



INDUCTION MOTOR DATA SHEET

3.7 kW 6 P 132S

MODEL: KMH-05HK8	CUSTOMER :	COIL SPEC NO.:	REV. NO : 0
APPLICATION:	PROJECT NAME:	QUANTITY :	SETS

GENERAL DATA				PERFORMANCE DATA			
FRAME NO.		132S		OUTPUT		3.7 kW	
ENCLOSURE		☐ DRIP PROOF		POLES		6 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	
				FULL LOAD		14.8 A 8.6 A	
				STARTING		96.2 A 55.7 A	
RES. METHOD 105 deg							
THERMO. METHOD deg							
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 DEIN-DE 6208ZZ / 6206ZZ LUBRICANT GREASE		AT FULL LOAD		75.0 %			
		SPEED (AT FULL LOAD)		1140 rpm			
		TORQUE					
COUPLING METHOD ☒ DIRECT ☐ V-BELT		FULL LOAD		3.16 kg-m		100%	
ROTATION(Facing Drive End) ☐ CW ☒ CCW		LOCKED ROTOR		4.74 kg-m		150%	
SHAFT		BREAKDOWN		6.00 kg-m		190%	
EXTENSION SINGLE		NOISE LEVEL		65.0 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)		42.9 kg-m ²			
AUX. ☐ YES ☒ NO		Motor GD ²		0.153 kg-m ²			
BOX LOCATION LEFT (Viewed from Drive end)		MOTOR APPROX. WEIGHT		66 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-05HK8	
WINDING NO		SPEED-TORQUE CURVE		ST-KMH-05HK8			
TYPE -		TERMINAL BOX DIMENSION		TB-KMH-05HK8			
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		2015-07-16		O.S.KANG	
				CHECKED		APPROVED	
				K.I.HA		K.I.HA	