hindustan ELECTRIC MOTORS	DATA SHEET: COOLING TOWER MOTOR	Motor Type **2KL2 083-0405**

No. of Phases			3	Reference Standard			IS:12615
Frame Designation			80	Protection IS:4691			IP 55
Rated Output		kW	0.75	Vibration Standard			IS:12075
		HP	1.0	Noise Standard			IS:12065
No. of Poles			4	Duty			S1
Rated Voltage		V	415	Insulation Class/Temp. Rise class			F/B
Rated Frequency		Hz	50	Cooling IS:6362			IC418
Rated Current		A	1.7	Terminal Box Details	Type		HM2GN
Rated Speed		rpm	1415		Terminal Size		M4
Rated Torque		kgm	0.52		No. of Terminal		6
Efficiency	Full load	%	79.6		Max. cable size (Cu)	mm²	1x3Cx4.0
	3/4 load	%	79.6	Bearing Data	DE		6204ZZ
	1/2 load	%	75.0		NDE		6204ZZ
Power factor	Full load		0.77		Lubrication		Prelubricated
	3/4 load		0.70		Life L10 (Direct Coupled)	hrs.	50,000
	1/2 load		0.63		Regreasing Time	hrs.	-
Max. Temp. Rise (Res.)		°C	70	Lifting Eyebolt			-
Acceleration Time		sec.	-	Motor Weight (approx)		kg	-
Stator Connection			Y	Rotor GD²		kgm²	0.0062
Tropicalised? (Yes / No)			Yes	Ambient Temp.		°C	50
I_{st} / I_r			6.0	Overall Dimensions of Packed motor (LxBxH) (mm)			
T_{st} / T_r			2.5	-			
T_{po} / T_r			3.0	Voltage Variation ±		%	10
Locked rotor withstand time	Hot	sec.	5	Frequency Variation ±		%	5
	Cold	sec.	13	Combiend Variation ±		%	10

Customer Specific Requirements & Remarks	
(1) Efficiency Class : IE2	
(2) Motor Construction : TEAO	
(3) Motor Mounting : IM B5	

Data subject to tolerance as per IEC 60034-1

Prep.: SK	Chkd.: SPJ	
Date: 07/05/2020	Date: 07/05/2020	