

HIGEN		INDUCTION MOTOR DATA SHEET		5 HP - 4 P	
MODEL: -		CUSTOMER :		REV. NO : 0	
APPLICATION:		PROJECT NAME:		QUANTITY : SETS	
GENERAL DATA			PERFORMANCE DATA		
FRAME NO.		FF215		OUTPUT 3.7 kW 5 HP	
ENCLOSURE	<input checked="" 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 (MAIN M/T)		IP 54		STARTING METHOD	
METHODS OF COOLING		<input type="checkbox"/> SC <input checked="" type="checkbox"/> FC <input type="checkbox"/>			
PHASE		3 PHASE		RATED VOLTAGE 440 V - V - V	
SERVICE FACTOR		1.0		FREQUENCY 60 Hz	
INSULATION CLASS		F CLASS		CURRENT	
TEMP. RISE AT FULL LOAD (at S.F 1.0)				NO LOAD - A - A - A	
RES. METHOD		105		FULL LOAD 6.8 A - A - A	
THERMO. METHOD				STARTING 59.5 A - A - A	
LOCATION		<input checked="" type="checkbox"/> INDOOR <input type="checkbox"/> OUTDOOR		EFFICIENCY	
ALTITUDE		1000 m		AT 1/2 LOAD %	
HUMIDITY		90 %		AT 3/4 LOAD %	
AMBIENT TEMPERATURE		-10-40		AT FULL LOAD 83.0 %	
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 85.5 %
	DEW-DE		6207ZZ/6205ZZ		SPEED (AT FULL LOAD) 1760 rpm
	LUBRICANT				TORQUE
COUPLING METHOD		<input checked="" type="checkbox"/> DIRECT <input type="checkbox"/> V-BELT		FULL LOAD 2.0 kg-m 100%	
ROTATION(Facing Drive End)		<input checked="" type="checkbox"/> CW <input checked="" type="checkbox"/> CCW		LOCKED ROTOR 3.5 kg-m 170%	
SHAFT				BREAKDOWN 4.1 kg-m 200%	
EXTENSION		SINGLE		NOISE LEVEL 72.0 dB(A)	
EXTERNAL THRUST				VIBRATION 15.0 $\mu$ m	
TERMINAL BOX				ALLOWABLE LOAD GD <sup>2</sup> REFERRED TO MOTOR SHAFT	
MAIN		<input type="checkbox"/> STEEL <input checked="" type="checkbox"/> AL <input type="checkbox"/> CAST		(AT DIRECT ON-LINE) 15.3 kg-m <sup>2</sup>	
AUX.		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		Motor GD <sup>2</sup> 0.0600 kg-m <sup>2</sup>	
BOX LOCATION		LEFT (Viewed from Drive end)		MOTOR APPROX. WEIGHT 45.0 kg	
APPLICATION STANDARDS		IEC, KS		PAINTING	
				MUNSELL NO. 7.1B 4.0/0.9	
				THICKNESS <input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> $\mu$ m	
ACCESSORIES (OPTIONAL)			SUBMITTAL DRAWINGS		
FAN MOTOR		YES		OUTLINE DIMENSION DW--I05HV1FIVS	
SPEC		220/240V,50/60Hz,35W, IP44			
ENCODER					
SPEC					
THERMISTOR					
SPEC					
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.			2. FREQUENCY : 0-60Hz		
TE : TOTALLY ENCLOSED		DP : DRIP PROOF		DATE	PREPARED
FC : FAN COOLED		SC : SELF COOLED		2007.01.03	H.G.HAN
				CHECKED	APPROVED
				H.J.KIM	H.T.KIM