

HIGEN			INDUCTION MOTOR DATA SHEET			2.2 kW 4 P 100L		
MODEL: I03HK6HDUP			CUSTOMER :		COIL SPEC NO.:		REV. NO : 0	
APPLICATION:			PROJECT NAME:			QUANTITY : SETS		
GENERAL DATA				PERFORMANCE DATA				
FRAME NO.		100L		OUTPUT		2.2 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		STARTING METHOD		<input checked="" type="checkbox"/> D.O.L <input type="checkbox"/> Y-		
PROTECTION		IP 54				<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"/> VECTOR-DRIVE		
PHASE		3 PHASE				RATED VOLTAGE		220 V 380 V
SERVICE FACTOR		1.15		FREQUENCY		60 Hz		
INSULATION CLASS		F CLASS		CURRENT				
TEMP. RISE AT FULL LOAD (at S.F 1.0)				NO LOAD		A		A
RES. METHOD		105		FULL LOAD		7.9 A		4.5 A
THERMO. METHOD				STARTING		74.6 A		43.2 A
LOCATION		<input checked="" type="checkbox"/> INDOOR <input type="checkbox"/> OUTDOOR		EFFICIENCY				
ALTITUDE		1000 m		AT 1/2 LOAD		%		
HUMIDITY		80 %		AT 3/4 LOAD		%		
AMBIENT TEMPERATURE		-10-40		AT FULL LOAD		87.5 %		
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 / BALL		AT FULL LOAD		84.0 %		
		DEW-DE 6207ZZ / 6205ZZ		SPEED (AT FULL LOAD)		1740 rpm		
		LUBRICANT GREASE		TORQUE				
COUPLING METHOD		<input checked="" type="checkbox"/> DIRECT <input type="checkbox"/> V-BELT		FULL LOAD		1.23 kg-m		100%
ROTATION(Facing Drive End)		<input type="checkbox"/> CW <input checked="" type="checkbox"/> CCW		LOCKED ROTOR		2.22 kg-m		180%
SHAFT				BREAKDOWN		2.46 kg-m		200%
EXTENSION		SINGLE		NOISE LEVEL		68.0 dB(A)		
		EXTERNAL THRUST -		VIBRATION		30.0 μm		
TERMINAL BOX				ALLOWABLE LOAD GD <sup>2</sup> REFERRED TO MOTOR SHAFT				
MAIN		<input type="checkbox"/> STEEL <input checked="" type="checkbox"/> AL <input type="checkbox"/> CAST		(AT DIRECT ON-LINE)		12.0 kg-m <sup>2</sup>		
AUX.		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		Motor GD <sup>2</sup>		0.0351 kg-m <sup>2</sup>		
BOX LOCATION		LEFT (Viewed from Drive end)		MOTOR APPROX. WEIGHT		32 kg		
APPLICATION STANDARDS		KS.IEC		PAINTING		MUNSELL NO. 5PB 8.0/2.5		
				THICKNESS		<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> μm		
ACCESSORIES (OPTIONAL)				SUBMITTAL DRAWINGS				
TEMPERATURE DETECTOR				OUTLINE DIMENSION		DW-I03HK6HDUP		
WINDING		NO						
TYPE		-						
BEARING		NO						
TYPE		-						
SPACE HEATER		NO						
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 HIGEN MOTOR STANDARD.				2. HIGH EFFICIENCY MOTOR.				
TE : TOTALLY ENCLOSED		DP : DRIP PROOF		DATE		PREPARED		CHECKED
FC : FAN COOLED		SC : SELF COOLED		2010-11-30		S.D.YUN		K.I.HA
								APPROVED
								H.J.KIM