

No. of Phases		3	Reference	Performance	IS:325
Frame Designation		80 FLP	Standard	Enclosure	IS:60079-1
Rated Output	kW	0.18	Protection IS:4691		IP 55
	HP	0.25	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	0.80	Cooling IS:6362		IC411
Rated Speed	rpm	685	Terminal Box Details	Terminal Size	M4
Rated Torque	kgm	0.26		No. of Terminal	6
Efficiency	Full load	%	54.0	Max. cable size	mm ² 1x3Cx4.0
	3/4 load	%	49.0	DE	6204ZZ
	1/2 load	%	41.0	NDE	6204ZZ
Power factor	Full load		0.58	Lubrication	Prelubricated
	3/4 load		0.49	Life L10 (Direct coupled)	hrs. 50,000
	1/2 load		0.40	Regreasing Time	hrs. -
Temp. Rise (Res.)	°C	70	Lifting Eyebolt IS:4190		-
Acceleration Time	sec.	-	Motor Weight (approx)	kg	28
Stator Connection		Y	Rotor GD ²	kgm ²	0.0049
Tropicalised? (Yes/No)		Yes	Ambient Temp.	°C	50
I _{st} / I _r	%	3.0	Overall Dimensions of Packed motor (LxBxH) (mm)		
T _{st} / T _r	%	1.6			
T _{po} / T _r	%	1.8	Voltage Variation ±	%	10
Locked rotor withstand time	Hot	sec	20	Frequency Variation ±	% 5
	Cold	sec	44	Combiend Variation ±	% 10

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

Data subject to tolerance as per IS:12615.

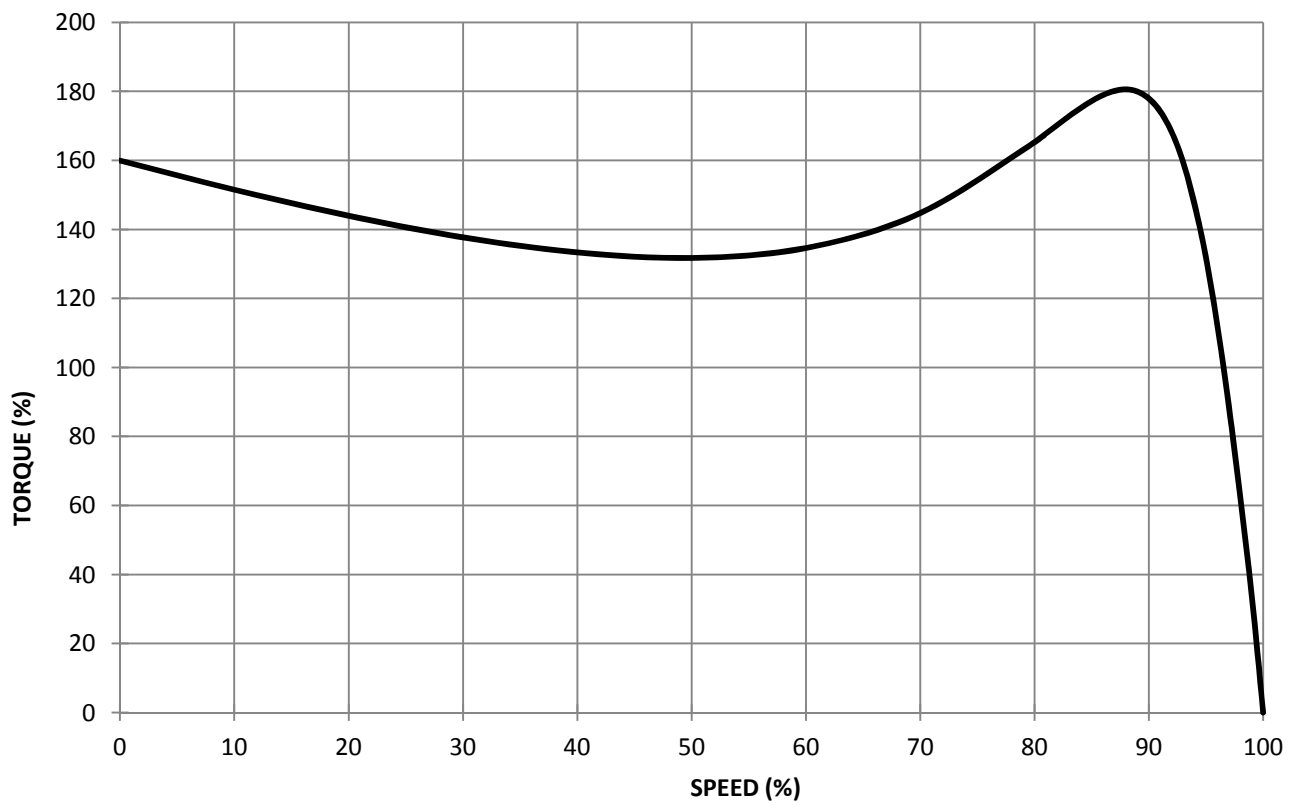
Prep.: ENGG

Chkd.:

Date:

Date:

TORQUE SPEED CURVE



LOAD-EFFICIENCY-POWER FACTOR CURVE

