



INDUCTION MOTOR DATA SHEET

2.2 kW 2 P FF165

MODEL: KMH-03HK3F

CUSTOMER :

COIL SPEC NO.:

REV. NO : 0

APPLICATION:

PROJECT NAME:

QUANTITY :

SETS

GENERAL DATA**PERFORMANCE DATA**

FRAME NO.	FF165		OUTPUT	2.2 kW	
ENCLOSURE	☐ DRIP PROOF		POLES	2 POLES	
	☒ TOTALLY ENCLOSED		ROTOR TYPE	SQUIRREL CAGE	
	☐ Increased Safety Exp.-proof		STARTING METHOD	☒ D.O.L ☐ Y- ☐ REACTOR (%TAP) ☐ V.V.V.F ☐ VECTOR-DRIVE	
PROTECTION	IP 55		RATED VOLTAGE	220 V	380 V
METHODS OF COOLING	☐ SC ☒ FC ☐ NV		FREQUENCY	60 Hz	
PHASE	3 PHASE		CURRENT		
SERVICE FACTOR	1.15		NO LOAD	A	A
INSULATION CLASS	F CLASS		FULL LOAD	7.8 A	4.5 A
TEMP. RISE AT FULL LOAD (at S.F 1.0)			STARTING	54.3 A	31.5 A
RES. METHOD	105 deg		EFFICIENCY		
THERMO. METHOD	deg		AT 1/2 LOAD	%	
LOCATION	☒ INDOOR ☐ OUTDOOR		AT 3/4 LOAD	%	
ALTITUDE	1000 m		AT FULL LOAD	85.5 %	
HUMIDITY	80 %		POWER FACTOR		
AMBIENT TEMPERATURE	-10~40		AT 1/2 LOAD	%	
RATING	☒ CONT. ☐ %ED		AT 3/4 LOAD	%	
NEMA DESIGN	B		AT FULL LOAD	87.0 %	
MOUNTING	☐ B3 ☒ B5 ☒ V1 ☐ B3B5		SPEED (AT FULL LOAD)	3500 rpm	
BEARING	TYPE	BALL / BALL	TORQUE		
	DEIN-DE	6205ZZ / 6204ZZ	FULL LOAD	0.61 kg-m	100%
	LUBRICANT	GREASE	LOCKED ROTOR	1.04 kg-m	170%
COUPLING METHOD	☒ DIRECT ☐ V-BELT		BREAKDOWN	1.22 kg-m	200%
ROTATION(Facing Drive End)	☐ CW ☒ CCW		NOISE LEVEL	77.0 dB(A)	
SHAFT			VIBRATION	25.0 μ m	
EXTENSION	SINGLE		ALLOWABLE LOAD GD ² REFERRED TO MOTOR SHAFT		
EXTERNAL THRUST	-		(AT DIRECT ON-LINE)	2.3 kg-m ²	
TERMINAL BOX			Motor GD ²	0.0197 kg-m ²	
MAIN	☒ STEEL ☐ AL ☐ CAST		MOTOR APPROX. WEIGHT	28 kg	
AUX.	☐ YES ☒ NO		PAINING	MUNSELL NO.	5PB 2.5/8
BOX LOCATION	LEFT (Viewed from Drive end)		THICKNESS	☒ STANDARD ☐ μ m	
APPLICATION STANDARDS	KS.IEC				

ACCESSORIES (OPTIONAL)**SUBMITTAL DRAWINGS**

TEMPERATURE DETECTOR	OUTLINE DIMENSION	DW-KMH-03HK3F
WINDING	SPEED-TORQUE CURVE	ST-KMH-03HK3F
TYPE	TERMINAL BOX DIMENSION	TB-KMH-03HK3F
BEARING		
TYPE		
SPACE HEATER		
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. 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	2015-07-14 S.D.YUN S.D.YUN K.I.HA