



INDUCTION MOTOR DATA SHEET

2.2 kW 4 P 100L

MODEL: KMH-03HK6 CUSTOMER : COIL SPEC NO.: REV. NO : 0
APPLICATION: PROJECT NAME: QUANTITY : SETS

GENERAL DATA				PERFORMANCE DATA				
FRAME NO.		100L		OUTPUT		2.2 kW		
ENCLOSURE		☐ DRIP PROOF		POLES		4 POLES		
		☒ TOTALLY ENCLOSED		ROTOR TYPE		SQUIRREL CAGE		
		☐ Increased Safety Exp.-proof		STARTING METHOD		☒ D.O.L ☐ Y-△		
PROTECTION		☐ REACTOR (%TAP) ☐ V.V.V.F						
METHODS OF COOLING		☐ VECTOR-DRIVE						
PHASE		3 PHASE		RATED VOLTAGE		440 V 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		105 °C		FULL LOAD		4.0 A A		
THERMO. METHOD		°C		STARTING		34.2 A A		
LOCATION		☒ INDOOR ☐ OUTDOOR		EFFICIENCY				
ALTITUDE		1000 m		AT 1/2 LOAD		% %		
HUMIDITY		80 %		AT 3/4 LOAD		% %		
AMBIENT TEMPERATURE		-10~40 °C		AT FULL LOAD		87.5 %		
RATING		☒ CONT. ☐ %ED		POWER FACTOR				
NEMA DESIGN		B		AT 1/2 LOAD		% %		
MOUNTING		☒ B3 ☐ B5 ☐ V1 ☐ B3B5		AT 3/4 LOAD		% %		
BEARING		TYPE BALL / BALL		AT FULL LOAD		82.0 %		
		DEIN-DE 6206ZZ / 6205ZZ		SPEED (AT FULL LOAD) 1730 rpm				
		LUBRICANT GREASE		TORQUE				
COUPLING METHOD		☒ DIRECT ☐ V-BELT		FULL LOAD		1.24 kg-m 100%		
ROTATION(Facing Drive End)		☐ CW ☒ CCW		LOCKED ROTOR		2.23 kg-m 180%		
SHAFT				BREAKDOWN		2.48 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		☒ STEEL ☐ AL ☐ CAST		(AT DIRECT ON-LINE)		12.0 kg-m ²		
AUX.		☐ YES ☒ NO		Motor GD ²		0.0351 kg-m ²		
BOX LOCATION		LEFT (Viewed from Drive end)		MOTOR APPROX. WEIGHT		32 kg		
APPLICATION STANDARDS		KS.IEC		PAINTING		MUNSELL NO. 5PB 2.5 / 8		
				THICKNESS		☒ STANDARD ☐ μm		
ACCESSORIES (OPTIONAL)				SUBMITTAL DRAWINGS				
TEMPERATURE DETECTOR				OUTLINE DIMENSION		DW-KMH-03HK6		
WINDING		NO		TERMINAL BOX DIMENSION		TB-KMH-03HK6		
TYPE		-		SPEED-TORQUE CURVE		ST-KMH-03HK6		
BEARING		NO						
TYPE		-						
SPACE HEATER		NO						
RATING		-						
NOTE		REMARKS						
1. THESE DATA ARE ONLY DESIGN VALUES AND SHALL BE		1. ABOVE ALL DATA ARE CALCULATED AT 100% VOLTAGE.						
GUARANTEED WITH TOLERANCE OF APPLICATION STANDARDS.		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		2015-07-13		S.D.YUN	S.D.YUN	K.I.HA