

Date:

Date:

TORQUE SPEED CURVE



LOAD-EFFICIENCY-POWER FACTOR CURVE

