

		INDUCTION MOTOR DATA SHEET		18.5 kW 4 P 180M	
MODEL: KMP-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 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 80 deg			FULL LOAD 31.8 A A		
THERMO. METHOD deg			STARTING 222.8 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 93.6 %		
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 81.5 %		
	DEW-DE	6311ZZC3 / 6309ZZC3	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 180 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-180MTFCHLS-1		
WINDING NO			SPEED-TORQUE CURVE ST-P18.5KV1T180M-1		
TYPE -			TERMINAL BOX DIMENSION TB-MS180NZ-1		
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. PREMIUM EFFICIENCY MOTOR.		
TE : TOTALLY ENCLOSED DP : DRIP PROOF			DATE		
FC : FAN COOLED SC : SELF COOLED			2016-04-08		
			PREPARED H.S.LEE		
			CHECKED K.I.HA		
			APPROVED K.I.HA		