

No. of Phases		3	Reference	Performance	IS:325	
Frame Designation		90 FLP	Standard	Enclosure	IS:60079-1	
Rated Output	kW	0.55	Protection IS:4691		IP 55	
	HP	0.75	Vibration Standard		IS:12075	
No. of Poles		8	Noise Standard		IS:12065	
Rated Voltage		V	415	Duty		S1
Rated Frequency		Hz	50	Insulation Class		F
Rated Current		A	1.85	Cooling IS:6362		IC411
Rated Speed		rpm	690	Terminal Box Details	Terminal Size	M4
Rated Torque		kgm	0.78		No. of Terminal	6
Efficiency	Full load	%	67.0	Bearing Data	Max. cable size	mm <sup>2</sup> 1x3Cx4.0
	3/4 load	%	66.0		DE	6205ZZ
	1/2 load	%	61.0		NDE	6205ZZ
Power factor	Full load		0.62	Lubrication	Prelubricated	
	3/4 load		0.53	Life L10 (Direct coupled)	hrs. 50,000	
	1/2 load		0.43	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 <sup>2</sup>	kgm <sup>2</sup>	0.0122
Tropicalised? (Yes/No)			Yes	Ambient Temp.	°C	50
I <sub>st</sub> / I <sub>r</sub>		%	3.5	Overall Dimensions of Packed motor (LxBxH) (mm)		
T <sub>st</sub> / T <sub>r</sub>		%	1.7			
T <sub>po</sub> / T <sub>r</sub>		%	1.9	Voltage Variation ±	%	10
Locked rotor withstand time	Hot	sec	15	Frequency Variation ±	%	5
	Cold	sec	34	Combiend Variation ±	%	10

Remarks: (1) Efficiency class : EFF2  
(2) Motor construction: TEFC

Data subject to tolerance as per IS:12615.

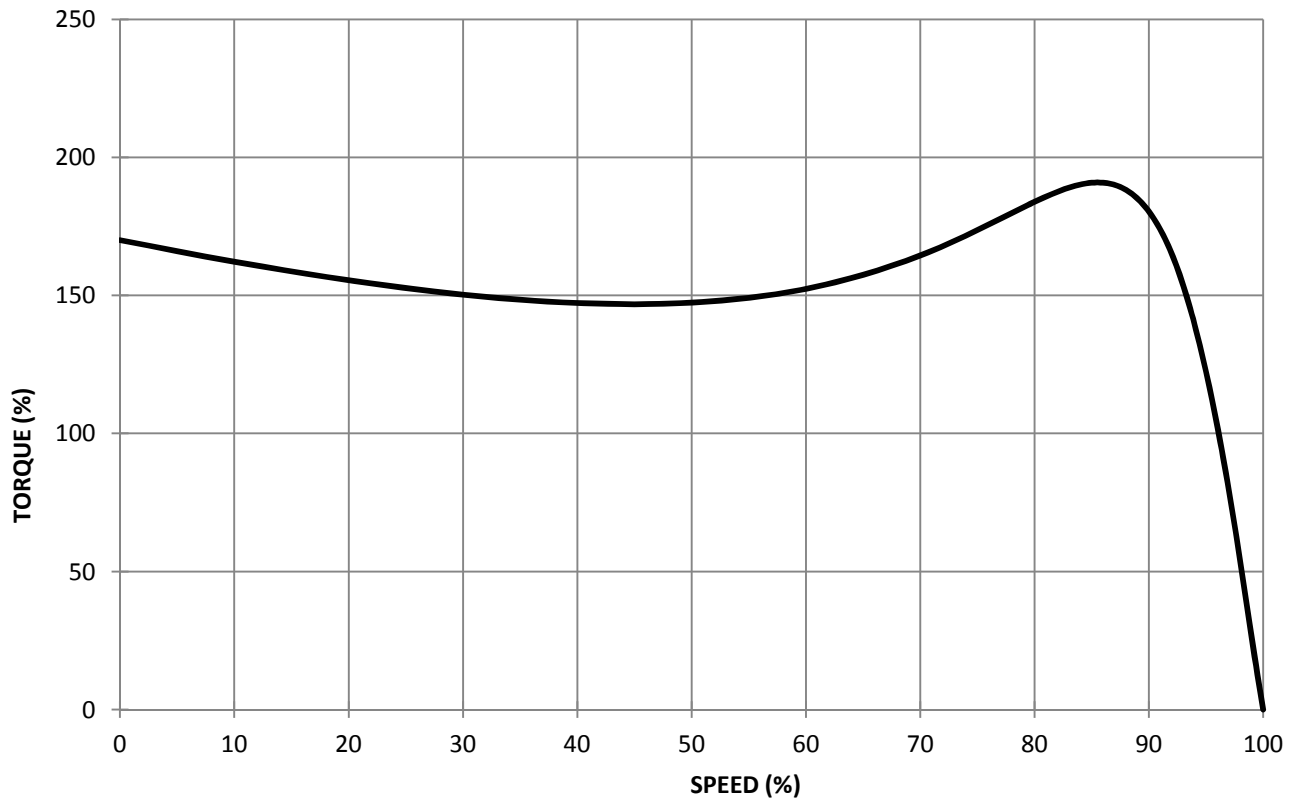
Prep.: ENGG

Chkd.:

Date:

Date:

### TORQUE SPEED CURVE



### LOAD-EFFICIENCY-POWER FACTOR CURVE

