

HIGEN		INDUCTION MOTOR DATA SHEET		2 HP - 4 P	
MODEL: I02HV1FDMP		CUSTOMER : HYUNDAI Heavy Industries Co., Ltd.		REV. NO : 0	
APPLICATION:		PROJECT NAME: 1768		QUANTITY : 2SET / SHIP	
GENERAL DATA			PERFORMANCE DATA		
FRAME NO.		FF165		OUTPUT 1.5 kW 2 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-	
PROTECTION		IP 44		<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	
PHASE		3 PHASE		RATED VOLTAGE 440 V - V - V	
SERVICE FACTOR		1.0		FREQUENCY 60 Hz	
INSULATION CLASS		F CLASS		CURRENT	
TEMP. RISE AT FULL LOAD (at S.F 1.0)				NO LOAD - A - A - A	
RES. METHOD		95		FULL LOAD 3.2 A - A - A	
THERMO. METHOD				STARTING 24.0 A - A - A	
LOCATION		<input checked="" type="checkbox"/> INDOOR <input type="checkbox"/> OUTDOOR		EFFICIENCY	
ALTITUDE		1000 m		AT 1/2 LOAD %	
HUMIDITY		90 %		AT 3/4 LOAD %	
AMBIENT TEMPERATURE		-10~50		AT FULL LOAD 79.5 %	
RATING		<input checked="" type="checkbox"/> CONT. <input type="checkbox"/> %ED		POWER FACTOR	
NEMA DESIGN		B		AT 1/2 LOAD %	
MOUNTING		<input type="checkbox"/> B3 <input type="checkbox"/> B5 <input checked="" type="checkbox"/> V1 <input type="checkbox"/> B3B5		AT 3/4 LOAD %	
BEARING		TYPE BALL		AT FULL LOAD 77.5 %	
		DEW-DE 6205ZZ/6204ZZ		SPEED (AT FULL LOAD) 1720 rpm	
		LUBRICANT		TORQUE	
COUPLING METHOD		<input checked="" type="checkbox"/> DIRECT <input type="checkbox"/> V-BELT		FULL LOAD 0.8 kg-m 100%	
ROTATION(Facing Drive End)		<input checked="" type="checkbox"/> CW <input checked="" type="checkbox"/> CCW		LOCKED ROTOR 2.0 kg-m 240%	
SHAFT				BREAKDOWN 2.4 kg-m 280%	
EXTENSION		SINGLE		NOISE LEVEL 67.0 dB(A)	
EXTERNAL THRUST				VIBRATION 15.0 $\mu$ m	
TERMINAL BOX				ALLOWABLE LOAD GD <sup>2</sup> REFERRED TO MOTOR SHAFT	
MAIN		<input type="checkbox"/> STEEL <input type="checkbox"/> AL <input checked="" type="checkbox"/> CAST		(AT DIRECT ON-LINE) 6.0 kg-m <sup>2</sup>	
AUX.		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		Motor GD <sup>2</sup> 0.0174 kg-m <sup>2</sup>	
BOX LOCATION		LEFT (Viewed from Drive end)		MOTOR APPROX. WEIGHT 29.0 kg	
APPLICATION STANDARDS		IEC, KS		PAINTING	
				MUNSELL NO. RAL 6019	
				THICKNESS <input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> $\mu$ m	
ACCESSORIES (OPTIONAL)			SUBMITTAL DRAWINGS		
TEMPERATURE DETECTOR			OUTLINE DIMENSION		DW-I02HV1FDMP
WINDING					
TYPE					
BEARING					
TYPE					
SPACE HEATER			YES (WINDING TYPE)		
RATING			1 , 24V		
SPARE PART			BEARING : 50%		
NOTE			REMARKS		
1. THESE DATA ARE ONLY DESIGN VALUES AND SHALL BE			1. ABOVE ALL DATA ARE CALCULATED AT 100% VOLTAGE.		
GUARANTEED WITH TOLERANCE OF APPLICATION STANDARDS.			2. FOR SERVO PUMP		
2. OTHERS NOT MENTIONED IN THIS SHEET SHALL BE					
IN ACCORDANCE WITH OTIS STANDARD.					
TE : TOTALLY ENCLOSED		DP : DRIP PROOF		DATE	PREPARED
FC : FAN COOLED		SC : SELF COOLED		2007.01.11	H.G.HAN
				CHECKED	APPROVED
				H.K.KIM	H.J.KIM