



INDUCTION MOTOR DATA SHEET

5 HP - 6 P

MODEL: KMI-05HV8	CUSTOMER :	REV. NO : 0
APPLICATION:	PROJECT NAME:	QUANTITY : SETS

GENERAL DATA		PERFORMANCE DATA			
FRAME NO.	132S	OUTPUT	3.7 KW	5	HP
ENCLOSURE	<input type="checkbox"/> DRIP PROOF	POLES	6	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"/> SOFT-STARTER			
FREQUENCY	60 Hz	RATED VOLTAGE	440 V	V	V
PHASE	3 PHASE	CURRENT			
SERVICE FACTOR	1.15	NO LOAD	3.9 A	A	A
INSULATION CLASS	F CLASS	FULL LOAD	7.7 A	A	A
TEMP. RISE AT FULL LOAD (at S.F 1.0)		STARTING	50.2 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	85.0		
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	74.0		
MOUNTING	<input checked="" type="checkbox"/> B3 <input type="checkbox"/> B5 <input type="checkbox"/> V1 <input type="checkbox"/> B3B5	SPEED (AT FULL LOAD)	1120	rpm	
BEARING	TYPE	TORQUE			
	DEW-DE	FULL LOAD	3.2	kg-m	100%
	LUBRICANT	LOCKED ROTOR	5.8	kg-m	180%
COUPLING METHOD	<input checked="" type="checkbox"/> DIRECT <input type="checkbox"/> V-BELT	BREAKDOWN	6.4	kg-m	200%
SHAFT		NOISE LEVEL	65.0	dB(A)	
EXTENSION	SINGLE	VIBRATION	30.0	μm	
EXTERNAL THRUST		ALLOWABLE LOAD GD ² REFERRED TO MOTOR SHAFT			
TERMINAL BOX		(AT DIRECT ON-LINE)	42.9	kg-m ²	
MAIN	<input checked="" type="checkbox"/> STEEL <input type="checkbox"/> AL <input type="checkbox"/> CAST	Motor GD ²	0.1530	kg-m ²	
AUX.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	MOTOR APPROX. WEIGHT	64.0	kg	
BOX LOCATION	LEFT (Viewed from Drive end)	PAINTING	MUNSELL NO. 7.1 B 4.0/0.9		
APPLICATION STANDARDS	KS.IEC		THICKNESS	<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> μm	

ACCESSORIES (OPTIONAL)		SUBMITTAL DRAWINGS			
TEMPERATURE DETECTOR		OUTLINE DIMENSION	DW-H-132S-CA		
WINDING	NO	S-T CURVE	ST-KMI-05HV8		
	TYPE	TERMINAL BOX DIMENSION	TB-3M95037		
BEARING	NO				
SPACE HEATER	NO				
	RATING				

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
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