

HIGEN		INDUCTION MOTOR DATA SHEET		3.7 kW - 4 P		
MODEL: I05HK1FWHK		CUSTOMER :		REV. NO :		
APPLICATION:		PROJECT NAME:		QUANTITY :		
GENERAL DATA			PERFORMANCE DATA			
FRAME NO.		FF215		OUTPUT 3.7 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				<input checked="" type="checkbox"/> D.O.L <input type="checkbox"/> Y-	
PROTECTION	IP 54		STARTING METHOD		<input type="checkbox"/> REACTOR (%TAP) <input type="checkbox"/> V.V.V.F	
METHODS OF COOLING	<input type="checkbox"/> SC <input type="checkbox"/> FC <input checked="" 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		A A A	
INSULATION CLASS	F CLASS		FULL LOAD		13.2 A 7.6 A A	
TEMP. RISE AT FULL LOAD (at S.F 1.0)		STARTING		117.5 A 67.6 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		88.5 %	
HUMIDITY	80 %		POWER FACTOR			
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		82.0 %	
MOUNTING	<input type="checkbox"/> B3 <input checked="" type="checkbox"/> B5 <input checked="" type="checkbox"/> V1 <input type="checkbox"/> B3B5		SPEED (AT FULL LOAD)		1750 rpm	
BEARING	TYPE	BALL		TORQUE		
	DEW-DE	6207ZZ/6205ZZ		FULL LOAD		2.06 kg-m 100%
	LUBRICANT	GREASE		LOCKED ROTOR		3.50 kg-m 170%
COUPLING METHOD		<input checked="" type="checkbox"/> DIRECT <input type="checkbox"/> V-BELT		BREAKDOWN		4.12 kg-m 200%
SHAFT		NOISE LEVEL		72.0 dB(A)		
EXTENSION		SINGLE		VIBRATION		15.0 μm
EXTERNAL THRUST				ALLOWABLE LOAD GD ² REFERRED TO MOTOR SHAFT		
TERMINAL BOX		(AT DIRECT ON-LINE)		15.3 kg-m ²		
MAIN		<input type="checkbox"/> STEEL <input checked="" type="checkbox"/> AL <input type="checkbox"/> NO		Motor GD ²		0.0600 kg-m ²
AUX.		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		MOTOR APPROX. WEIGHT		48.0 kg
BOX LOCATION		LEFT		PAINTING		MUNSELL NO. BLUE
APPLICATION STANDARDS		IEC, KS		THICKNESS		<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> μm
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	
AO : AIR OVER		2008.06.03	S.M.KIM	J.H.JO	H.J.KIM	