

HIGEN		INDUCTION MOTOR DATA SHEET		25 HP - 4 P	
MODEL: KMI-25HU1		CUSTOMER :		REV. NO : 0	
APPLICATION:		PROJECT NAME:		QUANTITY : SETS	
GENERAL DATA			PERFORMANCE DATA		
FRAME NO.		180M		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-△	
PROTECTION		IP 44		STARTING METHOD ☐ REACTOR (%TAP) ☐ V.V.V.F	
METHODS OF COOLING		☐ SC ☒ FC ☐		☐ SOFT-STARTER	
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 37.2 A A A	
TEMP. RISE AT FULL LOAD (at S.F 1.0)				STARTING 279.1 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 91.0 %	
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 83.0 %	
MOUNTING		☒ B3 ☐ B5 ☐ V1 ☐ B3B5		SPEED (AT FULL LOAD) 1760 rpm	
BEARING		TYPE BALL		TORQUE	
		DEIN-DE 6311ZZ / 6309ZZ		FULL LOAD 10.2 kg-m 100%	
		LUBRICANT GREASE		LOCKED ROTOR 18.4 kg-m 180%	
COUPLING METHOD		☒ DIRECT ☐ V-BELT		BREAKDOWN 20.5 kg-m 200%	
SHAFT				NOISE LEVEL 82.0 dB(A)	
EXTENSION		SINGLE		VIBRATION 30.0 μm	
EXTERNAL THRUST				ALLOWABLE LOAD GD² REFERRED TO MOTOR SHAFT	
TERMINAL BOX				(AT DIRECT ON-LINE) 65.0 kg-m²	
MAIN		☒ STEEL ☐ AL ☐ CAST		Motor GD² 0.6545 kg-m²	
AUX.		☐ YES ☒ NO		MOTOR APPROX. WEIGHT 170.0 kg	
BOX LOCATION		LEFT (Viewed from Drive end)		PAINTING MUNSSELL NO. 7.1 B 4.0/0.9	
APPLICATION STANDARDS		KS.IEC		THICKNESS ☒ STANDARD ☐ μm	
ACCESSORIES (OPTIONAL)			SUBMITTAL DRAWINGS		
TEMPERATURE DETECTOR			OUTLINE DIMENSION DW-H-180M-CA		
WINDING			S-T CURVE ST-KMI-25HU1		
TYPE			TERMINAL BOX DIMENSION TB-2M95115		
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 STANDARD.					
FC : FAN COOLED SC : SELF COOLED			DATE PREPARED CHECKED APPROVED		
			2008-05-02 J.S.PARK J.S.PARK H.T.KIM		