



INDUCTION MOTOR DATA SHEET

7.5 kW 2 P 132S

MODEL: KMH-10HK3	CUSTOMER :	COIL SPEC NO.:	REV. NO : 0
APPLICATION:	PROJECT NAME:	QUANTITY :	SETS

GENERAL DATA				PERFORMANCE DATA			
FRAME NO.		132S		OUTPUT		7.5 kW	
ENCLOSURE		☐ DRIP PROOF		POLES		2 POLES	
		☒ TOTALLY ENCLOSED		ROTOR TYPE		SQUIRREL CAGE	
		☐ Increased Safety Exp.-proof		STARTING METHOD		☒ D.O.L ☐ Y-△	
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		24.0		A 13.9 A	
		STARTING		168.2		A 97.4 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		89.5		%	
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		91.5		%	
		SPEED (AT FULL LOAD)		3530		rpm	
		TORQUE					
COUPLING METHOD ☒ DIRECT ☐ V-BELT		FULL LOAD		2.07		kg-m 100%	
ROTATION(Facing Drive End) ☐ CW ☒ CCW		LOCKED ROTOR		3.10		kg-m 150%	
SHAFT		BREAKDOWN		4.14		kg-m 200%	
EXTENSION SINGLE		NOISE LEVEL		84.0		dB(A)	
EXTERNAL THRUST -		VIBRATION		25.0		μm	
TERMINAL BOX		ALLOWABLE LOAD GD² REFERRED TO MOTOR SHAFT					
MAIN ☒ STEEL ☐ AL ☐ CAST		(AT DIRECT ON-LINE)		5.9		kg-m²	
AUX. ☐ YES ☒ NO		Motor GD²		0.116		kg-m²	
BOX LOCATION LEFT (Viewed from Drive end)		MOTOR APPROX. WEIGHT		68		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-10HK3			
WINDING NO		SPEED-TORQUE CURVE		ST-KMH-10HK3			
TYPE -		TERMINAL BOX DIMENSION		TB-KMH-10HK3			
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		CHECKED	
FC : FAN COOLED SC : SELF COOLED		2015-07-16		O.S.KANG		K.I.HA	
				APPROVED		K.I.HA	