

No. of Phases		3	Reference Standard		IS:12615
Frame Designation		250M	Protection IS:4691		IP 55
Rated Output	kW	55.00	Vibration Standard		IS:12075
	HP	75.00	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 89.0	Terminal Box Details	Type	HM5GN
Rated Speed		rpm 2960		Terminal Size	M8
Rated Torque		kgm 18.10		No. of Terminal	6
Efficiency	Full load	%	94.3	Max. cable size (Cu)	mm ² 2x3Cx70.0
	3/4 load	%	94.3	DE	6315
	1/2 load	%	93.0	NDE	6315
Power factor	Full load		0.91	Lubrication	Mobil / Unirex N3
	3/4 load		0.90	Life L10 (Direct Coupled)	hrs. 50,000
	1/2 load		0.86	Regreasing Time	hrs. 2,500
Max. Temp. Rise (Res.)		°C 70	Lifting Eyebolt		M16
Acceleration Time		sec. -	Motor Weight (approx)		kg 373.0
Stator Connection		D	Rotor GD ²		kgm ² 1.0690
Tropicalised? (Yes / No)		Yes	Ambient Temp.		°C 50
I _{st} / I _r		7.0	Overall Dimensions of Packed motor (LxBxH) (mm)		
T _{st} / T _r		2.0			
T _{po} / T _r		2.5	Voltage Variation ±		% 10
Locked rotor withstand time	Hot	sec. 25	Frequency Variation ±		% 5
	Cold	sec. 55	Combiend Variation ±		% 10

Remarks: (1) Efficiency Class : IE3
(2) Motor Construction : TEFC

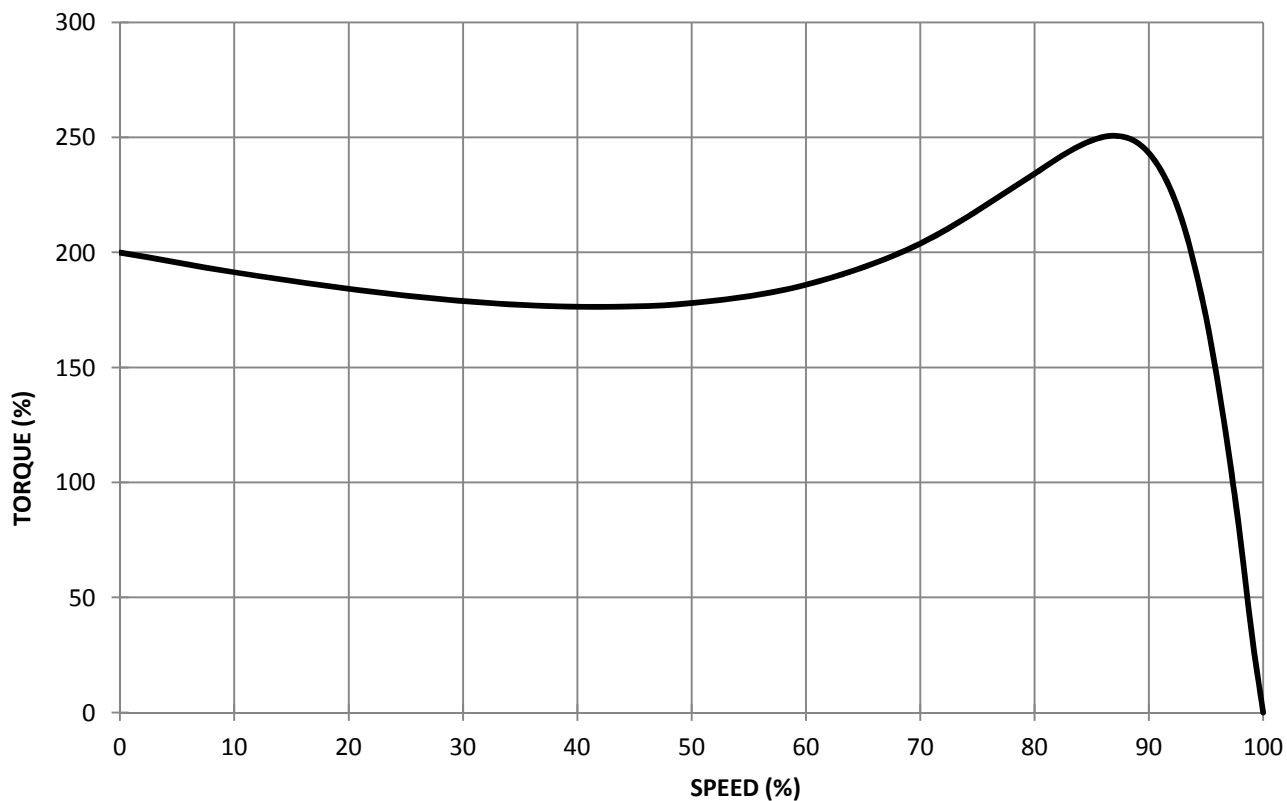
Data subject to tolerance as per IEC 60034-1

Prep.: Engg

Chkd.:

Date:

Date:



LOAD-EFFICIENCY-POWER FACTOR CURVE

EP3 253-02

