



INDUCTION MOTOR DATA SHEET

40 HP - 2 P

MODEL: KMH-40HU3F		CUSTOMER :		REV. NO :	
APPLICATION:		PROJECT NAME:		QUANTITY : SETS	
GENERAL DATA			PERFORMANCE DATA		
FRAME NO.		FF350		OUTPUT 30 kW 40 HP	
ENCLOSURE	☐ DRIP PROOF		POLES		2 POLES
	☒ TOTALLY ENCLOSED		ROTOR TYPE		SQUIRREL CAGE
	☐ Increased Safety Exp.-proof		STARTING METHOD		☐ D.O.L ☒ Y- ☐ REACTOR (%TAP) ☐ V.V.V.F ☐ SOFT-STARTER
PROTECTION	IP 54		RATED VOLTAGE		380 V
METHODS OF COOLING	☐ SC ☒ FC ☐		FREQUENCY		60 Hz
PHASE	3 PHASE		CURRENT		
SERVICE FACTOR	1.15		NO LOAD		19.0 A
INSULATION CLASS	F CLASS		FULL LOAD		57.1 A
TEMP. RISE AT FULL LOAD (at S.F 1.0)		STARTING		502.8 A	
RES. METHOD		105			
THERMO. METHOD					
LOCATION	☒ INDOOR ☐ OUTDOOR		EFFICIENCY		
ALTITUDE	1000 m		AT 1/2 LOAD		%
HUMIDITY	80 %		AT 3/4 LOAD		%
AMBIENT TEMPERATURE	-10~40		AT FULL LOAD		91.7 %
RATING	☒ CONT. ☐ %ED		POWER FACTOR		
NEMA DESIGN	B		AT 1/2 LOAD		%
MOUNTING	☐ B3 ☒ B5 ☒ V1 ☐ B3B5		AT 3/4 LOAD		%
BEARING	TYPE	BALL	AT FULL LOAD		87.0 %
	DEIN-DE	6312ZZC3 / 6309ZZ	SPEED (AT FULL LOAD)		3540 rpm
	LUBRICANT	GREASE	TORQUE		
COUPLING METHOD	☒ DIRECT ☐ V-BELT		FULL LOAD		8.3 kg-m 100%
ROTATION(Facing Drive End)	☐ CW ☒ CCW		LOCKED ROTOR		15.7 kg-m 190%
SHAFT			BREAKDOWN		18.2 kg-m 220%
EXTENSION	SINGLE		NOISE LEVEL		91.0 dB(A)
EXTERNAL THRUST			VIBRATION		25.0 μ m
TERMINAL BOX			ALLOWABLE LOAD GD ² REFERRED TO MOTOR SHAFT		
MAIN	☐ STEEL ☐ AL ☒ CAST		(AT DIRECT ON-LINE)		16.3 kg-m ²
AUX.	☐ YES ☒ NO		Motor GD ²		0.5309 kg-m ²
BOX LOCATION	TOP (Viewed from Drive end)		MOTOR APPROX. WEIGHT		240 kg
APPLICATION STANDARDS	KS.IEC		PAINTING	MUNSELL NO.	5 PB 6/1.5
			THICKNESS	☒ STANDARD ☐	μ m
ACCESSORIES (OPTIONAL)			SUBMITTAL DRAWINGS		
TEMPERATURE DETECTOR			OUTLINE DIMENSION		
WINDING			S-T CURVE		
TYPE					
BEARING					
TYPE					
SPACE HEATER					
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. * HIGH EFFICIENCY MOTOR.		
2. OTHERS NOT MENTIONED IN THIS SHEET SHALL BE IN ACCORDANCE WITH OTIS-LG STANDARD.					
FC : FAN COOLED SC : SELF COOLED			DATE	PREPARED	CHECKED
			2008-05-16	K.I. HA	K.I. HA
					APPROVED
					H.T. KIM