

MODEL: KMH-20HK1	CUSTOMER :	COIL SPEC NO.:	REV. NO : 0
APPLICATION:	PROJECT NAME:	QUANTITY :	SETS

GENERAL DATA				PERFORMANCE DATA			
FRAME NO.	160L			OUTPUT	15 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			STARTING METHOD	<input checked="" type="checkbox"/> D.O.L <input type="checkbox"/> Y- $\Delta$		
PROTECTION	IP 55				<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"/> NV				<input type="checkbox"/> VECTOR-DRIVE		
PHASE	3 PHASE			RATED VOLTAGE	220 V		380 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
				FULL LOAD	52.0 A		30.0 A
				STARTING	441.9 A		255.0 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 $^{\circ}$ C			AT FULL LOAD		91.0 %	
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		83.2 %	
	DEIN-DE	6309ZZ / 6307ZZ		SPEED (AT FULL LOAD)			
	LUBRICANT	GREASE		1760 rpm			
COUPLING METHOD	<input checked="" type="checkbox"/> DIRECT <input type="checkbox"/> V-BELT			FULL LOAD		8.30 kg-m 100%	
ROTATION(Facing Drive End)	<input type="checkbox"/> CW <input checked="" type="checkbox"/> CCW			LOCKED ROTOR		12.45 kg-m 150%	
SHAFT				BREAKDOWN		16.60 kg-m 200%	
EXTENSION		SINGLE		NOISE LEVEL		82.0 dB(A)	
EXTERNAL THRUST		-		VIBRATION		30.0 $\mu$ m	
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)		48.0 kg-m <sup>2</sup>	
AUX.		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		Motor GD <sup>2</sup>		0.3764 kg-m <sup>2</sup>	
BOX LOCATION		LEFT (Viewed from Drive end)		MOTOR APPROX. WEIGHT		140 kg	
APPLICATION STANDARDS		KS.IEC		PAINTING	MUNSELL NO.	5PB 2.5/8	
				THICKNESS	<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> $\mu$ m		

ACCESSORIES (OPTIONAL)				SUBMITTAL DRAWINGS			
TEMPERATURE DETECTOR				OUTLINE DIMENSION		DW-160LTFCHLS-1	
WINDING		NO		SPEED-TORQUE CURVE		ST-H15KK1T160L-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. HIGH EFFICIENCY MOTOR.			
TE : TOTALLY ENCLOSED	DP : DRIP PROOF	DATE	PREPARED	CHECKED	APPROVED
FC : FAN COOLED	SC : SELF COOLED	2017-03-07	H.S.LIM	K.I.HA	K.I.HA