hindustan ELECTRIC MOTORS	DATA SHEET: COOLING TOWER MOTOR	Motor Type **2HL1 223-1205**

No. of Phases			3	Reference Standard			IS:325
Frame Designation			225MX	Protection IS:4691			IP 55
Rated Output		kW	15.0	Vibration Standard			IS:12075
		HP	20.0	Noise Standard			IS:12065
No. of Poles			2	Duty			S1
Rated Voltage		V	415	Insulation Class/Temp. Rise class			F/B
Rated Frequency		Hz	50	Cooling IS:6362			IC418
Rated Current		A	40.0	Terminal Box Details	Type		HM5GN
Rated Speed		rpm	480		Terminal Size		M8
Rated Torque		kgm	30.44		No. of Terminal		6
Efficiency	Full load	%	85.5		Max. cable size (Cu)	mm²	2x3Cx70.0
	3/4 load	%	85.5	Bearing Data	DE		6313
	1/2 load	%	83.5		NDE		6313
Power factor	Full load		0.61		Lubrication		Mobil / Unirex N3
	3/4 load		0.54		Life L10 (Direct Coupled)	hrs.	50,000
	1/2 load		0.43		Regreasing Time	hrs.	8,000
Max. Temp. Rise (Res.)		°C	70	Lifting Eyebolt			M16
Acceleration Time		sec.	-	Motor Weight (approx)		kg	-
Stator Connection			D	Rotor GD²		kgm²	1.8378
Tropicalised? (Yes / No)			Yes	Ambient Temp.		°C	50
I_{st} / I_r			4.0	Overall Dimensions of Packed motor (LxBxH) (mm)			
T_{st} / T_r			1.8	-			
T_{po} / T_r			2.0	Voltage Variation ±		%	10
Locked rotor withstand time	Hot	sec.	-	Frequency Variation ±		%	5
	Cold	sec.	-	Combiend Variation ±		%	10

Customer Specific Requirements & Remarks	
(1) Efficiency Class : EFF2	
(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	