



INDUCTION MOTOR DATA SHEET

1.5 kW 4 P FF165

MODEL: KMH-02HV1F		CUSTOMER :		COIL SPEC NO.:		REV. NO : 0	
APPLICATION:		PROJECT NAME:			QUANTITY : SETS		
GENERAL DATA				PERFORMANCE DATA			
FRAME NO.		FF165		OUTPUT		1.5 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	
				FULL LOAD		3.0 A A	
				STARTING		22.2 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		84.0 %	
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		6205ZZ / 6204ZZ		79.0 %	
		LUBRICANT		GREASE		SPEED (AT FULL LOAD)	
COUPLING METHOD		☒ DIRECT ☐ V-BELT		TORQUE			
ROTATION(Facing Drive End)		☐ CW ☒ CCW		FULL LOAD		0.84 kg-m 100%	
SHAFT				LOCKED ROTOR		1.60 kg-m 190%	
				BREAKDOWN		1.69 kg-m 200%	
		EXTENSION		SINGLE		NOISE LEVEL	
EXTERNAL THRUST		-		VIBRATION		67.0 dB(A)	
TERMINAL BOX				ALLOWABLE LOAD GD ² REFERRED TO MOTOR SHAFT			
MAIN		☒ STEEL ☐ AL ☐ CAST		(AT DIRECT ON-LINE)		6.0 kg-m ²	
AUX.		☐ YES ☒ NO		Motor GD ²		0.0174 kg-m ²	
BOX LOCATION		LEFT (Viewed from Drive end)		MOTOR APPROX. WEIGHT		28 kg	
APPLICATION STANDARDS		KS.IEC		PAINTING		MUNSELL NO.	
				THICKNESS		☒ STANDARD ☐ μm	
ACCESSORIES (OPTIONAL)				SUBMITTAL DRAWINGS			
TEMPERATURE DETECTOR				OUTLINE DIMENSION		DW-KMH-02HV1F	
WINDING				SPEED-TORQUE CURVE		ST-KMH-02HV1F	
				TERMINAL BOX DIMENSION		TB-KMH-02HV1F	
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. 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