

No. of Phases		3	Reference Standard		IS:12615	
Frame Designation		280MX	Protection IS:4691		IP 55	
Rated Output	kW	90.00	Vibration Standard		IS:12075	
	HP	120.00	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	150.0	Terminal Box Details	Type	HM6GN
Rated Speed		rpm	1482		Terminal Size	M12
Rated Torque		kgm	59.15		No. of Terminal	6
Efficiency	Full load	%	95.2	Bearing Data	Max. cable size (Cu) mm ²	2x3Cx150.0
	3/4 load	%	95.2		DE	6317
	1/2 load	%	94.0		NDE	6317
Power factor	Full load		0.88	Lubrication	Mobil / Unirex N3	
	3/4 load		0.85	Life L10 (Direct Coupled) hrs.	50,000	
	1/2 load		0.77	Regreasing Time hrs.	5,000	
Max. Temp. Rise (Res.)		°C	70	Lifting Eyebolt		M20
Acceleration Time		sec.	-	Motor Weight (approx) kg		640.0
Stator Connection			D	Rotor GD ² kgm ²		5.1192
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			2.2			
T _{po} / T _r			2.5	Voltage Variation ± %		10
Locked rotor withstand time	Hot	sec.	13	Frequency Variation ± %		5
	Cold	sec.	30	Combiend Variation ± %		10

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

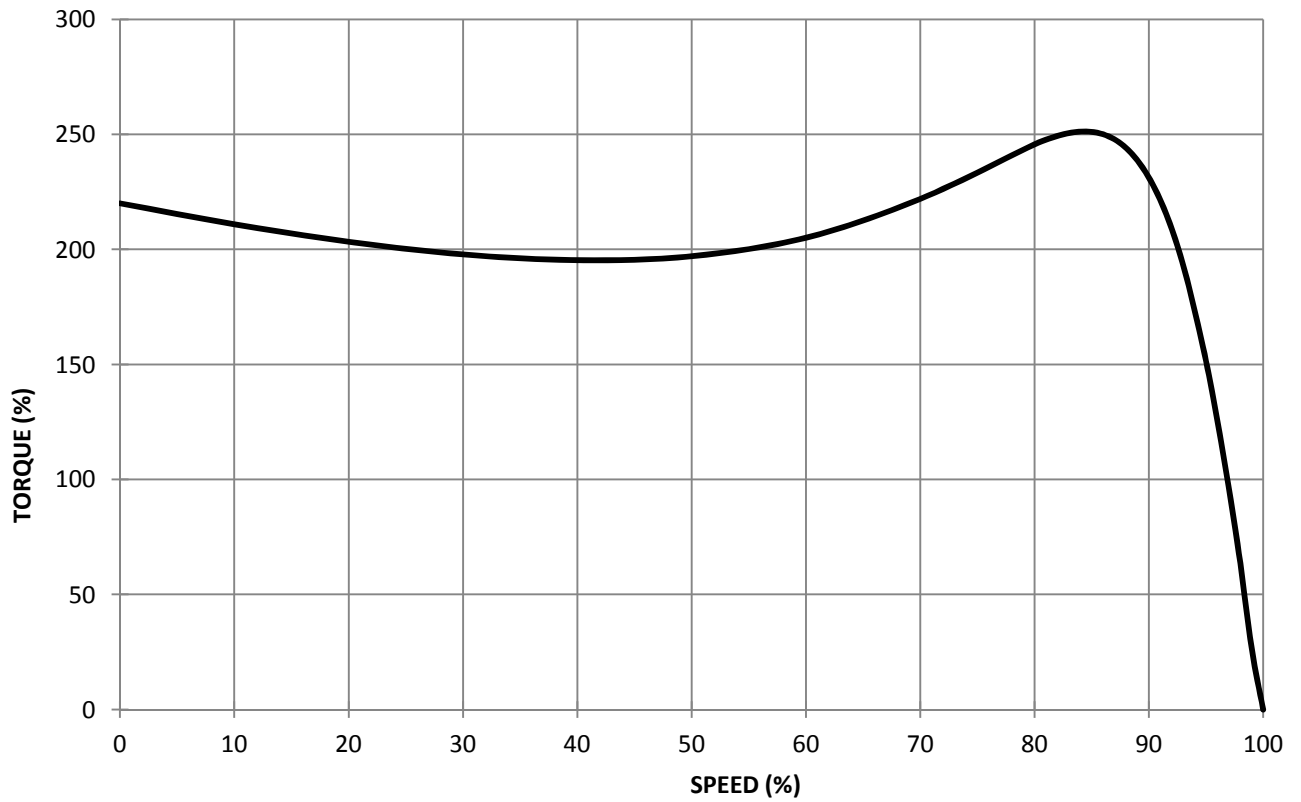
Data subject to tolerance as per IEC 60034-1

Prep.: Engg

Chkd.:

Date:

Date:



LOAD-EFFICIENCY-POWER FACTOR CURVE

