

HIGEN			INDUCTION MOTOR DATA SHEET			5.5 kW - 4 P			
MODEL: KMI-08HQ1			CUSTOMER :			REV. NO :			
APPLICATION:			PROJECT NAME:			QUANTITY : SETS			
GENERAL DATA				PERFORMANCE DATA					
FRAME NO.		132S		OUTPUT		5.5 kW			
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 checked="" type="checkbox"/> D.O.L <input 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"/>		RATED VOLTAGE		<input type="checkbox"/> VECTOR DRIVE			
PHASE		3 PHASE				380 V V V			
SERVICE FACTOR		1.0		FREQUENCY		50 Hz			
INSULATION CLASS		F CLASS		CURRENT					
TEMP. RISE AT FULL LOAD (at S.F 1.0) <div>RES. METHOD105</div> <div>THERMO. METHOD</div>				NO LOAD		A	A	A	
				FULL LOAD		12.0 A	A	A	
				STARTING		82.8 A	A	A	
LOCATION		<input checked="" type="checkbox"/> INDOOR <input type="checkbox"/> OUTDOOR		EFFICIENCY					
ALTITUDE		1000 m		AT 1/2 LOAD		%			
HUMIDITY		80 %		AT 3/4 LOAD		%			
AMBIENT TEMPERATURE		-10~40		AT FULL LOAD		87.0 %			
RATING		<input checked="" type="checkbox"/> CONT. <input type="checkbox"/> %ED		POWER FACTOR					
NEMA DESIGN		B		AT 1/2 LOAD		%			
MOUNTING		<input checked="" type="checkbox"/> B3 <input type="checkbox"/> B5 <input type="checkbox"/> V1 <input type="checkbox"/> B3B5		AT 3/4 LOAD		%			
BEARING	TYPE	BALL		AT FULL LOAD		80.0 %			
	DEIN-DE	6208ZZ/6206ZZ		SPEED (AT FULL LOAD)		1450 rpm			
	LUBRICANT	GREASE		TORQUE					
COUPLING METHOD		<input checked="" type="checkbox"/> DIRECT <input type="checkbox"/> V-BELT		FULL LOAD		3.69 kg-m		100%	
ROTATION(Facing Drive End)		<input type="checkbox"/> CW <input checked="" type="checkbox"/> CCW		LOCKED ROTOR		5.91 kg-m		160%	
SHAFT				BREAKDOWN		7.39 kg-m		200%	
EXTENSION		SINGLE		NOISE LEVEL		74 dB(A)			
				VIBRATION		30.0 μm			
EXTERNAL THRUST				ALLOWABLE LOAD GD² REFERRED TO MOTOR SHAFT					
TERMINAL BOX				(AT DIRECT ON-LINE)		22.2 kg-m²			
MAIN		<input checked="" type="checkbox"/> STEEL <input type="checkbox"/> AL <input type="checkbox"/> CAST		Motor GD²		0.1060 kg-m²			
AUX.		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		MOTOR APPROX. WEIGHT		64 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					
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		CHECKED	APPROVED
FC : FAN COOLED		SC : SELF COOLED		2009-04-16		H.Y.KIM		H.J.KIM	H.J.KIM