

		INDUCTION MOTOR DATA SHEET		30 HP - 2 P	
MODEL: KMI-30HU3		CUSTOMER :		REV. NO : 0	
APPLICATION:		PROJECT NAME:		QUANTITY : SETS	
GENERAL DATA			PERFORMANCE DATA		
FRAME NO.		180M		OUTPUT 22 kW 30 HP	
ENCLOSURE	<input type="checkbox"/> DRIP PROOF		POLES 2 POLES		
	<input checked="" type="checkbox"/> TOTALLY ENCLOSED		ROTOR TYPE SQUIRREL CAGE		
	<input type="checkbox"/> Increased Safety Exp.-proof		<input type="checkbox"/> D.O.L <input checked="" type="checkbox"/> Y-△ <input type="checkbox"/> REACTOR (%TAP) <input type="checkbox"/> V.V.V.F <input type="checkbox"/> SOFT-STARTER		
PROTECTION IP 44		STARTING METHOD			
METHODS OF COOLING <input type="checkbox"/> SC <input checked="" type="checkbox"/> FC <input type="checkbox"/>					
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		43.2 A	A A
TEMP. RISE AT FULL LOAD (at S.F 1.0)		STARTING		339.0 A	A A
RES. METHOD 105 °C		EFFICIENCY			
THERMO. METHOD °C		AT 1/2 LOAD		%	
LOCATION <input checked="" type="checkbox"/> INDOOR <input type="checkbox"/> 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 <input checked="" type="checkbox"/> CONT. <input type="checkbox"/> %ED		AT 3/4 LOAD		%	
NEMA DESIGN B		AT FULL LOAD		86.0	%
MOUNTING <input checked="" type="checkbox"/> B3 <input type="checkbox"/> B5 <input type="checkbox"/> V1 <input type="checkbox"/> B3B5		SPEED (AT FULL LOAD)		3550	rpm
BEARING	TYPE	BALL			
	DEW-DE	6311ZZC3 / 6309ZZ			
	LUBRICANT	GREASE			
COUPLING METHOD <input checked="" type="checkbox"/> DIRECT <input type="checkbox"/> V-BELT		TORQUE			
SHAFT		NOISE LEVEL		90.0	dB(A)
EXTENSION		SINGLE		VIBRATION 25.0 μm	
EXTERNAL THRUST		ALLOWABLE LOAD GD ² REFERRED TO MOTOR SHAFT			
TERMINAL BOX		(AT DIRECT ON-LINE)		14.3	kg-m ²
MAIN <input checked="" type="checkbox"/> STEEL <input type="checkbox"/> AL <input type="checkbox"/> CAST		Motor GD ²		0.4285	kg-m ²
AUX. <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		MOTOR APPROX. WEIGHT		177.0	kg
BOX LOCATION LEFT (Viewed from Drive end)		PAINTING	MUNSELL NO.	7.1 B 4.0/0.9	
APPLICATION STANDARDS KS.IEC		THICKNESS		<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/>	μm
ACCESSORIES (OPTIONAL)			SUBMITTAL DRAWINGS		
TEMPERATURE DETECTOR			OUTLINE DIMENSION		DW-H-180M-CA
WINDING NO			S-T CURVE		ST-KMI-30HU3
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