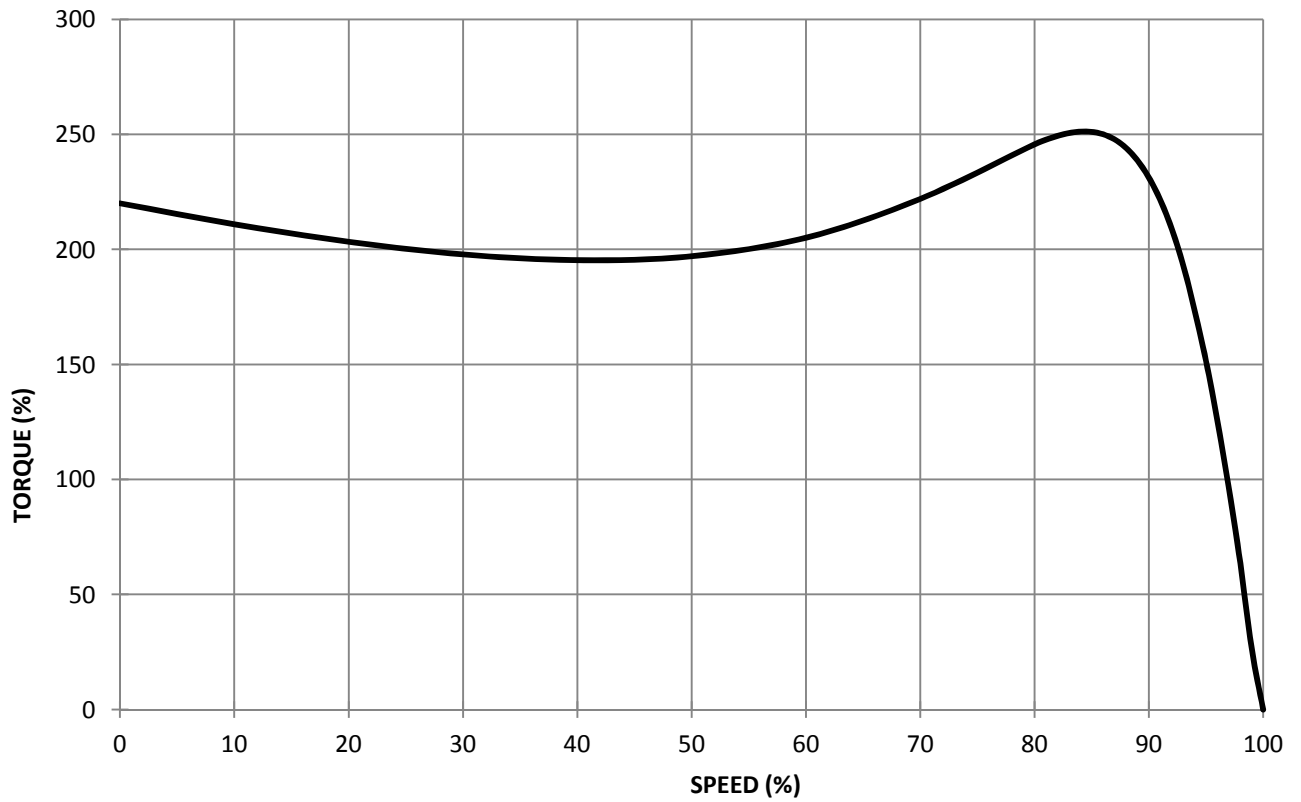


No. of Phases		3	Reference Standard		IS:12615	
Frame Designation		280MX	Protection IS:4691		IP 55	
Rated Output	kW	90.00	Vibration Standard		IS:12075	
	HP	120.00	Noise Standard		IS:12065	
No. of Poles		4	Duty		S1	
Rated Voltage		V	415	Insulation Class		F
Rated Frequency		Hz	50	Cooling IS:6362		IC411
Rated Current		A	152.0	Terminal Box Details	Type	HM6GN
Rated Speed		rpm	1482		Terminal Size	M12
Rated Torque		kgm	59.15		No. of Terminal	6
Efficiency	Full load	%	94.2	Bearing Data	Max. cable size (Cu)	mm ² 2x3Cx150.0
	3/4 load	%	94.2		DE	6317
	1/2 load	%	93.5		NDE	6317
Power factor	Full load		0.87	Lubrication	Mobil / Unirex N3	
	3/4 load		0.84	Life L10 (Direct Coupled)	hrs.	50,000
	1/2 load		0.80	Regreasing Time	hrs.	5,000
Max. Temp. Rise (Res.)		°C	70	Lifting Eyebolt		M20
Acceleration Time		sec.	-	Motor Weight (approx)		kg 610.0
Stator Connection			D	Rotor GD ²		kgm ² 4.1594
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			2.2			
T _{po} / T _r			2.5	Voltage Variation ±		% 10
Locked rotor withstand time	Hot	sec.	10	Frequency Variation ±		% 5
	Cold	sec.	23	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

