



INDUCTION MOTOR DATA SHEET

0.75 kW 2 P 80

MODEL: KMH-01HK3

CUSTOMER :

COIL SPEC NO.:

REV. NO : 0

APPLICATION:

PROJECT NAME:

QUANTITY :

SETS

GENERAL DATA

PERFORMANCE DATA

FRAME NO.	80	OUTPUT	0.75 kW
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	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	220 V 380 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	3.0 A 1.7 A
TEMP. RISE AT FULL LOAD (at S.F 1.0)		STARTING	21.0 A 12.1 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	75.5 %
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	87.0 %
MOUNTING	<input checked="" type="checkbox"/> B3 <input type="checkbox"/> B5 <input type="checkbox"/> V1 <input type="checkbox"/> B3B5	SPEED (AT FULL LOAD)	3450 rpm
BEARING	TYPE	TORQUE	
	DEIN-DE	FULL LOAD	0.21 kg-m 100%
	LUBRICANT	LOCKED ROTOR	0.38 kg-m 180%
COUPLING METHOD	<input checked="" type="checkbox"/> DIRECT <input type="checkbox"/> V-BELT	BREAKDOWN	0.42 kg-m 200%
ROTATION(Facing Drive End)	<input type="checkbox"/> CW <input checked="" type="checkbox"/> CCW	NOISE LEVEL	73.0 dB(A)
SHAFT		VIBRATION	25.0 μm
EXTENSION	SINGLE	ALLOWABLE LOAD GD ² REFERRED TO MOTOR SHAFT	
EXTERNAL THRUST	-	(AT DIRECT ON-LINE)	0.8 kg-m ²
TERMINAL BOX		Motor GD ²	0.0079 kg-m ²
MAIN	<input checked="" type="checkbox"/> STEEL <input type="checkbox"/> AL <input type="checkbox"/> CAST	MOTOR APPROX. WEIGHT	16 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-01HK3
WINDING	SPEED-TORQUE CURVE	ST-KMH-01HK3
TYPE	TERMINAL BOX DIMENSION	TB-KMH-01HK3
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