

No. of Phases		3	Reference Standard		IS:12615	
Frame Designation		100L	Protection IS:4691		IP 55	
Rated Output	kW	3.70	Vibration Standard		IS:12075	
	HP	5.00	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	7.2	Terminal Box Details	Type	HM3GN
Rated Speed		rpm	2900		Terminal Size	M5
Rated Torque		kgm	1.24		No. of Terminal	6
Efficiency	Full load	%	85.5	Bearing Data	Max. cable size (Cu) mm <sup>2</sup>	2x3Cx10.0
	3/4 load	%	85.5		DE	6206ZZ
	1/2 load	%	82.0		NDE	6206ZZ
Power factor	Full load		0.84	Lubrication	Prelubricated	
	3/4 load		0.81	Life L10 (Direct Coupled) hrs.	50,000	
	1/2 load		0.77	Regreasing Time hrs.	-	
Max. Temp. Rise (Res.)		°C	70	Lifting Eyebolt		M8
Acceleration Time		sec.	-	Motor Weight (approx) kg		30.0
Stator Connection			D	Rotor GD <sup>2</sup> kgm <sup>2</sup>		0.0130
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>			2.4			
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

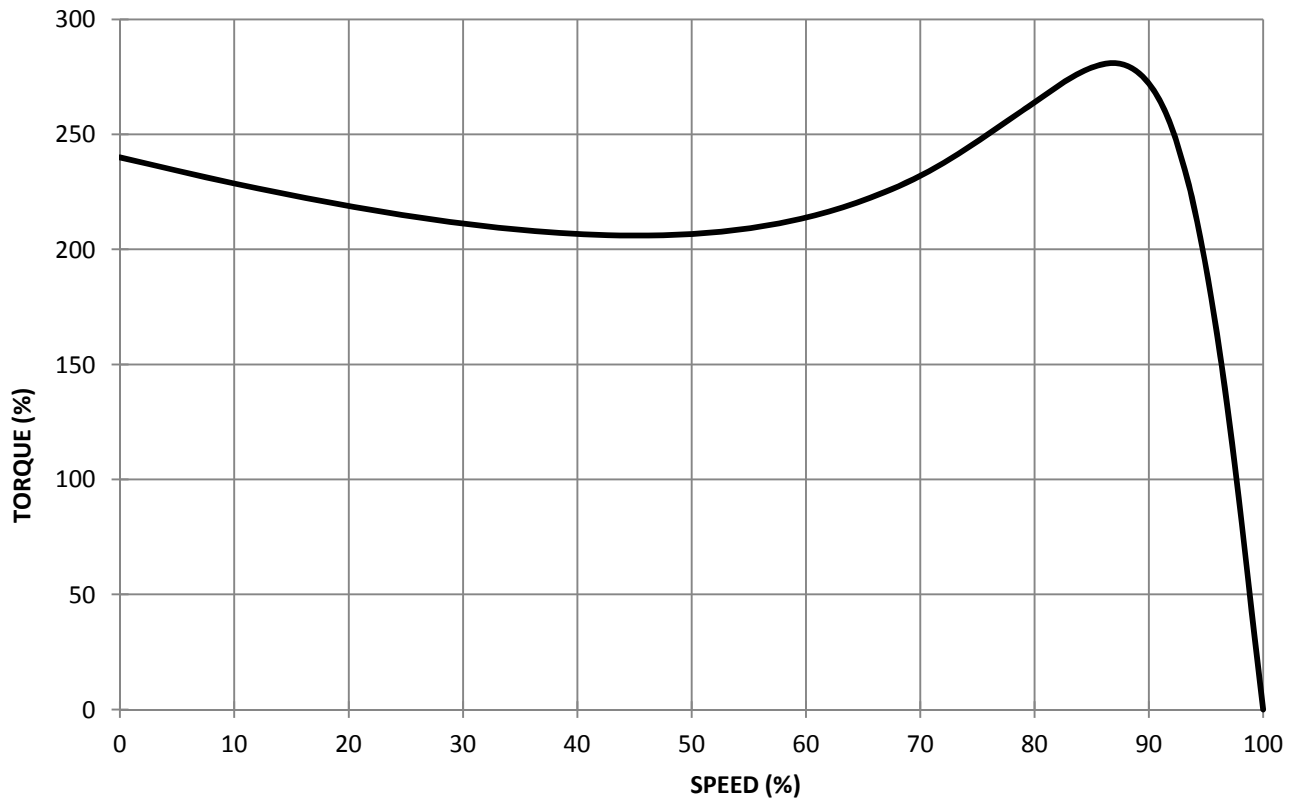
Data subject to tolerance as per IEC 60034-1

Prep.: Engg

Chkd.:

Date:

Date:



LOAD-EFFICIENCY-POWER FACTOR CURVE

