

		INDUCTION MOTOR DATA SHEET		7.5 HP - 4 P	
MODEL: KMI-08HT1		CUSTOMER :		REV. NO : 0	
APPLICATION:		PROJECT NAME:		QUANTITY : SETS	
GENERAL DATA			PERFORMANCE DATA		
FRAME NO.		132S		OUTPUT 5.5 kW 7.5 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		STARTING METHOD <input checked="" type="checkbox"/> D.O.L <input type="checkbox"/> Y- <input type="checkbox"/> REACTOR (%TAP) <input type="checkbox"/> V.V.V.F		
PROTECTION	IP 44		SOFT-STARTER <input type="checkbox"/>		
METHODS OF COOLING	<input type="checkbox"/> SC <input checked="" type="checkbox"/> FC <input type="checkbox"/>		RATED VOLTAGE 220 V 380 V V		
FREQUENCY	50 Hz		CURRENT		
PHASE	3 PHASE		NO LOAD 10.7 A 6.2 A A		
SERVICE FACTOR	1.0		FULL LOAD 21.4 A 12.4 A A		
INSULATION CLASS	F CLASS		STARTING 147.7 A 85.3 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	<input checked="" type="checkbox"/> INDOOR <input type="checkbox"/> OUTDOOR		AT FULL LOAD 86.0 %		
ALTITUDE	1000 m		POWER FACTOR		
HUMIDITY	80 %		AT 1/2 LOAD %		
AMBIENT TEMPERATURE	-10~40		AT 3/4 LOAD %		
RATING	<input checked="" type="checkbox"/> CONT. <input type="checkbox"/> %ED		AT FULL LOAD 81.0 %		
NEMA DESIGN	B		SPEED (AT FULL LOAD) 1460 rpm		
MOUNTING	<input checked="" type="checkbox"/> B3 <input type="checkbox"/> B5 <input type="checkbox"/> V1 <input type="checkbox"/> B3B5		TORQUE		
BEARING	TYPE	BALL		FULL LOAD 3.7 kg-m 100%	
	DEW-DE	6208ZZ/6206ZZ		LOCKED ROTOR 6.2 kg-m 170%	
	LUBRICANT	GREASE		BREAKDOWN 8.1 kg-m 220%	
COUPLING METHOD		<input checked="" type="checkbox"/> DIRECT <input type="checkbox"/> V-BELT		NOISE LEVEL 74.0 dB(A)	
SHAFT		EXTENSION SINGLE		VIBRATION 30.0 μm	
EXTERNAL THRUST				ALLOWABLE LOAD GD ² REFERRED TO MOTOR SHAFT	
TERMINAL BOX		(AT DIRECT ON-LINE)		26.6 kg-m ²	
MAIN		<input checked="" type="checkbox"/> STEEL <input type="checkbox"/> AL <input type="checkbox"/> CAST		Motor GD ² 0.1272 kg-m ²	
AUX.		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		MOTOR APPROX. WEIGHT 64.0 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-H-132S-CA(50)		
WINDING		NO		TERMINAL BOX DIMENSION TB-3M95037	
TYPE					
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
		2006-06-22	J.H JO	J.S.PARK	H.T.KIM