

HIGEN			INDUCTION MOTOR DATA SHEET			2.2 KW - 8 P		
MODEL: I03HN9FAOB			CUSTOMER :			REV. NO :		
APPLICATION:			PROJECT NAME:			QUANTITY : SETS		
GENERAL DATA				PERFORMANCE DATA				
FRAME NO.		132		OUTPUT		2.2 kW		
ENCLOSURE		<input type="checkbox"/> DRIP PROOF		POLES		8 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 checked="" type="checkbox"/> AO <input type="checkbox"/> FC <input type="checkbox"/>		RATED VOLTAGE		<input type="checkbox"/> VECTOR DRIVE		
PHASE		3 PHASE				220 V 440 V V		
SERVICE FACTOR		1.0		FREQUENCY		60 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
				FULL LOAD		12.0 A		6.0 A
				STARTING		78.0 A		39.0 A
LOCATION		<input type="checkbox"/> INDOOR <input checked="" type="checkbox"/> OUTDOOR		EFFICIENCY				
ALTITUDE		1000 m		AT 1/2 LOAD		%		
HUMIDITY		80 %		AT 3/4 LOAD		%		
AMBIENT TEMPERATURE		-10~40		AT FULL LOAD		79.0 %		
RATING		<input checked="" type="checkbox"/> CONT. <input type="checkbox"/> %ED		POWER FACTOR				
NEMA DESIGN		B		AT 1/2 LOAD		%		
MOUNTING		<input type="checkbox"/> B3 <input type="checkbox"/> B5 <input checked="" type="checkbox"/> V1 <input type="checkbox"/> B3B5		AT 3/4 LOAD		%		
BEARING	TYPE	BALL		AT FULL LOAD		65.0 %		
	DEIN-DE	6208ZZ/6206ZZ		SPEED (AT FULL LOAD)		850 rpm		
	LUBRICANT	GREASE		TORQUE				
COUPLING METHOD		<input checked="" type="checkbox"/> DIRECT <input type="checkbox"/> V-BELT		FULL LOAD		2.5 kg-m		100%
ROTATION(Facing Drive End)		<input checked="" type="checkbox"/> CW <input checked="" type="checkbox"/> CCW		LOCKED ROTOR		5.0 kg-m		200%
SHAFT <div>EXTENSION</div> <div>EXTERNAL THRUST</div>				BREAKDOWN		5.0 kg-m		200%
				NOISE LEVEL		62 dB(A)		
TERMINAL BOX <div>MAIN</div> <div>AUX.</div> <div>BOX LOCATION</div>				VIBRATION		15.0 μm		
				ALLOWABLE LOAD GD² REFERRED TO MOTOR SHAFT				
APPLICATION STANDARDS				(AT DIRECT ON-LINE)		48.8 kg-m²		
				Motor GD²		0.1530 kg-m²		
				MOTOR APPROX. WEIGHT		57 kg		
				PAINTING	MUNSELL NO.	7.1B4.0/0.9		
					THICKNESS	<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> μm		
ACCESSORIES (OPTIONAL)				SUBMITTAL DRAWINGS				
				OUTLINE DIMENSION				
				SPEED-TORQUE CURVE				
				TERMINAL BOX DIMENSION				
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		AO : AIR OVER		2009-01-14		K.K.HAN	J.H.JO	H.J.KIM