

HIGEN			INDUCTION MOTOR DATA SHEET			1.5 kW 4 P 90L		
MODEL: KMI-02HT1			CUSTOMER :		COIL SPEC NO.:		REV. NO : 0	
APPLICATION:			PROJECT NAME:			QUANTITY : SETS		
GENERAL DATA				PERFORMANCE DATA				
FRAME NO.		90L		OUTPUT		1.5 kW		
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-		
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"/> VECTOR-DRIVE		
PHASE		3 PHASE				RATED VOLTAGE		220 V 380 V
SERVICE FACTOR		1.0		FREQUENCY		50 Hz		
INSULATION CLASS		F CLASS		CURRENT				
RES. METHOD THERMO. METHOD		105		NO LOAD		A		A
				FULL LOAD		6.1 A		3.5 A
				STARTING		45.6 A		26.4 A
LOCATION		<input checked="" type="checkbox"/> INDOOR <input type="checkbox"/> OUTDOOR		EFFICIENCY				
ALTITUDE		1000 m		AT 1/2 LOAD		%		
HUMIDITY		80 %		AT 3/4 LOAD		%		
AMBIENT TEMPERATURE		-10-40		AT FULL LOAD		79.0 %		
RATING		<input checked="" type="checkbox"/> CONT. <input type="checkbox"/> 30 MIN		POWER FACTOR				
NEMA DESIGN		B		AT 1/2 LOAD		%		
MOUNTING		<input checked="" type="checkbox"/> B3 <input type="checkbox"/> B5 <input type="checkbox"/> V1 <input type="checkbox"/> B3B5		AT 3/4 LOAD		%		
BEARING	TYPE	BALL / BALL		AT FULL LOAD		82.0 %		
	DEW-DE	6205ZZ / 6204ZZ		SPEED (AT FULL LOAD)		1420 rpm		
	LUBRICANT	GREASE		TORQUE				
COUPLING METHOD		<input checked="" type="checkbox"/> DIRECT <input type="checkbox"/> V-BELT		FULL LOAD		1.03 kg-m		100%
ROTATION(Facing Drive End)		<input type="checkbox"/> CW <input checked="" type="checkbox"/> CCW		LOCKED ROTOR		1.95 kg-m		190%
SHAFT				BREAKDOWN		2.06 kg-m		200%
	EXTENSION	SINGLE		NOISE LEVEL		67.0 dB(A)		
	EXTERNAL THRUST	-		VIBRATION		30.0 μm		
TERMINAL BOX				ALLOWABLE LOAD GD ² REFERRED TO MOTOR SHAFT				
MAIN		<input checked="" type="checkbox"/> STEEL <input type="checkbox"/> AL <input type="checkbox"/> CAST		(AT DIRECT ON-LINE)		6.0 kg-m ²		
AUX.		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		Motor GD ²		0.0174 kg-m ²		
BOX LOCATION		LEFT (Viewed from Drive end)		MOTOR APPROX. WEIGHT		24 kg		
APPLICATION STANDARDS		KS.IEC		PAINTING		MUNSELL NO. 7.1 B 4 / 0.9 (ALKYD)		
				THICKNESS		<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> μm		
ACCESSORIES (OPTIONAL)				SUBMITTAL DRAWINGS				
TEMPERATURE DETECTOR				OUTLINE DIMENSION		DW-KMI-02HT1		
	WINDING	NO		SPEED-TORQUE CURVE		ST-KMI-02HT1		
	TYPE	-		TERMINAL BOX DIMENSION		TB-KMI-02HT1		
	BEARING	NO						
	TYPE	-						
	SPACE HEATER	NO						
	RATING	-						
<input type="checkbox"/> CABLE GLAND :								
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 HIGEN MOTOR STANDARD.								
TE : TOTALLY ENCLOSED		DP : DRIP PROOF		DATE		PREPARED		CHECKED
FC : FAN COOLED		SC : SELF COOLED		2010-08-17		I.K.JUNG		K.I.HA
								APPROVED
								H.J.KIM