



INDUCTION MOTOR DATA SHEET

1.5 kW 6 P 100L

MODEL: KMH-02HK8 CUSTOMER : COIL SPEC NO.: REV. NO : 0
APPLICATION: PROJECT NAME: QUANTITY : SETS

GENERAL DATA				PERFORMANCE DATA							
FRAME NO.		100L		OUTPUT		1.5 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-					
PROTECTION		<input type="checkbox"/> REACTOR (%TAP) <input type="checkbox"/> V.V.V.F									
METHODS OF COOLING		<input type="checkbox"/> VECTOR-DRIVE									
PHASE		3 PHASE		RATED VOLTAGE		220 V 380 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		
RES. METHOD				FULL LOAD				6.6 A	3.8 A		
THERMO. METHOD				STARTING				36.3 A	21.0 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				86.5 %			
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		BALL / BALL		AT FULL LOAD				69.0 %	
		DEIN-DE		6206ZZ / 6205ZZ		SPEED (AT FULL LOAD)				1140 rpm	
		LUBRICANT		GREASE		TORQUE					
COUPLING METHOD		<input checked="" type="checkbox"/> DIRECT <input type="checkbox"/> V-BELT		FULL LOAD				1.28 kg-m	100%		
ROTATION(Facing Drive End)		<input type="checkbox"/> CW <input checked="" type="checkbox"/> CCW		LOCKED ROTOR				2.05 kg-m	160%		
SHAFT				BREAKDOWN				2.43 kg-m	190%		
EXTENSION		SINGLE		NOISE LEVEL				61.0 dB(A)			
		EXTERNAL THRUST		-		VIBRATION				30.0 μm	
TERMINAL BOX				ALLOWABLE LOAD GD ² REFERRED TO MOTOR SHAFT							
MAIN		<input checked="" type="checkbox"/> STEEL <input type="checkbox"/> AL <input type="checkbox"/> CAST		(AT DIRECT ON-LINE)				24.7 kg-m ²			
AUX.		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		Motor GD ²				0.0351 kg-m ²			
BOX LOCATION		LEFT (Viewed from Drive end)		MOTOR APPROX. WEIGHT				37 kg			
APPLICATION STANDARDS		KS.IEC		PAINTING		MUNSELL NO.		5PB 2.5 / 8			
				THICKNESS		<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> μm					
ACCESSORIES (OPTIONAL)				SUBMITTAL DRAWINGS							
TEMPERATURE DETECTOR				OUTLINE DIMENSION				DW-KMH-02HK8			
WINDING		NO		TERMINAL BOX DIMENSION				TB-KMH-02HK8			
		TYPE		-		SPEED-TORQUE CURVE				ST-KMH-02HK8	
		BEARING		NO							
TYPE		-									
		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 HIGEN MOTOR STANDARD.				2. HIGH EFFICIENCY MOTOR.							
TE : TOTALLY ENCLOSED		DP : DRIP PROOF		DATE		PREPARED		CHECKED	APPROVED		
FC : FAN COOLED		SC : SELF COOLED		2015-07-13		S.D.YUN		S.D.YUN	K.I.HA		