

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	95.0		Terminal Box Details	
Rated Speed		rpm	984			Type HM6GN
Rated Torque		kgm	54.44			Terminal Size M12
Efficiency	Full load	%	94.1		No. of Terminal 6	
	3/4 load	%	94.1		Max. cable size (Cu) mm ² 2x3Cx150.0	
	1/2 load	%	93.2		DE 6317	
Power factor	Full load		0.86		NDE 6317	
	3/4 load		0.84		Lubrication Mobil / Unirex N3	
	1/2 load		0.77		Life L10 (Direct Coupled) hrs. 50,000	
Max. Temp. Rise (Res.)		°C	70		Bearing Data Regreasing Time hrs. 5,000	
Acceleration Time		sec.	-		Lifting Eyebolt M20	
Stator Connection			D		Motor Weight (approx) kg 600.0	
Tropicalised? (Yes / No)			Yes		Rotor GD ² kgm ² 5.8335	
Ambient Temp.		°C	50		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			
Locked rotor withstand time	Hot	sec.	14		Voltage Variation ± % 10	
	Cold	sec.	31		Frequency Variation ± % 5	
					Combiend Variation ± % 10	

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

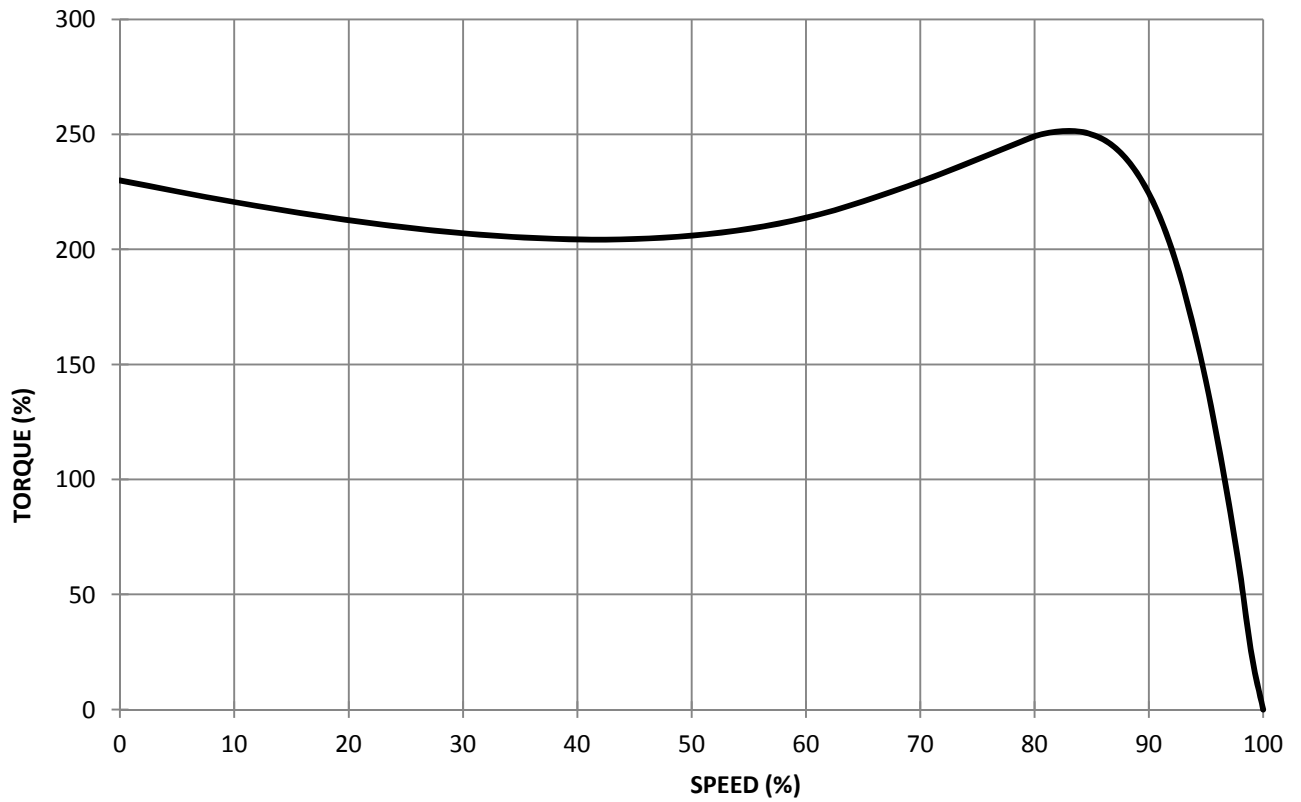
Data subject to tolerance as per IEC 60034-1

Prep.: Engg

Chkd.:

Date:

Date:



LOAD-EFFICIENCY-POWER FACTOR CURVE

