

HIGEN		INDUCTION MOTOR DATA SHEET		0.75 kW - 4 P	
MODEL: KMT-02HB6		CUSTOMER :		REV. NO :	
APPLICATION:		PROJECT NAME:		QUANTITY :	
GENERAL DATA			PERFORMANCE DATA		
FRAME NO.		112		OUTPUT 1.5 kW	
ENCLOSURE	<input checked="" type="checkbox"/> DRIP PROOF		POLES 4 POLES		
	<input type="checkbox"/> TOTALLY ENCLOSED		ROTOR TYPE SQUIRREL CAGE		
	<input type="checkbox"/> Increased Safety Exp.-proof		STARTING METHOD CAPACITOR START		
PROTECTION		IP 22		CAPACITOR (μ F)	
METHODS OF COOLING		<input checked="" type="checkbox"/> SC <input type="checkbox"/> FC <input type="checkbox"/>		START 800 μ F	
FREQUENCY		60 Hz		RATED VOLTAGE 220 V V V	
PHASE		1 PHASE		CURRENT	
SERVICE FACTOR		1.0		NO LOAD A A A	
INSULATION CLASS		B CLASS		FULL LOAD 14.1 A A A	
TEMP. RISE AT FULL LOAD (at S.F 1.0)				STARTING 105.9 A A A	
RES. METHOD		80		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 70.0 %	
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 69.0 %	
MOUNTING		<input checked="" type="checkbox"/> B3 <input type="checkbox"/> B5 <input type="checkbox"/> V1 <input type="checkbox"/> B3B5		SPEED (AT FULL LOAD) 1770 rpm	
BEARING	TYPE		BALL		
	DEW-DE		6205ZZ / 6205ZZ		
	LUBRICANT		GREASE		
COUPLING METHOD		<input checked="" type="checkbox"/> DIRECT <input type="checkbox"/> V-BELT		TORQUE	
SHAFT				FULL LOAD 0.8 kg-m 100%	
EXTENSION		SINGLE		LOCKED ROTOR 1.6 kg-m 190%	
EXTERNAL THRUST				BREAKDOWN 1.7 kg-m 200%	
TERMINAL BOX				NOISE LEVEL 67.0 dB(A)	
MAIN		<input type="checkbox"/> STEEL <input type="checkbox"/> AL <input type="checkbox"/> CAST		VIBRATION 30.0 μ m	
AUX.		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		ALLOWABLE LOAD GD ² REFERRED TO MOTOR SHAFT (AT DIRECT ON-LINE) 6.0 kg-m ²	
BOX LOCATION		LEFT (Viewed from Drive end)		Motor GD ² 0.0174 kg-m ²	
APPLICATION STANDARDS		IEC, KS		MOTOR APPROX. WEIGHT 32.0 kg	
				PAINTING MUNSELL NO. 7.1B 4.0 / 0.9	
				THICKNESS <input 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.					
TE : TOTALLY ENCLOSED DP : DRIP PROOF		DATE		PREPARED	CHECKED
FC : FAN COOLED SC : SELF COOLED		2009-07-02		H.Y.KIM	K.I.HA
				APPROVED	H.J.KIM