

HIGEN		INDUCTION MOTOR DATA SHEET		18.5 kW 4 P 180M	
MODEL: KMH-25HV1		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		<input type="checkbox"/> REACTOR (%TAP) <input checked="" 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 440 V 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 deg		FULL LOAD		31.3 A A	
THERMO. METHOD deg		STARTING		250.2 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		92.4 %	
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 6311ZZ / 6309ZZ		SPEED (AT FULL LOAD)		1770 rpm	
LUBRICANT GREASE		TORQUE			
COUPLING METHOD <input checked="" type="checkbox"/> DIRECT <input type="checkbox"/> V-BELT		FULL LOAD		10.2 kg-m 100%	
ROTATION(Facing Drive End) <input type="checkbox"/> CW <input checked="" type="checkbox"/> CCW		LOCKED ROTOR		14.2 kg-m 140%	
SHAFT		BREAKDOWN		19.3 kg-m 190%	
EXTENSION SINGLE		NOISE LEVEL		82.0 dB(A)	
EXTERNAL THRUST -		VIBRATION		30.0 μm	
TERMINAL BOX		ALLOWABLE LOAD GD ² REFERRED TO MOTOR SHAFT			
MAIN <input checked="" type="checkbox"/> STEEL <input type="checkbox"/> AL <input type="checkbox"/> CAST		(AT DIRECT ON-LINE)		65.0 kg-m ²	
AUX. <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		Motor GD ²		0.6545 kg-m ²	
BOX LOCATION LEFT (Viewed from Drive end)		MOTOR APPROX. WEIGHT		177 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-25HV1
WINDING NO			SPEED-TORQUE CURVE		ST-KMH-25HV1
TYPE -			TERMINAL BOX DIMENSION		TB-180FR STEEL
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
FC : FAN COOLED SC : SELF COOLED			2015-06-09		H.S.LEE
			CHECKED		K.I.HA
			APPROVED		H.J.KIM