

HIGEN		INDUCTION MOTOR DATA SHEET		7.5 kW - 4 P	
MODEL: KMI-10HT1		CUSTOMER :		REV. NO :	
APPLICATION:		PROJECT NAME:		QUANTITY :	
GENERAL DATA			PERFORMANCE DATA		
FRAME NO.		132M		OUTPUT 7.5 kW	
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- <input type="checkbox"/> REACTOR (%TAP) <input type="checkbox"/> V.V.V.F		
PROTECTION	IP 44		SOFT-STARTER <input type="checkbox"/>		
METHODS OF COOLING	<input type="checkbox"/> SC <input checked="" type="checkbox"/> FC <input type="checkbox"/>		RATED VOLTAGE 220 V 380 V V		
FREQUENCY	50 Hz		CURRENT		
PHASE	3 PHASE		NO LOAD A A A		
SERVICE FACTOR	1.0		FULL LOAD 26.6 A 15.2 A A		
INSULATION CLASS	F CLASS		STARTING 172.9 A 98.8 A A		
TEMP. RISE AT FULL LOAD (at S.F 1.0)			EFFICIENCY		
RES. METHOD		105		AT 1/2 LOAD %	
THERMO. METHOD				AT 3/4 LOAD %	
LOCATION	<input checked="" type="checkbox"/> INDOOR <input type="checkbox"/> OUTDOOR		AT FULL LOAD 87.5 %		
ALTITUDE	1000 m		POWER FACTOR		
HUMIDITY	80 %		AT 1/2 LOAD %		
AMBIENT TEMPERATURE	-10~40		AT 3/4 LOAD %		
RATING	<input checked="" type="checkbox"/> CONT. <input type="checkbox"/> %ED		AT FULL LOAD 79.0 %		
NEMA DESIGN	B		SPEED (AT FULL LOAD) 1450 rpm		
MOUNTING	<input checked="" type="checkbox"/> B3 <input type="checkbox"/> B5 <input type="checkbox"/> V1 <input type="checkbox"/> B3B5		TORQUE		
BEARING	TYPE	BALL		FULL LOAD 4.1 kg-m 100%	
	DEW-DE	6208ZZ/6206ZZ		LOCKED ROTOR 6.6 kg-m 160%	
	LUBRICANT	GREASE		BREAKDOWN 8.2 kg-m 200%	
COUPLING METHOD		<input checked="" type="checkbox"/> DIRECT <input type="checkbox"/> V-BELT		NOISE LEVEL 77.0 dB(A)	
SHAFT				VIBRATION 15.0 μ m	
EXTENSION		SINGLE		ALLOWABLE LOAD GD ² REFERRED TO MOTOR SHAFT	
EXTERNAL THRUST				(AT DIRECT ON-LINE) 29.3 kg-m ²	
TERMINAL BOX			Motor GD ² 0.1060 kg-m ²		
MAIN		<input checked="" type="checkbox"/> STEEL <input type="checkbox"/> AL <input type="checkbox"/> CAST		MOTOR APPROX. WEIGHT 70.0 kg	
AUX.		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		PAINTING	
BOX LOCATION		LEFT (Viewed from Drive end)		MUNSELL NO. 7.1B4.0/0.9	
APPLICATION STANDARDS		IEC, KS		THICKNESS <input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> μ m	
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.					
FC : FAN COOLED	SC : SELF COOLED	DATE	PREPARED	CHECKED	APPROVED
		2008-03-31	M.S.PARK	J.H.JO	H.J.KIM