

HIGEN		INDUCTION MOTOR DATA SHEET		1.5 kW - 4 P	
MODEL: I02HZ1FF		CUSTOMER :		REV. NO :	
APPLICATION:		PROJECT NAME:		QUANTITY :	
GENERAL DATA			PERFORMANCE DATA		
FRAME NO.		90L		OUTPUT 1.5 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-	
PROTECTION		IP 44		STARTING METHOD	
METHODS OF COOLING		<input type="checkbox"/> SC <input checked="" type="checkbox"/> FC <input type="checkbox"/>		<input type="checkbox"/> REACTOR (%TAP) <input type="checkbox"/> V.V.V.F	
FREQUENCY		60 Hz		<input type="checkbox"/> SOFT-STARTER	
PHASE		3 PHASE		RATED VOLTAGE 480 V V V	
SERVICE FACTOR		1.15		CURRENT	
INSULATION CLASS		F CLASS		NO LOAD A A A	
TEMP. RISE AT FULL LOAD (at S.F 1.0)				FULL LOAD 2.8 A A A	
RES. METHOD		105		STARTING 24.1 A A A	
THERMO. METHOD				EFFICIENCY	
LOCATION <input checked="" type="checkbox"/> INDOOR <input type="checkbox"/> OUTDOOR				AT 1/2 LOAD %	
ALTITUDE 1000 m				AT 3/4 LOAD %	
HUMIDITY 80 %				AT FULL LOAD 79.0 %	
AMBIENT TEMPERATURE -10-40				POWER FACTOR	
RATING <input checked="" type="checkbox"/> CONT. <input type="checkbox"/> %ED				AT 1/2 LOAD %	
NEMA DESIGN B				AT 3/4 LOAD %	
MOUNTING <input checked="" type="checkbox"/> B3 <input type="checkbox"/> B5 <input type="checkbox"/> V1 <input type="checkbox"/> B3B5				AT FULL LOAD 80.5 %	
BEARING TYPE BALL				SPEED (AT FULL LOAD) 1730 rpm	
DEW-DE 6205ZZ/6204ZZ				TORQUE	
LUBRICANT GREASE				FULL LOAD 0.8 kg-m 100%	
COUPLING METHOD <input checked="" type="checkbox"/> DIRECT <input type="checkbox"/> V-BELT				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 30.0 μm	
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 23.0 kg	
APPLICATION STANDARDS IEC, KS				PAINTING	
				MUNSELL NO. 7.1B 4.0/0.9	
				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
		2007.08.23	H.G.HAN	H.K.KIM	H.J.KIM