



# INDUCTION MOTOR DATA SHEET

**2.2 kW 8 P**

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

GENERAL DATA		PERFORMANCE DATA			
FRAME NO.	132	OUTPUT	2.2 kW		
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	440 V	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	3.3 A	A	- A
INSULATION CLASS	F CLASS	FULL LOAD	6.0 A	A	- A
TEMP. RISE AT FULL LOAD (at S.F 1.0)		STARTING	39.0 A	A	- A
RES. METHOD	100	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	4.5	kg-m	180%
COUPLING METHOD	<input checked="" type="checkbox"/> DIRECT <input type="checkbox"/> V-BELT	BREAKDOWN	5.0	kg-m	200%
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 <sup>2</sup> REFERRED TO MOTOR SHAFT			
EXTERNAL THRUST		(AT DIRECT ON-LINE)	48.8	kg-m <sup>2</sup>	
TERMINAL BOX		Motor GD <sup>2</sup>	0.1530	kg-m <sup>2</sup>	
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	MUNSELL NO.	7.1 B 4.0/0.9	
BOX LOCATION	LEFT (Viewed from Drive end)	THICKNESS	<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/>	μm	
APPLICATION STANDARDS	KS.IEC				

ACCESSORIES (OPTIONAL)		SUBMITTAL DRAWINGS			
TEMPERATURE DETECTOR					
WINDING					
TYPE					
BEARING					
TYPE					
OIL SEAL	YES				
	38*58*11				
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		2007.06.29	J.H JO	J.H JO	H.J.KIM