

HIGEN		INDUCTION MOTOR DATA SHEET		10 HP - 2 P	
MODEL: KMB-10HK3F		CUSTOMER :		REV. NO : 0	
APPLICATION:		PROJECT NAME:		QUANTITY : SETS	
GENERAL DATA			PERFORMANCE DATA		
FRAME NO.		FF265		OUTPUT 7.5 kW 10 HP	
ENCLOSURE		☐ DRIP PROOF		POLES 2 POLES	
		☒ TOTALLY ENCLOSED		ROTOR TYPE SQUIRREL CAGE	
		☐ Increased Safety Exp.-proof		STARTING METHOD ☒ D.O.L ☐ Y-	
PROTECTION		IP 44		☐ REACTOR (%TAP) ☐ V.V.V.F	
METHODS OF COOLING		☐ SC ☒ FC ☐		☐ SOFT-STARTER	
FREQUENCY		60 Hz		RATED VOLTAGE 220 V 380 V V	
PHASE		3 PHASE		CURRENT	
SERVICE FACTOR		1.15		NO LOAD 13.7 A 7.9 A A	
INSULATION CLASS		F CLASS		FULL LOAD 27.4 A 15.8 A A	
TEMP. RISE AT FULL LOAD (at S.F 1.0)				STARTING 191.8 A 110.7 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 85.5 %	
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 82.0 %	
MOUNTING		☐ B3 ☒ B5 ☒ V1 ☐ B3B5		SPEED (AT FULL LOAD) 3520 rpm	
BEARING		TYPE BALL		TORQUE	
		DEIN-DE 6208ZZ/6305ZZ		FULL LOAD 2.1 kg-m 100%	
		LUBRICANT GREASE		LOCKED ROTOR 3.1 kg-m 150%	
COUPLING METHOD		☒ DIRECT ☐ V-BELT		BREAKDOWN 4.1 kg-m 200%	
SHAFT				NOISE LEVEL 84.0 dB(A)	
EXTENSION		SINGLE		VIBRATION 25.0 μ m	
EXTERNAL THRUST				ALLOWABLE LOAD GD ² REFERRED TO MOTOR SHAFT	
TERMINAL BOX				(AT DIRECT ON-LINE) 5.9 kg-m ²	
MAIN		☒ STEEL ☐ AL ☐ CAST		Motor GD ² 0.1160 kg-m ²	
AUX.		☐ YES ☒ NO		MOTOR APPROX. WEIGHT 50.0 kg	
BOX LOCATION		LEFT (Viewed from Drive end)		PAINTING MUNSSELL NO. 7.1 B 4.0/0.9	
APPLICATION STANDARDS		KS.IEC		THICKNESS ☒ STANDARD ☐ μ m	
ACCESSORIES (OPTIONAL)			SUBMITTAL DRAWINGS		
TEMPERATURE DETECTOR			OUTLINE DIMENSION DW-KMB-10HK3F		
WINDING			S-T CURVE ST-KMB-10HK3F		
TYPE			TERMINAL BOX DIMENSION TB-3M95059		
BEARING					
TYPE					
SPACE HEATER					
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 APPROVED		
			2006-07-12 J.H JO H.G HAN H.T.KIM		