

		INDUCTION MOTOR DATA SHEET		15 HP - 4 P	
MODEL: KMI-15HU1		CUSTOMER :		REV. NO : 0	
APPLICATION:		PROJECT NAME:		QUANTITY : SETS	
GENERAL DATA			PERFORMANCE DATA		
FRAME NO.		160M		OUTPUT 11 kW 15 HP	
ENCLOSURE	☐ DRIP PROOF		POLES 4 POLES		
	☒ TOTALLY ENCLOSED		ROTOR TYPE SQUIRREL CAGE		
	☐ Increased Safety Exp.-proof		STARTING METHOD ☐ D.O.L ☒ Y- ☐ REACTOR (%TAP) ☐ V.V.V.F		
PROTECTION	IP 44		SOFT-STARTER ☐		
METHODS OF COOLING	☐ SC ☒ FC ☐		RATED VOLTAGE 380 V V V		
FREQUENCY	60 Hz		CURRENT		
PHASE	3 PHASE		NO LOAD 8.8 A A A		
SERVICE FACTOR	1.15		FULL LOAD 22.6 A A A		
INSULATION CLASS	F CLASS		STARTING 176.6 A A A		
TEMP. RISE AT FULL LOAD (at S.F 1.0)			EFFICIENCY		
RES. METHOD		105		AT 1/2 LOAD %	
THERMO. METHOD				AT 3/4 LOAD %	
LOCATION	☒ INDOOR ☐ OUTDOOR		AT FULL LOAD 90.0 %		
ALTITUDE	1000 m		POWER FACTOR		
HUMIDITY	80 %		AT 1/2 LOAD %		
AMBIENT TEMPERATURE	-10~40		AT 3/4 LOAD %		
RATING	☒ CONT. ☐ %ED		AT FULL LOAD 82.0 %		
NEMA DESIGN	B		SPEED (AT FULL LOAD) 1760 rpm		
MOUNTING	☒ B3 ☐ B5 ☐ V1 ☐ B3B5		TORQUE		
BEARING	TYPE	BALL		FULL LOAD 6.1 kg-m 100%	
	DEIN-DE	6309ZZ / 6307ZZ		LOCKED ROTOR 11.0 kg-m 180%	
	LUBRICANT	GREASE		BREAKDOWN 12.8 kg-m 210%	
COUPLING METHOD	☒ DIRECT ☐ V-BELT		NOISE LEVEL 78.0 dB(A)		
SHAFT			VIBRATION 30.0 μm		
EXTENSION		SINGLE		ALLOWABLE LOAD GD ² REFERRED TO MOTOR SHAFT	
EXTERNAL THRUST				(AT DIRECT ON-LINE) 37.8 kg-m ²	
TERMINAL BOX			Motor GD ² 0.2869 kg-m ²		
MAIN		☒ STEEL ☐ AL ☐ CAST		MOTOR APPROX. WEIGHT 107.0 kg	
AUX.		☐ YES ☒ NO		PAINTING MUNSSELL NO. 7.1 B 4.0/0.9	
BOX LOCATION		LEFT (Viewed from Drive end)		THICKNESS ☒ STANDARD ☐ μm	
APPLICATION STANDARDS			KS.IEC		
ACCESSORIES (OPTIONAL)			SUBMITTAL DRAWINGS		
TEMPERATURE DETECTOR			OUTLINE DIMENSION DW-H-160M-CA		
WINDING		NO		S-T CURVE ST-KMI-15HU1	
TYPE				TERMINAL BOX DIMENSION TB-2M95115	
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