

HIGEN		INDUCTION MOTOR DATA SHEET		1 HP - 4 P	
MODEL: I01HY1FFSH		CUSTOMER :		REV. NO : 0	
APPLICATION:		PROJECT NAME:		QUANTITY : SETS	
GENERAL DATA			PERFORMANCE DATA		
FRAME NO.		80		OUTPUT 0.75 kW 1 HP	
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		STARTING METHOD <input checked="" type="checkbox"/> D.O.L <input type="checkbox"/> Y-		
PROTECTION	IP 44		<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"/> SOFT-STARTER		
PHASE	3 PHASE		RATED VOLTAGE 460 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 80		FULL LOAD 1.8 A - A - A			
THERMO. METHOD		STARTING 10.7 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 73.0 %		
RATING	<input checked="" type="checkbox"/> CONT. <input type="checkbox"/> %ED		POWER FACTOR		
NEMA DESIGN	B		AT 1/2 LOAD %		
MOUNTING	<input checked="" type="checkbox"/> B3 <input type="checkbox"/> B5 <input type="checkbox"/> V1 <input type="checkbox"/> B3B5		AT 3/4 LOAD %		
BEARING	TYPE	BALL	AT FULL LOAD 71.0 %		
	DEW-DE	6204ZZ/6203ZZ	SPEED (AT FULL LOAD) 1720 rpm		
	LUBRICANT		TORQUE		
COUPLING METHOD	<input checked="" type="checkbox"/> DIRECT <input type="checkbox"/> V-BELT		FULL LOAD 0.4 kg-m 100%		
ROTATION(Facing Drive End)	<input checked="" type="checkbox"/> CW <input checked="" type="checkbox"/> CCW		LOCKED ROTOR 1.0 kg-m 240%		
SHAFT			BREAKDOWN 1.1 kg-m 260%		
EXTENSION	SINGLE		NOISE LEVEL 63.0 dB(A)		
EXTERNAL THRUST			VIBRATION 15.0 $\mu$ m		
TERMINAL BOX		ALLOWABLE LOAD GD <sup>2</sup> REFERRED TO MOTOR SHAFT			
MAIN	<input checked="" type="checkbox"/> STEEL <input type="checkbox"/> AL <input type="checkbox"/> CAST		(AT DIRECT ON-LINE) 3.6 kg-m <sup>2</sup>		
AUX.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		Motor GD <sup>2</sup> 0.0092 kg-m <sup>2</sup>		
BOX LOCATION	LEFT (Viewed from Drive end)		MOTOR APPROX. WEIGHT 16.0 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		
TEMPERATURE DETECTOR			OUTLINE DIMENSION		DW-I01HY1FFSH
WINDING			SPEED VS TORQUE, CURRENT CURVE		ST-I01HY1FFSH
TYPE					
BEARING					
TYPE					
SPACE HEATER YES					
RATING 1 , 11/6W, 240/120V					
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.					
TE : TOTALLY ENCLOSED	DP : DRIP PROOF	DATE	PREPARED	CHECKED	APPROVED
FC : FAN COOLED	SC : SELF COOLED	2006.11.22	H.G.HAN	H.J.KIM	H.T.KIM