

HIGEN		INDUCTION MOTOR DATA SHEET		15 HP - 6 P	
MODEL: KMI-15HU8		CUSTOMER :		REV. NO : 0	
APPLICATION:		PROJECT NAME:		QUANTITY : SETS	
GENERAL DATA			PERFORMANCE DATA		
FRAME NO.		160L		OUTPUT 11 kW 15 HP	
ENCLOSURE	☐ DRIP PROOF		POLES 6 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 44		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		8.1 A A A	
INSULATION CLASS F CLASS		FULL LOAD		22.5 A A A	
TEMP. RISE AT FULL LOAD (at S.F 1.0)		STARTING		146.3 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		90.0 %	
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		82.5 %	
MOUNTING ☒ B3 ☐ B5 ☐ V1 ☐ B3B5		SPEED (AT FULL LOAD)		1160 rpm	
BEARING	TYPE	BALL		TORQUE	
	DEIN-DE	6309ZZ / 6307ZZ		FULL LOAD 9.2 kg-m 100%	
	LUBRICANT	GREASE		LOCKED ROTOR 15.7 kg-m 170%	
COUPLING METHOD ☒ DIRECT ☐ V-BELT		BREAKDOWN		18.5 kg-m 200%	
SHAFT		NOISE LEVEL 72.0 dB(A)			
EXTENSION		SINGLE		VIBRATION 30.0 μm	
EXTERNAL THRUST		ALLOWABLE LOAD GD ² REFERRED TO MOTOR SHAFT			
TERMINAL BOX		(AT DIRECT ON-LINE)		117.0 kg-m ²	
MAIN ☒ STEEL ☐ AL ☐ CAST		Motor GD ²		0.5570 kg-m ²	
AUX. ☐ YES ☒ NO		MOTOR APPROX. WEIGHT		143.0 kg	
BOX LOCATION LEFT (Viewed from Drive end)		PAINTING		MUNSELL 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-160L-CA		
WINDING NO			S-T CURVE ST-KMI-15HU8		
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 APPROVED		
			2008-05-02 J.S.PARK J.S.PARK H.T.KIM		