

No. of Phases		3	Noise Standard		IS:12065	
Frame Designation		225MX	Duty		S1	
Rated Output	kW	45.0	Insulation Class		F	
	HP	60.0	Cooling IS:6362		IC411	
No. of Poles		4	Terminal Box Details	Type	HM5GN	
Rated Voltage		V 415		Terminal Size	M8	
Rated Frequency		Hz 50		No. of Terminal	6	
Rated Current		A 78.0		Max. cable size (Cu) mm ²	2x3Cx70.0	
Rated Speed		rpm 1475	Bearing Data	DE	6313	
Rated Torque		kgm 29.72		NDE	6313	
Efficiency	Full load	% 93.1	Lubrication	Mobil / Unirex N3		
	3/4 load	% 93.1		Life L10 (Direct coupled)	hrs.	50,000
	1/2 load	% 92.0		Regreasing Time	hrs.	8,000
Power factor	Full load	0.86	Lifting Eyebolt IS:4190		M16	
	3/4 load	0.83	Motor Weight (approx)	kg	420.0	
	1/2 load	0.77	Rotor GD ²	kgm ²	1.3970	
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		2.6	Brake	Size	31	
Locked rotor withstand time	Hot	sec. 10		Torque	Nm	600
	Cold	sec. 23		Safety Factor	2.06	
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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