

HIGEN		INDUCTION MOTOR DATA SHEET		3.7 KW - 6 P	
MODEL: I05HV8FHIW		CUSTOMER :		REV. NO :	
APPLICATION:		PROJECT NAME:		QUANTITY : SETS	
GENERAL DATA			PERFORMANCE DATA		
FRAME NO.	FF265		OUTPUT	3.7 kW	5 HP
ENCLOSURE	<input type="checkbox"/> DRIP PROOF		POLES	6 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 54			<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"/> VECTOR DRIVE	
PHASE	3 PHASE		RATED VOLTAGE	440 V	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	4.0 A	A A
RES. METHOD 105			FULL LOAD	7.4 A	A A
THERMO. METHOD			STARTING	49.6 A	A A
LOCATION	<input type="checkbox"/> INDOOR <input checked="" type="checkbox"/> OUTDOOR		EFFICIENCY		
ALTITUDE	1000 m		AT 1/2 LOAD %		
HUMIDITY	80 %		AT 3/4 LOAD %		
AMBIENT TEMPERATURE	-10~40		AT FULL LOAD 87.5 %		
RATING	<input checked="" type="checkbox"/> CONT. <input type="checkbox"/> %ED		POWER FACTOR		
NEMA DESIGN	B		AT 1/2 LOAD %		
MOUNTING	<input type="checkbox"/> B3 <input checked="" type="checkbox"/> B5 <input checked="" type="checkbox"/> V1 <input type="checkbox"/> B3B5		AT 3/4 LOAD %		
BEARING	TYPE	BALL	AT FULL LOAD 75.0 %		
	DEW-DE	6208ZZ/6206ZZ	SPEED (AT FULL LOAD) 1130 rpm		
	LUBRICANT	GREASE	TORQUE		
COUPLING METHOD	<input checked="" type="checkbox"/> DIRECT <input type="checkbox"/> V-BELT		FULL LOAD 3.19 kg-m 100%		
ROTATION(Facing Drive End)	<input type="checkbox"/> CW <input checked="" type="checkbox"/> CCW		LOCKED ROTOR 5.42 kg-m 170%		
SHAFT			BREAKDOWN 6.38 kg-m 200%		
EXTENSION SINGLE			NOISE LEVEL 65 dB(A)		
EXTERNAL THRUST			VIBRATION 30.0 μm		
TERMINAL BOX			ALLOWABLE LOAD GD ² REFERRED TO MOTOR SHAFT		
MAIN <input type="checkbox"/> STEEL <input checked="" type="checkbox"/> AL <input type="checkbox"/> CAST			(AT DIRECT ON-LINE) 42.9 kg-m ²		
AUX. <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO			Motor GD ² 0.1530 kg-m ²		
BOX LOCATION LEFT (Viewed from Drive end)			MOTOR APPROX. WEIGHT 71 kg		
APPLICATION STANDARDS KS.IEC			PAINTING	MUNSELL NO.	5PB 8/2.5
				THICKNESS	<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> μm
ACCESSORIES (OPTIONAL)			SUBMITTAL DRAWINGS		
			OUTLINE DIMENSION		
			SPEED VS TORQUE, CURRENT CURVE		
NOTE			REMARKS		
1. THESE DATA ARE ONLY DESIGN VALUES AND SHALL BE			1. ABOVE ALL DATA ARE CALCULATED AT 100% VOLTAGE.		
GUARANTEED WITH TOLERANCE OF APPLICATION STANDARDS.			2. HIGH EFFICIENCY MOTOR		
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		2008-11-10	D.H.KAM	J.H.JO	H.J.KIM