



INDUCTION MOTOR DATA SHEET

3.7 kW 4 P FF215

MODEL: KMH-05HK1F	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		☒ D.O.L ☐ Y-	
PROTECTION	IP 55	STARTING METHOD	☐ 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	FULL LOAD	13.2 A 7.6 A	
THERMO. METHOD		STARTING	118.9 A 68.8 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	AT FULL LOAD	84.0 %	
	DEIN-DE	6207ZZ / 6205ZZ	SPEED (AT FULL LOAD)	1750 rpm
	LUBRICANT	GREASE	TORQUE	
COUPLING METHOD	☒ DIRECT ☐ V-BELT	FULL LOAD	2.06 kg-m 100%	
ROTATION(Facing Drive End)	☐ CW ☒ CCW	LOCKED ROTOR	3.50 kg-m 170%	
SHAFT		BREAKDOWN	4.12 kg-m 200%	
EXTENSION	SINGLE	NOISE LEVEL	72.0 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)	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-05HK1F
WINDING	NO	TERMINAL BOX DIMENSION	TB-KMH-05HK1F
TYPE	-	SPEED-TORQUE CURVE	ST-KMH-05HK1F
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 APPROVED
FC : FAN COOLED SC : SELF COOLED	2015-07-13 S.D.YUN S.D.YUN K.I.HA