

HIGEN		INDUCTION MOTOR DATA SHEET		3 HP - 4 P	
MODEL: I03HK6AOK		CUSTOMER :		REV. NO : 0	
APPLICATION:		PROJECT NAME:		QUANTITY : SETS	
GENERAL DATA			PERFORMANCE DATA		
FRAME NO.		100L		OUTPUT 2.2 kW 3 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 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	
THERMO. METHOD				8.3 A 4.8 A - A	
LOCATION		<input checked="" type="checkbox"/> INDOOR <input type="checkbox"/> OUTDOOR		STARTING	
ALTITUDE		1000 m		67.5 A 39.1 A - A	
HUMIDITY		90 %		EFFICIENCY	
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	
MOUNTING		<input checked="" type="checkbox"/> B3 <input type="checkbox"/> B5 <input type="checkbox"/> V1 <input type="checkbox"/> B3B5		84.0 %	
BEARING	TYPE	BALL		POWER FACTOR	
	DEW-DE	6206ZZ/6205ZZ		AT 1/2 LOAD	
	LUBRICANT			AT 3/4 LOAD	
COUPLING METHOD		<input checked="" type="checkbox"/> DIRECT <input type="checkbox"/> V-BELT		AT FULL LOAD	
ROTATION(Facing Drive End)		<input checked="" type="checkbox"/> CW <input checked="" type="checkbox"/> CCW		82.5 %	
SHAFT		SINGLE		SPEED (AT FULL LOAD)	
EXTENSION				1740 rpm	
EXTERNAL THRUST				TORQUE	
TERMINAL BOX		STEEL AL CAST		FULL LOAD	
MAIN		<input type="checkbox"/> STEEL <input type="checkbox"/> AL <input type="checkbox"/> CAST		1.2 kg-m 100%	
AUX.		<input type="checkbox"/> YES <input type="checkbox"/> NO		LOCKED ROTOR	
BOX LOCATION		LEFT (Viewed from Drive end)		2.2 kg-m 180%	
APPLICATION STANDARDS		IEC, KS		BREAKDOWN	
				2.5 kg-m 200%	
				NOISE LEVEL	
				68.0 dB(A)	
				VIBRATION	
				15.0 µm	
				ALLOWABLE LOAD GD ² REFERRED TO MOTOR SHAFT	
				(AT DIRECT ON-LINE)	
				12.0 kg-m ²	
				Motor GD ²	
				0.0351 kg-m ²	
				MOTOR APPROX. WEIGHT	
				32.0 kg	
				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-I03HK6AOK
WINDING			SPEED VS TORQUE, CURRENT CURVE		ST-I03HK6AOK
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		
FC : FAN COOLED SC : SELF COOLED			PREPARED		
			CHECKED		
			APPROVED		
			2006.09.29		
			H.G.HAN		
			H.J.KIM		
			H.T.KIM		