

HIGEN		INDUCTION MOTOR DATA SHEET		25 HP - 4 P	
MODEL: KMI-25HQ1		CUSTOMER :		REV. NO : 0	
APPLICATION:		PROJECT NAME:		QUANTITY : SETS	
GENERAL DATA			PERFORMANCE DATA		
FRAME NO.		180M		OUTPUT 18.5 kW 25 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		STARTING METHOD		<input type="checkbox"/> D.O.L <input checked="" type="checkbox"/> Y-
PROTECTION	IP 44				<input type="checkbox"/> REACTOR (%TAP) <input type="checkbox"/> V.V.V.F
METHODS OF COOLING		<input type="checkbox"/> SC <input checked="" type="checkbox"/> FC <input type="checkbox"/>		<input type="checkbox"/> SOFT-STARTER	
FREQUENCY		50 Hz		RATED VOLTAGE 380 V - V	
PHASE		3 PHASE		CURRENT	
SERVICE FACTOR		1.0		NO LOAD 16.0 A - A	
INSULATION CLASS		F CLASS		FULL LOAD 39.7 A - A	
TEMP. RISE AT FULL LOAD (at S.F 1.0)				STARTING 337.5 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 88.5 %	
HUMIDITY		90 %		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 80.0 %	
MOUNTING		<input checked="" type="checkbox"/> B3 <input type="checkbox"/> B5 <input type="checkbox"/> V1 <input type="checkbox"/> B3B5		SPEED (AT FULL LOAD) 1470 rpm	
BEARING	TYPE	BALL		TORQUE	
	DEW-DE	6311ZZ/6309ZZ		FULL LOAD 12.3 kg-m 100%	
	LUBRICANT	GREASE		LOCKED ROTOR 17.2 kg-m 140%	
COUPLING METHOD		<input type="checkbox"/> DIRECT <input checked="" type="checkbox"/> V-BELT		BREAKDOWN 23.3 kg-m 190%	
ROTATION(Facing Drive End)		<input checked="" type="checkbox"/> CW <input checked="" type="checkbox"/> CCW		NOISE LEVEL 82.0 dB(A)	
SHAFT				VIBRATION 30.0 μ m	
EXTENSION		SINGLE		ALLOWABLE LOAD GD ² REFERRED TO MOTOR SHAFT	
EXTERNAL THRUST				(AT DIRECT ON-LINE) 65.0 kg-m ²	
TERMINAL BOX				Motor GD ² 0.6545 kg-m ²	
MAIN		<input checked="" type="checkbox"/> STEEL <input type="checkbox"/> AL <input type="checkbox"/> CAST		MOTOR APPROX. WEIGHT 170 kg	
AUX.		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		PAINTING MUNSSELL NO. 7.1B4.0/0.9	
BOX LOCATION		LEFT (Viewed from Drive end)		THICKNESS <input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> μ m	
APPLICATION STANDARDS		KS.IEC			
ACCESSORIES (OPTIONAL)			SUBMITTAL DRAWINGS		
			OUTLINE DIMENSION		
			Speed Vs Torque, current Curve		
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.					
TE : TOTALLY ENCLOSED		DP : DRIP PROOF		DATE	PREPARED
FC : FAN COOLED		SC : SELF COOLED		2008-04-30	J.S.PARK
				CHECKED	APPROVED
				J.S.PARK	H.T.KIM