

HIGEN		INDUCTION MOTOR DATA SHEET		2.2 kW - 4 P	
MODEL: I03HV6TBJU		CUSTOMER :		REV. NO :	
APPLICATION:		PROJECT NAME:		QUANTITY :	
GENERAL DATA			PERFORMANCE DATA		
FRAME NO.		100L		OUTPUT 2.2 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 checked="" type="checkbox"/> FC <input type="checkbox"/> AO					
FREQUENCY 60 Hz		RATED VOLTAGE 440 V		V V V	
PHASE 3 PHASE		CURRENT			
SERVICE FACTOR 1.15		NO LOAD		A A A	
INSULATION CLASS F CLASS		FULL LOAD		4.1 A A A	
TEMP. RISE AT FULL LOAD (at S.F 1.0)		STARTING		28.3 A 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		81.0 % % %	
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		78.0 % % %	
MOUNTING <input checked="" type="checkbox"/> B3 <input type="checkbox"/> B5 <input type="checkbox"/> V1 <input type="checkbox"/> B3B5		SPEED (AT FULL LOAD)		1740 rpm	
BEARING	TYPE	BALL		TORQUE	
	DEW-DE	6206ZZ/6205ZZ		FULL LOAD 1.23 kg-m 100%	
	LUBRICANT	GREASE		LOCKED ROTOR 2.22 kg-m 180%	
COUPLING METHOD <input checked="" type="checkbox"/> DIRECT <input checked="" type="checkbox"/> V-BELT		BREAKDOWN		2.46 kg-m 200%	
SHAFT		NOISE LEVEL		68.0 dB(A)	
EXTENSION		SINGLE		VIBRATION 15.0 $\mu$ m	
EXTERNAL THRUST				ALLOWABLE LOAD GD <sup>2</sup> REFERRED TO MOTOR SHAFT	
TERMINAL BOX		(AT DIRECT ON-LINE)		12.0 kg-m <sup>2</sup>	
MAIN <input type="checkbox"/> STEEL <input type="checkbox"/> AL <input checked="" type="checkbox"/> CAST		Motor GD <sup>2</sup>		0.0351 kg-m <sup>2</sup>	
AUX. <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		MOTOR APPROX. WEIGHT		32.0 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"/> $\mu$ 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
		2008.04.29	S.M.KIM	J.H.JO	H.J.KIM