

		INDUCTION MOTOR DATA SHEET		15 HP - 2 P	
MODEL: KMI-15HV3		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 2 POLES		
	<input checked="" type="checkbox"/> TOTALLY ENCLOSED		ROTOR TYPE SQUIRREL CAGE		
	<input type="checkbox"/> Increased Safety Exp.-proof		STARTING METHOD <input type="checkbox"/> D.O.L <input checked="" type="checkbox"/> Y-		
PROTECTION	IP 44		<input type="checkbox"/> REACTOR (%TAP) <input type="checkbox"/> V.V.V.F		
METHODS OF COOLING	<input type="checkbox"/> SC <input checked="" type="checkbox"/> FC <input type="checkbox"/>		<input type="checkbox"/> SOFT-STARTER		
FREQUENCY	60 Hz		RATED VOLTAGE 440 V V V		
PHASE	3 PHASE		CURRENT		
SERVICE FACTOR	1.15		NO LOAD 7.0 A A A		
INSULATION CLASS	F CLASS		FULL LOAD 19.8 A A A		
TEMP. RISE AT FULL LOAD (at S.F 1.0)			STARTING 128.4 A 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 88.0 %		
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 83.0 %		
MOUNTING	<input checked="" type="checkbox"/> B3 <input type="checkbox"/> B5 <input type="checkbox"/> V1 <input type="checkbox"/> B3B5		SPEED (AT FULL LOAD) 3550 rpm		
BEARING	TYPE	BALL		TORQUE	
	DEW-DE	6309ZZC3/6307ZZ		FULL LOAD 3.0 kg-m 100%	
	LUBRICANT	GREASE		LOCKED ROTOR 5.4 kg-m 180%	
COUPLING METHOD		<input checked="" type="checkbox"/> DIRECT <input type="checkbox"/> V-BELT		BREAKDOWN 6.6 kg-m 220%	
SHAFT			NOISE LEVEL 87.0 dB(A)		
EXTENSION		SINGLE		VIBRATION 25.0 μm	
EXTERNAL THRUST		ALLOWABLE LOAD GD ² REFERRED TO MOTOR SHAFT			
TERMINAL BOX			(AT DIRECT ON-LINE) 7.2 kg-m ²		
MAIN		<input checked="" type="checkbox"/> STEEL <input type="checkbox"/> AL <input type="checkbox"/> CAST		Motor GD ² 0.1620 kg-m ²	
AUX.		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		MOTOR APPROX. WEIGHT 110.0 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-15HV3	
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
			2006-06-30	B.K.KIM	J.S.PARK
					APPROVED
					H.T.KIM