

		INDUCTION MOTOR DATA SHEET		10 HP - 4 P	
MODEL: KMI-10HK1F		CUSTOMER :		REV. NO : 0	
APPLICATION:		PROJECT NAME:		QUANTITY : SETS	
GENERAL DATA			PERFORMANCE DATA		
FRAME NO.		FF265		OUTPUT 7.5 kW 10 HP	
ENCLOSURE	<input type="checkbox"/> DRIP PROOF		POLES 4 POLES		
	<input checked="" type="checkbox"/> TOTALLY ENCLOSED		ROTOR TYPE SQUIRREL CAGE		
	<input type="checkbox"/> Increased Safety Exp.-proof		<input checked="" type="checkbox"/> D.O.L <input type="checkbox"/> Y-△ <input type="checkbox"/> REACTOR (%TAP) <input type="checkbox"/> V.V.V.F <input type="checkbox"/> SOFT-STARTER		
PROTECTION IP 44		STARTING METHOD			
METHODS OF COOLING <input type="checkbox"/> SC <input checked="" type="checkbox"/> FC <input type="checkbox"/>					
FREQUENCY 60 Hz		RATED VOLTAGE 220 V 380 V V			
PHASE 3 PHASE		CURRENT			
SERVICE FACTOR 1.15		NO LOAD		11.1 A	6.4 A A
INSULATION CLASS F CLASS		FULL LOAD		27.8 A	15.3 A A
TEMP. RISE AT FULL LOAD (at S.F 1.0)		STARTING		167.8 A	92.6 A A
RES. METHOD 105 °C		EFFICIENCY			
THERMO. METHOD °C		AT 1/2 LOAD %			
LOCATION <input checked="" type="checkbox"/> INDOOR <input type="checkbox"/> OUTDOOR		AT 3/4 LOAD %			
ALTITUDE 1000 m		AT FULL LOAD 87.0 %			
HUMIDITY 80 %		POWER FACTOR			
AMBIENT TEMPERATURE -10~40 °C		AT 1/2 LOAD %			
RATING <input checked="" type="checkbox"/> CONT. <input type="checkbox"/> %ED		AT 3/4 LOAD %			
NEMA DESIGN B		AT FULL LOAD 81.5 %			
MOUNTING <input type="checkbox"/> B3 <input checked="" type="checkbox"/> B5 <input checked="" type="checkbox"/> V1 <input type="checkbox"/> B3B5		SPEED (AT FULL LOAD)		1755 rpm	
BEARING	TYPE BALL		TORQUE		
	DEW-DE 6208ZZ / 6206ZZ		FULL LOAD 4.2 kg-m 100%		
	LUBRICANT GREASE		LOCKED ROTOR 7.5 kg-m 180%		
COUPLING METHOD <input checked="" type="checkbox"/> DIRECT <input type="checkbox"/> V-BELT		BREAKDOWN		9.2 kg-m 220%	
SHAFT		NOISE LEVEL 77.0 dB(A)			
EXTENSION SINGLE		VIBRATION 30.0 μm			
EXTERNAL THRUST		ALLOWABLE LOAD GD ² REFERRED TO MOTOR SHAFT			
TERMINAL BOX		(AT DIRECT ON-LINE)		29.3 kg-m ²	
MAIN <input checked="" type="checkbox"/> STEEL <input type="checkbox"/> AL <input type="checkbox"/> CAST		Motor GD ²		0.1434 kg-m ²	
AUX. <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		MOTOR APPROX. WEIGHT		76.0 kg	
BOX LOCATION LEFT (Viewed from Drive end)		PAINTING	MUNSELL NO.	7.1 B 4.0/0.9	
APPLICATION STANDARDS KS.IEC		THICKNESS		<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> μm	
ACCESSORIES (OPTIONAL)			SUBMITTAL DRAWINGS		
TEMPERATURE DETECTOR			OUTLINE DIMENSION		DW-V-132M-CA
WINDING NO			S-T CURVE		ST-KMI-10HK1
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
			2005-10-28	J.S.PARK	J.S.PARK
					APPROVED
					H.T.KIM