



# INDUCTION MOTOR DATA SHEET

## 15 HP - 4 P

MODEL: I15HK1FHPK      CUSTOMER :      REV. NO :  
 APPLICATION:      PROJECT NAME:      QUANTITY :      SETS

GENERAL DATA		PERFORMANCE DATA				
FRAME NO.	160M	OUTPUT	11	KW	15	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 type="checkbox"/> D.O.L <input checked="" type="checkbox"/> Y-			
PROTECTION	<input type="checkbox"/> REACTOR ( %TAP) <input type="checkbox"/> V.V.V.F					
METHODS OF COOLING	IP 54	<input type="checkbox"/> SOFT-STARTER				
FREQUENCY	60 Hz	RATED VOLTAGE	220	V	380	V
PHASE	3 PHASE	CURRENT				
SERVICE FACTOR	1.15	NO LOAD	19.0	A	11.0	A
INSULATION CLASS	F CLASS	FULL LOAD	40.2	A	23.2	A
TEMP. RISE AT FULL LOAD (at S.F 1.0)		STARTING	336.2	A	194.6	A
RES. METHOD	105	EFFICIENCY				
THERMO. METHOD		AT 1/2 LOAD	-	%		
LOCATION	<input type="checkbox"/> INDOOR <input checked="" type="checkbox"/> OUTDOOR	AT 3/4 LOAD	-	%		
ALTITUDE	1000 m	AT FULL LOAD	91.0	%		
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	79.0	%		
MOUNTING	<input type="checkbox"/> B3 <input type="checkbox"/> B5 <input checked="" type="checkbox"/> V1 <input type="checkbox"/> B3B5	SPEED (AT FULL LOAD)	1764	rpm		
BEARING	TYPE	BALL				
	DEW-DE	6309ZZ/6307ZZ				
	LUBRICANT	GREASE				
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	6.1	kg-m	100%	
SHAFT	EXTENSION	LOCKED ROTOR	9.1	kg-m	150%	
		BREAKDOWN	12.1	kg-m	200%	
		NOISE LEVEL	78.0	dB(A)		
EXTERNAL THRUST	SINGLE	VIBRATION				
TERMINAL BOX	MAIN	ALLOWABLE LOAD GD <sup>2</sup> REFERRED TO MOTOR SHAFT				
		(AT DIRECT ON-LINE)				
		37.8	kg-m <sup>2</sup>			
AUX.	<input type="checkbox"/> STEEL <input type="checkbox"/> AL <input checked="" type="checkbox"/> CAST	Motor GD <sup>2</sup>	0.2869	kg-m <sup>2</sup>		
BOX LOCATION	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	MOTOR APPROX. WEIGHT	130.0	kg		
APPLICATION STANDARDS	IEC.KS	PAINTING	MUNSELL NO.	7.1 B 4.0/0.9		
		THICKNESS	<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/>	μm		

ACCESSORIES (OPTIONAL)	SUBMITTAL DRAWINGS
	OUTLINE DIMENSION

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.	2. HIGH EFFICIENCY MOTOR

TE : TOTALLY ENCLOSED	DP : DRIP PROOF	DATE	PREPARED	CHECKED	APPROVED
FC : FAN COOLED	SC : SELF COOLED	2006-05-08	B.K.KIM	J.S.PARK	H.T.KIM