

HIGEN		INDUCTION MOTOR DATA SHEET		3.7 kW - 4 P	
MODEL: I05HV1BL		CUSTOMER :		REV. NO :	
APPLICATION:		PROJECT NAME:		QUANTITY :	
GENERAL DATA			PERFORMANCE DATA		
FRAME NO.		112M		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- <input type="checkbox"/> REACTOR (%TAP) <input type="checkbox"/> V.V.V.F <input type="checkbox"/> SOFT-STARTER		
PROTECTION	IP 44		STARTING METHOD		
METHODS OF COOLING	<input type="checkbox"/> SC <input checked="" type="checkbox"/> FC <input type="checkbox"/>				
FREQUENCY	60 Hz		RATED VOLTAGE 440 V V V		
PHASE	3 PHASE		CURRENT		
SERVICE FACTOR	1.15		NO LOAD 3.5 A A A		
INSULATION CLASS	F CLASS		FULL LOAD 7.0 A A A		
TEMP. RISE AT FULL LOAD (at S.F 1.0)			STARTING 53.9 A A A		
RES. METHOD		80		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 83.0 %		
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) 1750 rpm		
BEARING	TYPE	BALL		TORQUE	
	DEW-DE	6206ZZ/6205ZZ		FULL LOAD 2.0 kg-m 100%	
	LUBRICANT	GREASE		LOCKED ROTOR 3.4 kg-m 170%	
COUPLING METHOD		<input checked="" type="checkbox"/> DIRECT <input type="checkbox"/> V-BELT		BREAKDOWN 4.0 kg-m 200%	
SHAFT			NOISE LEVEL 72.0 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) 15.3 kg-m ²		
MAIN		<input checked="" type="checkbox"/> STEEL <input type="checkbox"/> AL <input type="checkbox"/> CAST		Motor GD ² 0.0351 kg-m ²	
AUX.		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		MOTOR APPROX. WEIGHT 42.0 kg	
BOX LOCATION		RIGHT (Viewed from Drive end)		PAINTING	MUNSELL NO. 7.1B4.0/0.9
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
		2008.03.28	M.S.PARK	J.H.JO	H.J.KIM