

No. of Phases		3	Reference Standard		IS:12615	
Frame Designation		225MX	Protection IS:4691		IP 55	
Rated Output	kW	45.00	Vibration Standard		IS:12075	
	HP	60.00	Noise Standard		IS:12065	
No. of Poles		4	Duty		S1	
Rated Voltage		V	415	Insulation Class		F
Rated Frequency		Hz	50	Cooling IS:6362		IC411
Rated Current		A	77.8	Terminal Box Details	Type	HM5GN
Rated Speed		rpm	1475		Terminal Size	M8
Rated Torque		kgm	29.72		No. of Terminal	6
Efficiency	Full load	%	94.2	Bearing Data	Max. cable size (Cu) mm ²	2x3Cx70.0
	3/4 load	%	94.2		DE	6313
	1/2 load	%	93.2		NDE	6313
Power factor	Full load		0.85	Lubrication	Mobil / Unirex N3	
	3/4 load		0.82	Life L10 (Direct Coupled) hrs.	50,000	
	1/2 load		0.74	Regreasing Time hrs.	8,000	
Max. Temp. Rise (Res.)		°C	70	Lifting Eyebolt		M16
Acceleration Time		sec.	-	Motor Weight (approx) kg		390.0
Stator Connection			D	Rotor GD ² kgm ²		1.6299
Tropicalised? (Yes / No)			Yes	Ambient Temp. °C		50
I _{st} / I _r			7.5	Overall Dimensions of Packed motor (LxBxH) (mm)		
T _{st} / T _r			2.5			
T _{po} / T _r			2.8	Voltage Variation ± %		10
Locked rotor withstand time	Hot	sec.	11	Frequency Variation ± %		5
	Cold	sec.	25	Combiend Variation ± %		10

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

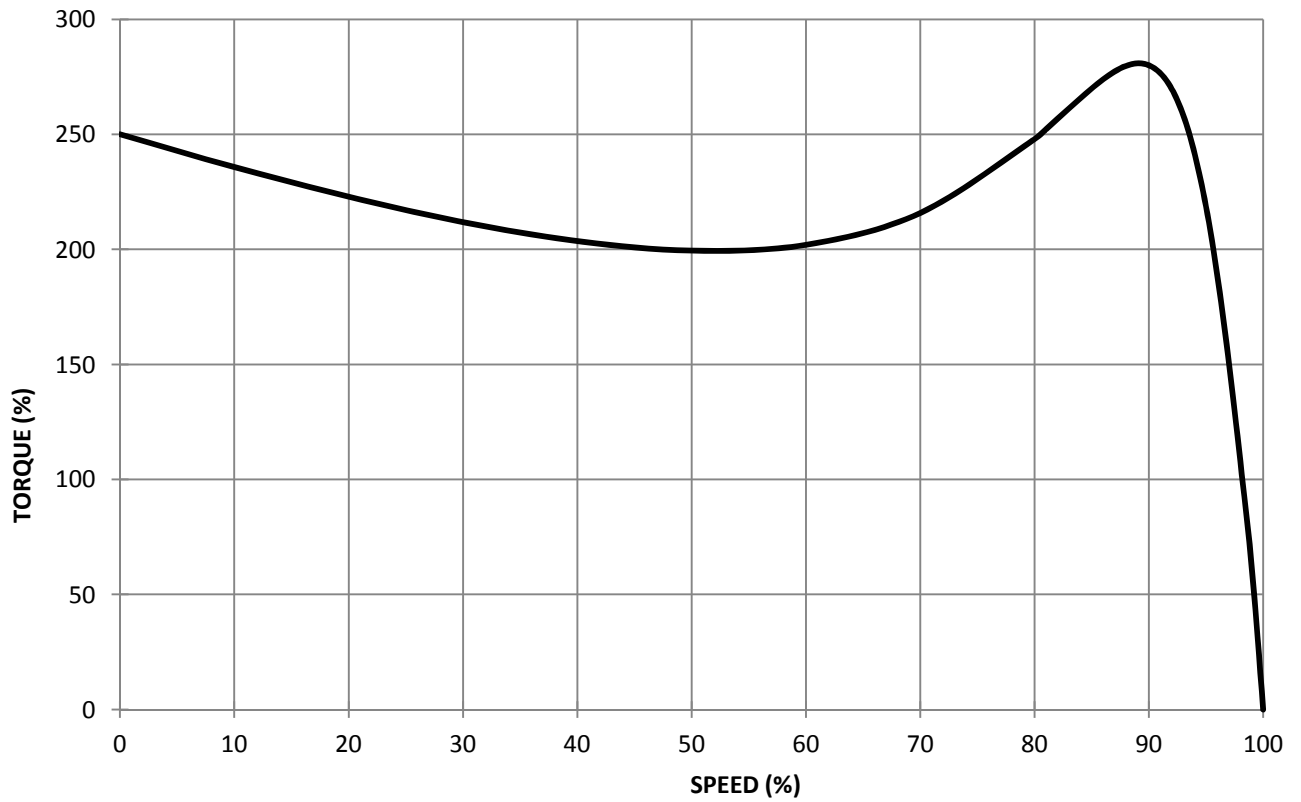
Data subject to tolerance as per IEC 60034-1

Prep.: Engg

Chkd.:

Date:

Date:



LOAD-EFFICIENCY-POWER FACTOR CURVE

