

No. of Phases		3	Reference Standard		IS:12615	
Frame Designation		250MX	Protection IS:4691		IP 55	
Rated Output	kW	55.00	Vibration Standard		IS:12075	
	HP	75.00	Noise Standard		IS:12065	
No. of Poles		4	Duty		S1	
Rated Voltage		V	415	Insulation Class		F
Rated Frequency		Hz	50	Cooling IS:6362		IC411
Rated Current		A	92.0	Terminal Box Details	Type	HM5GN
Rated Speed		rpm	1482		Terminal Size	M8
Rated Torque		kgm	36.15		No. of Terminal	6
Efficiency	Full load	%	94.6	Bearing Data	Max. cable size (Cu) mm ²	2x3Cx70.0
	3/4 load	%	94.6		DE	6315
	1/2 load	%	94.0		NDE	6315
Power factor	Full load		0.88	Lubrication	Mobil / Unirex N3	
	3/4 load		0.86	Life L10 (Direct Coupled) hrs.	50,000	
	1/2 load		0.80	Regreasing Time hrs.	6,000	
Max. Temp. Rise (Res.)		°C	70	Lifting Eyebolt		M16
Acceleration Time		sec.	-	Motor Weight (approx) kg		410.0
Stator Connection			D	Rotor GD ² kgm ²		2.3466
Tropicalised? (Yes / No)			Yes	Ambient Temp. °C		50
I _{st} / I _r			7.5	Overall Dimensions of Packed motor (LxBxH) (mm)		
T _{st} / T _r			2.5			
T _{po} / T _r			2.8	Voltage Variation ± %		10
Locked rotor withstand time	Hot	sec.	8	Frequency Variation ± %		5
	Cold	sec.	19	Combiend Variation ± %		10

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

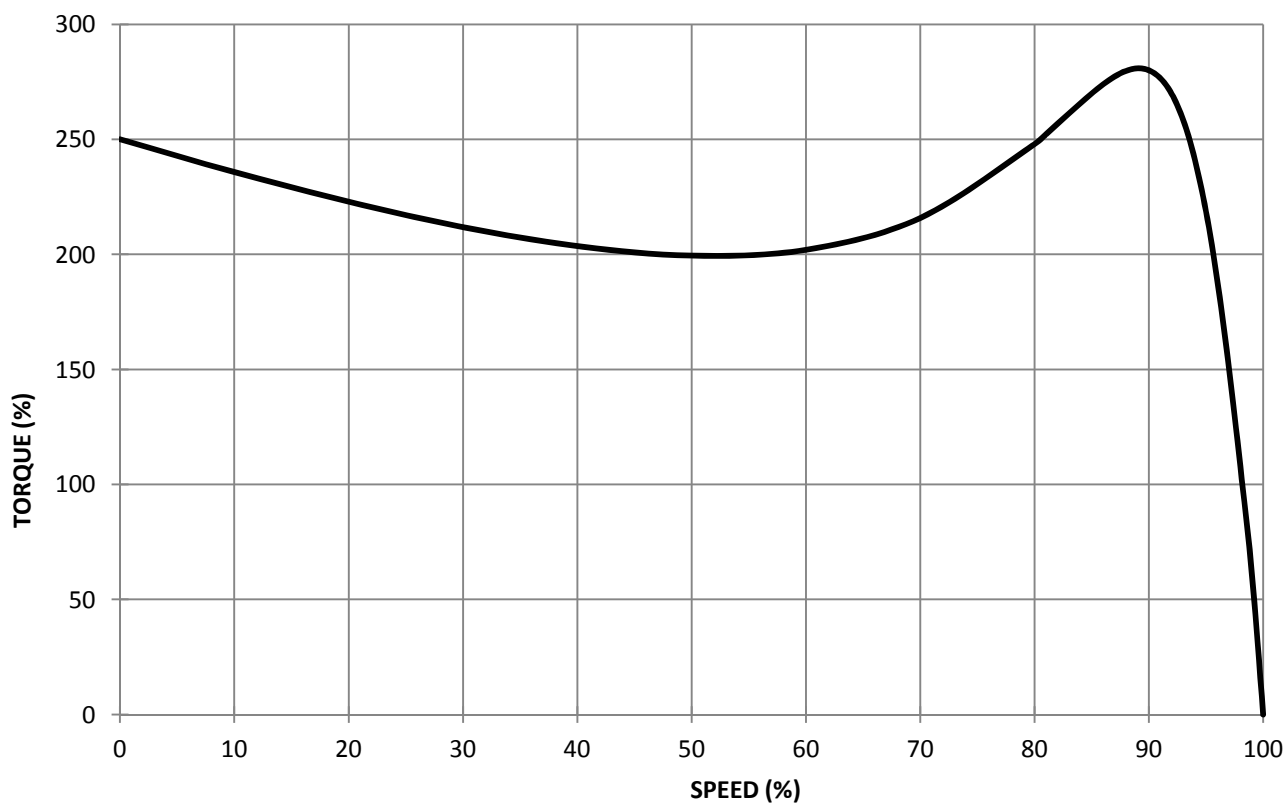
Data subject to tolerance as per IEC 60034-1

Prep.: Engg

Chkd.:

Date:

Date:



LOAD-EFFICIENCY-POWER FACTOR CURVE

EP3 253-04

