

HIGEN		INDUCTION MOTOR DATA SHEET		30 kW 2 P 180L	
MODEL: KMH-40HU3		CUSTOMER :		COIL SPEC NO.:	
APPLICATION:		PROJECT NAME:		REV. NO : 0	
				QUANTITY : SETS	
GENERAL DATA			PERFORMANCE DATA		
FRAME NO.		180L		OUTPUT 30 kW	
ENCLOSURE		<input type="checkbox"/> DRIP PROOF		POLES 2 POLES	
		<input checked="" type="checkbox"/> TOTALLY ENCLOSED		ROTOR TYPE SQUIRREL CAGE	
		<input type="checkbox"/> Increased Safety Exp.-proof		<input type="checkbox"/> D.O.L <input checked="" type="checkbox"/> Y-	
PROTECTION		IP 54		STARTING METHOD	
METHODS OF COOLING		<input type="checkbox"/> SC <input checked="" type="checkbox"/> FC <input type="checkbox"/>		<input type="checkbox"/> REACTOR ( %TAP) <input type="checkbox"/> V.V.V.F	
PHASE		3 PHASE		<input type="checkbox"/> VECTOR DRIVE	
SERVICE FACTOR		1.15		RATED VOLTAGE 380 V V	
INSULATION CLASS		F CLASS		FREQUENCY 60 Hz	
TEMP.RISE AT FULL LOAD (at S.F 1.0)		CURRENT			
RES. METHOD		105		NO LOAD A A	
THERMO. METHOD				FULL LOAD 57.1 A A	
				STARTING 497.1 A 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 91.7 %	
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 87.0 %	
		DEW-DE 6312ZZC3 / 6309ZZ		SPEED (AT FULL LOAD) 3540 rpm	
		LUBRICANT GREASE		TORQUE	
COUPLING METHOD		<input checked="" type="checkbox"/> DIRECT <input type="checkbox"/> V-BELT		FULL LOAD 8.3 kg-m 100%	
ROTATION(Facing Drive End)		<input type="checkbox"/> CW <input checked="" type="checkbox"/> CCW		LOCKED ROTOR 9.9 kg-m 120%	
SHAFT				BREAKDOWN 15.7 kg-m 190%	
EXTENSION		SINGLE		NOISE LEVEL 91.0 dB(A)	
EXTERNAL THRUST		-		VIBRATION 30.0 $\mu$ 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) 16.3 kg-m <sup>2</sup>	
AUX.		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		Motor GD <sup>2</sup> 0.5309 kg-m <sup>2</sup>	
BOX LOCATION		LEFT (Viewed from Drive end)		MOTOR APPROX. WEIGHT 260 kg	
APPLICATION STANDARDS		KS.IEC		PAINTING	
				MUNSELL NO. 5PB 8.0/2.5	
				THICKNESS <input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> $\mu$ m	
ACCESSORIES (OPTIONAL)			SUBMITTAL DRAWINGS		
TEMPERATURE DETECTOR			OUTLINE DIMENSION DW-KMH-40HU3		
WINDING			SPEED-TORQUE CURVE ST-KMH-40HU3		
TYPE			TERMINAL BOX DIMENSION TB-KMH-40HU3		
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 HIGEN MOTOR STANDARD.			2. HIGH EFFICIENCY MOTOR.		
TE : TOTALLY ENCLOSED DP : DRIP PROOF			DATE		
FC : FAN COOLED SC : SELF COOLED			2011-03-04		
			PREPARED H.S.LEE		
			CHECKED K.I.HA		
			APPROVED H.J.KIM		