

No. of Phases		3	Noise Standard		IS:12065
Frame Designation		250M	Duty		S1
Rated Output	kW	55.0	Insulation Class		F
	HP	75.0	Cooling IS:6362		IC411
No. of Poles		2	Terminal Box Details	Type	HM5GN
Rated Voltage		V 415		Terminal Size	M8
Rated Frequency		Hz 50		No. of Terminal	6
Rated Current		A 91.0		Max. cable size (Cu) mm ²	2x3Cx70.0
Rated Speed		rpm 2965	Bearing Data	DE	6315
Rated Torque		kgm 18.07		NDE	6315
Efficiency	Full load	% 93.2	Life L10 (Direct coupled) hrs.	Lubrication	Mobil / Unirex N3
	3/4 load	% 93.2		Regreasing Time hrs.	2,500
	1/2 load	% 90.5			
Power factor	Full load	0.90	Lifting Eyebolt IS:4190		M16
	3/4 load	0.87	Motor Weight (approx) kg		414.0
	1/2 load	0.83	Rotor GD ² kgm ²		1.0690
Max. Temp. Rise (Res.) °C		70	Ambient Temp. °C		50
Acceleration Time sec.		-	Overall Dimensions of Packed motor (LxBxH) (mm)		
Stator Connection		D			
Tropicalised? (Yes / No)		Yes	Voltage Variation ± %		10
I _{st} / I _r		7.0	Frequency Variation ± %		5
T _{st} / T _r		2.3	Combiend Variation ± %		10
T _{po} / T _r		2.7	Brake	Size	25
Locked rotor withstand time	Hot sec.	19		Torque Nm	400
	Cold sec.	41		Safety Factor	2.26
Reference Standard		IS:12615		Release time ms	500
Protection IS:4691		IP 54		Volts (DC) V	190
Vibration Standard		IS:12075	Data subject to tolerance as per IS: 12615		

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

Prep.: SK

Chkd.: SPJ

Date: 07/05/2020

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