

		INDUCTION MOTOR DATA SHEET		40 HP - 4 P	
MODEL: KMI-40HQ1		CUSTOMER :		REV. NO : 0	
APPLICATION:		PROJECT NAME:		QUANTITY : SETS	
GENERAL DATA			PERFORMANCE DATA		
FRAME NO.		180L		OUTPUT 30 kW 40 HP	
ENCLOSURE	<input type="checkbox"/> DRIP PROOF		POLES 4 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 50 Hz		RATED VOLTAGE 380 V		V V V	
PHASE 3 PHASE		CURRENT			
SERVICE FACTOR 1.0		NO LOAD		27.0 A	A A
INSULATION CLASS F CLASS		FULL LOAD		62.5 A	A A
TEMP. RISE AT FULL LOAD (at S.F 1.0)		STARTING		474.9 A	A A
RES. METHOD 105		EFFICIENCY			
THERMO. METHOD		AT 1/2 LOAD %			
LOCATION <input checked="" type="checkbox"/> INDOOR <input type="checkbox"/> OUTDOOR		AT 3/4 LOAD %			
ALTITUDE 1000 m		AT FULL LOAD 89.5 %			
HUMIDITY 80 %		POWER FACTOR			
AMBIENT TEMPERATURE -10~40		AT 1/2 LOAD %			
RATING <input checked="" type="checkbox"/> CONT. <input type="checkbox"/> %ED		AT 3/4 LOAD %			
NEMA DESIGN B		AT FULL LOAD 81.5 %			
MOUNTING <input checked="" type="checkbox"/> B3 <input type="checkbox"/> B5 <input type="checkbox"/> V1 <input type="checkbox"/> B3B5		SPEED (AT FULL LOAD)		1465	rpm
BEARING	TYPE	BALL			
	DEW-DE	6312ZZ/6309ZZ			
	LUBRICANT	GREASE			
COUPLING METHOD <input checked="" type="checkbox"/> DIRECT <input type="checkbox"/> V-BELT		TORQUE			
SHAFT		NOISE LEVEL		84.0	dB(A)
EXTENSION		SINGLE		VIBRATION 30.0 μ m	
EXTERNAL THRUST		ALLOWABLE LOAD GD ² REFERRED TO MOTOR SHAFT			
TERMINAL BOX		(AT DIRECT ON-LINE)		97.5	kg-m ²
MAIN <input checked="" type="checkbox"/> STEEL <input type="checkbox"/> AL <input type="checkbox"/> CAST		Motor GD ²		0.8623	kg-m ²
AUX. <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		MOTOR APPROX. WEIGHT		210.0	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"/>	μ m
ACCESSORIES (OPTIONAL)			SUBMITTAL DRAWINGS		
TEMPERATURE DETECTOR			OUTLINE DIMENSION		DW-H-180L-CA
WINDING NO			S-T CURVE		ST-KMI-40HQ1
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 OTIS STANDARD.					
FC : FAN COOLED SC : SELF COOLED			DATE	PREPARED	CHECKED
			2006-06-30	B.K.KIM	J.S.PARK
					APPROVED
					H.T.KIM