

No. of Phases		3	Reference	Performance	IS:325
Frame Designation		315LX 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		8	Noise Standard		IS:12065
Rated Voltage		V 415	Duty		S1
Rated Frequency		Hz 50	Insulation Class		F
Rated Current		A 170.0	Cooling IS:6362		IC411
Rated Speed		rpm 737	Terminal Box Details	Terminal Size	M12
Rated Torque		kgm 118.94		No. of Terminal	6
Efficiency	Full load	% 93.5	Bearing Data	Max. cable size	mm ² 2x3Cx150
	3/4 load	% 93.5		DE	6319
	1/2 load	% 92.5		NDE	6319
Power factor	Full load	0.79	Lubrication	Mobil / Unirex N3	
	3/4 load	0.75	Life L10 (Direct coupled)	hrs. 50,000	
	1/2 load	0.66	Regreasing Time	hrs. 4,000	
Temp. Rise (Res.)		°C 70	Lifting Eyebolt IS:4190		M30
Acceleration Time		sec. -	Motor Weight (approx)		kg 1325
Stator Connection		D	Rotor GD ²		kgm ² 10.3731
Tropicalised? (Yes/No)		Yes	Ambient Temp.		°C 50
I _{st} / I _r		% 5.0	Overall Dimensions of Packed motor (LxBxH) (mm)		
T _{st} / T _r		% 2.0			
T _{po} / T _r		% 2.2	Voltage Variation ±		% 10
Locked rotor withstand time	Hot	sec 17	Frequency Variation ±		% 5
	Cold	sec 37	Combiend Variation ±		% 10

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

Data subject to tolerance as per IS:12615.

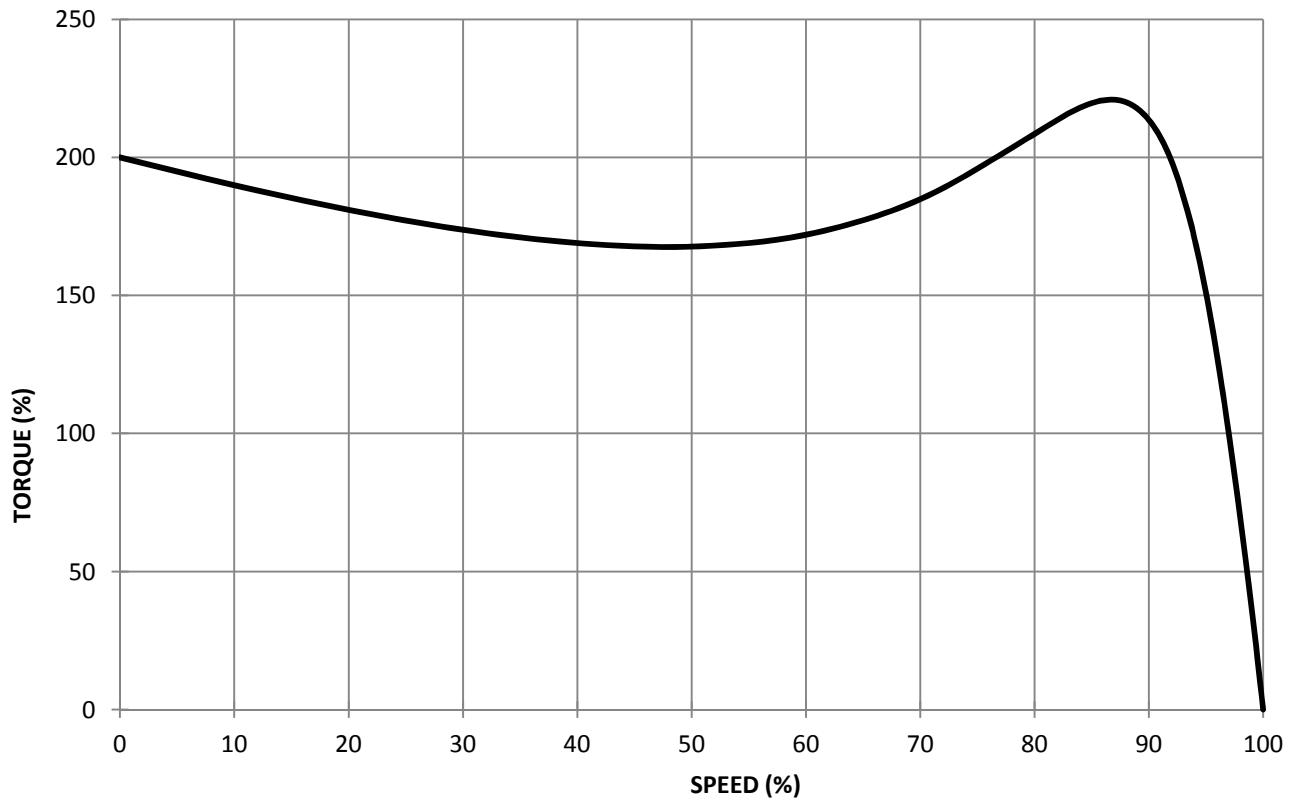
Prep.: ENGG

Chkd.:

Date:

Date:

TORQUE SPEED CURVE



LOAD-EFFICIENCY-POWER FACTOR CURVE

