

HIGEN		INDUCTION MOTOR DATA SHEET		18.5 kW 4 P 180M	
MODEL: KMH-25HU1		CUSTOMER :		COIL SPEC NO.:	
APPLICATION:		PROJECT NAME:		REV. NO : 0	
				QUANTITY : SETS	
GENERAL DATA			PERFORMANCE DATA		
FRAME NO.		180M		OUTPUT 18.5 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 380 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 36.7 A A	
LOCATION		<input checked="" type="checkbox"/> INDOOR <input type="checkbox"/> OUTDOOR		STARTING 274.9 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 92.4 %	
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		6311ZZ / 6309ZZ		AT FULL LOAD 83.0 %	
LUBRICANT		GREASE		SPEED (AT FULL LOAD) 1765 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 10.2 kg-m 100%	
SHAFT		LOCKED ROTOR 14.3 kg-m 140%			
EXTENSION		SINGLE		BREAKDOWN 19.4 kg-m 190%	
EXTERNAL THRUST		-		NOISE LEVEL 82.0 dB(A)	
TERMINAL BOX		VIBRATION 30.0 μ m			
MAIN		<input checked="" type="checkbox"/> STEEL <input type="checkbox"/> AL <input type="checkbox"/> CAST		ALLOWABLE LOAD GD ² REFERRED TO MOTOR SHAFT	
AUX.		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		(AT DIRECT ON-LINE) 65.0 kg-m ²	
BOX LOCATION		LEFT (Viewed from Drive end)		Motor GD ² 0.6545 kg-m ²	
APPLICATION STANDARDS		KS.IEC		MOTOR APPROX. WEIGHT 177 kg	
				PAINTING	
				MUNSELL NO. 5PB 2.5/8.0	
				THICKNESS <input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> μ m	
ACCESSORIES (OPTIONAL)			SUBMITTAL DRAWINGS		
TEMPERATURE DETECTOR			OUTLINE DIMENSION DW-KMH-25HU1		
WINDING			SPEED-TORQUE CURVE ST-KMH-25HU1		
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		
			2015-07-16		
			H.S.LEE		
			K.I.HA		
			K.I.HA		