



INDUCTION MOTOR DATA SHEET

2.2 kW 4 P 112S

MODEL: KMH-03HK1		CUSTOMER :		COIL SPEC NO.:		REV. NO : 0	
APPLICATION:		PROJECT NAME:			QUANTITY : SETS		
GENERAL DATA				PERFORMANCE DATA			
FRAME NO.		112S		OUTPUT		2.2 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"/> 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		8.5 A 4.9 A	
				STARTING		67.7 A 39.2 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		87.5 %	
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	
		DEIN-DE		6206ZZ / 6205ZZ		78.0 %	
		LUBRICANT		GREASE		SPEED (AT FULL LOAD)	
COUPLING METHOD		<input checked="" type="checkbox"/> DIRECT <input type="checkbox"/> V-BELT		TORQUE		FULL LOAD	
ROTATION(Facing Drive End)		<input type="checkbox"/> CW <input checked="" type="checkbox"/> CCW		LOCKED ROTOR		2.22 kg-m 180%	
SHAFT				BREAKDOWN		2.46 kg-m 200%	
EXTENSION		SINGLE		NOISE LEVEL		68.0 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)		12.0 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		34 kg	
APPLICATION STANDARDS		KS.IEC		PAINTING		MUNSELL NO.	
				THICKNESS		<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> μm	
ACCESSORIES (OPTIONAL)				SUBMITTAL DRAWINGS			
TEMPERATURE DETECTOR				OUTLINE DIMENSION		DW-KMH-03HK1	
WINDING		NO		TERMINAL BOX DIMENSION		TB-KMH-03HK1	
TYPE		-		SPEED-TORQUE CURVE		ST-KMH-03HK1	
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	