



**DATA SHEET:  
BRAKE MOTOR**

**Motor Type  
2KB2 070-02**

No. of Phases		3	Noise Standard		IS:12065	
Frame Designation		71	Duty		S1	
Rated Output	kW	0.37	Insulation Class		F	
	HP	0.50	Cooling IS:6362		IC411	
No. of Poles		2	Terminal Box Details	Type	HM2GN	
Rated Voltage		V		Terminal Size	M4	
Rated Frequency		Hz		No. of Terminal	6	
Rated Current		A		Max. cable size (Cu)	mm <sup>2</sup> 1x3Cx4.0	
Rated Speed		rpm	2810	DE	620ZZ	
Rated Torque		kgm	0.13	NDE	620ZZ	
Efficiency	Full load	%	69.5	Bearing Data	Lubrication	Prelubricated
	3/4 load	%	69.5		Life L10 (Direct coupled)	hrs. 50,000
	1/2 load	%	64.0		Regreasing Time	hrs. -
Power factor	Full load		0.83		Lifting Eyebolt IS:4190	-
	3/4 load		0.78	Motor Weight (approx)	kg 9.5	
	1/2 load		0.70	Rotor GD <sup>2</sup>	kgm <sup>2</sup> 0.0010	
Max. Temp. Rise (Res.)		°C	70	Ambient Temp.	°C 50	
Acceleration Time		sec.	-	Overall Dimensions of Packed motor (LxBxH) (mm)		
Stator Connection			Y			
Tropicalised? (Yes / No)			Yes	Voltage Variation ±	% 10	
$I_{st} / I_r$			5.0	Frequency Variation ±	% 5	
$T_{st} / T_r$			2.2	Combiend Variation ±	% 10	
$T_{po} / T_r$			2.6	Brake	Size	06
Locked rotor withstand time	Hot	sec.	5		Torque	Nm 4
	Cold	sec.	11		Safety Factor	3.18
Reference Standard			IS:12615		Release time	ms 35
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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