

HIGEN		INDUCTION MOTOR DATA SHEET		2.2 kW - 4 P	
MODEL: I03HK6FF		CUSTOMER :		REV. NO :	
APPLICATION:		PROJECT NAME:		QUANTITY :	
GENERAL DATA			PERFORMANCE DATA		
FRAME NO.		100L		OUTPUT 2.2 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- <input type="checkbox"/> REACTOR ( %TAP) <input type="checkbox"/> V.V.V.F		
PROTECTION	IP 44		SOFT-STARTER <input type="checkbox"/>		
METHODS OF COOLING	<input type="checkbox"/> SC <input checked="" type="checkbox"/> FC <input type="checkbox"/>		RATED VOLTAGE 220 V 380 V V		
FREQUENCY	60 Hz		CURRENT		
PHASE	3 PHASE		NO LOAD A A A		
SERVICE FACTOR	1.15		FULL LOAD 8.5 A 4.9 A A		
INSULATION CLASS	F CLASS		STARTING 67.0 A 38.8 A A		
TEMP. RISE AT FULL LOAD (at S.F 1.0)			EFFICIENCY		
RES. METHOD		100		AT 1/2 LOAD %	
THERMO. METHOD				AT 3/4 LOAD %	
LOCATION	<input checked="" type="checkbox"/> INDOOR <input type="checkbox"/> OUTDOOR		AT FULL LOAD 83.0 %		
ALTITUDE	1000 m		POWER FACTOR		
HUMIDITY	80 %		AT 1/2 LOAD %		
AMBIENT TEMPERATURE	-10~40		AT 3/4 LOAD %		
RATING	<input checked="" type="checkbox"/> CONT. <input type="checkbox"/> %ED		AT FULL LOAD 82.0 %		
NEMA DESIGN	B		SPEED (AT FULL LOAD) 1740 rpm		
MOUNTING	<input checked="" type="checkbox"/> B3 <input type="checkbox"/> B5 <input type="checkbox"/> V1 <input type="checkbox"/> B3B5		TORQUE		
BEARING	TYPE	BALL		FULL LOAD 1.2 kg-m 100%	
	DEW-DE	6206ZZ/6205ZZ		LOCKED ROTOR 2.2 kg-m 180%	
	LUBRICANT	GREASE		BREAKDOWN 2.5 kg-m 200%	
COUPLING METHOD		<input checked="" type="checkbox"/> DIRECT <input type="checkbox"/> V-BELT		NOISE LEVEL 68.0 dB(A)	
SHAFT				VIBRATION 30.0 $\mu$ m	
EXTENSION		SINGLE		ALLOWABLE LOAD GD <sup>2</sup> REFERRED TO MOTOR SHAFT	
EXTERNAL THRUST				(AT DIRECT ON-LINE) 12.0 kg-m <sup>2</sup>	
TERMINAL BOX			Motor GD <sup>2</sup> 0.0351 kg-m <sup>2</sup>		
MAIN		<input checked="" type="checkbox"/> STEEL <input type="checkbox"/> AL <input type="checkbox"/> CAST		MOTOR APPROX. WEIGHT 29.0 kg	
AUX.		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		PAINTING	
BOX LOCATION		LEFT (Viewed from Drive end)		MUNSELL NO. 7.1B 4.0/0.9	
APPLICATION STANDARDS		IEC, KS		THICKNESS <input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> $\mu$ m	
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 OTIS STANDARD.					
FC : FAN COOLED SC : SELF COOLED		DATE	PREPARED	CHECKED	APPROVED
		2007.06.29	M.S.PARK	H.K.KIM	H.J.KIM