

HIGEN		INDUCTION MOTOR DATA SHEET		30 kW 4 P 180L	
MODEL: KMH-40HV1		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 4 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 55		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 440 V V	
INSULATION CLASS		F CLASS		FREQUENCY 60 Hz	
TEMP.RISE AT FULL LOAD (at S.F 1.0)		CURRENT			
RES. METHOD		105 deg		NO LOAD A A	
THERMO. METHOD		deg		FULL LOAD 50.0 A A	
LOCATION		<input checked="" type="checkbox"/> INDOOR <input type="checkbox"/> OUTDOOR		STARTING 400.3 A A	
ALTITUDE		1000 m		EFFICIENCY	
HUMIDITY		80 %		AT 1/2 LOAD %	
AMBIENT TEMPERATURE		-10~40		AT 3/4 LOAD %	
RATING		<input checked="" type="checkbox"/> CONT. <input type="checkbox"/> %ED		AT FULL LOAD 93.0 %	
NEMA DESIGN		B		POWER FACTOR	
MOUNTING		<input checked="" type="checkbox"/> B3 <input type="checkbox"/> B5 <input type="checkbox"/> V1 <input type="checkbox"/> B3B5		AT 1/2 LOAD %	
BEARING		TYPE BALL / BALL		AT 3/4 LOAD %	
DEW-DE		6312ZZ / 6309ZZ		AT FULL LOAD 84.6 %	
LUBRICANT		GREASE		SPEED (AT FULL LOAD) 1760 rpm	
COUPLING METHOD		<input checked="" type="checkbox"/> DIRECT <input type="checkbox"/> V-BELT		TORQUE	
ROTATION(Facing Drive End)		<input type="checkbox"/> CW <input checked="" type="checkbox"/> CCW		FULL LOAD 16.6 kg-m 100%	
SHAFT		EXTENSION SINGLE		LOCKED ROTOR 21.6 kg-m 130%	
EXTERNAL THRUST		-		BREAKDOWN 31.5 kg-m 190%	
TERMINAL BOX		ALLOWABLE LOAD GD <sup>2</sup> REFERRED TO MOTOR SHAFT			
MAIN		<input checked="" type="checkbox"/> STEEL <input type="checkbox"/> AL <input type="checkbox"/> CAST		(AT DIRECT ON-LINE) 97.5 kg-m <sup>2</sup>	
AUX.		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		Motor GD <sup>2</sup> 0.8623 kg-m <sup>2</sup>	
BOX LOCATION		LEFT (Viewed from Drive end)		MOTOR APPROX. WEIGHT 210 kg	
APPLICATION STANDARDS		KS.IEC		PAINTING	
				MUNSELL NO. 5PB 2.5/8.0	
				THICKNESS <input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> μm	
ACCESSORIES (OPTIONAL)			SUBMITTAL DRAWINGS		
TEMPERATURE DETECTOR			OUTLINE DIMENSION DW-KMH-40HV1		
WINDING			SPEED-TORQUE CURVE ST-KMH-40HV1		
TYPE			TERMINAL BOX DIMENSION TB-180FR STEEL		
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			PREPARED		
			CHECKED		
			APPROVED		
			2015-06-09		
			H.S.LEE		
			K.I.HA		
			K.I.HA		