

		INDUCTION MOTOR DATA SHEET		1 HP - 2 P	
MODEL: KMB-01HK3F		CUSTOMER :		REV. NO : 0	
APPLICATION:		PROJECT NAME:		QUANTITY : SETS	
GENERAL DATA			PERFORMANCE DATA		
FRAME NO.		FF165		OUTPUT 0.75 kW 1 HP	
ENCLOSURE	☐ DRIP PROOF		POLES 2 POLES		
	☒ TOTALLY ENCLOSED		ROTOR TYPE SQUIRREL CAGE		
	☐ Increased Safety Exp.-proof		☒ D.O.L ☐ Y- ☐ REACTOR (%TAP) ☐ V.V.V.F ☐ SOFT-STARTER		
PROTECTION IP 44		STARTING METHOD			
METHODS OF COOLING ☐ SC ☒ FC ☐					
FREQUENCY 60 Hz		RATED VOLTAGE 220 V 380 V V			
PHASE 3 PHASE		CURRENT			
SERVICE FACTOR 1.15		NO LOAD		1.7 A	1.0 A A
INSULATION CLASS F CLASS		FULL LOAD		3.3 A	1.9 A A
TEMP. RISE AT FULL LOAD (at S.F 1.0)		STARTING		21.5 A	12.4 A A
RES. METHOD 105		EFFICIENCY			
THERMO. METHOD		AT 1/2 LOAD		%	
LOCATION ☒ INDOOR ☐ OUTDOOR		AT 3/4 LOAD		%	
ALTITUDE 1000 m		AT FULL LOAD		71.0	%
HUMIDITY 80 %		POWER FACTOR			
AMBIENT TEMPERATURE -10~40		AT 1/2 LOAD		%	
RATING ☒ CONT. ☐ %ED		AT 3/4 LOAD		%	
NEMA DESIGN B		AT FULL LOAD		79.0	%
MOUNTING ☐ B3 ☒ B5 ☒ V1 ☐ B3B5		SPEED (AT FULL LOAD)		3450	rpm
BEARING	TYPE	BALL		TORQUE	
	DEIN-DE	6204ZZ/6203ZZ		FULL LOAD	
	LUBRICANT	GREASE		0.2	kg-m 100%
COUPLING METHOD ☒ DIRECT ☐ V-BELT		LOCKED ROTOR		0.4	kg-m 180%
SHAFT		BREAKDOWN		0.4	kg-m 200%
EXTENSION		NOISE LEVEL		73.0	dB(A)
EXTERNAL THRUST		VIBRATION		25.0	μm
TERMINAL BOX		ALLOWABLE LOAD GD ² REFERRED TO MOTOR SHAFT			
MAIN ☒ STEEL ☐ AL ☐ CAST		(AT DIRECT ON-LINE)		0.8	kg-m ²
AUX. ☐ YES ☒ NO		Motor GD ²		0.0079	kg-m ²
BOX LOCATION LEFT (Viewed from Drive end)		MOTOR APPROX. WEIGHT		14.0	kg
APPLICATION STANDARDS KS.IEC		PAINTING	MUNSELL NO.	7.1 B 4.0/0.9	
		THICKNESS	☒ STANDARD ☐	μm	
ACCESSORIES (OPTIONAL)			SUBMITTAL DRAWINGS		
TEMPERATURE DETECTOR			OUTLINE DIMENSION		DW-KMB-01HK3F
WINDING NO			S-T CURVE		ST-KMB-01HK3F
TYPE			TERMINAL BOX DIMENSION		TB-3M95996
BEARING NO					
TYPE					
SPACE HEATER NO					
RATING					
NOTE			REMARKS		
1. THESE DATA ARE ONLY DESIGN VALUES AND SHALL BE GUARANTEED WITH TOLERANCE OF APPLICATION STANDARDS.			1. ABOVE ALL DATA ARE CALCULATED AT 100% VOLTAGE.		
2. OTHERS NOT MENTIONED IN THIS SHEET SHALL BE IN ACCORDANCE WITH OTIS STANDARD.					
FC : FAN COOLED SC : SELF COOLED			DATE	PREPARED	CHECKED
			2006-07-12	J.H JO	H.G HAN
					APPROVED
					H.T.KIM