



INDUCTION MOTOR DATA SHEET

2.2 kW 6 P FF215

MODEL: KMH-03HK8F	CUSTOMER :	COIL SPEC NO.:	REV. NO : 0
APPLICATION:	PROJECT NAME:	QUANTITY :	SETS

GENERAL DATA				PERFORMANCE DATA			
FRAME NO.		FF215		OUTPUT		2.2 kW	
ENCLOSURE		☐ DRIP PROOF		POLES		6 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		9.3 A 5.4 A	
				STARTING		55.8 A 32.3 A	
LOCATION ☒ INDOOR ☐ 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 ☒ 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 6207ZZ / 6205ZZ LUBRICANT GREASE		AT FULL LOAD		71.0 %			
		SPEED (AT FULL LOAD)		1150 rpm			
		TORQUE					
COUPLING METHOD ☒ DIRECT ☐ V-BELT		FULL LOAD		1.86 kg-m		100%	
ROTATION(Facing Drive End) ☐ CW ☒ CCW		LOCKED ROTOR		2.98 kg-m		160%	
SHAFT		BREAKDOWN		3.54 kg-m		190%	
EXTENSION SINGLE		NOISE LEVEL		63.0 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)		29.3 kg-m ²			
AUX. ☐ YES ☒ NO		Motor GD ²		0.058 kg-m ²			
BOX LOCATION LEFT (Viewed from Drive end)		MOTOR APPROX. WEIGHT		44 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-03HK8F	
WINDING NO		TERMINAL BOX DIMENSION		TB-KMH-03HK8F			
TYPE -		SPEED-TORQUE CURVE		ST-KMH-03HK8F			
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				2015-07-13		S.D.YUN	S.D.YUN
						APPROVED	K.I.HA