

No. of Phases		3		Reference	Performance	IS:12615		
Frame Designation		280MX FLP		Standard	Enclosure	IS:60079-1		
Rated Output	kW	55.00		Protection IS:4691		IP 55		
	HP	75.00		Vibration Standard		IS:12075		
No. of Poles		6		Noise Standard		IS:12065		
Rated Voltage		V	415		Duty		S1	
Rated Frequency		Hz	50		Insulation Class		F	
Rated Current		A	98.0		Cooling IS:6362		IC411	
Rated Speed		rpm	983		Terminal Box Details	Terminal Size		M12
Rated Torque		kgm	54.50			No. of Terminal		6
Efficiency	Full load	%	93.1		Bearing Data	Max. cable size		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	
Temp. Rise (Res.)		°C	70		Lifting Eyebolt IS:4190		M20	
Acceleration Time		sec.	-		Motor Weight (approx)		kg 760	
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 IS:12615.

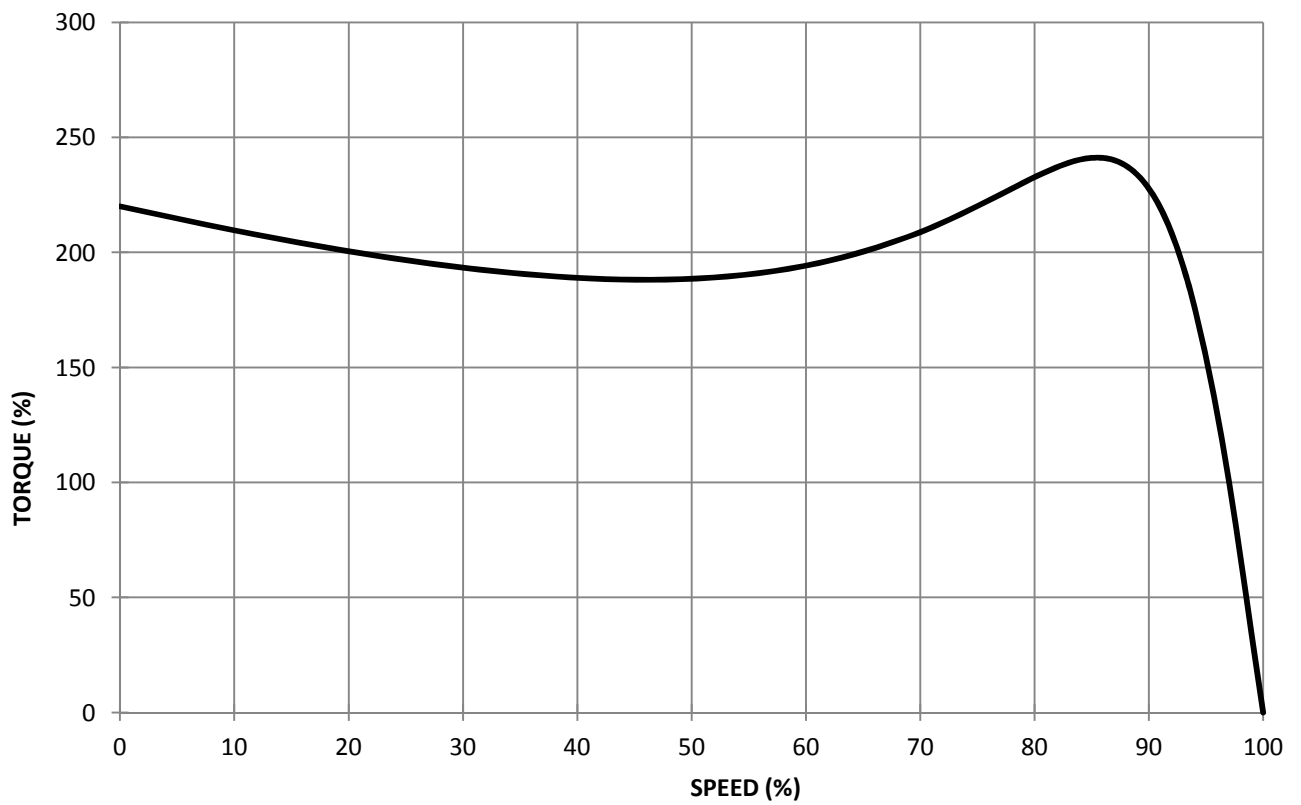
Prep.: Engg

Chkd.:

Date:

Date:

### TORQUE SPEED CURVE



### LOAD-EFFICIENCY-POWER FACTOR CURVE

