

HIGEN		INDUCTION MOTOR DATA SHEET		3.7 KW - 4 P	
MODEL: KMI-05HV1		CUSTOMER :		REV. NO :	
APPLICATION:		PROJECT NAME:		QUANTITY : SETS	
GENERAL DATA		PERFORMANCE DATA			
FRAME NO.	112M	OUTPUT	3.7 kW	5 HP	
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	440 V	V	V
SERVICE FACTOR	1.15	FREQUENCY	60	Hz	
INSULATION CLASS	F CLASS	CURRENT			
TEMP. RISE AT FULL LOAD (at S.F 1.0)		NO LOAD	A	A	A
RES. METHOD	105	FULL LOAD	6.8 A	A	A
THERMO. METHOD		STARTING	57.1 A	A	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	84.0	%	
RATING	<input checked="" type="checkbox"/> CONT. <input type="checkbox"/> %ED	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	AT FULL LOAD	85.0	%	
	DEW-DE	SPEED (AT FULL LOAD)	1730	rpm	
	LUBRICANT	GREASE	TORQUE		
COUPLING METHOD	<input checked="" type="checkbox"/> DIRECT <input type="checkbox"/> V-BELT	FULL LOAD	2.08	kg-m	100%
ROTATION(Facing Drive End)	<input checked="" type="checkbox"/> CW <input checked="" type="checkbox"/> CCW	LOCKED ROTOR	3.54	kg-m	170%
SHAFT		BREAKDOWN	4.17	kg-m	200%
EXTENSION	SINGLE	NOISE LEVEL	72	dB(A)	
EXTERNAL THRUST		VIBRATION	30.0	μm	
TERMINAL BOX		ALLOWABLE LOAD GD <sup>2</sup> REFERRED TO MOTOR SHAFT			
MAIN	<input checked="" type="checkbox"/> STEEL <input type="checkbox"/> AL <input type="checkbox"/> CAST	(AT DIRECT ON-LINE)	15.3	kg-m <sup>2</sup>	
AUX.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	Motor GD <sup>2</sup>	0.0600	kg-m <sup>2</sup>	
BOX LOCATION	LEFT (Viewed from Drive end)	MOTOR APPROX. WEIGHT	42	kg	
APPLICATION STANDARDS	KS.IEC	PAINTING	MUNSELL NO.	7.1B 4.0/0.9	
		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	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	2008-12-22	M.S.PARK	J.H.JO	H.J.KIM