

HIGEN		INDUCTION MOTOR DATA SHEET		1/2 HP - 4 P	
MODEL: I400V6GHSC		CUSTOMER :		REV. NO : 0	
APPLICATION:		PROJECT NAME:		QUANTITY : SETS	
GENERAL DATA			PERFORMANCE DATA		
FRAME NO. 71		OUTPUT 0.4 kW 1/2 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 54		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	
PHASE 3 PHASE		RATED VOLTAGE 440 V - V - V			
SERVICE FACTOR 1.0		FREQUENCY 60 Hz			
INSULATION CLASS B CLASS		CURRENT			
TEMP. RISE AT FULL LOAD (at S.F 1.0)		NO LOAD		- A	- A
RES. METHOD 80		FULL LOAD		1.1 A	- A
THERMO. METHOD		STARTING		6.1 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 -10-40		AT FULL LOAD		77.5	%
RATING <input checked="" type="checkbox"/> CONT. <input type="checkbox"/> %ED		POWER FACTOR			
NEMA DESIGN B		AT 1/2 LOAD		%	
MOUNTING <input checked="" type="checkbox"/> B3 <input type="checkbox"/> B5 <input type="checkbox"/> V1 <input type="checkbox"/> B3B5		AT 3/4 LOAD		%	
BEARING TYPE BALL		AT FULL LOAD		62.5	%
DEW-DE 6203ZZ/6203ZZ		SPEED (AT FULL LOAD)		1710	rpm
LUBRICANT		TORQUE			
COUPLING METHOD <input checked="" type="checkbox"/> DIRECT <input type="checkbox"/> V-BELT		FULL LOAD		0.2 kg-m	100%
ROTATION(Facing Drive End) <input checked="" type="checkbox"/> CW <input checked="" type="checkbox"/> CCW		LOCKED ROTOR		0.5 kg-m	200%
SHAFT		BREAKDOWN		0.5 kg-m	200%
EXTENSION SINGLE		NOISE LEVEL		61.0	dB(A)
EXTERNAL THRUST		VIBRATION		15.0	μm
TERMINAL BOX		ALLOWABLE LOAD GD ² REFERRED TO MOTOR SHAFT			
MAIN <input type="checkbox"/> STEEL <input checked="" type="checkbox"/> AL <input type="checkbox"/> CAST		(AT DIRECT ON-LINE)		2.4	kg-m ²
AUX. <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		Motor GD ²		0.0079	kg-m ²
BOX LOCATION LEFT (Viewed from Drive end)		MOTOR APPROX. WEIGHT		11.0	kg
APPLICATION STANDARDS IEC, KS		PAINTING		MUNSELL NO. 7.1B 4.0/0.9	
		THICKNESS		<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> μm	
ACCESSORIES (OPTIONAL)			SUBMITTAL DRAWINGS		
TEMPERATURE DETECTOR			OUTLINE DIMENSION		DW-I400V6GHSC
WINDING			SPEED VS TORQUE, CURRENT CURVE		ST-I400V6GHSC
TYPE					
BEARING					
TYPE					
SPACE HEATER					
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.			2. SUN COVER		
TE : TOTALLY ENCLOSED DP : DRIP PROOF			DATE	PREPARED	CHECKED
FC : FAN COOLED SC : SELF COOLED			2006.08.25	H.G.HAN	H.J.KIM
					APPROVED
					H.T.KIM