



INDUCTION MOTOR DATA SHEET

11 kW 6 P 160L

MODEL:		CUSTOMER :		COIL SPEC NO.:		REV. NO : 0	
APPLICATION:		PROJECT NAME:			QUANTITY : SETS		
GENERAL DATA				PERFORMANCE DATA			
FRAME NO.		160L		OUTPUT		11 kW	
ENCLOSURE		☐ DRIP PROOF		POLES		6 POLES	
		☒ TOTALLY ENCLOSED		ROTOR TYPE		SQUIRREL CAGE	
		☐ Increased Safety Exp.-proof		STARTING METHOD		☐ D.O.L ☒ Y-Δ	
PROTECTION		☐ REACTOR (%TAP) ☐ V.V.V.F					
METHODS OF COOLING		☐ VECTOR-DRIVE					
PHASE		3 PHASE		RATED VOLTAGE		440 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	
				FULL LOAD		19.7 A A	
				STARTING		127.9 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		91.7 %	
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		80.0 %	
		DEIN-DE 6309ZZC3 / 6307ZZC3		SPEED (AT FULL LOAD) 1170 rpm			
		LUBRICANT GREASE		TORQUE			
COUPLING METHOD		☒ DIRECT ☐ V-BELT		FULL LOAD		9.15 kg-m 100%	
ROTATION(Facing Drive End)		☐ CW ☒ CCW		LOCKED ROTOR		12.82 kg-m 140%	
SHAFT				BREAKDOWN		16.48 kg-m 180%	
EXTENSION		SINGLE		NOISE LEVEL		72.0 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)		117.0 kg-m ²	
AUX.		☐ YES ☒ NO		Motor GD ²		0.557 kg-m ²	
BOX LOCATION		LEFT (Viewed from Drive end)		MOTOR APPROX. WEIGHT		145 kg	
APPLICATION STANDARDS		KS.IEC		PAINTING		MUNSELL NO. 5PB 2.5/8	
				THICKNESS		☒ STANDARD ☐ μm	
ACCESSORIES (OPTIONAL)				SUBMITTAL DRAWINGS			
TEMPERATURE DETECTOR				OUTLINE DIMENSION		DW-160LTFCHLS-1	
WINDING		NO		SPEED-TORQUE CURVE		ST-P11KV8T-1	
		TYPE -		TERMINAL BOX DIMENSION		TB-MS180NZ-1	
		BEARING					
TYPE		NO					
		-					
SPACE HEATER		NO					
RATING		-					
NOTE				REMARKS			
1. THESE DATA ARE ONLY DESIGN VALUES AND SHALL BE				1. ABOVE ALL DATA ARE CALCULATED AT 100% VOLTAGE.			
GUARANTEED WITH TOLERANCE OF APPLICATION STANDARDS.				2.PREMIUM EFFICIENCY MOTOR.			
2. OTHERS NOT MENTIONED IN THIS SHEET SHALL BE							
IN ACCORDANCE WITH HIGEN MOTOR STANDARD.							
TE : TOTALLY ENCLOSED		DP : DRIP PROOF		DATE		PREPARED	
FC : FAN COOLED		SC : SELF COOLED		2016-04-08		H.S.LIM	
				CHECKED		APPROVED	
				K.I.HA		K.I.HA	