

HIGEN		INDUCTION MOTOR DATA SHEET		3 HP - 6 P	
MODEL: I03HK8AOK		CUSTOMER :		REV. NO : 0	
APPLICATION:		PROJECT NAME:		QUANTITY : SETS	
GENERAL DATA			PERFORMANCE DATA		
FRAME NO.		112M		OUTPUT 2.2 kW 3 HP	
ENCLOSURE	<input type="checkbox"/> DRIP PROOF		POLES		6 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- <input type="checkbox"/> REACTOR (%TAP) <input type="checkbox"/> V.V.V.F <input type="checkbox"/> SOFT-STARTER
PROTECTION		IP 54		RATED VOLTAGE	
METHODS OF COOLING		<input type="checkbox"/> SC <input type="checkbox"/> FC <input checked="" type="checkbox"/> AO		220 V 380 V - V	
PHASE		3 PHASE		FREQUENCY	
SERVICE FACTOR		1.0		60 Hz	
INSULATION CLASS		F CLASS		CURRENT	
TEMP. RISE AT FULL LOAD (at S.F 1.0)		NO LOAD		- A - A - A	
RES. METHOD		105		FULL LOAD 9.4 A 5.4 A - A	
THERMO. METHOD				STARTING 49.8 A 28.8 A - A	
LOCATION		<input checked="" type="checkbox"/> INDOOR <input type="checkbox"/> OUTDOOR		EFFICIENCY	
ALTITUDE		1000 m		AT 1/2 LOAD %	
HUMIDITY		90 %		AT 3/4 LOAD %	
AMBIENT TEMPERATURE		-10-40		AT FULL LOAD 82.0 %	
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 75.0 %
	DEW-DE		6206ZZ/6205ZZ		SPEED (AT FULL LOAD) 1140 rpm
	LUBRICANT				TORQUE
COUPLING METHOD		<input checked="" type="checkbox"/> DIRECT <input type="checkbox"/> V-BELT		FULL LOAD 1.9 kg-m 100%	
ROTATION(Facing Drive End)		<input checked="" type="checkbox"/> CW <input checked="" type="checkbox"/> CCW		LOCKED ROTOR 3.0 kg-m 160%	
SHAFT		EXTENSION SINGLE		BREAKDOWN 3.6 kg-m 190%	
EXTERNAL THRUST				NOISE LEVEL 63.0 dB(A)	
TERMINAL BOX		ALLOWABLE LOAD GD ² REFERRED TO MOTOR SHAFT		VIBRATION 15.0 μm	
MAIN		<input type="checkbox"/> STEEL <input type="checkbox"/> AL <input type="checkbox"/> CAST		(AT DIRECT ON-LINE) 29.3 kg-m ²	
AUX.		<input type="checkbox"/> YES <input type="checkbox"/> NO		Motor GD ² 0.0580 kg-m ²	
BOX LOCATION		LEFT (Viewed from Drive end)		MOTOR APPROX. WEIGHT 40.0 kg	
APPLICATION STANDARDS		IEC, KS		PAINTING	
				MUNSELL NO. 7.1B 4.0/0.9	
				THICKNESS <input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> μm	
ACCESSORIES (OPTIONAL)			SUBMITTAL DRAWINGS		
TEMPERATURE DETECTOR			OUTLINE DIMENSION		DW-I03HK8AOK
WINDING			SPEED VS TORQUE, CURRENT CURVE		ST-I03HK8AOK
TYPE					
BEARING					
TYPE					
SPACE HEATER					
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.					
TE : TOTALLY ENCLOSED		DP : DRIP PROOF		DATE	PREPARED
FC : FAN COOLED		SC : SELF COOLED		2006.09.29	H.G.HAN
				CHECKED	APPROVED
				H.J.KIM	H.T.KIM