

No. of Phases		3	Reference Standard		IS:12615	
Frame Designation		160L	Protection IS:4691		IP 55	
Rated Output	kW	18.50	Vibration Standard		IS:12075	
	HP	25.00	Noise Standard		IS:12065	
No. of Poles		2	Duty		S1	
Rated Voltage		V	415	Insulation Class		F
Rated Frequency		Hz	50	Cooling IS:6362		IC411
Rated Current		A	32.0	Terminal Box Details	Type	HM4GN
Rated Speed		rpm	2940		Terminal Size	M6
Rated Torque		kgm	6.13		No. of Terminal	6
Efficiency	Full load	%	90.9	Bearing Data	Max. cable size (Cu)	mm <sup>2</sup> 2x3Cx25.0
	3/4 load	%	90.9		DE	6309ZZ
	1/2 load	%	87.0		NDE	6209ZZ
Power factor	Full load		0.88	Lubrication	Prelubricated	
	3/4 load		0.85	Life L10 (Direct Coupled)	hrs. 50,000	
	1/2 load		0.80	Regreasing Time	hrs. -	
Max. Temp. Rise (Res.)		°C	70	Lifting Eyebolt		M12
Acceleration Time		sec.	-	Motor Weight (approx)		kg 125.0
Stator Connection			D	Rotor GD <sup>2</sup>		kgm <sup>2</sup> 0.1974
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>			2.3			
T <sub>po</sub> / T <sub>r</sub>			2.8	Voltage Variation ±		% 10
Locked rotor withstand time	Hot	sec.	5	Frequency Variation ±		% 5
	Cold	sec.	12	Combiend Variation ±		% 10

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

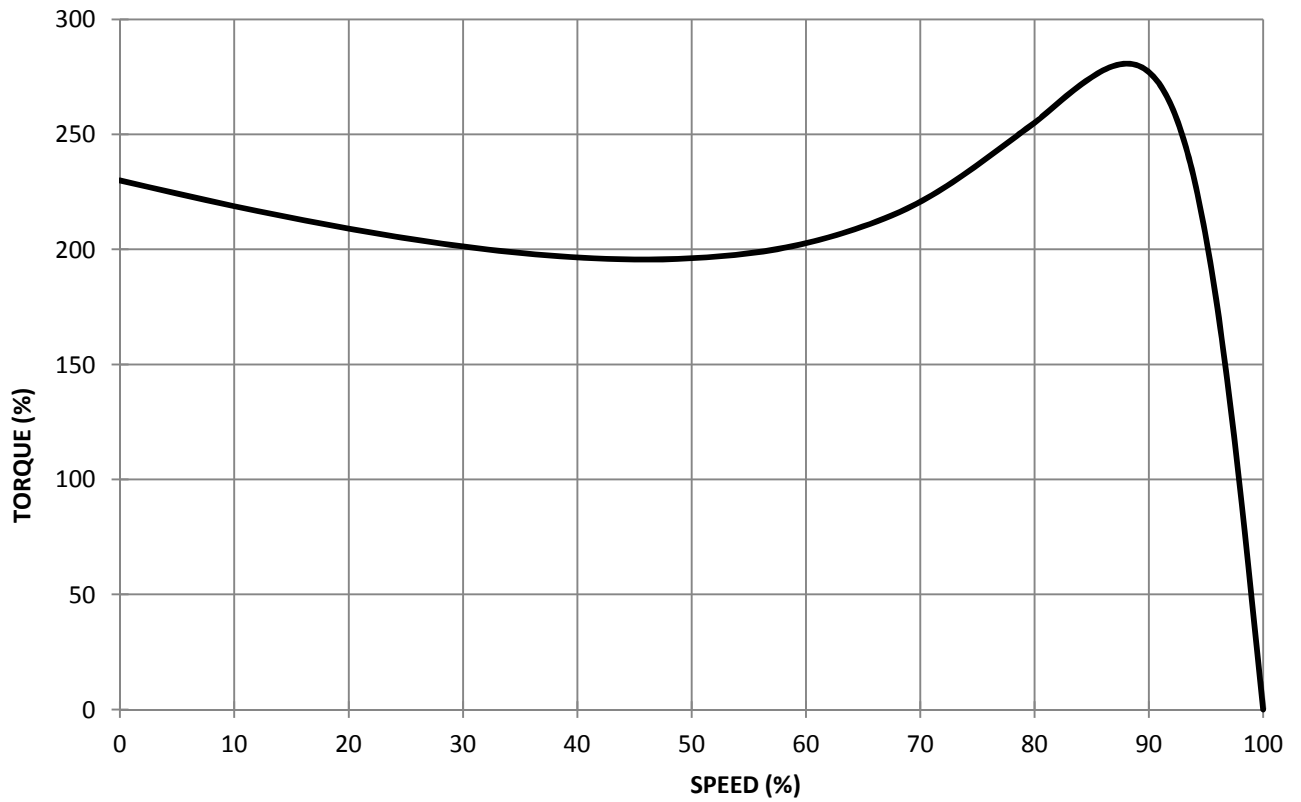
Data subject to tolerance as per IEC 60034-1

Prep.: Engg

Chkd.:

Date:

Date:



LOAD-EFFICIENCY-POWER FACTOR CURVE

EP2 166-02

