

No. of Phases		3	Reference Standard		IS:12615	
Frame Designation		280MX	Protection IS:4691		IP 55	
Rated Output	kW	55.00	Vibration Standard		IS:12075	
	HP	75.00	Noise Standard		IS:12065	
No. of Poles		6	Duty		S1	
Rated Voltage		V	415	Insulation Class		F
Rated Frequency		Hz	50	Cooling IS:6362		IC411
Rated Current		A	98.0	Terminal Box Details	Type	HM6GN
Rated Speed		rpm	983		Terminal Size	M12
Rated Torque		kgm	54.50		No. of Terminal	6
Efficiency	Full load	%	93.1	Bearing Data	Max. cable size (Cu) mm <sup>2</sup>	2x3Cx150.0
	3/4 load	%	93.1		DE	6317
	1/2 load	%	89.7		NDE	6317
Power factor	Full load		0.84	Lubrication	Mobil / Unirex N3	
	3/4 load		0.81	Life L10 (Direct Coupled) hrs.	50,000	
	1/2 load		0.73	Regreasing Time hrs.	5,000	
Max. Temp. Rise (Res.)		°C	70	Lifting Eyebolt		M20
Acceleration Time		sec.	-	Motor Weight (approx) kg		590.0
Stator Connection			D	Rotor GD <sup>2</sup> kgm <sup>2</sup>		4.8613
Tropicalised? (Yes / No)			Yes	Ambient Temp. °C		50
I <sub>st</sub> / I <sub>r</sub>			7.0	Overall Dimensions of Packed motor (LxBxH) (mm)		
T <sub>st</sub> / T <sub>r</sub>			2.2			
T <sub>po</sub> / T <sub>r</sub>			2.4	Voltage Variation ± %		10
Locked rotor withstand time	Hot	sec.	7	Frequency Variation ± %		5
	Cold	sec.	16	Combiend Variation ± %		10

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

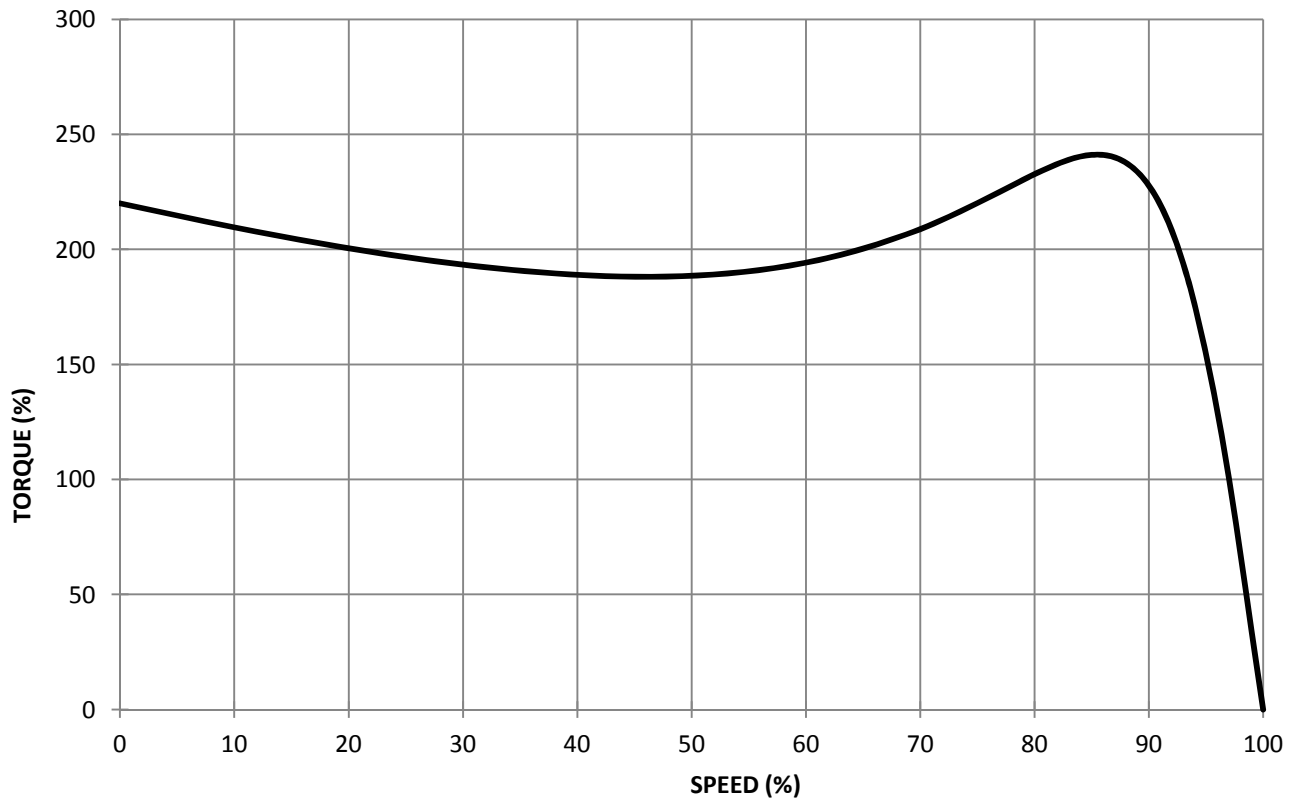
Data subject to tolerance as per IEC 60034-1

Prep.: Engg

Chkd.:

Date:

Date:



LOAD-EFFICIENCY-POWER FACTOR CURVE

