

		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		<input type="checkbox"/> D.O.L <input checked="" 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"/> 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		TORQUE			
	DEIN-DE	6309ZZ/6307ZZ		FULL LOAD 6.1 kg-m 100%			
	LUBRICANT	GREASE		LOCKED ROTOR 9.1 kg-m 150%			
COUPLING METHOD		<input checked="" type="checkbox"/> DIRECT <input type="checkbox"/> V-BELT		BREAKDOWN 12.1 kg-m 200%			
ROTATION(Facing Drive End)		<input checked="" type="checkbox"/> CW <input checked="" type="checkbox"/> CCW		NOISE LEVEL 78.0 dB(A)			
SHAFT				VIBRATION 30.0 μm			
EXTENSION		SINGLE		ALLOWABLE LOAD GD² REFERRED TO MOTOR SHAFT			
EXTERNAL THRUST				(AT DIRECT ON-LINE) 37.8 kg-m²			
TERMINAL BOX				Motor GD² 0.2869 kg-m²			
MAIN		<input type="checkbox"/> STEEL <input type="checkbox"/> AL <input checked="" type="checkbox"/> CAST		MOTOR APPROX. WEIGHT 130.0 kg			
AUX.		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		PAINTING			
BOX LOCATION		LEFT (Viewed from Drive end)		MUNSELL NO. 7.1 B 4.0/0.9			
APPLICATION STANDARDS		IEC.KS		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