

HIGEN		INDUCTION MOTOR DATA SHEET		0.75 kW - 4 P	
MODEL: I01HV1FDM1		CUSTOMER :		REV. NO :	
APPLICATION:		ITEM NO. :		QUANTITY :	
GENERAL DATA			PERFORMANCE DATA		
FRAME NO.		FF165		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 44		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"/>		<input type="checkbox"/> SOFT-STARTER	
FREQUENCY		60 Hz		RATED VOLTAGE 440 V V V	
PHASE		3 PHASE		CURRENT	
SERVICE FACTOR		1.0		NO LOAD A A A	
INSULATION CLASS		F CLASS		FULL LOAD 1.6 A A A	
TEMP. RISE AT FULL LOAD (at S.F 1.0)				STARTING 11.2 A A A	
RES. METHOD		95		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 76.0 %	
HUMIDITY		80 %		POWER FACTOR	
AMBIENT TEMPERATURE		-10~50		AT 1/2 LOAD %	
RATING		<input checked="" type="checkbox"/> CONT. <input type="checkbox"/> %ED		AT 3/4 LOAD %	
NEMA DESIGN		B		AT FULL LOAD 78.5 %	
MOUNTING		<input type="checkbox"/> B3 <input type="checkbox"/> B5 <input checked="" type="checkbox"/> V1 <input type="checkbox"/> B3B5		SPEED (AT FULL LOAD) 1720 rpm	
BEARING		TYPE BALL		TORQUE	
		DEW-DE 6204ZZ/6203ZZ		FULL LOAD 0.4 kg-m 100%	
		LUBRICANT GREASE		LOCKED ROTOR 0.8 kg-m 190%	
COUPLING METHOD		<input checked="" type="checkbox"/> DIRECT <input type="checkbox"/> V-BELT		BREAKDOWN 0.8 kg-m 200%	
SHAFT				NOISE LEVEL 63.0 dB(A)	
EXTENSION		SINGLE		VIBRATION 30.0 $\mu$ m	
EXTERNAL THRUST				ALLOWABLE LOAD GD <sup>2</sup> REFERRED TO MOTOR SHAFT	
TERMINAL BOX				(AT DIRECT ON-LINE) 3.6 kg-m <sup>2</sup>	
MAIN		<input type="checkbox"/> STEEL <input type="checkbox"/> AL <input checked="" type="checkbox"/> CAST		Motor GD <sup>2</sup> 0.0092 kg-m <sup>2</sup>	
AUX.		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		MOTOR APPROX. WEIGHT 21.0 kg	
BOX LOCATION		LEFT (Viewed from Drive end)		PAINTING MUNSSELL NO. 7.5BG 7/2	
APPLICATION STANDARDS		IEC, KS		THICKNESS <input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> $\mu$ m	
ACCESSORIES (OPTIONAL)			SUBMITTAL DRAWINGS		
CABLE GLAND : 20c (1EA)			OUTLINE DIMENSION DW-I01HV1FDM1		
TERMINAL BLOCK : 4P (1EA)			SPEED-TORQUE CURVE ST-I01HV1FDM1		
SPARE PART BEARING : 50%			TERMINAL BOX DIMENSION TB-I01HV1FDM1		
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
		2007.08.22	H.G.HAN	H.K.KIM	H.J.KIM