

		INDUCTION MOTOR DATA SHEET		15 HP - 4 P	
MODEL: KMI-15HT1		CUSTOMER :		REV. NO : 0	
APPLICATION:		PROJECT NAME:		QUANTITY : SETS	
GENERAL DATA			PERFORMANCE DATA		
FRAME NO.		160M		OUTPUT 11 kW 15 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	50 Hz		RATED VOLTAGE 220 V 380 V V		
PHASE	3 PHASE		CURRENT		
SERVICE FACTOR	1.0		NO LOAD 15.5 A 9.0 A A		
INSULATION CLASS	F CLASS		FULL LOAD 42.0 A 24.3 A A		
TEMP. RISE AT FULL LOAD (at S.F 1.0)			STARTING 294.0 A 170.2 A A		
RES. METHOD		105		EFFICIENCY	
THERMO. METHOD				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		AT 1/2 LOAD %		
RATING	<input checked="" type="checkbox"/> CONT. <input type="checkbox"/> %ED		AT 3/4 LOAD %		
NEMA DESIGN	B		AT FULL LOAD 79.0 %		
MOUNTING	<input checked="" type="checkbox"/> B3 <input type="checkbox"/> B5 <input type="checkbox"/> V1 <input type="checkbox"/> B3B5		SPEED (AT FULL LOAD) 1460 rpm		
BEARING	TYPE	BALL		TORQUE	
	DEW-DE	6309ZZ/6307ZZ		FULL LOAD 7.3 kg-m 100%	
	LUBRICANT	GREASE		LOCKED ROTOR 13.2 kg-m 180%	
COUPLING METHOD		<input checked="" type="checkbox"/> DIRECT <input type="checkbox"/> V-BELT		BREAKDOWN 15.4 kg-m 210%	
SHAFT			NOISE LEVEL 78.0 dB(A)		
EXTENSION		SINGLE		VIBRATION 30.0 μm	
EXTERNAL THRUST		ALLOWABLE LOAD GD <sup>2</sup> REFERRED TO MOTOR SHAFT			
TERMINAL BOX			(AT DIRECT ON-LINE) 37.8 kg-m <sup>2</sup>		
MAIN		<input checked="" type="checkbox"/> STEEL <input type="checkbox"/> AL <input type="checkbox"/> CAST		Motor GD <sup>2</sup> 0.2869 kg-m <sup>2</sup>	
AUX.		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		MOTOR APPROX. WEIGHT 109.0 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-160M-CA		
WINDING		NO		S-T CURVE ST-KMI-15HT1	
TYPE				TERMINAL BOX DIMENSION TB-2M95115	
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
			2006-05.24	B.K.KIM	J.S.PARK
					APPROVED
					H.T.KIM