

HIGEN		INDUCTION MOTOR DATA SHEET		2.2 KW - 2 P	
MODEL: KMI-03HV3		CUSTOMER :		REV. NO :	
APPLICATION:		PROJECT NAME:		QUANTITY : SETS	
GENERAL DATA			PERFORMANCE DATA		
FRAME NO.		90L		OUTPUT 2.2 kW 3 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"/>		<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		B CLASS		FREQUENCY 60 Hz	
TEMP. RISE AT FULL LOAD (at S.F 1.0)		CURRENT			
RES. METHOD 85		NO LOAD		A A A	
THERMO. METHOD		FULL LOAD		4.5 A A A	
LOCATION <input checked="" type="checkbox"/> INDOOR <input type="checkbox"/> OUTDOOR		STARTING		29.0 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		81.0 % %	
NEMA DESIGN B		POWER FACTOR			
MOUNTING <input checked="" type="checkbox"/> B3 <input type="checkbox"/> B5 <input type="checkbox"/> V1 <input type="checkbox"/> B3B5		AT 1/2 LOAD		% % %	
BEARING TYPE BALL		AT 3/4 LOAD		% % %	
DEW-DE 6205ZZ/6204ZZ		AT FULL LOAD		80.0 % %	
LUBRICANT GREASE		SPEED (AT FULL LOAD)		3450 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		0.62 kg-m 100%	
SHAFT		LOCKED ROTOR		1.06 kg-m 170%	
EXTENSION SINGLE		BREAKDOWN		1.24 kg-m 200%	
EXTERNAL THRUST		NOISE LEVEL		77 dB(A)	
TERMINAL BOX		VIBRATION 30.0 $\mu$ m			
MAIN <input checked="" type="checkbox"/> STEEL <input type="checkbox"/> AL <input type="checkbox"/> CAST		ALLOWABLE LOAD GD <sup>2</sup> REFERRED TO MOTOR SHAFT			
AUX. <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		(AT DIRECT ON-LINE)		2.3 kg-m <sup>2</sup>	
BOX LOCATION LEFT (Viewed from Drive end)		Motor GD <sup>2</sup>		0.0197 kg-m <sup>2</sup>	
APPLICATION STANDARDS KS.IEC		MOTOR APPROX. WEIGHT		24 kg	
		PAINTING		MUNSELL NO. 7.1B4.0/0.9	
		THICKNESS		<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> $\mu$ m	
ACCESSORIES (OPTIONAL)			SUBMITTAL DRAWINGS		
NOTE		REMARKS			
1. THESE DATA ARE ONLY DESIGN VALUES AND SHALL BE		1. ABOVE ALL DATA ARE CALCULATED AT 100% VOLTAGE.			
GUARANTEED WITH TOLERANCE OF APPLICATION STANDARDS.					
2. OTHERS NOT MENTIONED IN THIS SHEET SHALL BE					
IN ACCORDANCE WITH OTIS STANDARD.					
TE : TOTALLY ENCLOSED DP : DRIP PROOF		DATE	PREPARED	CHECKED	APPROVED
FC : FAN COOLED SC : SELF COOLED		2008.11.24	M.S.PARK	J.H.JO	H.J.KIM