



INDUCTION MOTOR DATA SHEET

1.5 kW 4 P 90L

MODEL: KMH-02HK1		CUSTOMER :		COIL SPEC NO.:		REV. NO : 0	
APPLICATION:		PROJECT NAME:			QUANTITY : SETS		
GENERAL DATA				PERFORMANCE DATA			
FRAME NO.		90L		OUTPUT		1.5 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		<input type="checkbox"/> SC <input checked="" type="checkbox"/> FC <input type="checkbox"/> NV				<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	
				FULL LOAD		5.9 A 3.4 A	
				STARTING		44.5 A 25.8 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		84.0 %	
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		79.0 %	
		DEIN-DE 6205ZZ / 6204ZZ		SPEED (AT FULL LOAD) 1730 rpm			
		LUBRICANT GREASE		TORQUE			
COUPLING METHOD		<input checked="" type="checkbox"/> DIRECT <input type="checkbox"/> V-BELT		FULL LOAD		0.84 kg-m 100%	
ROTATION(Facing Drive End)		<input type="checkbox"/> CW <input checked="" type="checkbox"/> CCW		LOCKED ROTOR		1.60 kg-m 190%	
SHAFT				BREAKDOWN		1.69 kg-m 200%	
EXTENSION		SINGLE		NOISE LEVEL 67.0 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)		6.0 kg-m ²	
AUX.		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		Motor GD ²		0.0174 kg-m ²	
BOX LOCATION		LEFT (Viewed from Drive end)		MOTOR APPROX. WEIGHT		24 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-02HK1	
WINDING		NO		SPEED-TORQUE CURVE		ST-KMH-02HK1	
		TYPE -		TERMINAL BOX DIMENSION		TB-KMH-02HK1	
		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	
FC : FAN COOLED		SC : SELF COOLED		2015-07-13		S.D.YUN	
				CHECKED		APPROVED	
				S.D.YUN		K.I.HA	