

HIGEN		INDUCTION MOTOR DATA SHEET		3.7 kW - 2 P	
MODEL: KMI-05HV3F		CUSTOMER :		REV. NO :	
APPLICATION:		PROJECT NAME:		QUANTITY : SETS	
GENERAL DATA			PERFORMANCE DATA		
FRAME NO.		FF215		OUTPUT 3.7 kW 5 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		<input checked="" type="checkbox"/> D.O.L <input type="checkbox"/> Y-	
PROTECTION		IP 44		STARTING METHOD	
METHODS OF COOLING		<input type="checkbox"/> SC <input checked="" type="checkbox"/> FC <input type="checkbox"/> DP		<input type="checkbox"/> REACTOR (%TAP) <input type="checkbox"/> V.V.V.F	
PHASE		3 PHASE		<input type="checkbox"/> VECTOR DRIVE	
SERVICE FACTOR		1.15		RATED VOLTAGE 440 V V V	
INSULATION CLASS		F CLASS		FREQUENCY 60 Hz	
TEMP. RISE AT FULL LOAD (at S.F 1.0)		CURRENT			
RES. METHOD 105		NO LOAD		A A A	
THERMO. METHOD		FULL LOAD		6.8 A A A	
LOCATION <input checked="" type="checkbox"/> INDOOR <input type="checkbox"/> OUTDOOR		STARTING		68.0 A A A	
ALTITUDE 1000 m		EFFICIENCY			
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		84.0 % % %	
NEMA DESIGN B		POWER FACTOR			
MOUNTING <input type="checkbox"/> B3 <input checked="" type="checkbox"/> B5 <input checked="" type="checkbox"/> V1 <input type="checkbox"/> B3B5		AT 1/2 LOAD		% % %	
BEARING TYPE BALL		AT 3/4 LOAD		% % %	
DEW-DE 6207ZZ/6205ZZ		AT FULL LOAD		85.0 % % %	
LUBRICANT GREASE		SPEED (AT FULL LOAD)		3500 rpm	
COUPLING METHOD <input checked="" type="checkbox"/> DIRECT <input type="checkbox"/> V-BELT		TORQUE			
ROTATION(Facing Drive End) <input checked="" type="checkbox"/> CW <input checked="" type="checkbox"/> CCW		FULL LOAD		1.03 kg-m 100%	
SHAFT		LOCKED ROTOR		1.65 kg-m 160%	
EXTENSION SINGLE		BREAKDOWN		2.06 kg-m 200%	
EXTERNAL THRUST		NOISE LEVEL		80 dB(A)	
TERMINAL BOX		VIBRATION 30.0 μ m			
MAIN <input checked="" type="checkbox"/> STEEL <input type="checkbox"/> AL <input type="checkbox"/> CAST		ALLOWABLE LOAD GD ² REFERRED TO MOTOR SHAFT			
AUX. <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		(AT DIRECT ON-LINE)		3.3 kg-m ²	
BOX LOCATION LEFT (Viewed from Drive end)		Motor GD ²		0.0570 kg-m ²	
APPLICATION STANDARDS KS.IEC		MOTOR APPROX. WEIGHT		44 kg	
		PAINTING		MUNSELL NO. 7.1 B 4.0/0.9	
		THICKNESS		<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> μ m	
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.					
TE : TOTALLY ENCLOSED DP : DRIP PROOF		DATE		PREPARED	CHECKED
FC : FAN COOLED SC : SELF COOLED		2009-07-13		H.Y.KIM	K.I.HA
				APPROVED	H.J.KIM