

		INDUCTION MOTOR DATA SHEET		25 HP - 4 P	
MODEL: KMH-25HU1F		CUSTOMER :		REV. NO : 0	
APPLICATION:		PROJECT NAME:		QUANTITY : SETS	
GENERAL DATA			PERFORMANCE DATA		
FRAME NO.		FF300		OUTPUT 18.5 kW 25 HP	
ENCLOSURE	☐ DRIP PROOF		POLES 4 POLES		
	☒ TOTALLY ENCLOSED		ROTOR TYPE SQUIRREL CAGE		
	☐ Increased Safety Exp.-proof		☐ D.O.L ☒ Y-△ ☐ REACTOR (%TAP) ☐ V.V.V.F ☐ SOFT-STARTER		
PROTECTION IP 54		STARTING METHOD			
METHODS OF COOLING ☐ SC ☒ FC ☐					
FREQUENCY 60 Hz		RATED VOLTAGE 380 V		V V	
PHASE 3 PHASE		CURRENT			
SERVICE FACTOR 1.15		NO LOAD		13.0 A	A A
INSULATION CLASS F CLASS		FULL LOAD		36.0 A	A A
TEMP. RISE AT FULL LOAD (at S.F 1.0)		STARTING		280.6 A	A A
RES. METHOD 105 °C		EFFICIENCY			
THERMO. METHOD °C		AT 1/2 LOAD %			
LOCATION ☒ INDOOR ☐ OUTDOOR		AT 3/4 LOAD %			
ALTITUDE 1000 m		AT FULL LOAD 93.0 %			
HUMIDITY 80 %		POWER FACTOR			
AMBIENT TEMPERATURE -10~40 °C		AT 1/2 LOAD %			
RATING ☒ CONT. ☐ %ED		AT 3/4 LOAD %			
NEMA DESIGN B		AT FULL LOAD 84.0 %			
MOUNTING ☐ B3 ☒ B5 ☒ V1 ☐ B3B5		SPEED (AT FULL LOAD)		1765	rpm
BEARING	TYPE BALL		TORQUE		
	DEVN-DE 6312ZZ / 6309ZZ		FULL LOAD 10.2 kg-m 100%		
	LUBRICANT GREASE		LOCKED ROTOR 19.4 kg-m 190%		
COUPLING METHOD ☒ DIRECT ☐ V-BELT		BREAKDOWN		22.5	kg-m 220%
SHAFT		NOISE LEVEL 82.0		dB(A)	
EXTENSION SINGLE		VIBRATION 30.0		μm	
EXTERNAL THRUST		ALLOWABLE LOAD GD ² REFERRED TO MOTOR SHAFT			
TERMINAL BOX		(AT DIRECT ON-LINE)		65.0	kg-m ²
MAIN ☐ STEEL ☐ AL ☒ CAST		Motor GD ²		0.6545	kg-m ²
AUX. ☐ YES ☒ NO		MOTOR APPROX. WEIGHT		190.0	kg
BOX LOCATION LEFT (Viewed from Drive end)		PAINTING	MUNSELL NO.	5 PB 6/1.5	
APPLICATION STANDARDS KS.IEC		THICKNESS		☒ STANDARD	μm
ACCESSORIES (OPTIONAL)			SUBMITTAL DRAWINGS		
TEMPERATURE DETECTOR			OUTLINE DIMENSION		DW-V-180M-CAT
WINDING NO			S-T CURVE		ST-KMH-25HU1
TYPE			TERMINAL BOX DIMENSION		TB-3040KK2003
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 STANDARD.					
FC : FAN COOLED SC : SELF COOLED			DATE	PREPARED	CHECKED
			2008-05-02	J.S.PARK	J.S.PARK
					APPROVED
					H.T.KIM