



INDUCTION MOTOR DATA SHEET

5 HP - 2 P

MODEL: I05HK3GU	CUSTOMER :	REV. NO : 0
APPLICATION:	PROJECT NAME:	QUANTITY : SETS

GENERAL DATA			PERFORMANCE DATA			
FRAME NO.	112M		OUTPUT	3.7	kW	5 HP
ENCLOSURE	<input type="checkbox"/> DRIP PROOF		POLES	2 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- <input type="checkbox"/> REACTOR (%TAP) <input type="checkbox"/> V.V.V.F <input type="checkbox"/> SOFT-STARTER		
PROTECTION	IP 44		RATED VOLTAGE	220	V	380 V - V
METHODS OF COOLING	<input type="checkbox"/> SC <input checked="" type="checkbox"/> FC <input type="checkbox"/>					
PHASE	3 PHASE		FREQUENCY	60 Hz		
SERVICE FACTOR	1.0					
INSULATION CLASS	B CLASS		CURRENT			
TEMP. RISE AT FULL LOAD (at S.F 1.0)			NO LOAD	-	A	- A - A
RES. METHOD 80			FULL LOAD	13.5	A	7.8 A - A
THERMO. METHOD			STARTING	125.1	A	72.5 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 82.0 %			
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 88.0 %			
	DEW-DE	6206ZZ/6205ZZ	SPEED (AT FULL LOAD) 3520 rpm			
	LUBRICANT		TORQUE			
COUPLING METHOD	<input checked="" type="checkbox"/> DIRECT <input type="checkbox"/> V-BELT		FULL LOAD 1.0 kg-m 100%			
ROTATION(Facing Drive End)	<input checked="" type="checkbox"/> CW <input checked="" type="checkbox"/> CCW		LOCKED ROTOR 1.6 kg-m 160%			
SHAFT			BREAKDOWN 2.0 kg-m 200%			
EXTENSION	SINGLE		NOISE LEVEL 80.0 dB(A)			
EXTERNAL THRUST			VIBRATION 15.0 μ m			
TERMINAL BOX			ALLOWABLE LOAD GD ² REFERRED TO MOTOR SHAFT			
MAIN	<input checked="" type="checkbox"/> STEEL <input type="checkbox"/> AL <input type="checkbox"/> CAST		(AT DIRECT ON-LINE) 3.3 kg-m ²			
AUX.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		Motor GD ² 0.0570 kg-m ²			
BOX LOCATION	LEFT (Viewed from Drive end)		MOTOR APPROX. WEIGHT 40.0 kg			
APPLICATION STANDARDS	IEC, KS		PAINTING	MUNSELL NO.	7.1B 4.0/0.9	
			THICKNESS	<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> μ m		

ACCESSORIES (OPTIONAL)			SUBMITTAL DRAWINGS		
TEMPERATURE DETECTOR			OUTLINE DIMENSION		DW-I05HK3GU
WINDING			SPEED VS TORQUE, CURRENT CURVE		ST-I05HK3GU
	TYPE				
	BEARING				
SPACE HEATER	TYPE				
	RATING				

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	2006.06.22	H.G.HAN	H.J.KIM	H.T.KIM