

HIGEN		INDUCTION MOTOR DATA SHEET		3.7 KW - 6 P	
MODEL: I05HV8FBB3-BB050		CUSTOMER :		REV. NO :	
APPLICATION:		PROJECT NAME:		QUANTITY : SETS	
GENERAL DATA			PERFORMANCE DATA		
FRAME NO.		FF265		OUTPUT 3.7 KW	
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		<input checked="" type="checkbox"/> D.O.L <input type="checkbox"/> Y-	
PROTECTION		IP 56		STARTING METHOD	
METHODS OF COOLING		<input type="checkbox"/> SC <input type="checkbox"/> FC <input checked="" type="checkbox"/> NV		<input type="checkbox"/> REACTOR (%TAP) <input type="checkbox"/> V.V.V.F	
PHASE		3 PHASE		<input type="checkbox"/> VECTOR DRIVE	
SERVICE FACTOR		1.0		RATED VOLTAGE 440 V V V	
INSULATION CLASS		F CLASS		FREQUENCY 60 Hz	
TEMP. RISE AT FULL LOAD (at S.F 1.0)		CURRENT			
RES. METHOD 95		NO LOAD		A A A	
THERMO. METHOD		FULL LOAD		7.4 A A A	
		STARTING		48.1 A A A	
LOCATION <input checked="" type="checkbox"/> INDOOR <input type="checkbox"/> OUTDOOR		EFFICIENCY			
ALTITUDE 1000 m		AT 1/2 LOAD		% %	
HUMIDITY 80 %		AT 3/4 LOAD		% %	
AMBIENT TEMPERATURE -10-50		AT FULL LOAD		85.0 %	
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 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) 1150 rpm			
LUBRICANT GREASE		TORQUE			
COUPLING METHOD <input checked="" type="checkbox"/> DIRECT <input type="checkbox"/> V-BELT		FULL LOAD		3.1 kg-m 100%	
ROTATION(Facing Drive End) <input checked="" type="checkbox"/> CW <input checked="" type="checkbox"/> CCW		LOCKED ROTOR		4.7 kg-m 150%	
SHAFT		BREAKDOWN		6.0 kg-m 190%	
EXTENSION SINGLE		NOISE LEVEL 65 dB(A)			
EXTERNAL THRUST		VIBRATION 30.0 μ m			
TERMINAL BOX		ALLOWABLE LOAD GD ² REFERRED TO MOTOR SHAFT			
MAIN <input type="checkbox"/> STEEL <input type="checkbox"/> AL <input checked="" 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 RIGHT (Viewed from Drive end)		MOTOR APPROX. WEIGHT		85 kg	
APPLICATION STANDARDS KS.IEC		PAINTING		MUNSELL NO. EP170	
		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 HIGEN STANDARD.					
TE : TOTALLY ENCLOSED DP : DRIP PROOF		DATE	PREPARED	CHECKED	APPROVED
FC : FAN COOLED SC : SELF COOLED		2009-01-05	K.K.HAN	J.H.JO	H.J.KIM