

HIGEN		INDUCTION MOTOR DATA SHEET		10 HP - 4 P	
MODEL: I10HK1IHGC		CUSTOMER :		REV. NO : 0	
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		<input checked="" type="checkbox"/> D.O.L <input type="checkbox"/> Y-△ <input type="checkbox"/> REACTOR (%TAP) <input checked="" type="checkbox"/> V.V.V.F <input type="checkbox"/> SOFT-STARTER		
PROTECTION IP 54		STARTING METHOD			
METHODS OF COOLING <input type="checkbox"/> SC <input checked="" type="checkbox"/> FC <input type="checkbox"/>					
FREQUENCY 30~60 Hz		RATED VOLTAGE 220 V 380 V V			
PHASE 3 PHASE		CURRENT			
SERVICE FACTOR 1.0		NO LOAD		10.4 A	6.0 A A
INSULATION CLASS F CLASS		FULL LOAD		26.4 A	15.3 A A
TEMP. RISE AT FULL LOAD (at S.F 1.0)		STARTING		159.5 A	92.6 A A
RES. METHOD 105 °C		EFFICIENCY(60Hz)			
THERMO. METHOD °C		AT 1/2 LOAD %			
LOCATION <input checked="" type="checkbox"/> INDOOR <input type="checkbox"/> OUTDOOR		AT 3/4 LOAD %			
ALTITUDE 1000 m		AT FULL LOAD 91.0 %			
HUMIDITY 80 %		POWER FACTOR(60Hz)			
AMBIENT TEMPERATURE -10~40 °C		AT 1/2 LOAD %			
RATING <input checked="" type="checkbox"/> CONT. <input type="checkbox"/> %ED		AT 3/4 LOAD %			
NEMA DESIGN B		AT FULL LOAD 82.0 %			
MOUNTING <input checked="" type="checkbox"/> B3 <input type="checkbox"/> B5 <input type="checkbox"/> V1 <input type="checkbox"/> B3B5		SPEED (AT FULL LOAD)		1750	rpm
BEARING	TYPE	BALL			
	DEW-DE	6208ZZ/6206ZZ			
	LUBRICANT	GREASE			
COUPLING METHOD <input checked="" type="checkbox"/> DIRECT <input type="checkbox"/> V-BELT		TORQUE			
SHAFT		NOISE LEVEL		77.0	dB(A)
EXTENSION		SINGLE		VIBRATION 30.0 μm	
EXTERNAL THRUST		ALLOWABLE LOAD GD ² REFERRED TO MOTOR SHAFT			
TERMINAL BOX		(AT DIRECT ON-LINE)		29.3	kg-m ²
MAIN <input type="checkbox"/> STEEL <input type="checkbox"/> AL <input checked="" type="checkbox"/> CAST		Motor GD ²		0.1434	kg-m ²
AUX. <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		MOTOR APPROX. WEIGHT		80.0	kg
BOX LOCATION LEFT (Viewed from Drive end)		PAINTING	MUNSELL NO.	5 PB 6/1.5	
APPLICATION STANDARDS KS.IEC		THICKNESS		<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/>	μm
ACCESSORIES (OPTIONAL)			SUBMITTAL DRAWINGS		
TEMPERATURE DETECTOR			OUTLINE DIMENSION		DW-H-132M-CAT
WINDING NO			S-T CURVE		ST-KMH-10HK1
TYPE					
BEARING NO					
TYPE					
SPACE HEATER NO					
RATING					
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
			2006-12-19	J.H JO	J.S.PARK
					APPROVED
					H.T.KIM