

HIGEN		INDUCTION MOTOR DATA SHEET		22 kW 6 P 180L	
MODEL: KMH-30HK8		CUSTOMER :		COIL SPEC NO.:	
APPLICATION:		PROJECT NAME:		REV. NO : 0	
				QUANTITY : SETS	
GENERAL DATA			PERFORMANCE DATA		
FRAME NO.		180L		OUTPUT 22 kW	
ENCLOSURE		☐ DRIP PROOF		POLES 6 POLES	
		☒ TOTALLY ENCLOSED		ROTOR TYPE SQUIRREL CAGE	
		☐ Increased Safety Exp.-proof		☒ D.O.L ☐ Y-△	
PROTECTION		IP 55		STARTING METHOD	
METHODS OF COOLING		☐ AO ☒ FC ☐		☐ REACTOR (%TAP) ☐ V.V.V.F	
PHASE		3 PHASE		☐ VECTOR DRIVE	
SERVICE FACTOR		1.15		RATED VOLTAGE 220 V 380 V	
INSULATION CLASS		F CLASS		FREQUENCY 60 Hz	
TEMP.RISE AT FULL LOAD (at S.F 1.0)		CURRENT			
RES. METHOD 80 deg		NO LOAD		A A	
THERMO. METHOD deg		FULL LOAD		77.7 A 45.0 A	
		STARTING		466.4 A 270.0 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		91.7 %	
RATING ☒ CONT. ☐ %ED		POWER FACTOR			
NEMA DESIGN B		AT 1/2 LOAD		% %	
MOUNTING ☒ B3 ☐ B5 ☐ V1 ☐ B3B5		AT 3/4 LOAD		% %	
BEARING TYPE BALL / BALL		AT FULL LOAD		81.0 %	
DEIN-DE 6312ZZ / 6309ZZ		SPEED (AT FULL LOAD)		1170 rpm	
LUBRICANT GREASE		TORQUE			
COUPLING METHOD ☒ DIRECT ☐ V-BELT		FULL LOAD		18.3 kg-m 100%	
ROTATION(Facing Drive End) ☐ CW ☒ CCW		LOCKED ROTOR		25.6 kg-m 140%	
SHAFT		BREAKDOWN		33.0 kg-m 180%	
EXTENSION SINGLE		NOISE LEVEL		79.0 dB(A)	
EXTERNAL THRUST -		VIBRATION		30.0 μm	
TERMINAL BOX		ALLOWABLE LOAD GD ² REFERRED TO MOTOR SHAFT			
MAIN ☒ STEEL ☐ AL ☐ CAST		(AT DIRECT ON-LINE)		247.0 kg-m ²	
AUX. ☐ YES ☒ NO		Motor GD ²		1.1909 kg-m ²	
BOX LOCATION LEFT (Viewed from Drive end)		MOTOR APPROX. WEIGHT		210 kg	
APPLICATION STANDARDS KS.IEC		PAINTING		MUNSELL NO. 5PB 2.5/8.0	
		THICKNESS		☒ STANDARD ☐ μm	
ACCESSORIES (OPTIONAL)			SUBMITTAL DRAWINGS		
TEMPERATURE DETECTOR			OUTLINE DIMENSION DW-180LTFCHLS-1		
WINDING NO			SPEED-TORQUE CURVE ST-H22KK8T180L-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. HIGH EFFICIENCY MOTOR.		
TE : TOTALLY ENCLOSED DP : DRIP PROOF			DATE		
FC : FAN COOLED AO : AIR OVER			PREPARED		
			CHECKED		
			APPROVED		
			2016-07-27		
			H.S.LEE		
			K.I.HA		
			K.I.HA		