

No. of Phases		3	Reference	Performance	IS:325
Frame Designation		90 FLP	Standard	Enclosure	IS:60079-1
Rated Output	kW	1.50	Protection IS:4691		IP 55
	HP	2.00	Vibration Standard		IS:12075
No. of Poles		2	Noise Standard		IS:12065
Rated Voltage	V	415	Duty		S1
Rated Frequency	Hz	50	Insulation Class		F
Rated Current	A	3.1	Cooling IS:6362		IC411
Rated Speed	rpm	2860	Terminal Box Details	Terminal Size	M4
Rated Torque	kgm	0.51		No. of Terminal	6
Efficiency	Full load	%	78.5	Max. cable size	mm <sup>2</sup> 1x3Cx4.0
	3/4 load	%	75.0	DE	6205ZZ
	1/2 load	%	68.0	NDE	6205ZZ
Power factor	Full load		0.86	Lubrication	Prelubricated
	3/4 load		0.77	Life L10 (Direct coupled)	hrs. 50,000
	1/2 load		0.61	Regreasing Time	hrs. -
Temp. Rise (Res.)	°C	70	Lifting Eyebolt IS:4190		-
Acceleration Time	sec.	-	Motor Weight (approx)	kg	38
Stator Connection		Y	Rotor GD <sup>2</sup>	kgm <sup>2</sup>	0.0072
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	5	Frequency Variation ±	% 5
	Cold	sec	12	Combiend Variation ±	% 10

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

Data subject to tolerance as per IS:12615.

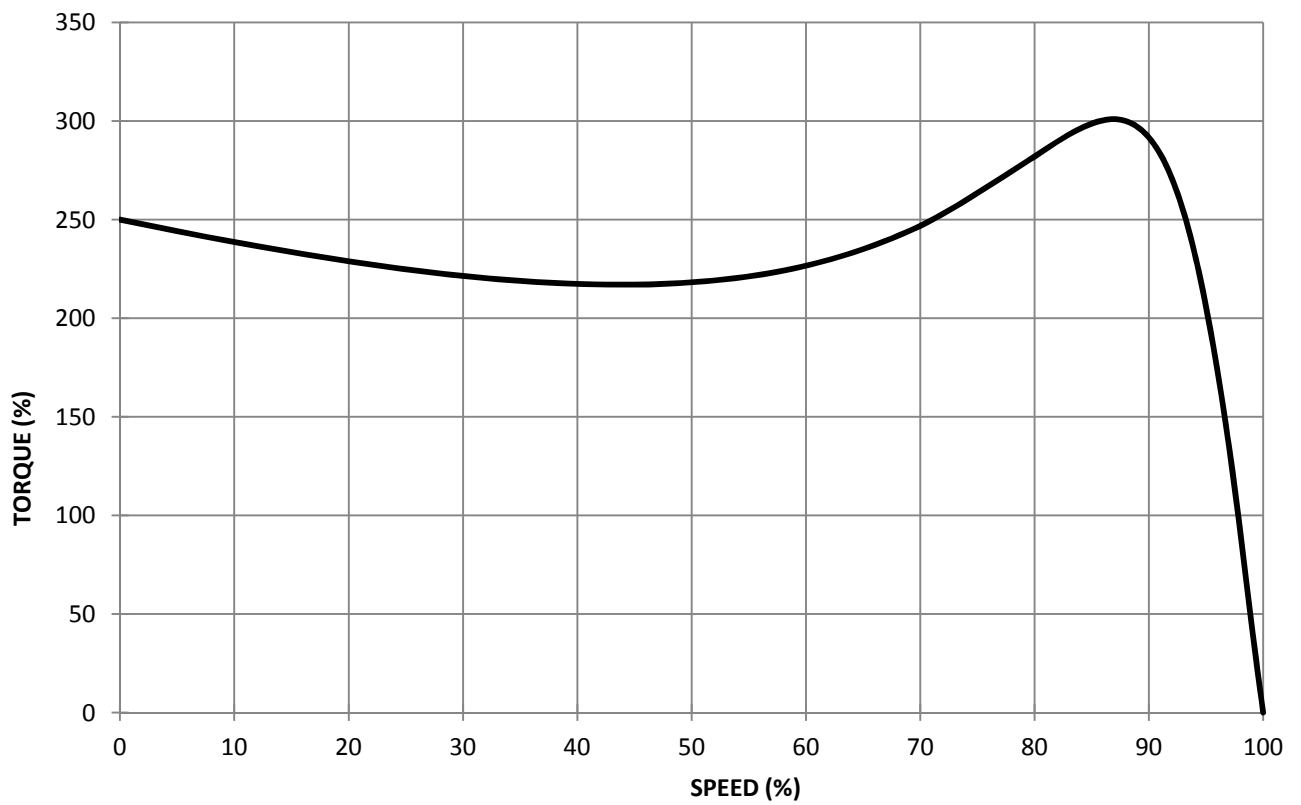
Prep.: ENGG

Chkd.:

Date:

Date:

### TORQUE SPEED CURVE



### LOAD-EFFICIENCY-POWER FACTOR CURVE

