



INDUCTION MOTOR DATA SHEET

3 HP - 8 P

MODEL: I03HK9FAOC	CUSTOMER :	REV. NO : 0
APPLICATION:	PROJECT NAME:	QUANTITY : SETS

GENERAL DATA		PERFORMANCE DATA			
FRAME NO.	132S	OUTPUT	2.2 kW	3	HP
ENCLOSURE	<input type="checkbox"/> DRIP PROOF	POLES	8	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 54	RATED VOLTAGE	220 V	380 V	- V
METHODS OF COOLING	<input type="checkbox"/> SC <input type="checkbox"/> FC <input checked="" type="checkbox"/> AO	FREQUENCY	60 Hz		
PHASE	3 PHASE	CURRENT			
SERVICE FACTOR	1.0	NO LOAD	6.3 A	3.7 A	- A
INSULATION CLASS	B CLASS	FULL LOAD	11.5 A	6.6 A	- A
TEMP. RISE AT FULL LOAD (at S.F 1.0)		STARTING	74.8 A	43.2 A	- A
RES. METHOD	80	EFFICIENCY			
THERMO. METHOD		AT 1/2 LOAD	%		
LOCATION	<input checked="" type="checkbox"/> INDOOR <input type="checkbox"/> OUTDOOR	AT 3/4 LOAD	%		
ALTITUDE	1000 m	AT FULL LOAD	79.0	%	
HUMIDITY	90 %	POWER FACTOR			
AMBIENT TEMPERATURE	-10-40	AT 1/2 LOAD	%		
RATING	<input checked="" type="checkbox"/> CONT. <input type="checkbox"/> %ED	AT 3/4 LOAD	%		
NEMA DESIGN	B	AT FULL LOAD	65.5	%	
MOUNTING	<input type="checkbox"/> B3 <input type="checkbox"/> B5 <input checked="" type="checkbox"/> V1 <input type="checkbox"/> B3B5	SPEED (AT FULL LOAD)	850	rpm	
BEARING	TYPE	TORQUE			
	DEW-DE	FULL LOAD	2.5	kg-m	100%
	LUBRICANT	LOCKED ROTOR	3.8	kg-m	150%
COUPLING METHOD	<input checked="" type="checkbox"/> DIRECT <input type="checkbox"/> V-BELT	BREAKDOWN	4.5	kg-m	180%
ROTATION(Facing Drive End)	<input checked="" type="checkbox"/> CW <input checked="" type="checkbox"/> CCW	NOISE LEVEL	72.0	dB(A)	
SHAFT		VIBRATION	30.0	μm	
EXTENSION		ALLOWABLE LOAD GD ² REFERRED TO MOTOR SHAFT			
EXTERNAL THRUST		(AT DIRECT ON-LINE)	48.8	kg-m ²	
TERMINAL BOX		Motor GD ²	0.1530	kg-m ²	
MAIN	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> CAST	MOTOR APPROX. WEIGHT	57.0	kg	
AUX.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	PAINTING			
BOX LOCATION	LEFT (Viewed from Drive end)	MUNSELL NO.	7.1 B 4.0/0.9		
APPLICATION STANDARDS	KS.IEC	THICKNESS	<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/>	μm	

ACCESSORIES (OPTIONAL)		SUBMITTAL DRAWINGS			
TEMPERATURE DETECTOR					
WINDING					
TYPE					
BEARING					
TYPE					
SPACE HEATER					
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	
AC: AOR OF COOLING	2006.05.08	J.H JO	J.S PARK	H.T.KIM	