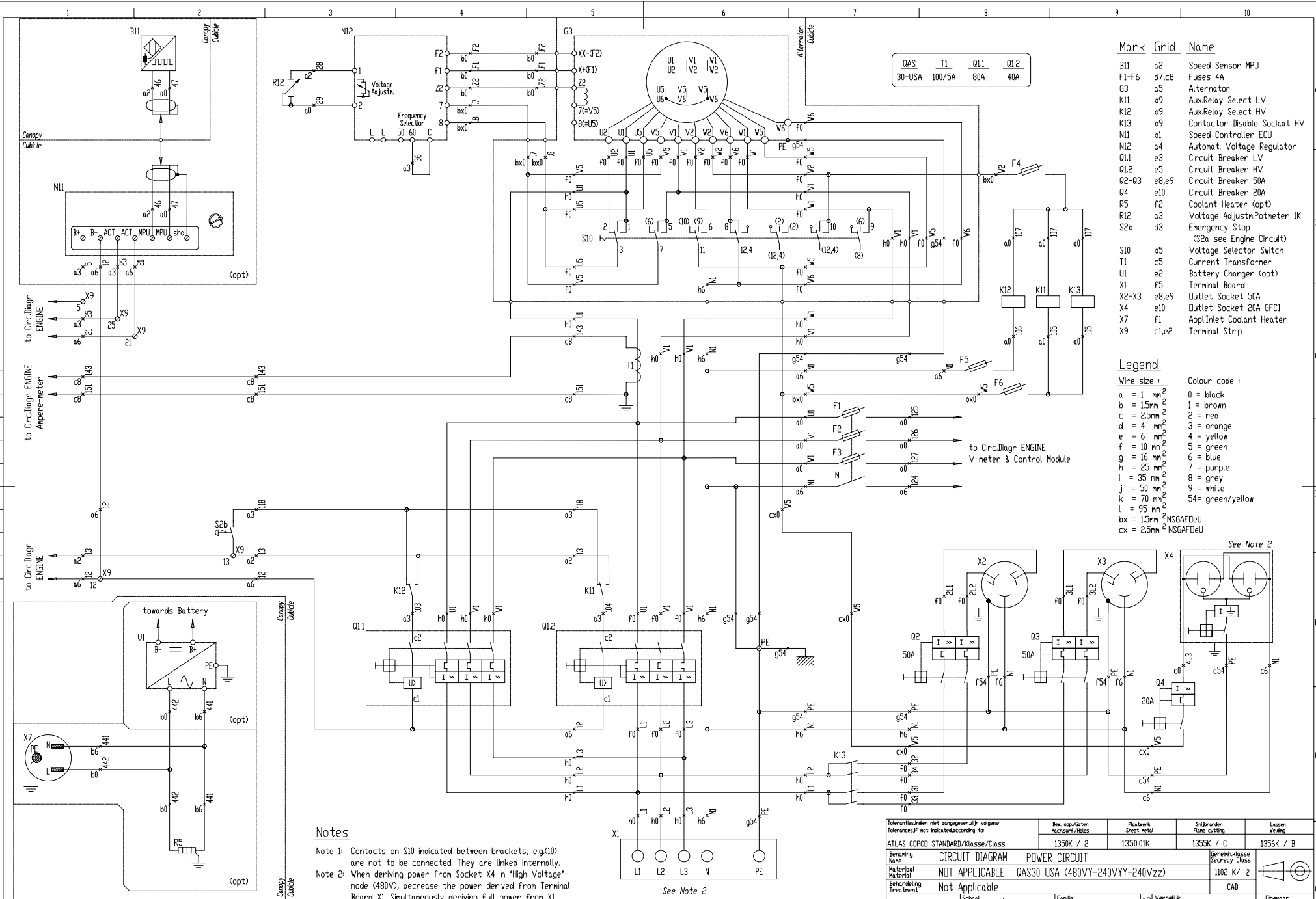




GAS	T1	Q1.1	Q1.2
30-USA	100/5A	80A	40A

Mark	Grid	Name
B11	a2	Speed Sensor MPU
F1-F6	d7,c8	Fuses 4A
G3	a5	Alternator
K11	b9	Aux.Relay Select LV
K12	b9	Aux.Relay Select HV
K13	b9	Contactor Disable Socket HV
N11	b1	Speed Controller ECU
N12	a4	Automat. Voltage Regulator
Q1.1	e5	Circuit Breaker LV
Q1.2	e5	Circuit Breaker HV
Q2-Q3	e8,e9	Circuit Breaker 50A
Q4	e10	Circuit Breaker 20A
R5	f2	Coolant Heater (opt)
R12	a3	Voltage Adjust.Potmeter 1K
S2b	a3	Emergency Stop (S2a see Engine Circuit)
S10	b5	Voltage Selector Switch
T1	c5	Current Transformer
U1	e2	Battery Charger (opt)
X1	f5	Terminal Board
X2-X3	e8,e9	Outlet Socket 50A
X4	e10	Outlet Socket 20A GFCI
X7	f1	Appl.Inlet Coolant Heater
X9	c1,e2	Terminal Strip

Wire size :	Colour code :
a = 1 mm ²	0 = black
b = 1.5mm ²	1 = brown
c = 2.5mm ²	2 = red
d = 4 mm ²	3 = orange
e = 6 mm ²	4 = yellow
f = 10 mm ²	5 = green
g = 16 mm ²	6 = blue
h = 25 mm ²	7 = purple
i = 35 mm ²	8 = grey
j = 50 mm ²	9 = white
k = 70 mm ²	54= green/yellow
l = 95 mm ²	
bx = 1.5mm ²	NSGAFDeU
cx = 2.5mm ²	NSGAFDeU

Notes
 Note 1: Contacts on S10 indicated between brackets, e.g.(10) are not to be connected. They are linked internally.
 Note 2: When deriving power from Socket X4 in 'High Voltage'-mode (480V), decrease the power derived from Terminal Board X1. Simultaneously deriving full power from X1 and X4 will overload and could damage the alternator.

01	Ed.00 was Functional Prototype (X-number)	2006-01-24	
Ed.	Posi-	Gez./gepl. van	Inten./Goeds
		Modified From	Inten./App.

Bijbehorende tekeningen en documenten Appurtenant drawings and documents		School Scale 1:1 Getekend Drawn by AIR3234 Std gez./chd. Rev. gez. Blank wt. 0 kg Afg. gez. Fin. wt. 0 kg Identificatie/Designation 8922 0992 17 Blad/Sheet (01) 01	
Des gez./chd. Prod gez./chd. Goeds/Appd. Datum/Date 2005-10-25		Eigenaar Drawing owner AIP	

Toleranties/indien niet aangegeven, zie volgens Tolerances/If not indicated, according to		Bev. opp./Gaten Machsurf./Holes	Plaatwerk Sheet metal	Slijpbronnen Flame cutting	Lassen Welding
ATLAS COPCO STANDARD/Klasse/Class		1350K / 2	135001K	1355K / C	1356K / B
Benaming Name		CIRCUIT DIAGRAM POWER CIRCUIT			
Materiaal Material		NOT APPLICABLE			
Behandeling Treatment		Not Applicable			
Geheimdeklasse Secrecy Class		1102 K / 2			
Vernaght Replicas		A2			
Des gez./chd.		Prod gez./chd.			
Goeds/Appd.		Datum/Date			