

HIGEN		INDUCTION MOTOR DATA SHEET		2 HP - 4 P		
MODEL: I02HK1FF		CUSTOMER :		REV. NO : 0		
APPLICATION:		PROJECT NAME:		QUANTITY : SETS		
GENERAL DATA			PERFORMANCE DATA			
FRAME NO.		90L		OUTPUT 1.5 kW 2 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-			
PROTECTION	IP 44		<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"/>		<input type="checkbox"/> SOFT-STARTER			
PHASE	3 PHASE		RATED VOLTAGE 220 V 380 V - V			
SERVICE FACTOR	1.15		FREQUENCY 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 6.5 A 3.7 A - A			
THERMO. METHOD			STARTING 39.7 A 22.6 A - A			
LOCATION	<input checked="" type="checkbox"/> INDOOR <input type="checkbox"/> OUTDOOR		EFFICIENCY			
ALTITUDE	1000 m		AT 1/2 LOAD %			
HUMIDITY	90 %		AT 3/4 LOAD %			
AMBIENT TEMPERATURE	-10-40		AT FULL LOAD 78.0 %			
RATING	<input checked="" type="checkbox"/> CONT. <input type="checkbox"/> %ED		POWER FACTOR			
NEMA DESIGN	B		AT 1/2 LOAD %			
MOUNTING	<input checked="" type="checkbox"/> B3 <input type="checkbox"/> B5 <input type="checkbox"/> V1 <input type="checkbox"/> B3B5		AT 3/4 LOAD %			
BEARING	TYPE	BALL	AT FULL LOAD 77.0 %			
	DEW-DE	6205ZZ/6204ZZ	SPEED (AT FULL LOAD) 1730 rpm			
	LUBRICANT		TORQUE			
COUPLING METHOD	<input checked="" type="checkbox"/> DIRECT <input type="checkbox"/> V-BELT		FULL LOAD 0.8 kg-m 100%			
ROTATION(Facing Drive End)	<input checked="" type="checkbox"/> CW <input checked="" type="checkbox"/> CCW		LOCKED ROTOR 1.6 kg-m 190%			
SHAFT			BREAKDOWN 1.7 kg-m 200%			
EXTENSION	SINGLE		NOISE LEVEL 67.0 dB(A)			
EXTERNAL THRUST			VIBRATION 15.0 μ m			
TERMINAL BOX			ALLOWABLE LOAD GD ² REFERRED TO MOTOR SHAFT			
MAIN	<input checked="" type="checkbox"/> STEEL <input type="checkbox"/> AL <input type="checkbox"/> CAST		(AT DIRECT ON-LINE) 6.0 kg-m ²			
AUX.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		Motor GD ² 0.0174 kg-m ²			
BOX LOCATION	LEFT (Viewed from Drive end)		MOTOR APPROX. WEIGHT 24.0 kg			
APPLICATION STANDARDS	IEC, KS		PAINTING	MUNSELL NO.	7.1B 4.0/0.9	
			THICKNESS	<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> μ m		
ACCESSORIES (OPTIONAL)			SUBMITTAL DRAWINGS			
TEMPERATURE DETECTOR			OUTLINE DIMENSION		DW-I02HK1FF	
WINDING			SPEED VS TORQUE, CURRENT CURVE		ST-I02HK1FF	
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	PREPARED	CHECKED	APPROVED	
FC : FAN COOLED	SC : SELF COOLED	2007.03.20	H.G.HAN	H.K.KIM	H.J.KIM	