



# INDUCTION MOTOR DATA SHEET

## 7.5 KW - 4 P

MODEL: I10HE1IP54      CUSTOMER :      REV. NO :  
 APPLICATION:      PROJECT NAME:      QUANTITY :      SETS

GENERAL DATA			PERFORMANCE DATA			
FRAME NO.	132M		OUTPUT	7.5 kW	10 HP	
ENCLOSURE	<input type="checkbox"/> DRIP PROOF		POLES	4 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 checked="" type="checkbox"/> FC <input type="checkbox"/>		<input type="checkbox"/> VECTOR DRIVE			
PHASE	3 PHASE		RATED VOLTAGE	415 V	V	V
SERVICE FACTOR	1.0		FREQUENCY	50 Hz		
INSULATION CLASS	F CLASS		CURRENT			
TEMP. RISE AT FULL LOAD (at S.F 1.0)			NO LOAD	A	A	A
RES. METHOD	105		FULL LOAD	14.2 A	A	A
THERMO. METHOD			STARTING	92.3 A	A	A
LOCATION	<input checked="" type="checkbox"/> INDOOR <input type="checkbox"/> OUTDOOR		EFFICIENCY			
ALTITUDE	1000 m		AT 1/2 LOAD	%		
HUMIDITY	80 %		AT 3/4 LOAD	%		
AMBIENT TEMPERATURE	-10~40		AT FULL LOAD	87.5	%	
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	84.0	%
	DEW-DE	6208ZZ/6206ZZ		SPEED (AT FULL LOAD)		
	LUBRICANT	GREASE		1430 rpm		
COUPLING METHOD	<input checked="" type="checkbox"/> DIRECT <input type="checkbox"/> V-BELT		TORQUE			
ROTATION(Facing Drive End)	<input checked="" type="checkbox"/> CW <input checked="" type="checkbox"/> CCW		FULL LOAD	5.1	kg-m	100%
SHAFT	EXTENSION		LOCKED ROTOR	8.2	kg-m	160%
	SINGLE		BREAKDOWN	10.2	kg-m	200%
	EXTERNAL THRUST		NOISE LEVEL			
TERMINAL BOX			VIBRATION			
MAIN	<input type="checkbox"/> STEEL <input checked="" type="checkbox"/> AL <input type="checkbox"/> CAST		ALLOWABLE LOAD GD <sup>2</sup> REFERRED TO MOTOR SHAFT			
AUX.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		(AT DIRECT ON-LINE)	29.3	kg-m <sup>2</sup>	
BOX LOCATION	LIGHT (Viewed from Drive end)		Motor GD <sup>2</sup>	0.1434	kg-m <sup>2</sup>	
APPLICATION STANDARDS	KS.IEC		MOTOR APPROX. WEIGHT			
			PAINTING	MUNSELL NO.	7.1B4.0/0.9(GRAY)	
			THICKNESS		<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> μm	

ACCESSORIES (OPTIONAL)			SUBMITTAL DRAWINGS			

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
FC : FAN COOLED      SC : SELF COOLED	2008.12.05
	PREPARED
	S.M.KIM
	CHECKED
	J.H.JO
	APPROVED
	H.J.KIM