



INDUCTION MOTOR DATA SHEET

3 kW - 8 P

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

GENERAL DATA		PERFORMANCE DATA			
FRAME NO.	132	OUTPUT	3.0 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	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	8.5 A	4.9 A	- A
INSULATION CLASS	F CLASS	FULL LOAD	15.5 A	9.0 A	- A
TEMP. RISE AT FULL LOAD (at S.F 1.0)		STARTING	100.8 A	58.2 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	78.0	%	
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	3.4	kg-m	100%
	LUBRICANT	LOCKED ROTOR	6.2	kg-m	180%
COUPLING METHOD	<input checked="" type="checkbox"/> DIRECT <input type="checkbox"/> V-BELT	BREAKDOWN	6.9	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 ² REFERRED TO MOTOR SHAFT			
EXTERNAL THRUST		(AT DIRECT ON-LINE)	53.7	kg-m ²	
TERMINAL BOX		Motor GD ²	0.1683	kg-m ²	
MAIN	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> CAST	MOTOR APPROX. WEIGHT	61.0	kg	
AUX.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	PAINING	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