



# INDUCTION MOTOR DATA SHEET

0.75 kW 6 P 90L

MODEL: KMH-01HV8

CUSTOMER :

COIL SPEC NO.:

REV. NO : 0

APPLICATION:

PROJECT NAME:

QUANTITY :

SETS

## GENERAL DATA

## PERFORMANCE DATA

FRAME NO.	90L	OUTPUT	0.75 kW
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- <input type="checkbox"/> REACTOR ( %TAP) <input type="checkbox"/> V.V.V.F <input type="checkbox"/> VECTOR-DRIVE
PROTECTION	IP 55	RATED VOLTAGE	440 V V
METHODS OF COOLING	<input type="checkbox"/> SC <input checked="" type="checkbox"/> FC <input type="checkbox"/> NV	FREQUENCY	60 Hz
PHASE	3 PHASE	CURRENT	
SERVICE FACTOR	1.15	NO LOAD	A A
INSULATION CLASS	F CLASS	FULL LOAD	1.9 A A
TEMP. RISE AT FULL LOAD (at S.F 1.0)		STARTING	11.4 A A
RES. METHOD	105 deg	EFFICIENCY	
THERMO. METHOD	deg	AT 1/2 LOAD	%
LOCATION	<input checked="" type="checkbox"/> INDOOR <input type="checkbox"/> OUTDOOR	AT 3/4 LOAD	%
ALTITUDE	1000 m	AT FULL LOAD	80.0 %
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	65.0 %
MOUNTING	<input checked="" type="checkbox"/> B3 <input type="checkbox"/> B5 <input type="checkbox"/> V1 <input type="checkbox"/> B3B5	SPEED (AT FULL LOAD)	1150 rpm
BEARING	TYPE	TORQUE	
	DEIN-DE	FULL LOAD	0.64 kg-m 100%
	LUBRICANT	LOCKED ROTOR	1.08 kg-m 170%
COUPLING METHOD	<input checked="" type="checkbox"/> DIRECT <input type="checkbox"/> V-BELT	BREAKDOWN	1.14 kg-m 180%
ROTATION(Facing Drive End)	<input type="checkbox"/> CW <input checked="" type="checkbox"/> CCW	NOISE LEVEL	61.0 dB(A)
SHAFT		VIBRATION	30.0 μm
EXTENSION	SINGLE	ALLOWABLE LOAD GD <sup>2</sup> REFERRED TO MOTOR SHAFT	
EXTERNAL THRUST	-	(AT DIRECT ON-LINE)	16.4 kg-m <sup>2</sup>
TERMINAL BOX		Motor GD <sup>2</sup>	0.017 kg-m <sup>2</sup>
MAIN	<input checked="" type="checkbox"/> STEEL <input type="checkbox"/> AL <input type="checkbox"/> CAST	MOTOR APPROX. WEIGHT	24 kg
AUX.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	PAINTING	
BOX LOCATION	LEFT (Viewed from Drive end)	MUNSELL NO.	5PB 2.5/8
APPLICATION STANDARDS	KS.IEC	THICKNESS	<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> μm

## ACCESSORIES (OPTIONAL)

## SUBMITTAL DRAWINGS

TEMPERATURE DETECTOR	OUTLINE DIMENSION	DW-KMH-01HV8
WINDING	SPEED-TORQUE CURVE	ST-KMH-01HV8
TYPE	TERMINAL BOX DIMENSION	TB-KMH-01HV8
BEARING		
TYPE		
SPACE HEATER		
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. HIGH EFFICIENCY MOTOR.
2. OTHERS NOT MENTIONED IN THIS SHEET SHALL BE IN ACCORDANCE WITH HIGEN MOTOR STANDARD.	
TE : TOTALLY ENCLOSED DP : DRIP PROOF	DATE PREPARED CHECKED APPROVED
FC : FAN COOLED SC : SELF COOLED	2015-07-14 S.D.YUN S.D.YUN K.I.HA