



**DATA SHEET:
BRAKE MOTOR**

**Motor Type
2KB2 220-04**

No. of Phases		3	Noise Standard		IS:12065
Frame Designation		225SX	Duty		S1
Rated Output	kW	37.0	Insulation Class		F
	HP	50.0	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 65.0		Max. cable size (Cu) mm ²	2x3Cx70.0
Rated Speed		rpm 1470	Bearing Data	DE	6313
Rated Torque		kgm 24.52		NDE	6313
Efficiency	Full load	% 92.7	Lubrication	Mobil / Unirex N3	
	3/4 load	% 92.7		Life L10 (Direct coupled) hrs.	50,000
	1/2 load	% 91.5		Regreasing Time hrs.	8,000
Power factor	Full load	0.85		Lifting Eyebolt IS:4190	
	3/4 load	0.83	Motor Weight (approx) kg	385.0	
	1/2 load	0.77	Rotor GD ² kgm ²	1.1642	
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.	24		Safety Factor	2.49
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

Date: 07/05/2020