



INDUCTION MOTOR DATA SHEET

2.2 kW - 4 P

MODEL: KMI-03HV1 CUSTOMER : JONGHAP PNEUTEC CO., LTD REV. NO :
 APPLICATION: PROJECT NAME: P&P KOREA B-VSP-01-08 QUANTITY : 1SETS /SHIP

GENERAL DATA		PERFORMANCE DATA			
FRAME NO.	112S	OUTPUT	2.2 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	<input type="checkbox"/> REACTOR (%TAP) <input type="checkbox"/> V.V.V.F				
METHODS OF COOLING	IP 44	<input type="checkbox"/> SOFT-STARTER			
FREQUENCY	60 Hz	RATED VOLTAGE	440 V	V	V
PHASE	3 PHASE	CURRENT			
SERVICE FACTOR	1.15	NO LOAD	A	A	A
INSULATION CLASS	B CLASS	FULL LOAD	4.4 A	A	A
TEMP. RISE AT FULL LOAD (at S.F 1.0)		STARTING	31.1 A	A	A
RES. METHOD	85	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	83.0	%	
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	79.0	%	
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	TORQUE			
	DEW-DE	FULL LOAD	1.2	kg-m	100%
	LUBRICANT	LOCKED ROTOR	2.2	kg-m	180%
COUPLING METHOD	<input checked="" type="checkbox"/> DIRECT <input type="checkbox"/> V-BELT	BREAKDOWN	2.5	kg-m	200%
SHAFT		NOISE LEVEL	68.0	dB(A)	
EXTENSION	SINGLE	VIBRATION	30.0	μm	
EXTERNAL THRUST		ALLOWABLE LOAD GD ² REFERRED TO MOTOR SHAFT			
TERMINAL BOX		(AT DIRECT ON-LINE)	12.0	kg-m ²	
MAIN	<input checked="" type="checkbox"/> STEEL <input type="checkbox"/> AL <input type="checkbox"/> CAST	Motor GD ²	0.0351	kg-m ²	
AUX.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	MOTOR APPROX. WEIGHT	32.0	kg	
BOX LOCATION	LEFT (Viewed from Drive end)	PAINING	MUNSELL NO.	7.1B 4.0/0.9	
APPLICATION STANDARDS	IEC, KS	THICKNESS	<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/>	μm	

ACCESSORIES (OPTIONAL)		SUBMITTAL DRAWINGS			
		OUTLINE DIMENSION	DW-KMI-03HV1		
		SPEED-TORQUE CURVE	ST-KMI-03HV1		

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 OTIS STANDARD.	

FC : FAN COOLED SC : SELF COOLED	DATE	PREPARED	CHECKED	APPROVED
	2007.06.25	M.S.PARK	H.K.KIM	H.J.KIM