

HIGEN		INDUCTION MOTOR DATA SHEET		0.75 kW - 4 P	
MODEL: I01HN1TBSC		CUSTOMER :		REV. NO :	
APPLICATION:		PROJECT NAME:		QUANTITY :	
GENERAL DATA			PERFORMANCE DATA		
FRAME NO.		80		OUTPUT 0.75 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		<input checked="" type="checkbox"/> D.O.L <input type="checkbox"/> Y-	
PROTECTION		IP 55		STARTING METHOD <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"/> AO		<input type="checkbox"/> SOFT-STARTER	
FREQUENCY		60 Hz		RATED VOLTAGE 220 V 440 V V	
PHASE		3 PHASE		CURRENT	
SERVICE FACTOR		1.0		NO LOAD A A A	
INSULATION CLASS		B CLASS		FULL LOAD 3.5 A 1.8 A A	
TEMP. RISE AT FULL LOAD (at S.F 1.0)				STARTING 22.8 A 11.7 A A	
RES. METHOD		85		EFFICIENCY	
THERMO. METHOD				AT 1/2 LOAD %	
LOCATION <input checked="" type="checkbox"/> INDOOR <input type="checkbox"/> OUTDOOR				AT 3/4 LOAD %	
ALTITUDE 1000 m				AT FULL LOAD 71.5 %	
HUMIDITY 80 %				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 73.0 %	
MOUNTING <input checked="" type="checkbox"/> B3 <input type="checkbox"/> B5 <input type="checkbox"/> V1 <input type="checkbox"/> B3B5				SPEED (AT FULL LOAD) 1730 rpm	
BEARING TYPE BALL				TORQUE	
DEW-DE 6204ZZ/6203ZZ				FULL LOAD 0.42 kg-m 100%	
LUBRICANT GREASE				LOCKED ROTOR 0.80 kg-m 190%	
COUPLING METHOD <input checked="" type="checkbox"/> DIRECT <input type="checkbox"/> V-BELT				BREAKDOWN 0.84 kg-m 200%	
SHAFT				NOISE LEVEL 63.0 dB(A)	
EXTENSION SINGLE				VIBRATION 15.0 μm	
EXTERNAL THRUST				ALLOWABLE LOAD GD ² REFERRED TO MOTOR SHAFT	
TERMINAL BOX				(AT DIRECT ON-LINE) 3.6 kg-m ²	
MAIN <input type="checkbox"/> STEEL <input checked="" type="checkbox"/> AL <input type="checkbox"/> CAST				Motor GD ² 0.0092 kg-m ²	
AUX. <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO				MOTOR APPROX. WEIGHT 18.0 kg	
BOX LOCATION LEFT				PAINTING 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		
NOTE		REMARKS			
1. THESE DATA ARE ONLY DESIGN VALUES AND SHALL BE GUARANTEED WITH TOLLERANCE OF APPLICATION STANDARDS.		1. ABOVE ALL DATA ARE CALCULATED AT 100% VOLTAGE.			
2. OTHERS NOT MENTIONED IN THIS SHEET SHALL BE IN ACCORDANCE WITH HIGEN STANDARD.					
FC : FAN COOLED SC : SELF COOLED		DATE	PREPARED	CHECKED	APPROVED
AO : AIR OVER		2008.08.01	S.M.KIM	J.H.JO	H.J.KIM