



INDUCTION MOTOR DATA SHEET

4 HP - 8 P

MODEL: I04HV9FAOC	CUSTOMER :	REV. NO : 0
APPLICATION:	PROJECT NAME:	QUANTITY : SETS

GENERAL DATA		PERFORMANCE DATA					
FRAME NO.	132S	OUTPUT	3.0	kW	4	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-				
PROTECTION IP 54	<input type="checkbox"/> REACTOR (%TAP) <input type="checkbox"/> V.V.V.F						
METHODS OF COOLING	<input type="checkbox"/> SC <input type="checkbox"/> FC <input checked="" type="checkbox"/> AO	<input type="checkbox"/> SOFT-STARTER					
PHASE	3	PHASE					
SERVICE FACTOR	1.0	RATED VOLTAGE	440	V	V	V	
INSULATION CLASS	B	CLASS					
TEMP. RISE AT FULL LOAD (at S.F 1.0)		FREQUENCY	60				Hz
		CURRENT					
RES. METHOD		80	NO LOAD	4.4	A	A	
THERMO. METHOD			FULL LOAD	8.0	A	A	
			STARTING	52.0	A	A	
LOCATION	<input checked="" type="checkbox"/> INDOOR <input type="checkbox"/> OUTDOOR	EFFICIENCY					
ALTITUDE	1000	m					
HUMIDITY	90	%					
AMBIENT TEMPERATURE	-10-40						
RATING	<input checked="" type="checkbox"/> CONT. <input type="checkbox"/> %ED	AT 1/2 LOAD	%				
NEMA DESIGN	B	AT 3/4 LOAD	%				
MOUNTING	<input type="checkbox"/> B3 <input type="checkbox"/> B5 <input checked="" type="checkbox"/> V1 <input type="checkbox"/> B3B5	AT FULL LOAD	80.0	%			
BEARING	TYPE	BALL					
	DEW-DE	6208ZZ/6206ZZ					
	LUBRICANT						
COUPLING METHOD	<input checked="" type="checkbox"/> DIRECT <input type="checkbox"/> V-BELT	POWER FACTOR					
ROTATION(Facing Drive End)	<input checked="" type="checkbox"/> CW <input checked="" type="checkbox"/> CCW	AT 1/2 LOAD	%				
SHAFT		AT 3/4 LOAD	%				
EXTENSION		AT FULL LOAD	65.5	%			
EXTERNAL THRUST		SPEED (AT FULL LOAD)	850	rpm			
TERMINAL BOX		TORQUE					
MAIN	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> CAST	FULL LOAD	3.4	kg-m	100%		
AUX.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	LOCKED ROTOR	5.2	kg-m	150%		
BOX LOCATION	LEFT (Viewed from Drive end)	BREAKDOWN	6.2	kg-m	180%		
APPLICATION STANDARDS	KS.IEC	NOISE LEVEL	72.0	dB(A)			
		VIBRATION	30.0	μm			
		ALLOWABLE LOAD GD ² REFERRED TO MOTOR SHAFT					
		(AT DIRECT ON-LINE)	53.7	kg-m ²			
		Motor GD ²	0.1683	kg-m ²			
		MOTOR APPROX. WEIGHT	61.0	kg			
		PAINING					
		MUNSELL NO.	7.1 B 4.0/0.9				
		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
AC: AOR OF COOLING	PREPARED
	CHECKED
	APPROVED
	2006.05.08
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