



INDUCTION MOTOR DATA SHEET

3.7 kW 4 P FF215

MODEL: KMH-05HV1F		CUSTOMER :		COIL SPEC NO.:		REV. NO : 0		
APPLICATION:		PROJECT NAME:			QUANTITY : SETS			
GENERAL DATA				PERFORMANCE DATA				
FRAME NO.		FF215		OUTPUT		3.7 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		FULL LOAD		6.7 A A		
THERMO. METHOD				STARTING		60.2 A 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		AT FULL LOAD		
		DEIN-DE		6207ZZ / 6205ZZ		83.0 %		
		LUBRICANT		GREASE		SPEED (AT FULL LOAD)		
COUPLING METHOD		☒ DIRECT ☐ V-BELT		TORQUE				
ROTATION(Facing Drive End)		☐ CW ☒ CCW		FULL LOAD		2.06 kg-m 100%		
SHAFT				LOCKED ROTOR		3.50 kg-m 170%		
				BREAKDOWN		4.12 kg-m 200%		
		EXTENSION		SINGLE		NOISE LEVEL		
EXTERNAL THRUST		-		VIBRATION		72.0 dB(A)		
TERMINAL BOX				ALLOWABLE LOAD GD ² REFERRED TO MOTOR SHAFT				
MAIN		☒ STEEL ☐ AL ☐ CAST		(AT DIRECT ON-LINE)		15.3 kg-m ²		
AUX.		☐ YES ☒ NO		Motor GD ²		0.06 kg-m ²		
BOX LOCATION		LEFT (Viewed from Drive end)		MOTOR APPROX. WEIGHT		48 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-05HV1F		
WINDING		NO		TERMINAL BOX DIMENSION		TB-KMH-05HV1F		
TYPE		-		SPEED-TORQUE CURVE		ST-KMH-05HV1F		
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