

		INDUCTION MOTOR DATA SHEET		10 HP - 2 P	
MODEL: KMI-10HK3		CUSTOMER :		REV. NO : 1	
APPLICATION:		PROJECT NAME:		QUANTITY : SETS	
GENERAL DATA			PERFORMANCE DATA		
FRAME NO.		132S		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- ☐ REACTOR (%TAP) ☐ V.V.V.F		
PROTECTION	IP 44		SOFT-STARTER ☐		
METHODS OF COOLING	☐ SC ☒ FC ☐		RATED VOLTAGE 220 V 380 V V		
FREQUENCY	60 Hz		CURRENT		
PHASE	3 PHASE		NO LOAD 6.3 A 3.7 A A		
SERVICE FACTOR	1.15		FULL LOAD 27.4 A 15.8 A A		
INSULATION CLASS	F CLASS		STARTING 172.7 A 99.7 A A		
TEMP. RISE AT FULL LOAD (at S.F 1.0)			EFFICIENCY		
RES. METHOD		105		AT 1/2 LOAD %	
THERMO. METHOD				AT 3/4 LOAD %	
LOCATION	☒ INDOOR ☐ OUTDOOR		AT FULL LOAD 85.5 %		
ALTITUDE	1000 m		POWER FACTOR		
HUMIDITY	80 %		AT 1/2 LOAD %		
AMBIENT TEMPERATURE	-10~40		AT 3/4 LOAD %		
RATING	☒ CONT. ☐ %ED		AT FULL LOAD 84.0 %		
NEMA DESIGN	B		SPEED (AT FULL LOAD) 3430 rpm		
MOUNTING	☒ B3 ☐ B5 ☐ V1 ☐ B3B5		TORQUE		
BEARING	TYPE	BALL		FULL LOAD 2.1 kg-m 100%	
	DEIN-DE	6208ZZ / 6206ZZ		LOCKED ROTOR 3.8 kg-m 180%	
	LUBRICANT	GREASE		BREAKDOWN 4.7 kg-m 220%	
COUPLING METHOD		☒ DIRECT ☐ V-BELT		NOISE LEVEL 84.0 dB(A)	
SHAFT		EXTENSION SINGLE		VIBRATION 25.0 μm	
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 68.0 kg	
BOX LOCATION		LEFT (Viewed from Drive end)		PAINTING	MUNSELL NO. 7.1 B 4.0/0.9
APPLICATION STANDARDS		KS.IEC		THICKNESS	☒ STANDARD ☐ μm
ACCESSORIES (OPTIONAL)			SUBMITTAL DRAWINGS		
TEMPERATURE DETECTOR			OUTLINE DIMENSION DW-H-132S-CA		
WINDING		NO		S-T CURVE ST-KMI-10HK3	
TYPE				TERMINAL BOX DIMENSION TB-3M95037	
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	APPROVED
		2006-01-20	J.S.PARK	J.S.PARK	H.T.KIM