



INDUCTION MOTOR DATA SHEET

1.5 kW 2 P 90L

MODEL: KMH-02HK3 CUSTOMER : COIL SPEC NO.: REV. NO : 0
APPLICATION: PROJECT NAME: QUANTITY : SETS

GENERAL DATA				PERFORMANCE DATA			
FRAME NO.	90L			OUTPUT	1.5 kW		
ENCLOSURE	☐ DRIP PROOF			POLES	2 POLES		
	☒ TOTALLY ENCLOSED			ROTOR TYPE	SQUIRREL CAGE		
	☐ Increased Safety Exp.-proof			STARTING METHOD	☒ D.O.L ☐ Y-Δ		
PROTECTION	IP 55				☐ REACTOR (%TAP) ☐ V.V.V.F		
METHODS OF COOLING	☐ SC ☒ FC ☐ NV				☐ 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		105 deg		FULL LOAD	5.8 A		3.3 A
THERMO. METHOD		deg		STARTING	43.4 A		25.1 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	84.0 %		
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	81.0 %		
	DEIN-DE	6205ZZ / 6204ZZ		SPEED (AT FULL LOAD)			
	LUBRICANT	GREASE		3500 rpm			
COUPLING METHOD				TORQUE			
☒ DIRECT ☐ V-BELT				FULL LOAD	0.42 kg-m		100%
ROTATION(Facing Drive End)				LOCKED ROTOR	0.75 kg-m		180%
SHAFT				BREAKDOWN	0.83 kg-m		200%
EXTENSION		SINGLE		NOISE LEVEL			
EXTERNAL THRUST		-		75.0 dB(A)			
TERMINAL BOX				VIBRATION			
MAIN				25.0 μm			
AUX.				ALLOWABLE LOAD GD ² REFERRED TO MOTOR SHAFT			
BOX LOCATION				(AT DIRECT ON-LINE)		1.6 kg-m ²	
APPLICATION STANDARDS				Motor GD ²		0.0128 kg-m ²	
KS.IEC				MOTOR APPROX. WEIGHT		24 kg	
PAINTING				MUNSELL NO.		5PB 2.5/8	
THICKNESS				☒ STANDARD ☐ μm			
ACCESSORIES (OPTIONAL)				SUBMITTAL DRAWINGS			
TEMPERATURE DETECTOR				OUTLINE DIMENSION		DW-KMH-02HK3	
WINDING		NO		SPEED-TORQUE CURVE		ST-KMH-02HK3	
TYPE		-		TERMINAL BOX DIMENSION		TB-KMH-02HK3	
BEARING		NO					
TYPE		-					
SPACE HEATER							
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		2015-07-14	S.D.YUN	S.D.YUN	K.I.HA