

HIGEN				INDUCTION MOTOR DATA SHEET				5.5 KW - 4 P							
MODEL: I08HK1IHGC				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 54		<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"/> DP				<input type="checkbox"/> VECTOR DRIVE									
PHASE		3 PHASE		RATED VOLTAGE		220 V		380 V		V					
SERVICE FACTOR		1.0		FREQUENCY		60		Hz							
INSULATION CLASS		F CLASS		CURRENT											
TEMP. RISE AT FULL LOAD (at S.F 1.0) <table border="1"><tr><td>RES. METHOD</td><td>105</td></tr><tr><td>THERMO. METHOD</td><td></td></tr></table>				RES. METHOD	105	THERMO. METHOD		NO LOAD		5.8 A		3.5 A		A	
				RES. METHOD	105										
				THERMO. METHOD											
FULL LOAD		19.3 A		11.8 A		A									
				STARTING		154.4 A		94.4 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		90.5		%							
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		81.0		%							
	DEIN-DE	6208ZZ/6206ZZ		SPEED (AT FULL LOAD)		1750		rpm							
	LUBRICANT	GREASE		TORQUE											
COUPLING METHOD		<input checked="" type="checkbox"/> DIRECT <input type="checkbox"/> V-BELT		FULL LOAD		3.1 kg-m		100%							
ROTATION(Facing Drive End)		<input checked="" type="checkbox"/> CW <input checked="" type="checkbox"/> CCW		LOCKED ROTOR		5.2 kg-m		170%							
SHAFT <table border="1"><tr><td>EXTENSION</td><td>SINGLE</td></tr><tr><td>EXTERNAL THRUST</td><td></td></tr></table>				EXTENSION	SINGLE	EXTERNAL THRUST		BREAKDOWN		6.7 kg-m		220%			
				EXTENSION	SINGLE										
				EXTERNAL THRUST											
NOISE LEVEL		74		dB(A)											
				VIBRATION		30.0		μm							
TERMINAL BOX				ALLOWABLE LOAD GD² REFERRED TO MOTOR SHAFT											
MAIN		<input type="checkbox"/> STEEL <input type="checkbox"/> AL <input checked="" type="checkbox"/> CAST		(AT DIRECT ON-LINE)		22.2 kg-m²									
AUX.		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		Motor GD²		0.1060 kg-m²									
BOX LOCATION		LEFT (Viewed from Drive end)		MOTOR APPROX. WEIGHT		66 kg									
APPLICATION STANDARDS		KS.IEC		PAINING	MUNSELL NO.	5PB 6/1.5									
					THICKNESS	<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/>		μm							
ACCESSORIES (OPTIONAL)				SUBMITTAL DRAWINGS											
				OUTLINE DIMENSION											
				SPEED-TORQUE 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.				2.HIGH EFFICIENCY MOTOR											
				3.FREQUENCY : 30~60Hz											
TE : TOTALLY ENCLOSED DP : DRIP PROOF				DATE	PREPARED	CHECKED	APPROVED								
FC : FAN COOLED SC : SELF COOLED				2006-12-19	J.S.PARK	J.S.PARK	H.T.KIM								