

MODEL: KMH-20HU1	CUSTOMER :	COIL SPEC NO.:	REV. NO : 0
APPLICATION:	PROJECT NAME:	QUANTITY :	SETS

GENERAL DATA			PERFORMANCE DATA		
FRAME NO.	160L		OUTPUT	15 kW	
ENCLOSURE	☐ DRIP PROOF		POLES	4 POLES	
	☒ TOTALLY ENCLOSED		ROTOR TYPE	SQUIRREL CAGE	
	☐ Increased Safety Exp.-proof		STARTING METHOD	☐ D.O.L ☒ Y-Δ	
PROTECTION	IP 55			☐ REACTOR (%TAP) ☐ V.V.V.F	
METHODS OF COOLING	☐ SC ☒ FC ☐ NV			☐ 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 105 deg			FULL LOAD	29.0 A	A
THERMO. METHOD deg			STARTING	246.5 A	A
LOCATION	☒ INDOOR ☐ OUTDOOR		EFFICIENCY		
ALTITUDE	1000 m		AT 1/2 LOAD %		
HUMIDITY	80 %		AT 3/4 LOAD %		
AMBIENT TEMPERATURE	-10~40 °C		AT FULL LOAD 91.0 %		
RATING	☒ CONT. ☐ %ED		POWER FACTOR		
NEMA DESIGN	B		AT 1/2 LOAD %		
MOUNTING	☒ B3 ☐ B5 ☐ V1 ☐ B3B5		AT 3/4 LOAD %		
BEARING	TYPE	BALL / BALL	AT FULL LOAD 80.0 %		
	DEIN-DE	6309ZZ / 6307ZZ	SPEED (AT FULL LOAD) 1760 rpm		
	LUBRICANT	GREASE	TORQUE		
COUPLING METHOD	☒ DIRECT ☐ V-BELT		FULL LOAD 8.30 kg-m 100%		
ROTATION(Facing Drive End)	☐ CW ☒ CCW		LOCKED ROTOR 12.45 kg-m 150%		
SHAFT	EXTENSION SINGLE		BREAKDOWN 16.60 kg-m 200%		
	EXTERNAL THRUST -		NOISE LEVEL 82.0 dB(A)		
			VIBRATION 30.0 μm		
TERMINAL BOX			ALLOWABLE LOAD GD ² REFERRED TO MOTOR SHAFT		
MAIN ☒ STEEL ☐ AL ☐ CAST			(AT DIRECT ON-LINE) 48.0 kg-m ²		
AUX. ☐ YES ☒ NO			Motor GD ² 0.3764 kg-m ²		
BOX LOCATION LEFT (Viewed from Drive end)			MOTOR APPROX. WEIGHT 140 kg		
APPLICATION STANDARDS KS.IEC			PAINTING	MUNSELL NO.	5PB 2.5/8
			THICKNESS	☒ STANDARD ☐ μm	

ACCESSORIES (OPTIONAL)			SUBMITTAL DRAWINGS		
TEMPERATURE DETECTOR			OUTLINE DIMENSION DW-KMH-20HU1		
WINDING	NO		SPEED-TORQUE CURVE ST-KMH-20HU1		
	TYPE -		TERMINAL BOX DIMENSION TB-KMH-20HU1		
	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	2016-07-25	H.S.LIM	K.I.HA	K.I.HA