



# INDUCTION MOTOR DATA SHEET

**15 kW 6 P 180M**

MODEL: KMP-20HU8	CUSTOMER :	COIL SPEC NO.:	REV. NO : 0
APPLICATION:	PROJECT NAME:	QUANTITY :	SETS

GENERAL DATA			PERFORMANCE DATA		
FRAME NO.	180M		OUTPUT	15 kW	
ENCLOSURE	<input type="checkbox"/> DRIP PROOF		POLES	6 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	380 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	32.9 A	A
THERMO. METHOD	deg		STARTING	197.5 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 °C		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	75.5 %	
	DEIN-DE	6311ZZC3 / 6309ZZC3	SPEED (AT FULL LOAD)	1170 rpm	
	LUBRICANT	GREASE	TORQUE		
COUPLING METHOD	<input checked="" type="checkbox"/> DIRECT <input type="checkbox"/> V-BELT		FULL LOAD	12.5 kg-m	100%
ROTATION(Facing Drive End)	<input type="checkbox"/> CW <input checked="" type="checkbox"/> CCW		LOCKED ROTOR	17.5 kg-m	140%
SHAFT			BREAKDOWN	22.5 kg-m	180%
	EXTENSION	SINGLE	NOISE LEVEL	74.0 dB(A)	
	EXTERNAL THRUST	-	VIBRATION	30.0 μm	
TERMINAL BOX			ALLOWABLE LOAD GD² REFERRED TO MOTOR SHAFT		
MAIN	<input checked="" type="checkbox"/> STEEL <input type="checkbox"/> AL <input type="checkbox"/> CAST		(AT DIRECT ON-LINE)	169.0 kg-m²	
AUX.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		Motor GD²	1.0462 kg-m²	
BOX LOCATION	LEFT (Viewed from Drive end)		MOTOR APPROX. WEIGHT	190 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-14	
WINDING	NO		SPEED-TORQUE CURVE	ST-P15KU8T180M-4	
	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	PREPARED	CHECKED	APPROVED
FC : FAN COOLED	SC : SELF COOLED	2020-12-15	H.S.LEE	K.I.HA	K.I.HA