

No. of Phases		3	Reference	Performance	IS:12615
Frame Designation		225MX FLP	Standard	Enclosure	IS:60079-1
Rated Output	kW	45.00	Protection IS:4691		IP 55
	HP	60.00	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	78.0	Cooling IS:6362		IC411
Rated Speed	rpm	1475	Terminal Box Details	Terminal Size	M8
Rated Torque	kgm	29.72		No. of Terminal	6
Efficiency	Full load	%	93.1	Max. cable size	mm ² 2x3Cx70.0
	3/4 load	%	93.1	DE	6313
	1/2 load	%	92.0	NDE	6313
Power factor	Full load		0.86	Lubrication	Mobil / Unirex N3
	3/4 load		0.83	Life L10 (Direct coupled)	hrs. 50,000
	1/2 load		0.77	Regreasing Time	hrs. 8,000
Temp. Rise (Res.)	°C	70	Lifting Eyebolt IS:4190		M16
Acceleration Time	sec.	-	Motor Weight (approx)	kg	418
Stator Connection		D	Rotor GD ²	kgm ²	1.3970
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	%	2.6	Voltage Variation ±	%	10
Locked rotor withstand time	Hot	sec	9	Frequency Variation ±	% 5
	Cold	sec	21	Combiend Variation ±	% 10

Remarks: (1) Efficiency Class : IE2
(2) Motor construction: TEFC

Data subject to tolerance as per IS:12615.

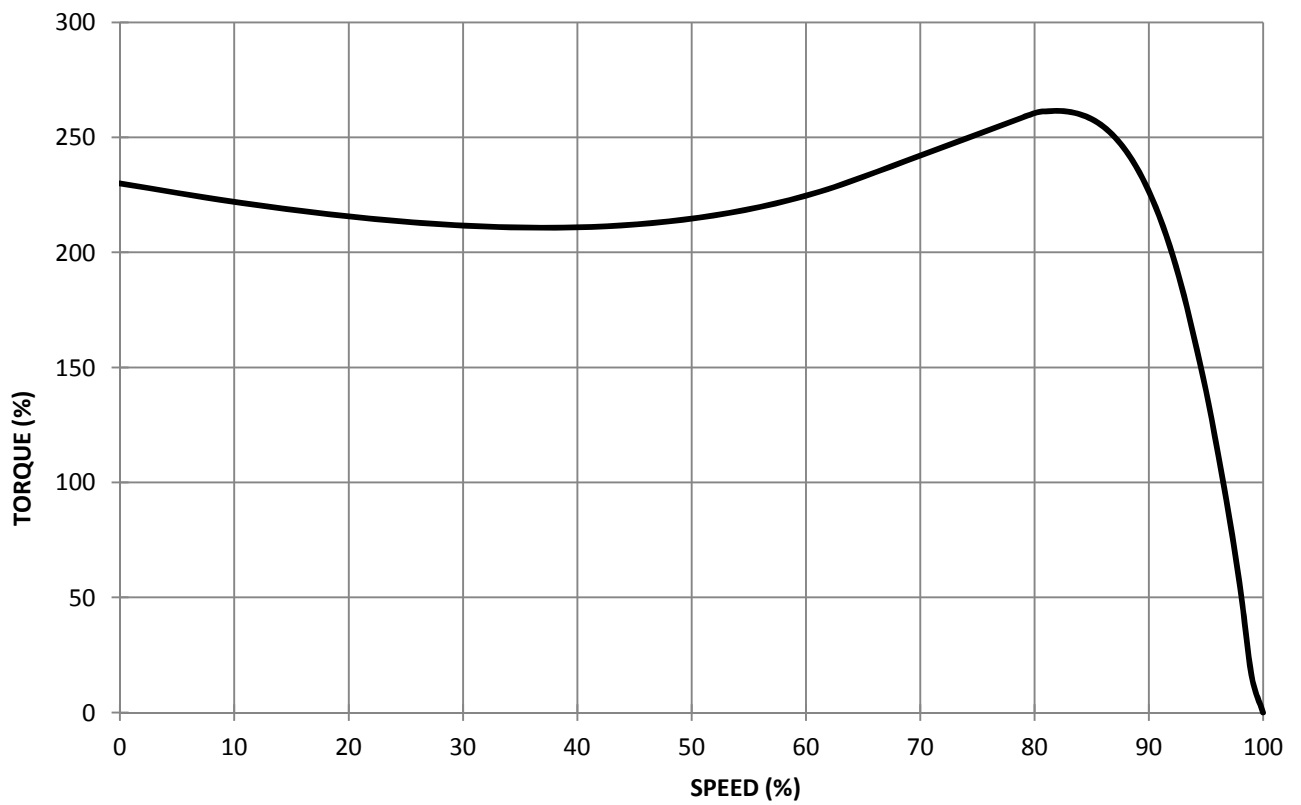
Prep.: Engg

Chkd.:

Date:

Date:

TORQUE SPEED CURVE



LOAD-EFFICIENCY-POWER FACTOR CURVE

