

No. of Phases		3	Reference	Performance	IS:12615
Frame Designation		280MX FLP	Standard	Enclosure	IS:60079-1
Rated Output	kW	55.00	Protection IS:4691		IP 55
	HP	75.00	Vibration Standard		IS:12075
No. of Poles		6	Noise Standard		IS:12065
Rated Voltage	V	415	Duty		S1
Rated Frequency	Hz	50	Insulation Class		F
Rated Current	A	95.0	Cooling IS:6362		IC411
Rated Speed	rpm	984	Terminal Box Details	Terminal Size	M12
Rated Torque	kgm	54.44		No. of Terminal	6
Efficiency	Full load	%		94.1	Max. cable size
	3/4 load	%	94.1	DE	6317
	1/2 load	%	93.2	NDE	6317
Power factor	Full load		0.86	Lubrication	Mobil / Unirex N3
	3/4 load		0.84	Life L10 (Direct coupled)	hrs. 50,000
	1/2 load		0.77	Regreasing Time	hrs. 5,000
Temp. Rise (Res.)	°C	70	Lifting Eyebolt IS:4190		M20
Acceleration Time	sec.	-	Motor Weight (approx)	kg	800
Stator Connection		D	Rotor GD ²	kgm ²	5.8335
Tropicalised? (Yes/No)		Yes	Ambient Temp.	°C	50
I _{st} / I _r	%	7.0	Overall Dimensions of Packed motor (LxBxH) (mm)		
T _{st} / T _r	%	2.3			
T _{po} / T _r	%	2.5	Voltage Variation ±	%	10
Locked rotor withstand time	Hot	sec	14	Frequency Variation ±	% 5
	Cold	sec	31	Combiend Variation ±	% 10

Remarks: (1) Efficiency Class : IE3
(2) Motor construction: TEFC

Data subject to tolerance as per IS:12615.

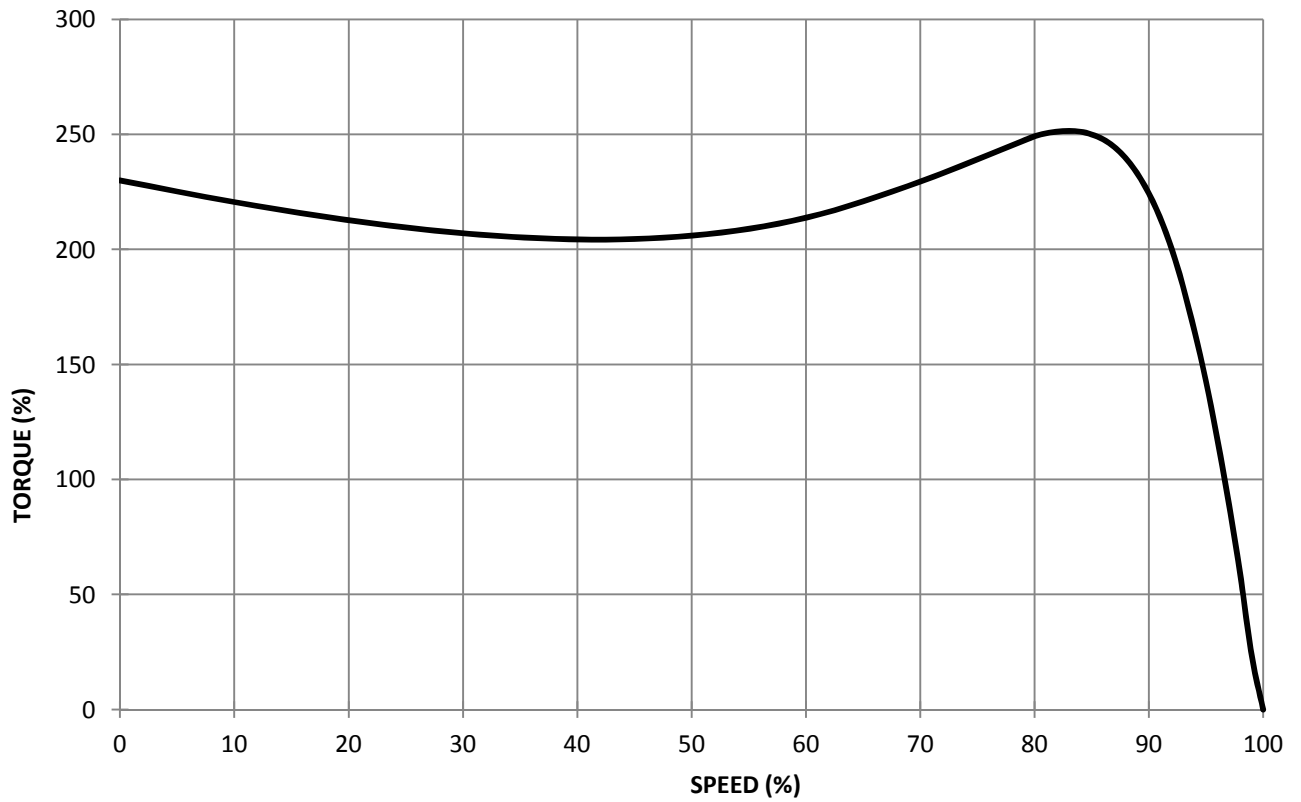
Prep.: Engg

Chkd.:

Date:

Date:

TORQUE SPEED CURVE



LOAD-EFFICIENCY-POWER FACTOR CURVE

