

HIGEN		INDUCTION MOTOR DATA SHEET		5.5 kW - 4 P	
MODEL: I08HK1FWSH		CUSTOMER :		REV. NO :	
APPLICATION:		PROJECT NAME:		QUANTITY :	
GENERAL DATA			PERFORMANCE DATA		
FRAME NO.		FF265		OUTPUT 5.5 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- <input type="checkbox"/> REACTOR (%TAP) <input type="checkbox"/> V.V.V.F <input type="checkbox"/> SOFT-STARTER		
PROTECTION IP 54		STARTING METHOD			
METHODS OF COOLING <input type="checkbox"/> SC <input type="checkbox"/> FC <input checked="" type="checkbox"/> AO					
FREQUENCY 60 Hz		RATED VOLTAGE 220 V 380 V V			
PHASE 3 PHASE		CURRENT			
SERVICE FACTOR 1.0		NO LOAD		A	A
INSULATION CLASS F CLASS		FULL LOAD		19.7 A	11.3 A
TEMP. RISE AT FULL LOAD (at S.F 1.0)		STARTING		127.8 A	73.5 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		89.5 %	
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)		1770 rpm	
BEARING	TYPE BALL		TORQUE		
	DEW-DE 6208ZZ/6206ZZ		FULL LOAD 3.03 kg-m 100%		
	LUBRICANT GREASE		LOCKED ROTOR 4.84 kg-m 160%		
COUPLING METHOD <input checked="" type="checkbox"/> DIRECT <input type="checkbox"/> V-BELT		BREAKDOWN		6.05 kg-m 200%	
SHAFT		NOISE LEVEL		74.0 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)		22.2 kg-m ²	
MAIN <input type="checkbox"/> STEEL <input checked="" type="checkbox"/> AL <input type="checkbox"/> NO		Motor GD ²		0.1060 kg-m ²	
AUX. <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		MOTOR APPROX. WEIGHT		69.0 kg	
BOX LOCATION LEFT		PAINTING		MUNSELL NO. BLUE	
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
AO : AIR OVER		2008.06.03	S.M.KIM	J.H.JO	H.J.KIM