

HIGEN		INDUCTION MOTOR DATA SHEET		2.2 kW - 2 P	
MODEL: I03HK3FFCA		CUSTOMER :		REV. NO :	
APPLICATION:		PROJECT NAME:		QUANTITY :	
GENERAL DATA			PERFORMANCE DATA		
FRAME NO.		90L		OUTPUT 2.2 kW	
ENCLOSURE		<input type="checkbox"/> DRIP PROOF		POLES 2 POLES	
		<input checked="" type="checkbox"/> TOTALLY ENCLOSED		ROTOR TYPE SQUIRREL CAGE	
		<input type="checkbox"/> Increased Safety Exp.-proof		<input checked="" type="checkbox"/> D.O.L <input type="checkbox"/> Y-	
PROTECTION		IP 44		STARTING METHOD <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"/> AO		<input type="checkbox"/> SOFT-STARTER	
FREQUENCY		60 Hz		RATED VOLTAGE 220 V 380 V V	
PHASE		3 PHASE		CURRENT	
SERVICE FACTOR		1.0		NO LOAD 4.2 A 2.5 A A	
INSULATION CLASS		F CLASS		FULL LOAD 8.5 A 4.9 A A	
TEMP. RISE AT FULL LOAD (at S.F 1.0)				STARTING 81.4 A 47.1 A A	
RES. METHOD		105		EFFICIENCY	
THERMO. METHOD				AT 1/2 LOAD %	
LOCATION		<input checked="" type="checkbox"/> INDOOR <input type="checkbox"/> OUTDOOR		AT 3/4 LOAD %	
ALTITUDE		1000 m		AT FULL LOAD 82.0 %	
HUMIDITY		80 %		POWER FACTOR	
AMBIENT TEMPERATURE		-10~50		AT 1/2 LOAD %	
RATING		<input checked="" type="checkbox"/> CONT. <input type="checkbox"/> %ED		AT 3/4 LOAD %	
NEMA DESIGN		B		AT FULL LOAD 83.0 %	
MOUNTING		<input checked="" type="checkbox"/> B3 <input type="checkbox"/> B5 <input type="checkbox"/> V1 <input type="checkbox"/> B3B5		SPEED (AT FULL LOAD) 3480 rpm	
BEARING		TYPE BALL		TORQUE	
		DEW-DE 6205ZZ/6204ZZ		FULL LOAD 0.62 kg-m 100%	
		LUBRICANT GREASE		LOCKED ROTOR 1.05 kg-m 170%	
COUPLING METHOD		<input checked="" type="checkbox"/> DIRECT <input type="checkbox"/> V-BELT		BREAKDOWN 1.23 kg-m 200%	
SHAFT				NOISE LEVEL 77.0 dB(A)	
EXTENSION		SINGLE		VIBRATION 15.0 μ m	
EXTERNAL THRUST				ALLOWABLE LOAD GD ² REFERRED TO MOTOR SHAFT	
TERMINAL BOX				(AT DIRECT ON-LINE) 2.3 kg-m ²	
MAIN		<input checked="" type="checkbox"/> CAST <input type="checkbox"/> AL <input type="checkbox"/> NO		Motor GD ² 0.0197 kg-m ²	
AUX.		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		MOTOR APPROX. WEIGHT 24.0 kg	
BOX LOCATION		LEFT		PAINTING MUNSELL NO. 7.1 B 4.0/0.9	
APPLICATION STANDARDS		IEC, KS		THICKNESS <input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> μ 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
		2008.02.21	S.M.KIM	H.K.KIM	H.J.KIM