

HIGEN		INDUCTION MOTOR DATA SHEET		3.7 kW - 4 P	
MODEL: KMI-05HY1				REV. NO :	
APPLICATION:		PROJECT NAME:		QUANTITY :	
GENERAL DATA			PERFORMANCE DATA		
FRAME NO.		112M		OUTPUT 3.7 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		<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"/> AO					
FREQUENCY 60 Hz		RATED VOLTAGE 460 V		V V V	
PHASE 3 PHASE		CURRENT			
SERVICE FACTOR 1.15		NO LOAD		A A A	
INSULATION CLASS F CLASS		FULL LOAD		6.6 A A A	
TEMP. RISE AT FULL LOAD (at S.F 1.0)		STARTING		49.5 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		84.0 % % %	
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		78.0 % % %	
MOUNTING <input checked="" type="checkbox"/> B3 <input type="checkbox"/> B5 <input type="checkbox"/> V1 <input type="checkbox"/> B3B5		SPEED (AT FULL LOAD)		1740 rpm	
BEARING	TYPE	BALL		TORQUE	
	DRIVE/OPP.D.	6206ZZ/6205ZZ		FULL LOAD 2.07 kg-m 100%	
	LUBRICANT	GREASE		LOCKED ROTOR 3.52 kg-m 170%	
COUPLING METHOD <input checked="" type="checkbox"/> DIRECT <input type="checkbox"/> V-BELT		BREAKDOWN		4.14 kg-m 200%	
SHAFT		NOISE LEVEL		72.0 dB(A)	
EXTENSION		SINGLE		VIBRATION 15.0 μm	
EXTERNAL THRUST				ALLOWABLE LOAD GD ² REFERRED TO MOTOR SHAFT	
TERMINAL BOX		(AT DIRECT ON-LINE)		15.3 kg-m ²	
MAIN <input checked="" type="checkbox"/> STEEL <input type="checkbox"/> AL <input type="checkbox"/> CAST		Motor GD ²		0.0600 kg-m ²	
AUX. <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		MOTOR APPROX. WEIGHT		42.0 kg	
BOX LOCATION LEFT		PAINTING		MUNSELL NO. 7.1 B 4.0/0.9	
APPLICATION STANDARDS IEC, KS		THICKNESS		<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> μm	
ACCESSORIES (OPTIONAL)			SUBMITTAL DRAWINGS		
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 STANDARD.					
FC : FAN COOLED SC : SELF COOLED		DATE	PREPARED	CHECKED	APPROVED
AO : AIR OVER		2008-07-15	M.S.PARK	J.H.JO	H.J.KIM