

No. of Phases		3		Reference	Performance	IS:325		
Frame Designation		315MX FLP		Standard	Enclosure	IS:60079-1		
Rated Output	kW	90.00		Protection IS:4691		IP 55		
	HP	120.00		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	157.0		Cooling IS:6362		IC411	
Rated Speed		rpm	987		Terminal Box Details	Terminal Size		M12
Rated Torque		kgm	88.81			No. of Terminal		6
Efficiency	Full load	%	94.0		Bearing Data	Max. cable size		mm ² 2x3Cx150
	3/4 load	%	94.0			DE		6319
	1/2 load	%	93.0			NDE		6319
Power factor	Full load		0.85		Lubrication		Mobil / Unirex N3	
	3/4 load		0.84		Life L10 (Direct coupled)		hrs. 50,000	
	1/2 load		0.75		Regreasing Time		hrs. 4,000	
Temp. Rise (Res.)		°C	70		Lifting Eyebolt IS:4190		M24	
Acceleration Time		sec.	-		Motor Weight (approx)		kg 1320	
Stator Connection			D		Rotor GD ²		kgm ² 8.5948	
Tropicalised? (Yes/No)			Yes		Ambient Temp.		°C 50	
I _{st} / I _r		%	6.0		Overall Dimensions of Packed motor (LxBxH) (mm)			
T _{st} / T _r		%	2.1					
T _{po} / T _r		%	2.4					
Locked rotor withstand time	Hot	sec	18		Voltage Variation ±		% 10	
	Cold	sec	40		Frequency Variation ±		% 5	
					Combiend Variation ±		% 10	

Remarks: (1) Efficiency class : EFF2
(2) Motor construction: TEFC

Data subject to tolerance as per IS:12615.

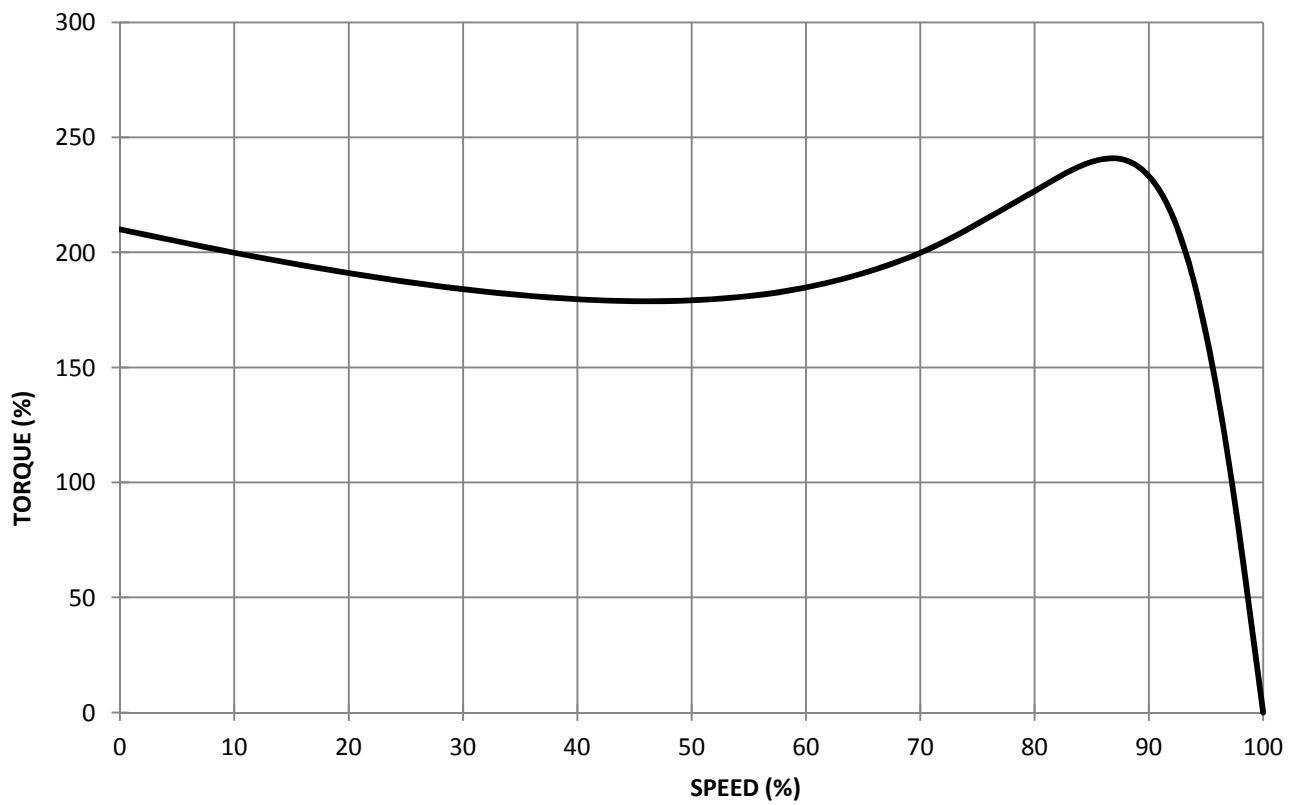
Prep.: ENGG

Chkd.:

Date:

Date:

TORQUE SPEED CURVE



LOAD-EFFICIENCY-POWER FACTOR CURVE

