

HIGEN		INDUCTION MOTOR DATA SHEET		15 HP - 2 P	
MODEL: KMI-15HZ3		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 2 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 480 V V V	
PHASE		3 PHASE		CURRENT	
SERVICE FACTOR		1.15		NO LOAD 6.0 A A A	
INSULATION CLASS		F CLASS		FULL LOAD 18.1 A A A	
TEMP. RISE AT FULL LOAD (at S.F 1.0)				STARTING 117.7 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 88.0 %	
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) 3530 rpm	
BEARING		TYPE BALL		TORQUE	
		DEIN-DE 6309ZZC3/6307ZZ		FULL LOAD 3.0 kg-m 100%	
		LUBRICANT GREASE		LOCKED ROTOR 5.5 kg-m 180%	
COUPLING METHOD		☒ DIRECT ☐ V-BELT		BREAKDOWN 6.7 kg-m 220%	
SHAFT				NOISE LEVEL 87.0 dB(A)	
EXTENSION		SINGLE		VIBRATION 25.0 μm	
EXTERNAL THRUST				ALLOWABLE LOAD GD ² REFERRED TO MOTOR SHAFT	
TERMINAL BOX				(AT DIRECT ON-LINE) 7.2 kg-m ²	
MAIN		☒ STEEL ☐ AL ☐ CAST		Motor GD ² 0.1620 kg-m ²	
AUX.		☐ YES ☒ NO		MOTOR APPROX. WEIGHT 110.0 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-160M-CA		
WINDING			S-T CURVE ST-KMI-15HZ3		
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 OTIS STANDARD.					
FC : FAN COOLED SC : SELF COOLED			DATE PREPARED CHECKED APPROVED		
			2006-11-23 B.K.KIM J.S.PARK H.T.KIM		