

No. of Phases		3	Reference	Performance	IS:12615
Frame Designation		160L FLP	Standard	Enclosure	IS:60079-1
Rated Output	kW	15.00	Protection IS:4691		IP 55
	HP	20.00	Vibration Standard		IS:12075
No. of Poles		4	Noise Standard		IS:12065
Rated Voltage	V	415	Duty		S1
Rated Frequency	Hz	50	Insulation Class		F
Rated Current	A	27.5	Cooling IS:6362		IC411
Rated Speed	rpm	1455	Terminal Box Details	Terminal Size	M6
Rated Torque	kgm	10.04		No. of Terminal	6
Efficiency	Full load	%	90.6	Max. cable size	mm <sup>2</sup> 2x3Cx25.0
	3/4 load	%	90.6	DE	6309ZZ
	1/2 load	%	89.0	NDE	6309ZZ
Power factor	Full load		0.84	Lubrication	Prelubricated
	3/4 load		0.80	Life L10 (Direct coupled)	hrs. 50,000
	1/2 load		0.73	Regreasing Time	hrs. -
Temp. Rise (Res.)	°C	70	Lifting Eyebolt IS:4190		M12
Acceleration Time	sec.	-	Motor Weight (approx)	kg	186
Stator Connection		D	Rotor GD <sup>2</sup>	kgm <sup>2</sup>	0.2573
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>	%	2.6	Voltage Variation ±	%	10
Locked rotor withstand time	Hot	sec	6	Frequency Variation ±	% 5
	Cold	sec	13	Combiend Variation ±	% 10

Remarks: (1) Efficiency Class : IE2  
(2) Motor construction: TEFC

Data subject to tolerance as per IS:12615.

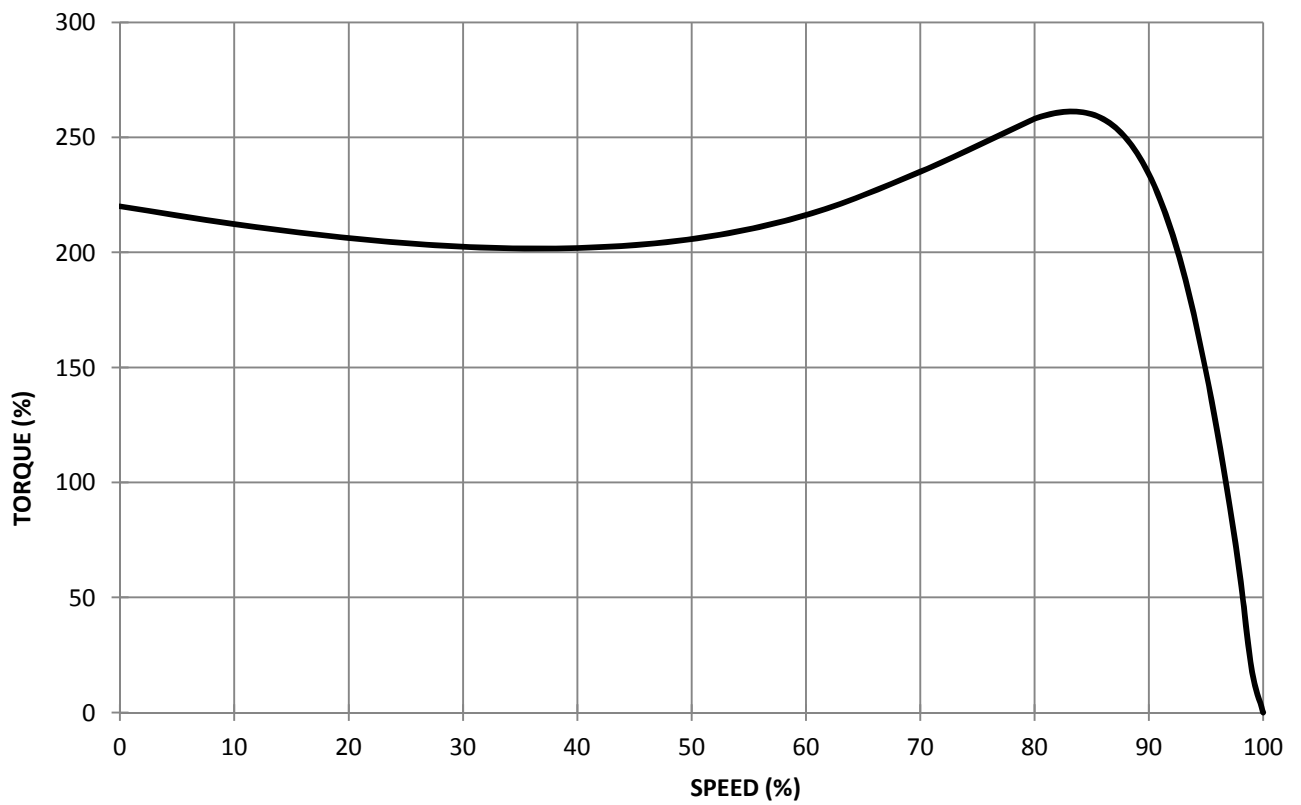
Prep.: Engg

Chkd.:

Date:

Date:

### TORQUE SPEED CURVE



### LOAD-EFFICIENCY-POWER FACTOR CURVE

