

3400 PCA

Illustrated Parts List

130/2

Revision: April 2021



Contact Information

<https://itwgse.com/service-and-support/>

Europe, Middle East & Asia Pacific

ITW GSE ApS. Denmark
Tel: (+45) 63 18 60 00
Mail: support@itwgse.com

Americas

ITW GSE Inc. USA
Tel: (+1) 941 721 1000
Mail: support@itwgse.us

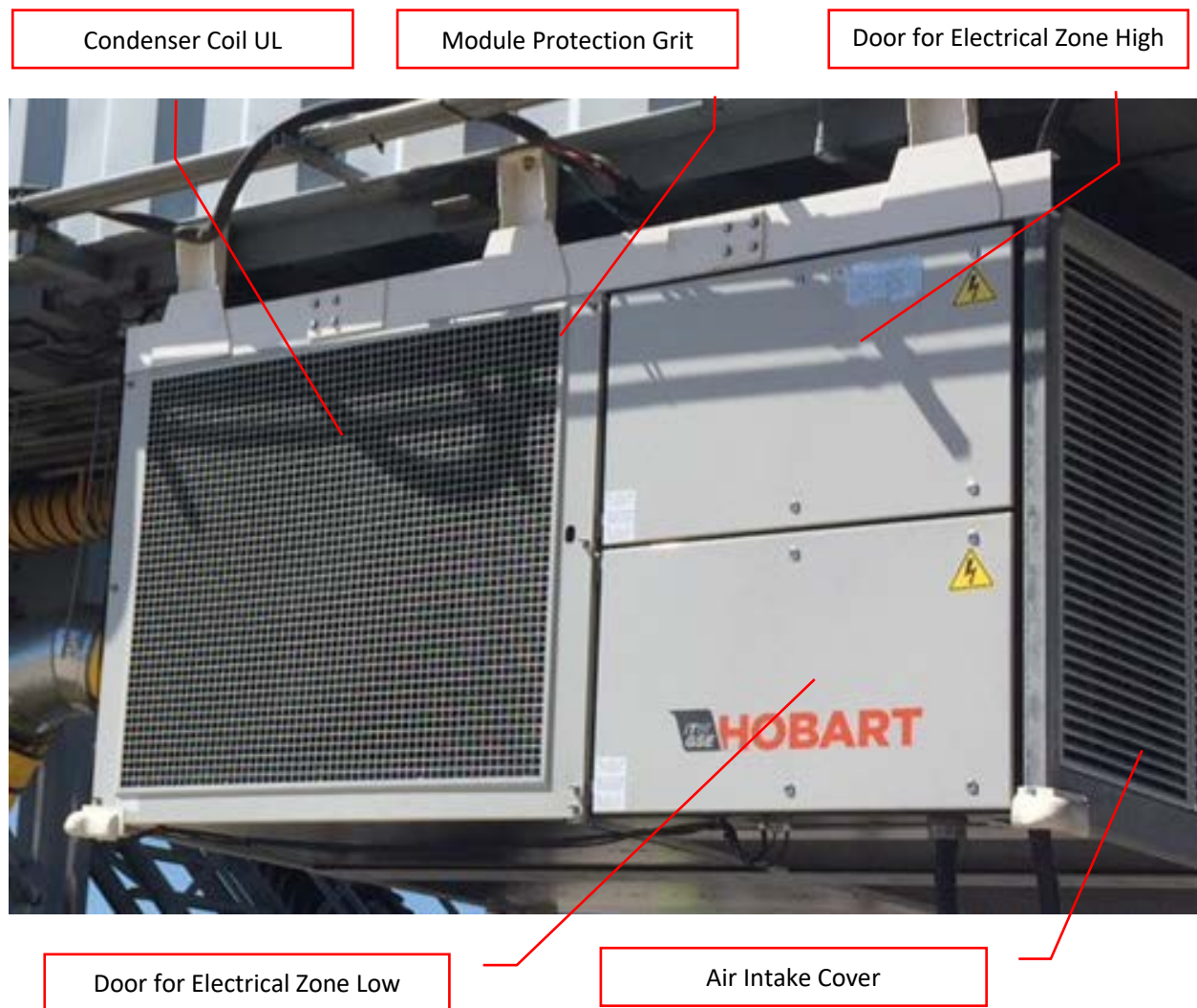


Figure 1: PCA 130

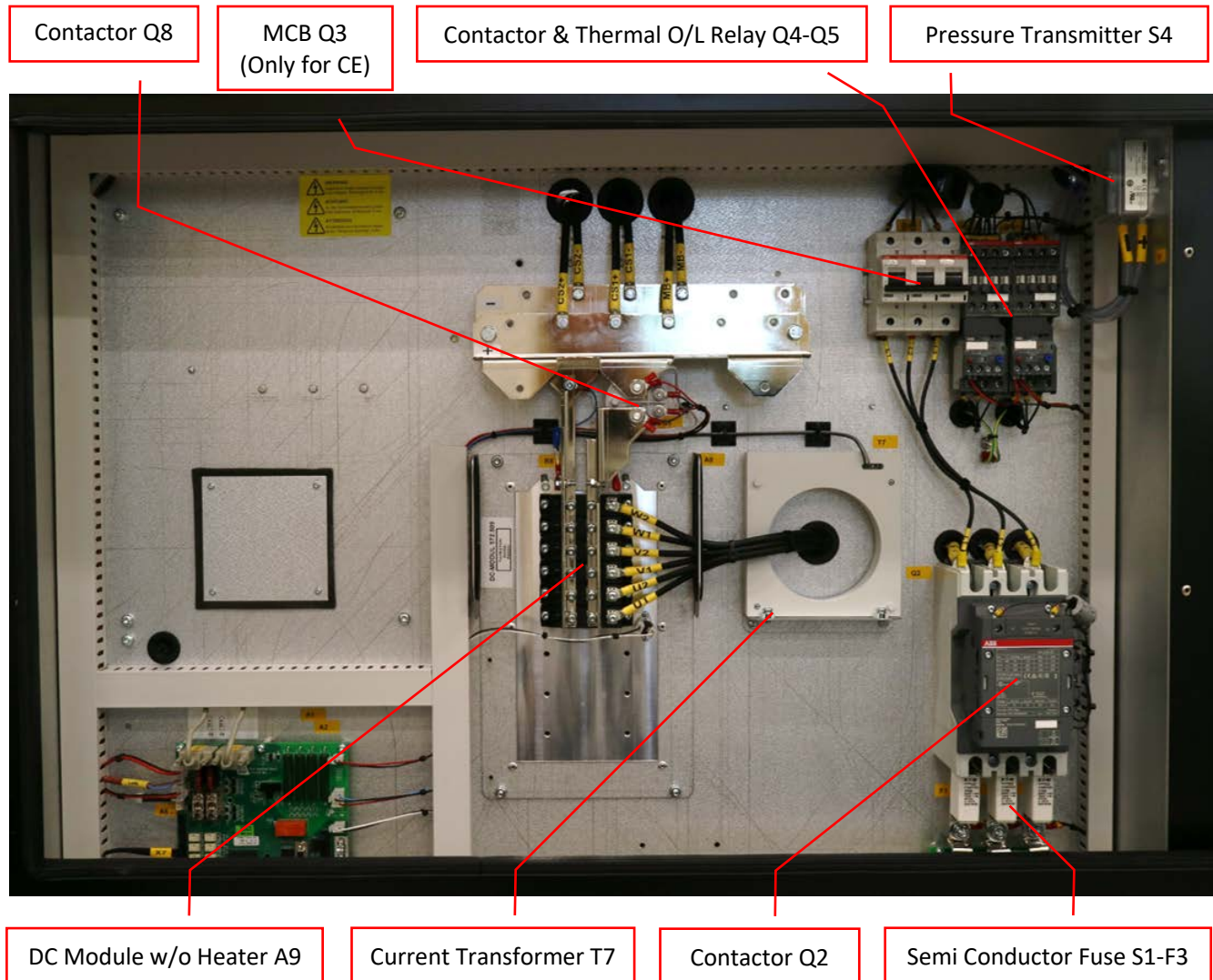


Figure 2: Electronic zone High 1 of 2

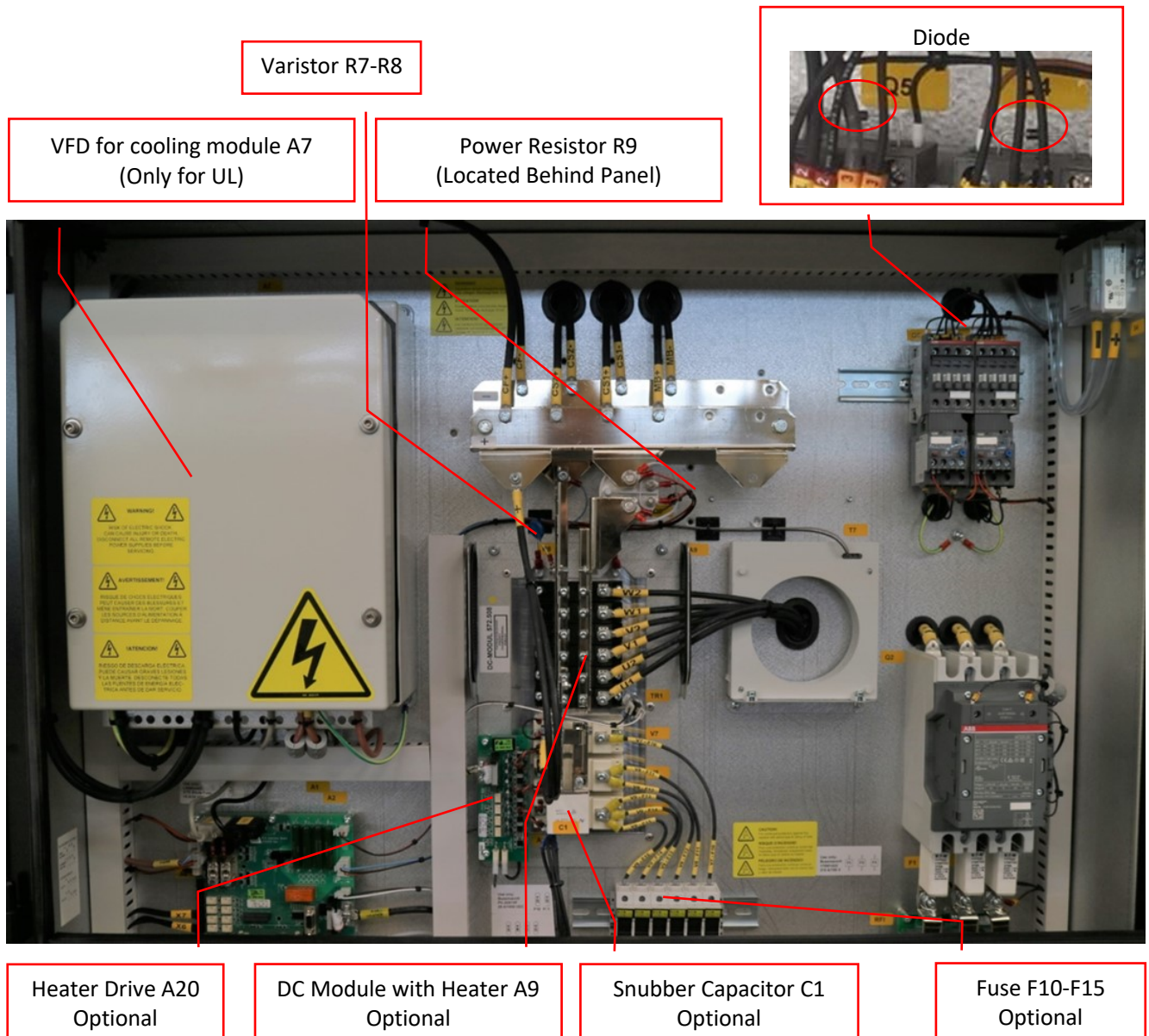


Figure 3: Electronic zone High 2 of 2

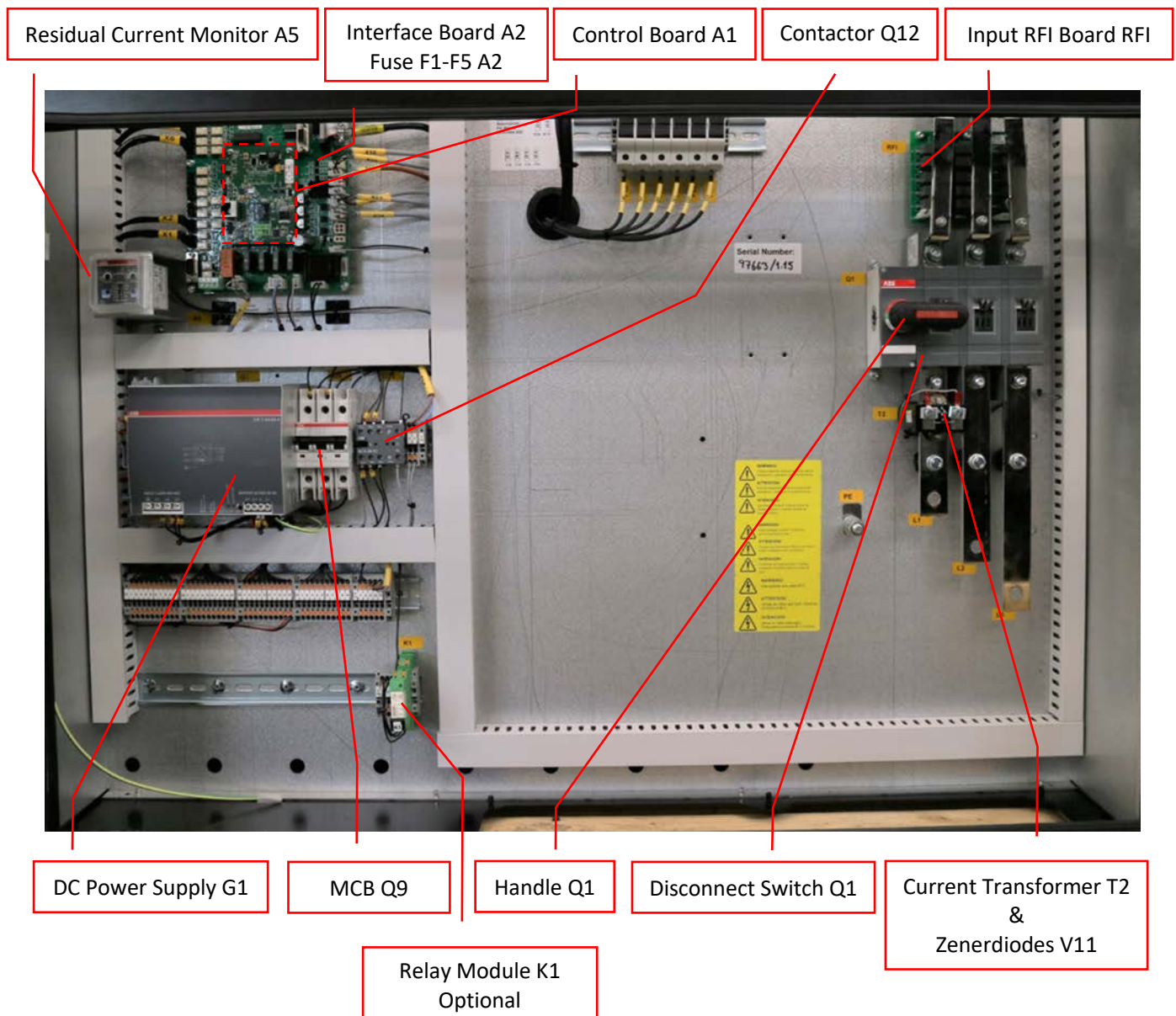


Figure 4: Electronic zone Low

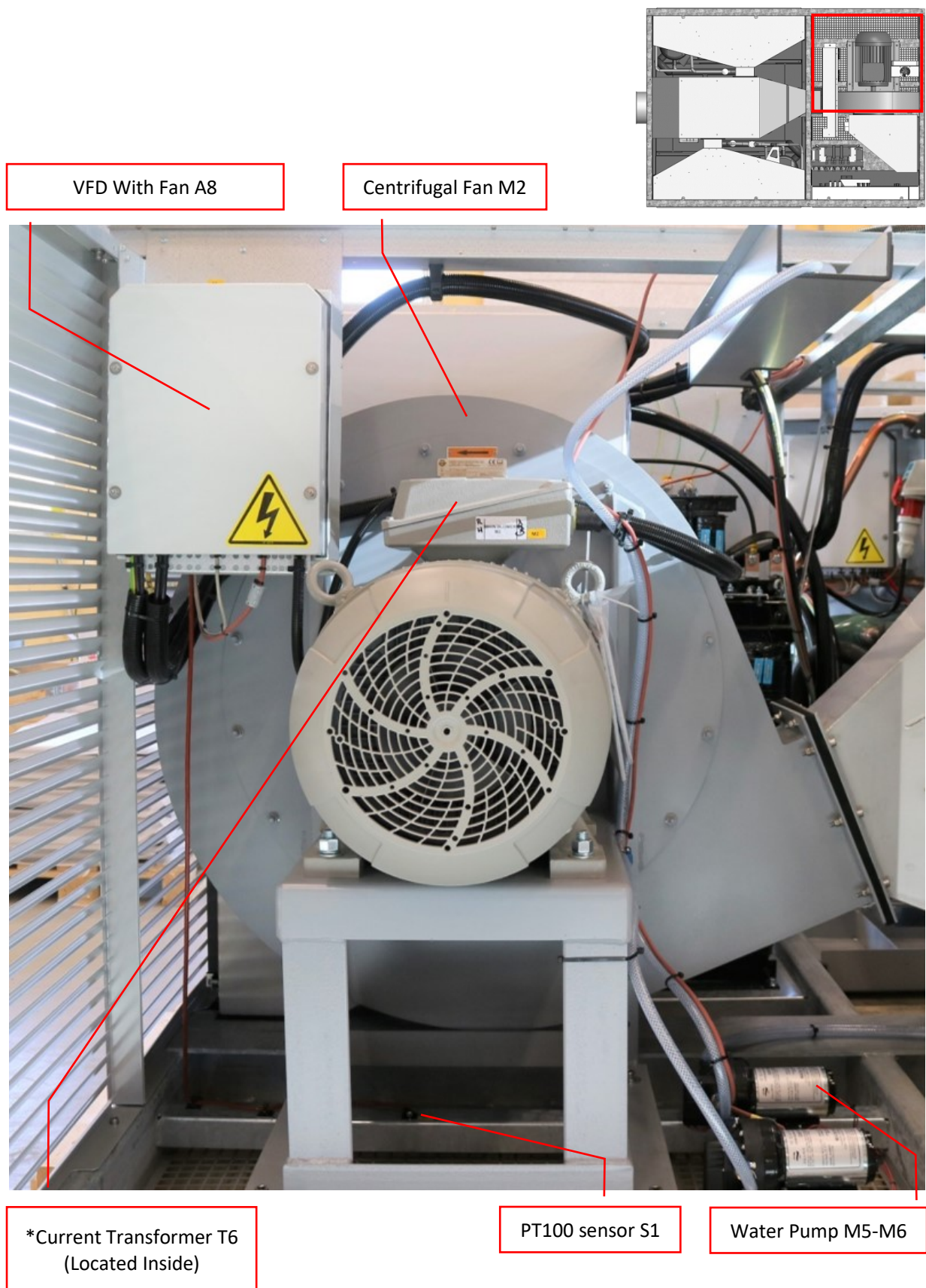


Figure 5: Main Blower zone

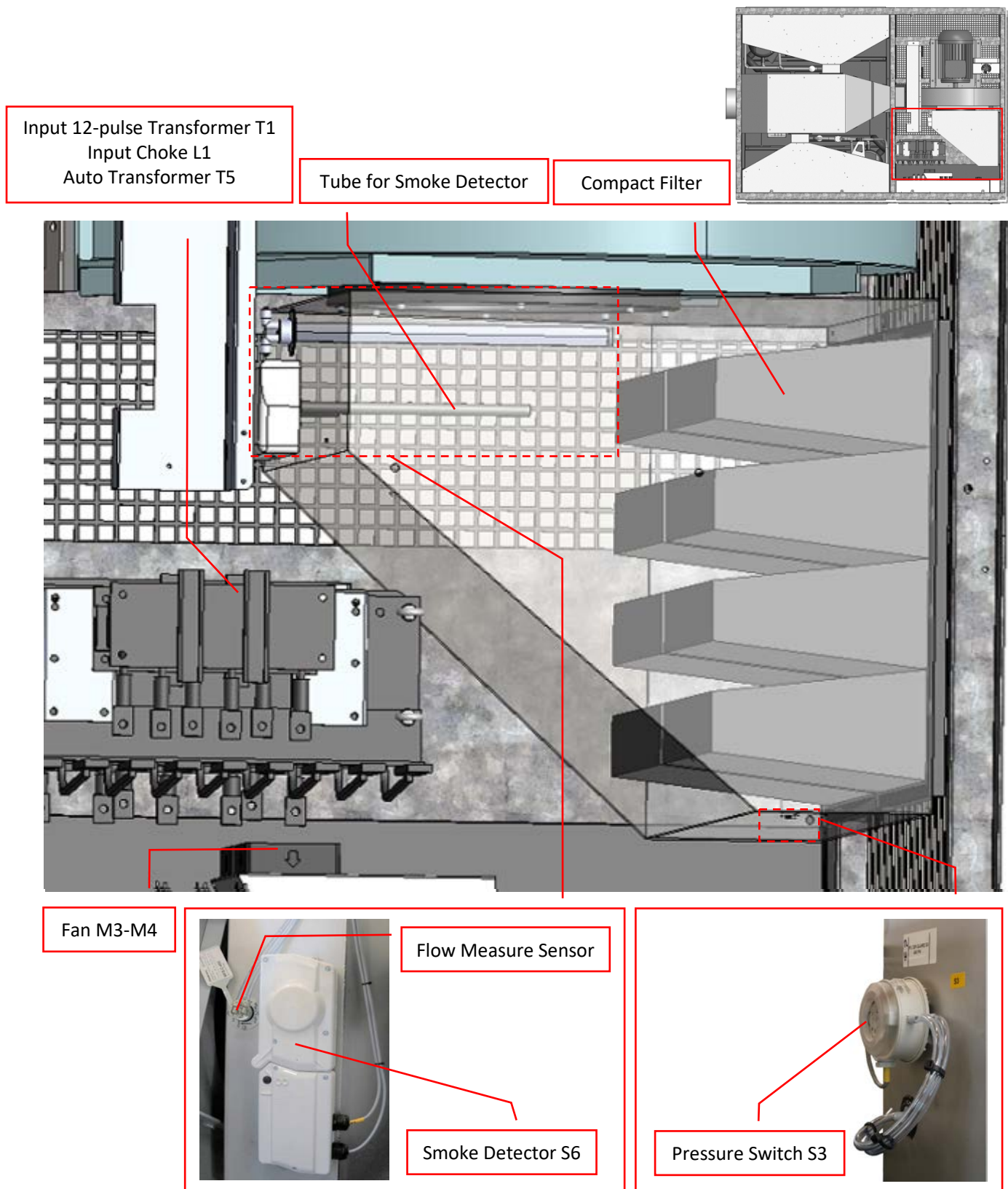
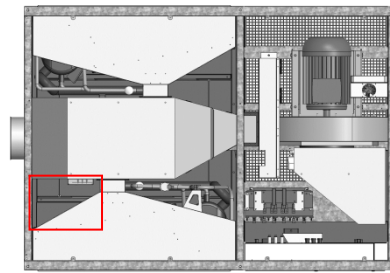
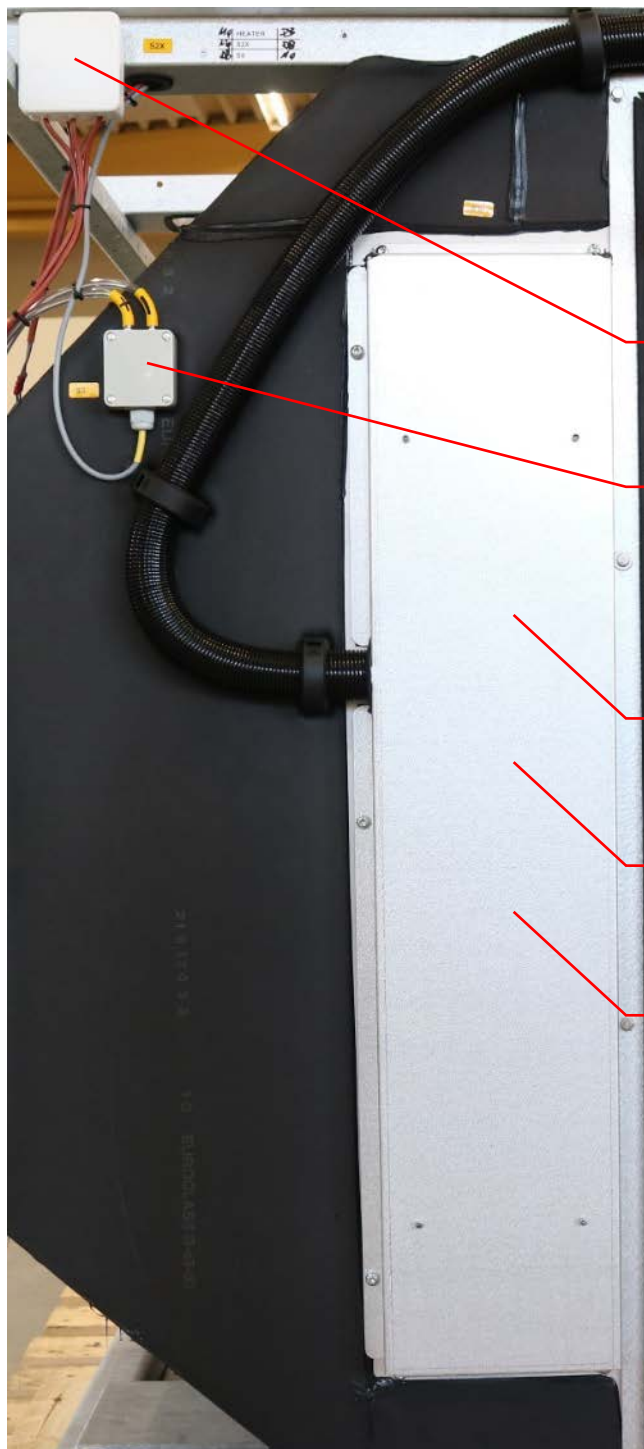


Figure 6: Air Inlet & Internal Electrical zone



PT100 sensor S2a-d (S2x)

Pressure Transmitter S5

Heating Unit A10
(Located Behind Panel)

PT100 sensor S10
(Located Inside Duct)

Thermostat TR3
(Located Inside Duct)

Figure 7: Air Outlet and Heater zone

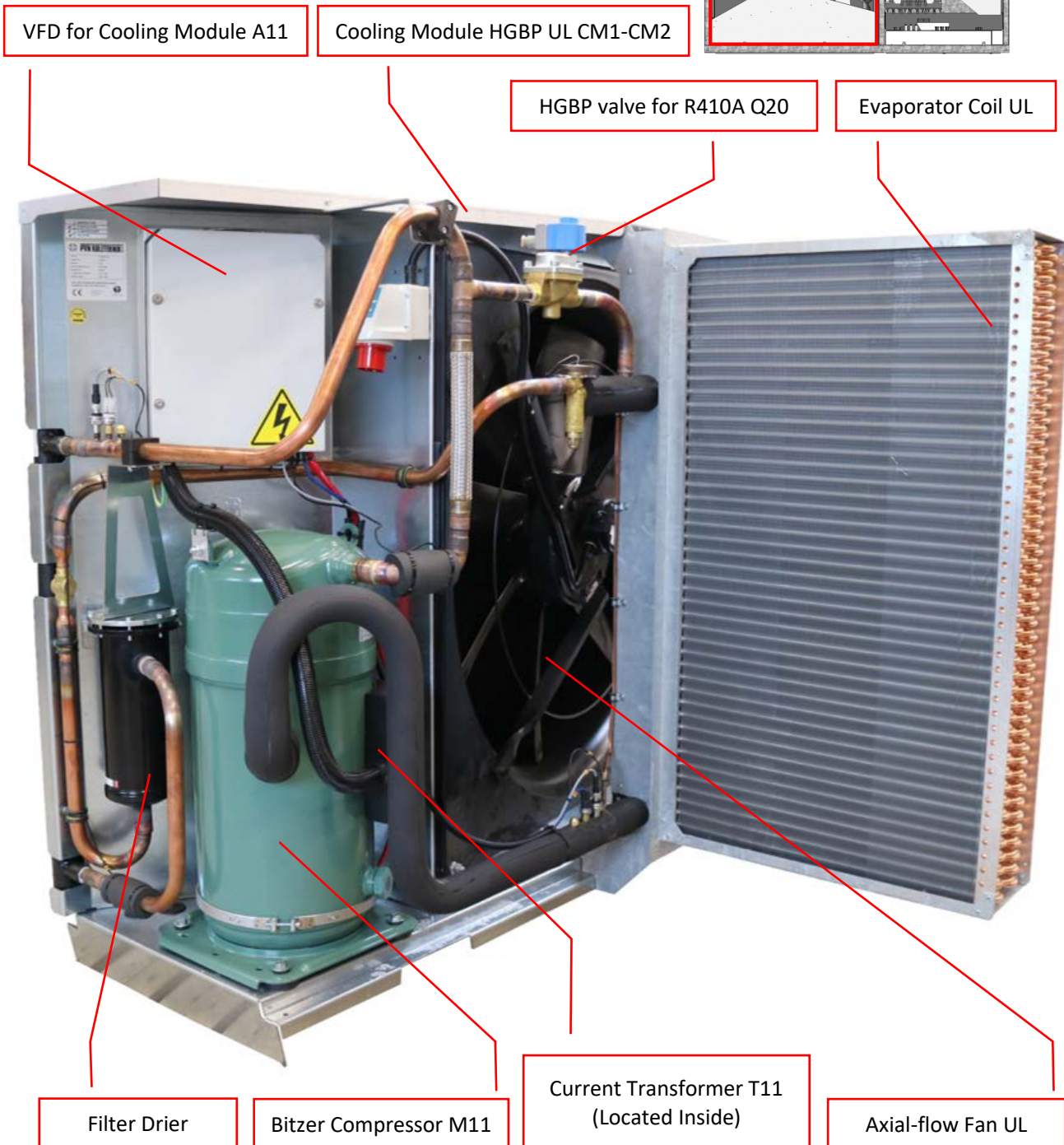
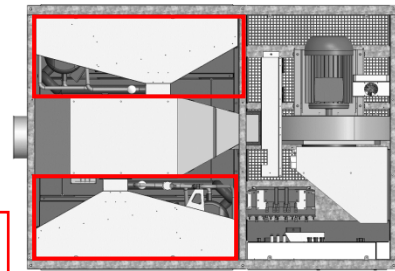


Figure 8: Cooling Module 1 of 2

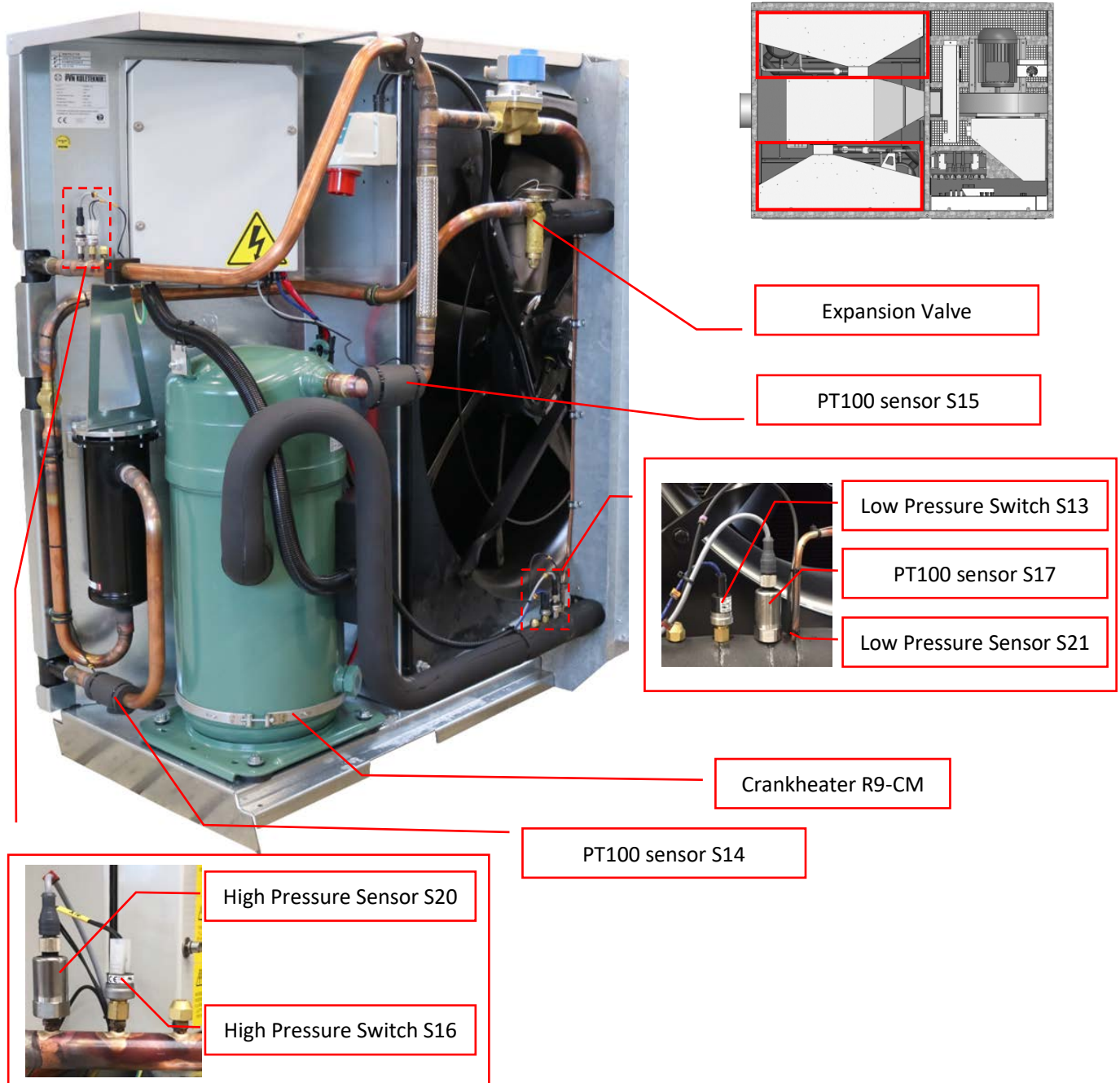


Figure 9: Cooling Module 2 of 2

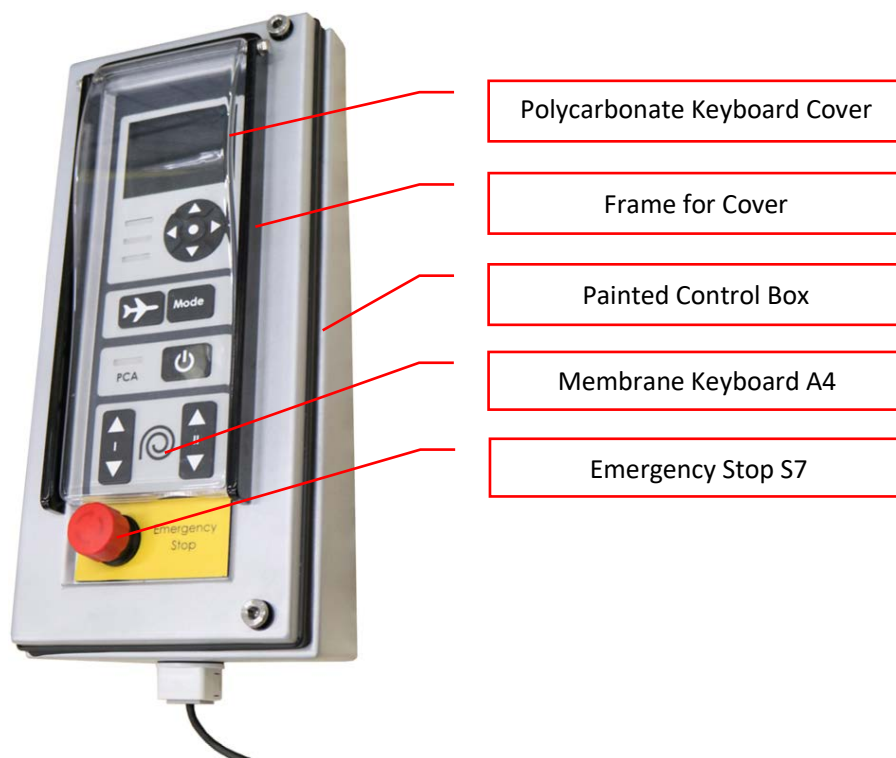


Figure 10: Remote Control Box Front

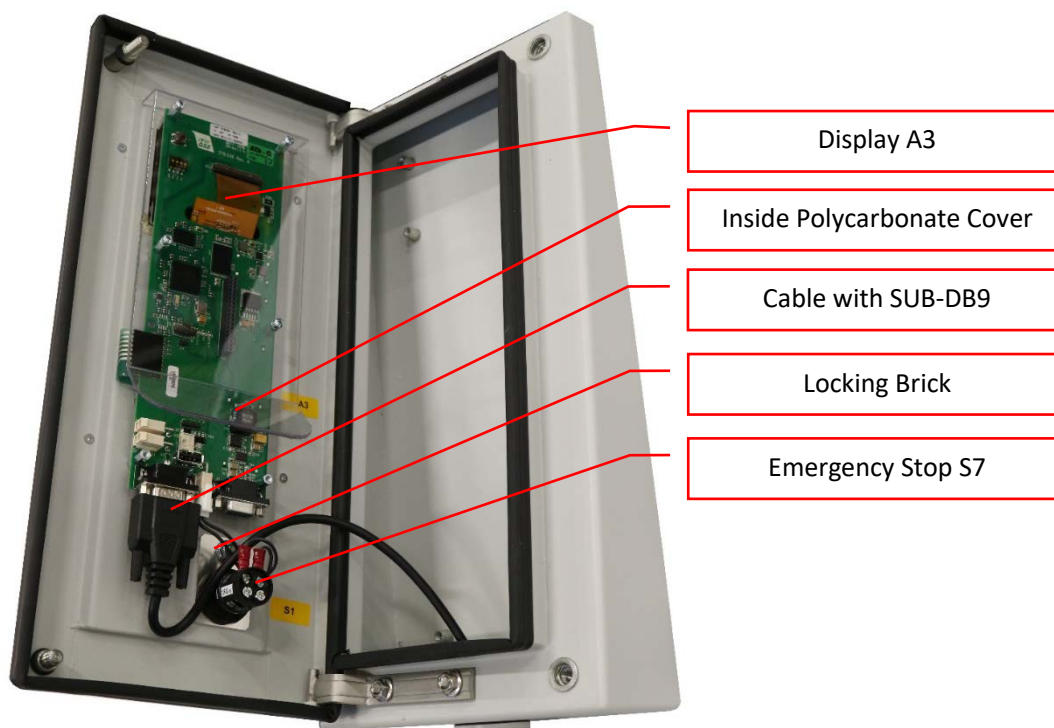


Figure 11: Remote Control Box Internal

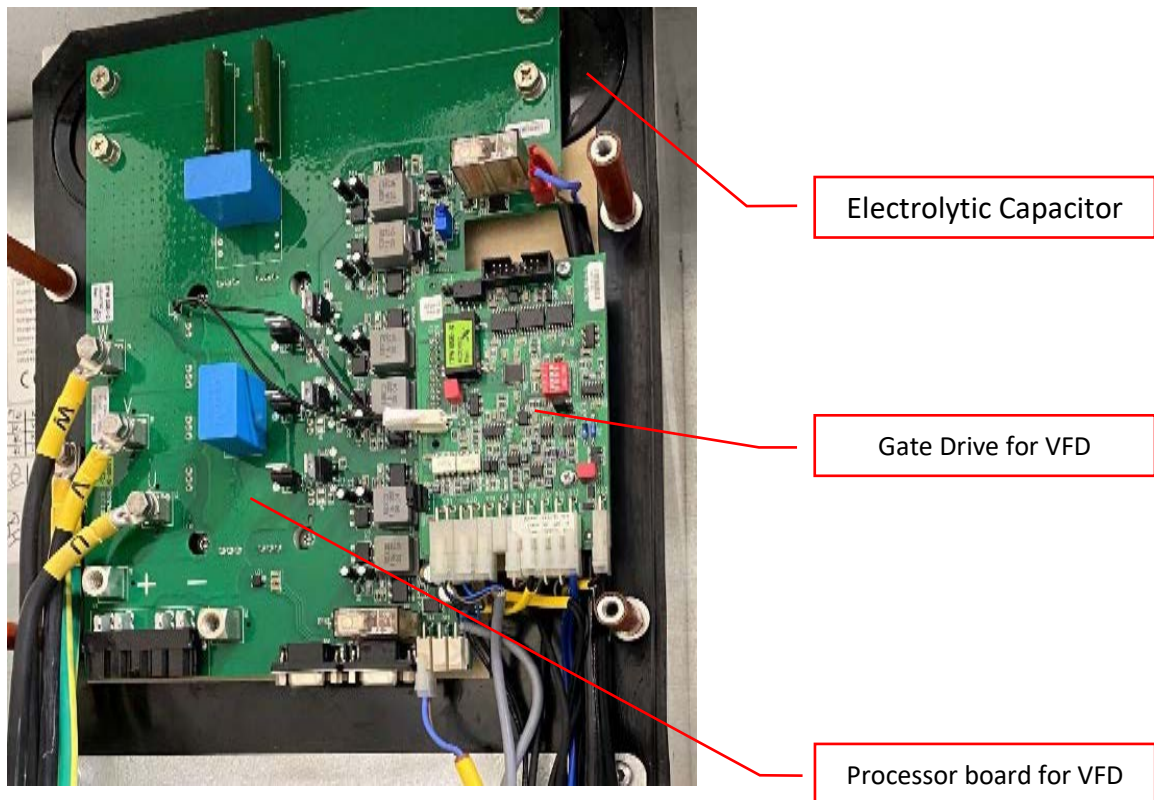


Figure 12: VFD Inside

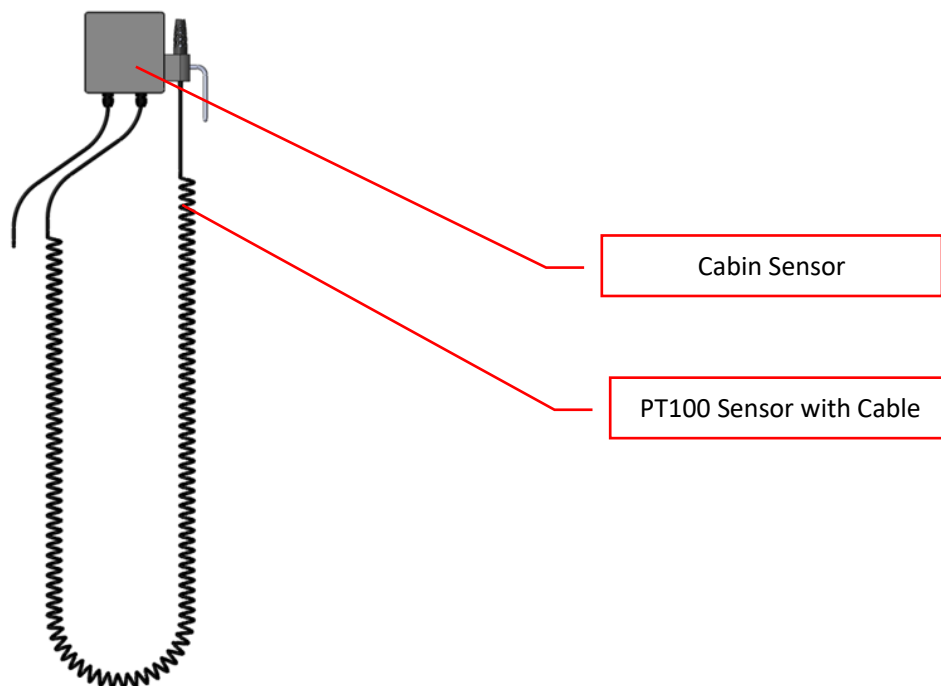


Figure 13: Cabin Sensor Optional

Comp. No.	Part No.	Description	Data
A1	579526	GSE Control Board	
A2	579555	Interfaceboard	
A3	579536	Display board	
A4	DV3026	Operator membrane keyboard	PCA Dual Hose
A5	RE2000	Residual Current Monitor	0.03-30 A, 50-60 Hz
A7	572315	VFD for cooling module	100 A
A8	572317	VFD with fan	100 A
A9	572509	DC Module w/o Heater Control	PCA130
A9	572508	DC Module with Heater Control	PCA130
A10	NA	Heating Unit	
A11	572315	VFD for cooling module	100 A
A20	579546	Heater Drive	
C1	KP0490	Snubber Capacitor	1µF 1000VDC 10%
CM1-CM2	572507	Cooling Module HGBP UL	R410A og HGBP
F1-F3	SI4929	Semi conductor fuse	315A, 690V
F10-F15	SI1220	Fuse	20A, 1000VDC (10x38)
F1-F4 A2	SI2076	ATO fuse	2A
F5-F6 A2	SI2066	ATO fuse	10A
G1	PS0011	DC Power Supply	24VDC@20A
K1	RE4424	Relay Module	250 V AC/DC, NC/NO
L1	DR0021	Input Choke	200 µH, 120 A
M11	AM4009	Bitzer GSD80295 compressor	380V/3ph/60Hz
M2	VN0310	Centrifugal Fan	M8x50mm inlet studs
M3-M4	VN0018	Fan	24 VDC (16-30 VDC)
M5-M6	AE2030	Water pump	24 VDC
Q1	AF0268	Disconnect Switch	3 pol. / 200 A
Q1	AF0278	Handle for direct mounting	Operating angle 90°
Q2	KO4382	Contactactor	24 VDC Coil (code11)
Q3	DP1231	MCB	63 A, 690 Vac, 3-pol
Q4-Q5	KO4378	Contactactor	24 Vdc Coil Voltage
Q4-Q5	KO4379	Thermal O/L Relay	10-14 A adjust.
Q8	KO4376	Contactactor	Coil: 24 VDC
Q9	DP1234	MCB	10 A, 480 Vac, 3-pol
Q12	KO4006	Contactactor	24 VDC Coil
Q20	AM4044	HGBP valve for R410A	45 bar CU - UL
R7-R8	VR7510	Varistor	S20K510
R9	AM4011	Crankheater	24VDC 140W ø305x20
R9	MO0595	Power Resistor	22 Ohm, cURus
RFI	579504	Input RFI board	300V (Phase-Neutral)
S1	AE2004	PT100 sensor, fast	2,5m kabel
S3	AE2009	Pressure Switch	100-1000 Pa

S4	AE2024	Pressure Transmitter	0-500 Pa, 0-1000 Pa
S5	AE2013	Pressure Transmitter	0-12000 Pa / 0-10 V
S6	AE2020	Smoke Detector	-
S7	AF0403	Emergency stop, compact	
S10	AE2004	PT100 sensor, fast	2,5m kabel
S13	AM4024	Low Pressure Switch	O: 35 Cl.: 60 psig
S14-S15	AE2000	PT100 sensor	5 m cable
S16	AM4025	High Pressure Switch	O: 665 Cl.: 565 psig
S17	AE2000	PT100 sensor	5 m cable
S20	AM4028	High Pressure Sensor	0-60 bar
S21	AM4027	Low Pressure Sensor	0-16 bar
S2X	AE2004	PT100 sensor, fast	2,5m kabel
T1	IT0806	Input 12-pulse Transformer	Input 3x550, 120 A
T2	IT0401	Current Transformer	400/0.2A 3,5VA Cl.1
T5	IT0805	Auto Transformer	3x400-480/550V, 120A
*T6	IT7005	Current Transformer (CE)	(1):1000 - 100 Arms
*T6	IT7006	Current Transformer (UL)	V3 1000/1A(100/0.1A)
T7	IT0300	Current Transformer	ø110 mm, 100mA-1250A
T11	IT7006	Current Transformer	V3 1000/1A(100/0.1A)
TR3	TR7014	Thermostat	NC, 100.000 cycles
V11	DI0068	Zenerdiode	TVS, 12V, 600W
VFD	579513	Gate Drive for VFD	A7 – A8 – A11
VFD	579522	Processorboard for VFD	A7 – A8 – A11
VFD	EL3414	Electrolytic Capacitor	A7 – A8 – A11
Figure 1	272452	Condenser Coil UL	HWD: 1295x1617x38
Figure 1	272419	Door for electrical zone High	
Figure 1	272420	Door for electrical zone Low	
Figure 1	272427	Module protection grit	
Figure 1	272407	Air intake cover	
Figure 3	DI2600	Diode	1A 1000V
Figure 6	AE2014	Flow Measure Sensor	Length 400 mm
Figure 6	AE2021	Tube for Smoke Detector	Up to 1 ft.
Figure 6	AM5012	Compact Filter - Standard	M6 / ePM10/ MERV 11
Figure 6	EMEA AM5013	Compact Filter – Optional	F8 / ePM1 / MERV 14
Figure 6	Americas FA11838	Compact Filter – Optional	F8 / ePM1 / MERV 14
Figure 8	AM4036	Filter Drier, Core	48-DM
Figure 8	VN0308	Axial-flow fan UL	3 x 230/400 V, 50 Hz
Figure 8	272451	Evaporator Coil UL	HWD: 1143x193x764
Figure 9	AM4026	Expansion Valve	R410A
Figure 10	543172	Painted Control Box	RAL 7035
Figure 10	278164	Polycarbonate Keyboard Cover	2,2mm godstykke



It's all about
connections

Figure 10	278165	Frame for Cover	RAL 9005 Black
Figure 11	KB4103	Serial Cable	30m, DB9-M/F, Øy=5mm
Figure 11	278116	Inside Polycarbonate Cover	Polycarbonat plade
Figure 11	278124	Lock brick for emergency stop	1,5mm AluZink
Figure 13	272904		
Figure 13	572810	Lock brick for emergency stop	1,5mm AluZink

*Note: This part numbers differ for UL and CE configuration, check manual or contact ITW GSE support