OPERATION & SERVICE MANUAL

Cabin Pressurization Unit

Models: **15A7610-6000** **15B7610-6000**
15C7610-6000 **15D7610-6000** **15E7610-6000**
15F7610-6000 **15G7610-6000**

CE

12/2024 – Rev. 06

For Spare Parts, Operations & Service Manuals or Service Needs
Scan the QR code or visit Tronair.com/aftermarket

Tronair, Inc.
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Swanton, OH 43558

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REVISION	DATE	TEXT AFFECTED
01	11/2019	Original release
02	04/2020	Modified Parts List
03	04/2021	Modified Parts List
04	10/2021	Modified 5.1.2 Fuel Load Amperage and Parts List
05	11/2022	Modified Parts List
06	10/2024	Modified 12.0 Calibration of Instrumentation
07	12/2024	Modified 11.5 Replacement Labels Parts List and Parts Lists

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This product can not be modified without the written approval of Tronair, Inc. Any modifications done without written approval voids all warranties and releases Tronair, Inc., its suppliers, distributors, employees, or financial institutions from any liability from consequences that may occur. Only Tronair OEM replacement parts shall be used.

Photos in manual may not reflect actual unit.

1.0 PRODUCT INFORMATION

1.1 DESCRIPTION

Cabin Pressurization Unit (CPU)

1.2 MODEL & SERIAL NUMBER

Reference nameplate or software on unit

1.3 MANUFACTURER

***TRONAIR*, Inc.**
1 Air Cargo Pkwy East
Swanton, Ohio 43558 USA

Telephone: (419) 866-6301 or 800-426-6301
Fax: (419) 867-0634
E-mail: sales@tronair.com
Website: www.tronair.com

1.4 FUNCTION

This Cabin Pressurization Unit is designed to provide a controllable air supply for the pressurization of aircraft cabin and cockpit areas for the purpose of cabin leakage testing, and/or outflow valve tests.

Adapter kits (sold separately) must be used to connect the Supply Hose from the CPU to the aircraft

This Cabin Pressurization Unit is to be operated only by qualified trained technicians. This Operation and Service Section is to be used only by qualified trained technicians.

1.5 SPECIFICATIONS

- 350 SCFM (26.3 lbs./min.) flow capability
- 0-13.5 psig at aircraft pressure capability
- 40 hp (30kW) electric motor
- Murphy Digital Controller/Display
- Electronic potentiometer controlled flow
- 50 ft (15.2m) input power cable
- 25ft (7.6 m) 2 inch supply hose with coupler
- 30ft (9.1 m) cabin sense line
- 30 ft (9.1 m) door seal line
- 35-350 SCFM/lbs/min, 2.0% accuracy flow reading
- 15 psi, 1.25% accuracy pressure reading
- 0.12% accuracy air output temperature reading
- Quiet 77.6 dBA t 3ft (1.0m) from operator panel
- Maximum cabin pressure and rate of climb settable warnings (passive)
- Three color indicating stack light (running, warning, fault)
- Heat exchanger for controlled air delivery temperature (100-120 F, 38-49 C)
- Four locking swivel casters and handles for easy maneuvering
- Air inlet filter (replaceable element)
- Hose and electric cable storage hangers

1.6 REGULATED SHOP AIR

The CPU is equipped with a regulator and pressure gauge for the purpose of supplying regulated air to the aircraft door/canopy seals.

These items are located in the Regulated Shop Air area on the instrument panel.

2.0 SAFETY INFORMATION

2.1 USAGE AND SAFETY INFORMATION

To insure safe operations please read the following statements and understand their meaning. Also refer to your equipment manufacturer's manual for other important safety information. This manual contains safety precautions which are explained below. Please read carefully.

WARNING!
Warning is used to indicate the presence of a hazard that can cause ***severe personal injury, death, and/or substantial property damage*** if the Warning Notice is ignored.

CAUTION!
Caution is used to indicate the presence of a hazard, which will or can cause ***minor personal injury or property damage*** is the Caution Notice is ignored.

2.2 EXPLANATION OF WARNING & DANGER SIGNS

Accidental Starts! Before servicing the CPU or equipment, always disconnect electrical power supply to prevent accidental starting.

Rotating Parts! Keep hands, feet, hair, and clothing away from all moving parts to prevent injury. Never operate the CPU with covers, shrouds, or guards removed.

Electrical Shock! Never touch electrical wires or components while the CPU is attached to the power source. They can be sources of electrical shock. DO NOT operate CPU with cabinet panels removed.

Pressurized Fluid! Before servicing the CPU or equipment, always open the flow control to relieve any residual pressure in the system.

2.3 COMPONENT SAFETY FEATURES

- Overload and short circuit protection
- Pressure relief valve for blower protection set at 15.0 psig (1.03 bar)
- Emergency Stop button located on control panel
- Separate Start and Stop buttons
- Caster brakes and swivel locks on all four corners
- Software adjustable maximum pressure and rate of climb warnings (passive)

2.4 FUNCTIONAL SAFETY FEATURES

The pressure relief valve has been sized to bypass the full output of the blower. This feature provides operator and Cabin Pressurization Unit protection in the case where an operator may inadvertently start the machine with Airflow Control Valve fully open.

2.5 PERSONAL PROTECTIVE EQUIPMENT

- Safety glasses must be worn when operating the CPU, Ear protection if operating in an enclosed space.
- Additional equipment recommended by the airframe manufacturer (gloves, etc.).

2.6 SAFETY GUIDELINES

Any uses other than those identified in this manual are prohibited.

2.7 GENERAL COMMENTS

This Cabin Pressurization Unit is designed to provide a controllable air supply for the pressurization of aircraft cabin and cockpit areas for the purpose of cabin leakage testing, and/or outflow valve tests.

3.0 PREPARATION PRIOR TO FIRST USE

3.1 GENERAL

Reference the nameplate for the required electrical power, **must** match the supplied electrical power

MODEL NUMBER	VOLTAGE/FREQUENCY	FULL LOAD AMPS
15A7610-6000	208VAC/60HZ	104A
15B7610-6000	230VAC/60HZ	96A
15C7610-6000	380VAC/60HZ	54.5A
15D7610-6000	460VAC/60HZ	48A
15E7610-6000	575VAC/60HZ	42.5A
15F7610-6000	380/145/440VAC/50HZ	54.5A
15G7610-6000	200/220VAC/50HZ	96A

3.2 SERVICING

Any servicing must be done by a qualified GSE technician familiar with electrical and mechanical safety procedures.

4.0 TRAINING

4.1 TRAINING REQUIREMENTS

The employer of the operator is responsible for providing a training program sufficient for the safe operation of the unit.

4.2 TRAINING PROGRAM

The employer provided operator training program should cover safety procedures concerning use of the unit in and around the intended aircraft at the intended aircraft servicing location.

4.3 OPERATOR TRAINING

The operator training should provide the required training for safe operation of the unit.

NOTE: Maintenance and Trouble Shooting are to be performed by a skilled and trained technician.

5.0 INSTALLATION

5.1 INSTALLATION REQUIREMENTS

5.1.1 Electrical Power Supply

The Cabin Pressurization Unit is supplied with a 100 ft (31 m) power cord of the proper current rating for this length cord, and the motor/voltage of the machine. The end user must select and connect the proper cord termination plug per all local and federal code requirements.

The Cabin Pressurization Unit is supplied with proper overload and short circuit protection.

The facilities connection to be used for the Cabin Pressurization Unit must be equipped with a properly sized disconnect.

5.1.2 Full Load Amperage

MODEL NUMBER	VOLTAGE/FREQUENCY	FULL LOAD AMPS
15A7610-6000	208VAC/60HZ	117A
15B7610-6000	230VAC/60HZ	106A
15C7610-6000	380VAC/60HZ	57A
15D7610-6000	460VAC/60HZ	53A
15E7610-6000	575VAC/60HZ	42.5A
15F7610-6000	380/145/440VAC/50HZ	62A
15G7610-6000	200/220VAC/50HZ	120A

5.1.3 Motor Overload Protection

The CPU is equipped with a solid-state overload relay. The trip point of the relay is factory set to the proper current level. Adjustment is not recommended.

5.1.4 Shop Air Connection

Shop air must be supplied to the Cabin Pressurization Unit. The connection is located on the back of the machine
Maximum pressure..... 150 psi (10.3 bar)
Connection size..... ¼ NPT

5.1.5 Blower

Blower is filled to the correct level with oil, no customer action required. See maintenance section for oil type and viscosity.

5.1.6 Relief Valve

The pressure relief valve is factory set at 15.0 psi (1.03 bar). This is to protect the blower from excessive pressure. ***Do not adjust the pressure relief valve.***

5.2 PERSONNEL REQUIREMENTS (TECHNICAL EXPERTISE) FOR INSTALLATION

5.2.1 Electrical Connections

Electrical connections are to be made by a qualified electrician per all applicable codes and regulations.

5.2.2 Shop Air Connections

Shop air connections are to be made by qualified personnel per all applicable codes and regulations.

5.3 INSPECTION AND TESTING PROCEDURE ON INSTALLATION

Check for any loose bolts, panels, or hardware. Correct as necessary.

6.0 OPERATION

6.1 OPERATING PARAMETERS

Due to the complexities, differences, and changes in aircraft pneumatic systems, no attempt has been made to relate to any specific aircraft. The customer must ***always*** follow the aircraft manufacturer's instructions regarding aircraft cabin pressurization procedures and pressure levels. It is mandatory that the operators read, and understand, this manual and the aircraft maintenance manual prior to using this equipment.

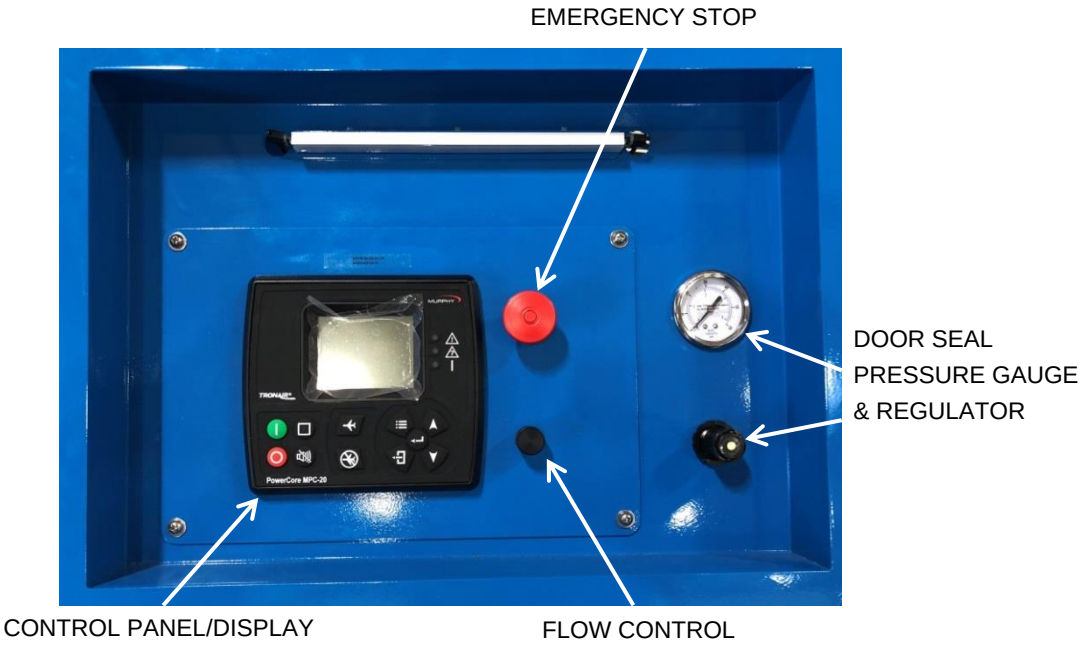
WARNING!

To prevent personal Injury and/or damage to aircraft:

1. **ALWAYS follow aircraft manual procedures for aircraft pressurization.**
2. **NEVER exceed specified aircraft pressure levels.**
3. **Never operate this CPU prior to reading this manual.**
4. **Never open any aircraft cabin door or access panel if there is any pressure in the cabin.**
5. **ALWAYS use applicable safety equipment required for aircraft pressurization tests.**

6.2 LOCATION & LAYOUT OF CONTROLS

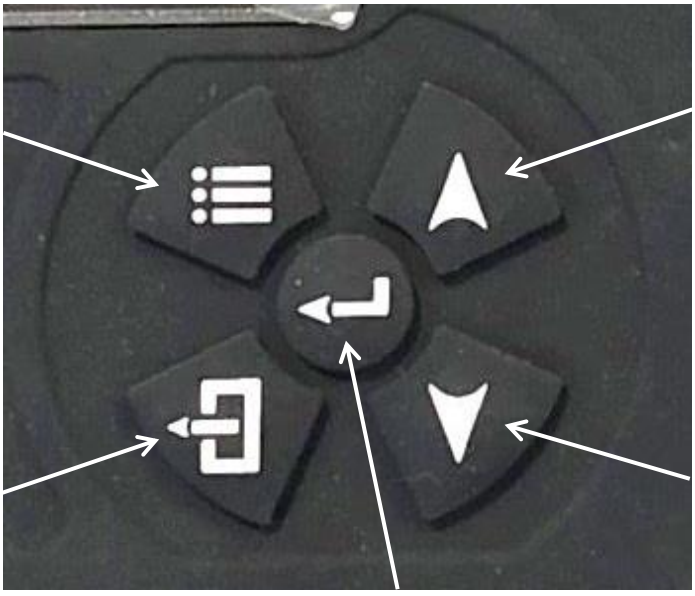
OPERATOR PANEL



6.2 LOCATION & LAYOUT OF CONTROLS *(continued)*

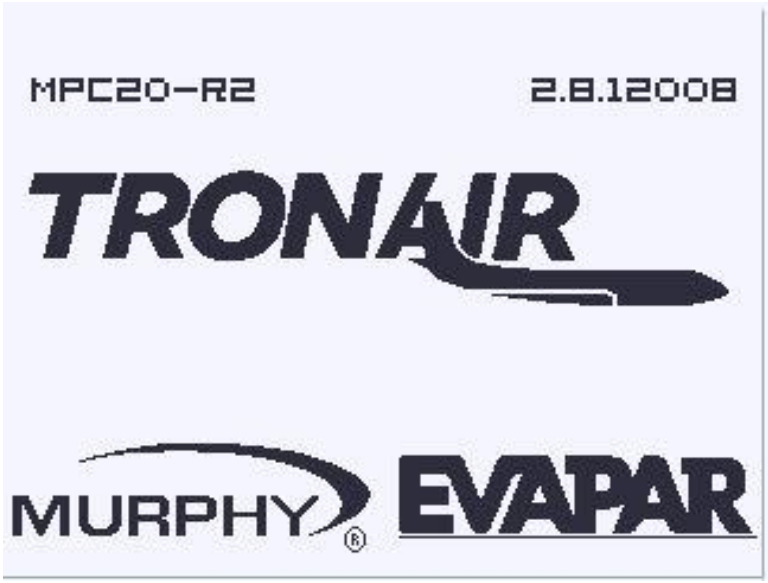
CONTROL PANEL/DISPLAY

MULTI-FUNCTION KEYS

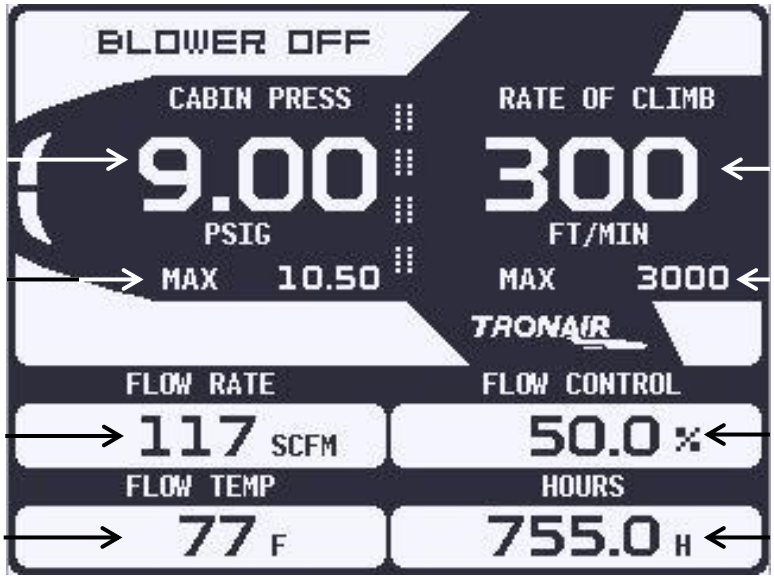


6.2 LOCATION & LAYOUT OF CONTROLS *(continued)*

MAIN SCREEN (SLEEP MODE)



MAIN OPERATING SCREEN



CABIN PRESSURE

ALARM MAXIMUM CABIN PRESSURE

FLOW RATE

DELIVERY TEMPERATURE

CABIN RATE OF CLIMB

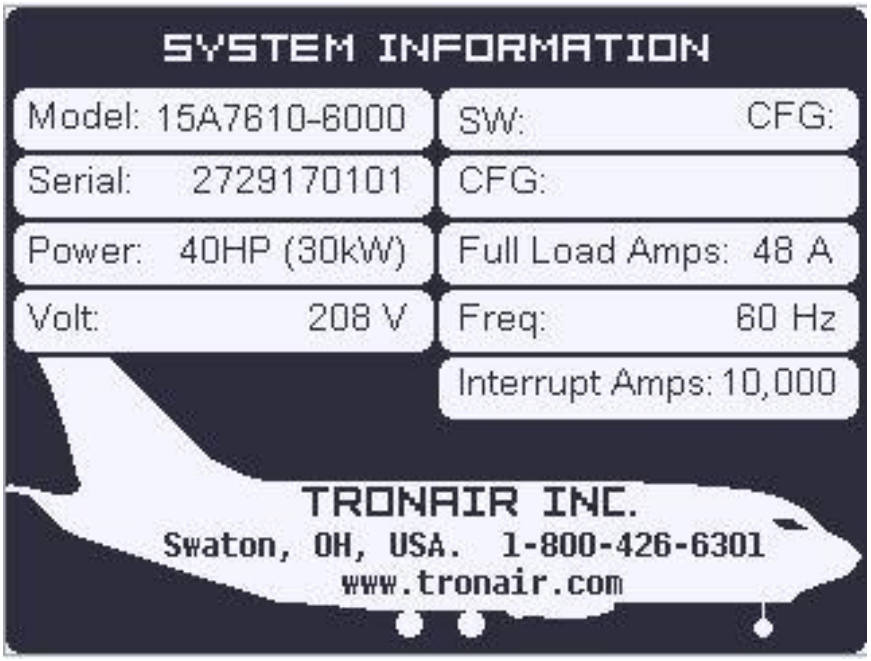
ALARM MAXIMUM RATE OF CLIMB

FLOW CONTROL SETTING

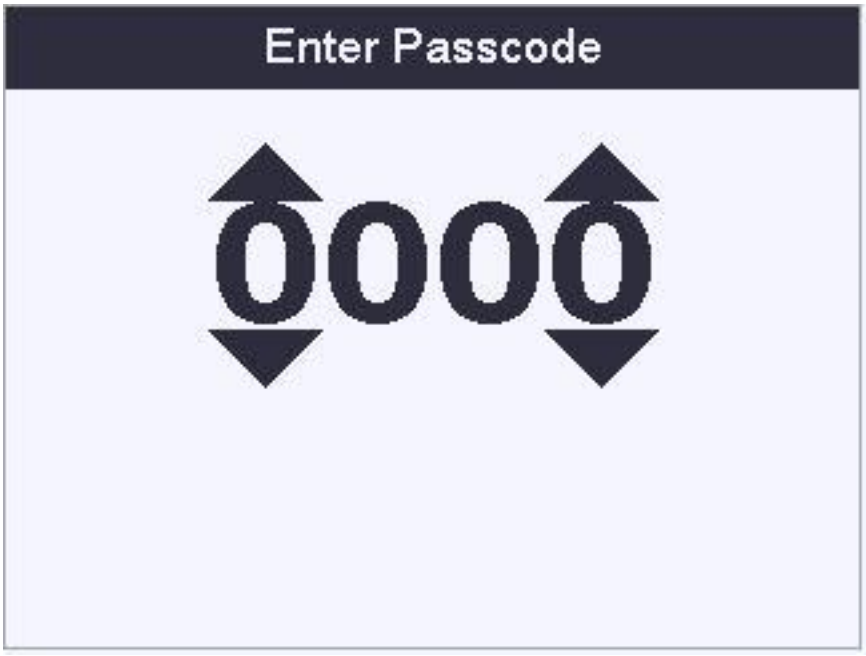
RUNNING HOURS

6.2 LOCATION & LAYOUT OF CONTROLS *(continued)*

SYSTEM INFORMATION

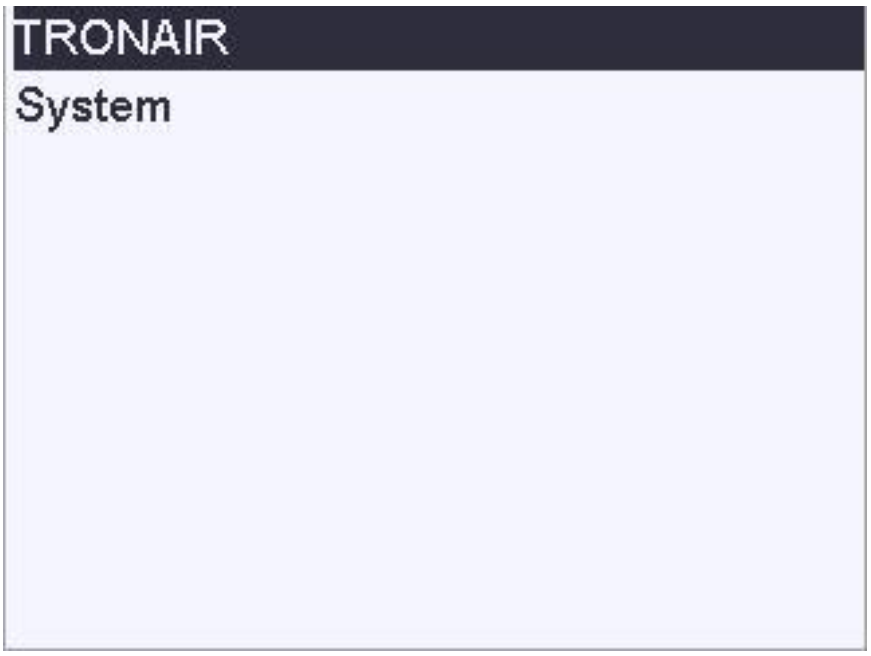


Press the **Password** button; Press the **Enter** button four times (0000);



6.2 LOCATION & LAYOUT OF CONTROLS *(continued)*

The Tronair screen allows operators to set the **Maximum Cabin Pressure** and **Rate of Climb warning** values.



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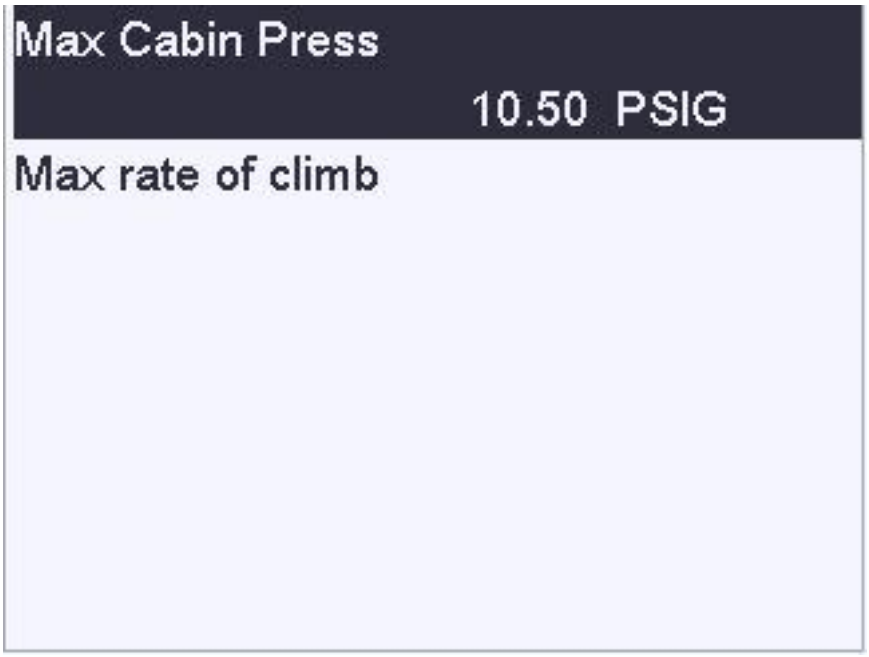
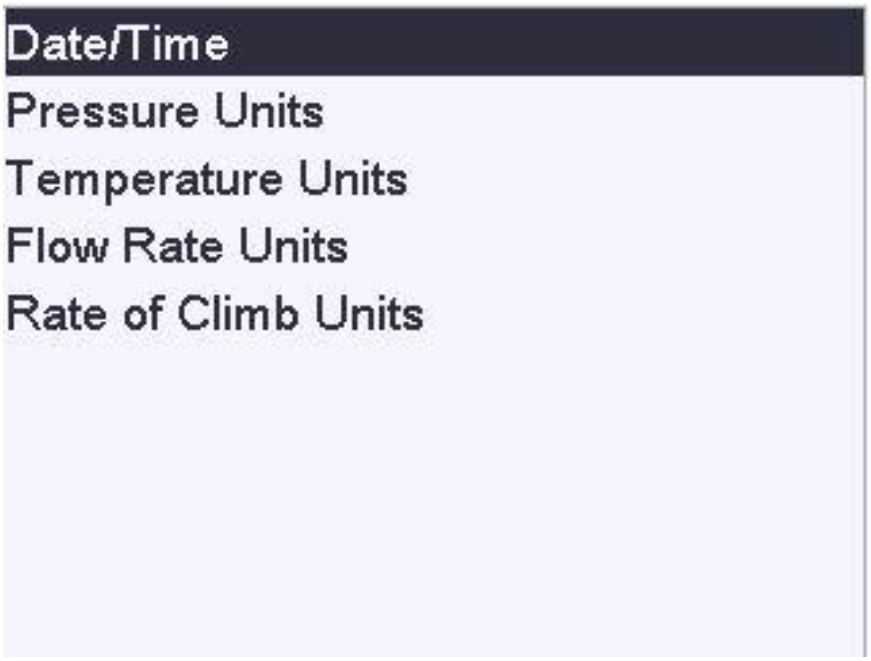


6.2 LOCATION & LAYOUT OF CONTROLS *(continued)*

The System screen allows the operator to set **units** for the various display values.



Units available in the software:

- Pressure Units – PSIG or PSIA
- Temperature Units - °F or °C
- Flow Rate Units – SCFM or LB/MIN
- Rate of Climb Units – FT/MIN or M/SEC

6.3 START UP PROCEDURES

- Electrical connections are to be made by a qualified electrician per all applicable codes and regulations
- Attach the customer supplied electrical plug to the power cord, plug must be properly rated for the application
- After electrical connections to facilities supply is complete, open the ball valve located on the back of the unit, turn the airflow control fully counter clockwise, and turn on the electrical disconnect on the unit
- The unit will go through a check procedure. Press the “Start” button – the blower will start spinning
- **Verify** air is blowing **out** the exhaust vent located on the back bottom of the unit.
- If not, **remove** electrical power from the unit and switch any two supply power supply wires at the fused disconnect **INPUT** side, located inside the electrical box on the machine
- **Verify** air is blowing **out** the exhaust vent located on the back bottom of the unit.

6.4 ADJUSTMENTS FOR OPERATION

- Set the Maximum cabin pressure and maximum rate of climb in the software. This is a warning system, NOT a control system. Constant monitoring of the cabin condition must be done while operating this unit.
- Connect the supply line and cabin sense line to the aircraft.
- Connect the door seal supply and compressed source if required.
- Fully open the supply line ball valve
- Adjust the flow control to minimum value (fully CCW).
- Press the start button
- Observe that the cabin pressure and rate of climb values respond, this is a verification that the cabin sense line if properly connected
- SLOWLY increase the flow control until the desired cabin pressure is achieved
- Constantly monitor the cabin rate of climb to assure the maximum acceptable value is not exceeded
- When the desired cabin pressure is achieved and the cabin rate of climb is at 0.00
- Read the flow rate entering the cabin, this is the aircraft leak rate
- Keep the unit running while the cabin is pressurized
- To decrease the cabin pressure, a similar procedure is used
- SLOWLY decrease the flow control until the desired cabin pressure is achieved
- Constantly monitor the cabin rate of climb to assure the maximum acceptable value is not exceeded
- When the flow control is at the fully CCW position and the cabin rate of climb is 0.00
- Press the stop button
- Disconnect the supply, cabin sense, and door seal hoses from the aircraft

6.5 EMERGENCY SHUT DOWN PROCEDURE

- If The Aircraft Is NOT Pressurized - Press the “EMERGENCY STOP” button.
- If The Aircraft IS Pressurized - Shut the ball valve, Press the “EMERGENCY STOP” button.

6.6 DESCRIPTION OF ALARM SYSTEMS

Set the Maximum cabin pressure and maximum rate of climb in the software. This is a warning system, NOT a control system. Constant monitoring of the cabin condition must be done while operating this unit.

7.0 PACKAGING AND STORAGE

Packaging for shipment should include a suitable pallet with surrounding crating to prevent damage to unit. The machine should be securely strapped to the pallet. Rings for this purpose are located at either end of the machine, on the bottom of the frame.

7.1 HANDLING

The Cabin Pressurization Unit can be rolled freely by hand. If required, the unit may be lifted, by a suitable fork truck, from any side provided that the forks extend thru to the side opposite the fork truck.

7.2 STORAGE ENVIRONMENT

The Cabin Pressurization Unit is suitable for either indoor or outdoor storage. While moisture sensitive components are sealed from falling rain, it is recommended that a soft tarp be used to cover the machine if stored outdoors.

8.0 TRANSPORTATION

- Rings are provided at either end of the machine for tie down points.
- The unit may be lifted by a fork truck from any side, provided the forks extend to the side opposite the fork truck.
- A handle is provided for manually rolling the machine.
- No other handling points are provided.

9.0 TROUBLE SHOOTING

PROBLEM	PROBABLE CAUSE	REMEDY
Cannot build required cabin air pressure – Flow high	Excessive cabin leakage	Assure all aircraft inspection panels in place
		Assure door seal inflated
		Assure aircraft cabin air controls are properly set Check outflow and safety valves
Cannot build required cabin air pressure – Flow low	Back pressure loss in aircraft system	Assure aircraft cabin air controls are set properly
		Common on aircraft where CPU air enters upstream of aircraft mass air flow valve Re-plumb downstream of aircraft mass air flow valve
Low CPU output pressure and/or flow	Loose belts	Tighten belt/Replace belts
	Dirty inlet filter	Replace filter
	Low power	Check for facility blown fuse, loose wire
No CPU output (Motor not running)	No inlet power	Check facility
	Overload relay tripped	Power switch in OFF position, allow unit to cool and restart unit
	Failed motor	Replace motor
No CPU output (Motor running)	Blocked inlet	Inspect inlet silencer/filter for blockage and correct
	Leakage between unit and aircraft	Leak check hose connections and over all hose
	Drive belts failed	Inspect and tighten or replace
	Failed blower	Blower needs Maintenance

10.0 MAINTENANCE

10.1 BLOWER

Oil level in the blower should be checked every 100 hours of running time. Level is correct when oil is just running out the blower fill port when at room temperature.

10.2 FILTER

Air inlet filter should be replaced every 50 hours of running time in a clean environment. If used in a dirty environment or performance is reduced, replace as needed.

11.0 PROVISION OF SPARES

11.1 SOURCE OF SPARE PARTS

Spare parts may be obtained from the manufacturer:

TRONAIR, Inc.
1 Air Cargo Pkwy East
Swanton, Ohio 43558 USA

Telephone: (419) 866-6301 or 800-426-6301
Fax: (419) 867-0634
E-mail: sales@tronair.com
Website: www.tronair.com

For Spare Parts, Operations & Service Manuals or Service Needs:
Scan the QR code or visit Tronair.com/aftermarket

11.2 BLOWER

Part Number	Description	Qty
H-4141	BLOWER 325 SCFM	1

11.3 FILTER

Part Number	Description	Qty
K-5242	KIT, REPLACEMENT FILTER	1

11.4 EXTERNAL COMPONENTS

Part Number	Description	Qty
Z-11194	ASSEMBLY, HOSE (SUPPLY)	1
Z-1697-02	ASSEMBLY, HOSE (SENSE)	1
Z-1698-02	ASSEMBLY, HOSE (DOOR SEAL)	1
U-1100	CASTER, SWIVEL	2
U-1099	CASTER, RIGID	2
EC-2420	LIGHT, TOWER	1
H-2657	GAGE, PRESSURE 0-60 PSI/BAR	1

11.5 REPLACEMENT LABELS PARTS LIST

LABEL NO	DESCRIPTION	Qty
V-1050	ISO ELECTRICAL SHOCK	1
V-1246	A/C CABIN SENSOR	1
V-1247	REGULATOR AIR	2
V-1248	A/C SUPPLY AIR	1
V-1261	A/C CABIN PRESSURE	1
V-1340-05	TRONAIR	1
V-1845	SERIAL NO (CALL TRONAIR)	1
V-1866	SHOP AIR IN	1
V-1987	BELT HAZARD	3
V-2009	PRESSURE INCREASE	1
V-2023	FORKLIFT POINT	4
V-2097	WARNING	1
V-2293	CIRCUIT CAPABLE	1
V-2294	DANGER	1
V-2712	FUSES	1
V-2754	FILTER ELEMENT REPL.	1

11.6 RECOMMENDED SPARE PARTS LISTS

Reference the following page(s) for Replacement Parts and Kits available.

Part Number	Description	Qty
H-4178	DRIVE BELT	2
K-5242	KIT, REPLACEMENT FILTER	2
H-2657	GAGE, PRESSURE 0-60 PSI/BAR	1
Z-11194	ASSEMBLY, HOSE (SUPPLY)	1
Z-1697-02	ASSEMBLY, HOSE (SENSE)	1
Z-1698-02	ASSEMBLY, HOSE (DOOR SEAL)	1
TF-1153-064.43	TUBE, PTFE 1/4"	1
EC-3059	POTENTIOMETER	1
EC-3770	RTDT, TRANSDUCER	1
EC-3744	PRESSURE TRANSDUCER	1
EC-3759	CABLE, INTERCONNECTION	1
SEE PARTS LISTS	FUSES, MAIN POWER	3
SEE PARTS LISTS	FUSES, POWER SUPPLY	2/3
SEE PARTS LISTS	FUSES, HEAT EXCHANGER MOTOR	3

12.0 CALIBRATION OF INSTRUMENTATION

Range (psig)..... 15.00
Accuracy (%)..... 0.10
Deviation (psig) 0.015

SYSTEM PRESSURE CALIBRATION

Applied Pressure (System Pressure Gauge) (psig)	Minimum Acceptable (psig)	Maximum Acceptable (psig)	Gauge Movement (Direction)	Indicated Pressure (Calibration Gauge) (psig)
0.000	-0.015	0.015	increasing	
5.000	4.985	5.015	increasing	
10.000	9.985	10.015	increasing	
15.000	14.985	15.015	increasing	
10.000	9.985	10.015	decreasing	
5.000	4.985	5.015	decreasing	
0.000	-0.015	0.015	decreasing	
Allowable operating tolerance: +/- 0.10% of full scale (15 psig) at room temperature (70º F) is +/- 0.015 psig				

13.0 IN SERVICE SUPPORT

Contact Tronair, Inc. for technical services and information. See Section 1.3 – Manufacturer.

14.0 GUARANTEES/LIMITATION OF LIABILITY

Tronair products are warranted to be free of manufacturing or material defects for a period of one year after shipment to the original customer. This is solely limited to the repair or replacement of defective components. This warranty does not cover the following items:

a) Parts required for normal maintenance
b) Parts covered by a component manufacturers warranty
c) Replacement parts have a 90-day warranty from date of shipment

If you have a problem that may require service, contact Tronair immediately. Do not attempt to repair or disassemble a product without first contacting Tronair, any action may affect warranty coverage. When you contact Tronair be prepared to provide the following information:

a) Product Model Number
b) Product Serial Number
c) Description of the problem

If warranty coverage is approved, either replacement parts will be sent or the product will have to be returned to Tronair for repairs. If the product is to be returned, a Return Material Authorization (RMA) number will be issued for reference purposes on any shipping documents. Failure to obtain a RMA in advance of returning an item will result in a service fee. A decision on the extent of warranty coverage on returned products is reserved pending inspection at Tronair. Any shipments to Tronair must be shipped freight prepaid. Freight costs on shipments to customers will be paid by Tronair on any warranty claims only. Any unauthorized modification of the Tronair products or use of the Tronair products in violation of cautions and warnings in any manual (including updates) or safety bulletins published or delivered by Tronair will immediately void any warranty, express or implied.

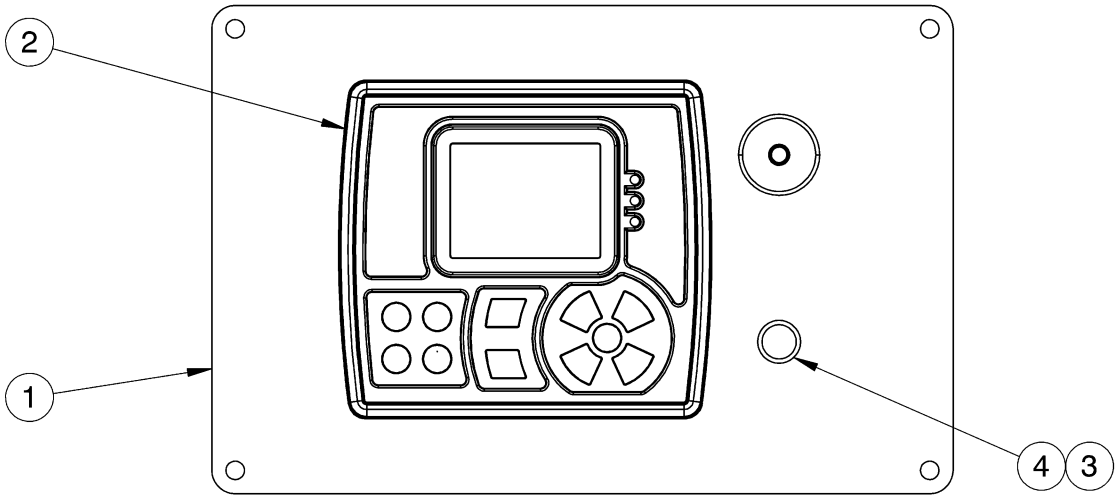
The obligations of Tronair expressly stated herein are in lieu of all other warranties or conditions expressed or implied. **Any unauthorized modification of the Tronair products or use of the Tronair products in violations of cautions and warnings in any manual (including updates) or safety bulletins published or delivered by Tronair will immediately *void any warranty, express or implied* and Tronair *disclaims any and all liability for injury (WITHOUT LIMITATION and including DEATH), loss or damage arising from or relating to such misuse*.**

15.0 APPENDICIES

Appendix I Electric Schematics
Appendix II Pneumatic Schematic
Appendix III Blower Maintenance Data
Appendix IV Motor Maintenance Data
Appendix V Instrument Certification Notice
Appendix VI Declaration of Conformity

Parts List

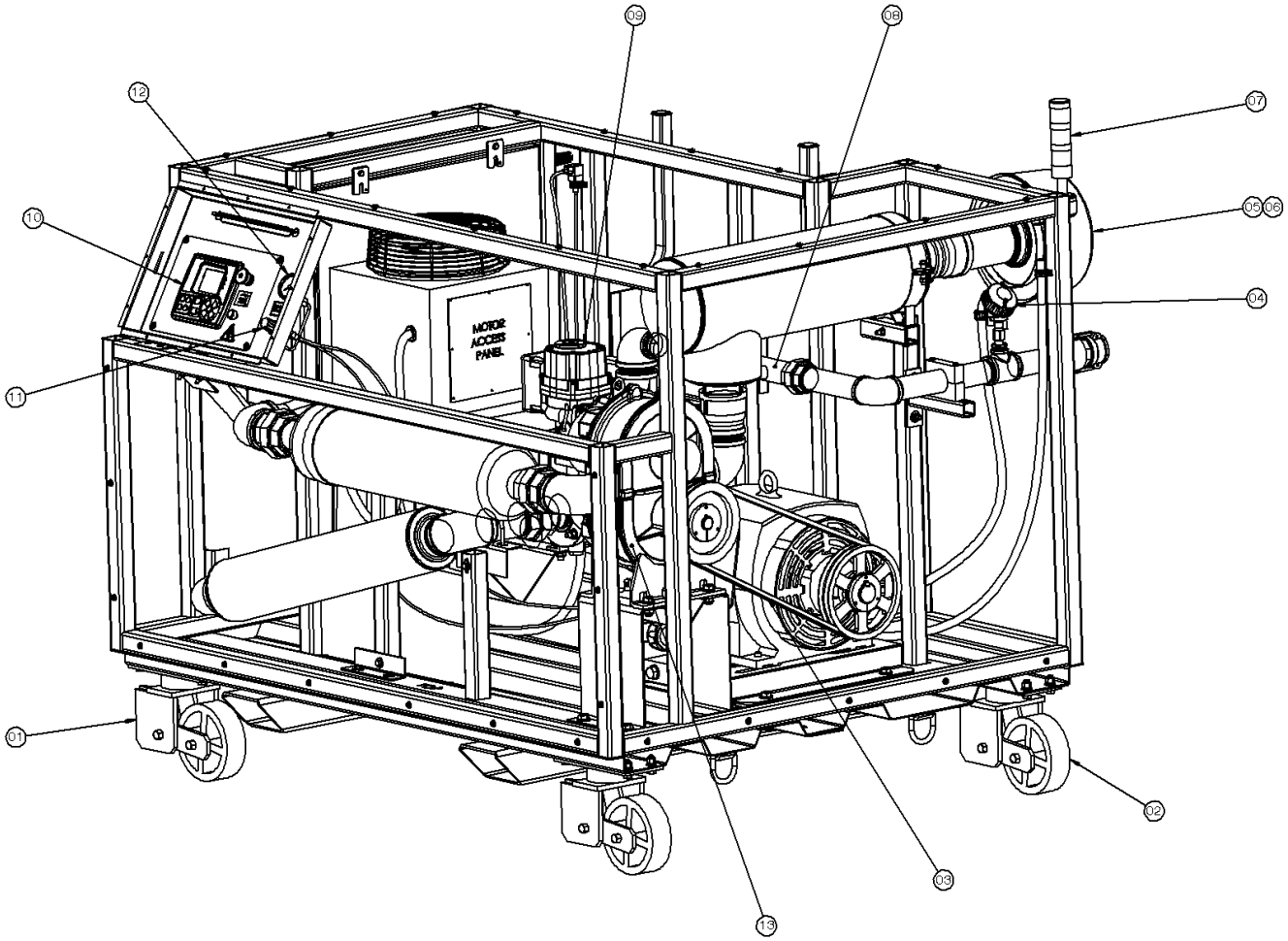
When ordering replacement parts/kits, please specify model, serial number and color of your unit.



Item	Part Number	Description	Qty
1	S-3260-01	PANEL, CONTROL	1
2	EC-3441-CPU	CONTROLLER	1
3	EC-3059	POTENTIOMETER	1
4	EC-3051	KNOB	1

Parts List

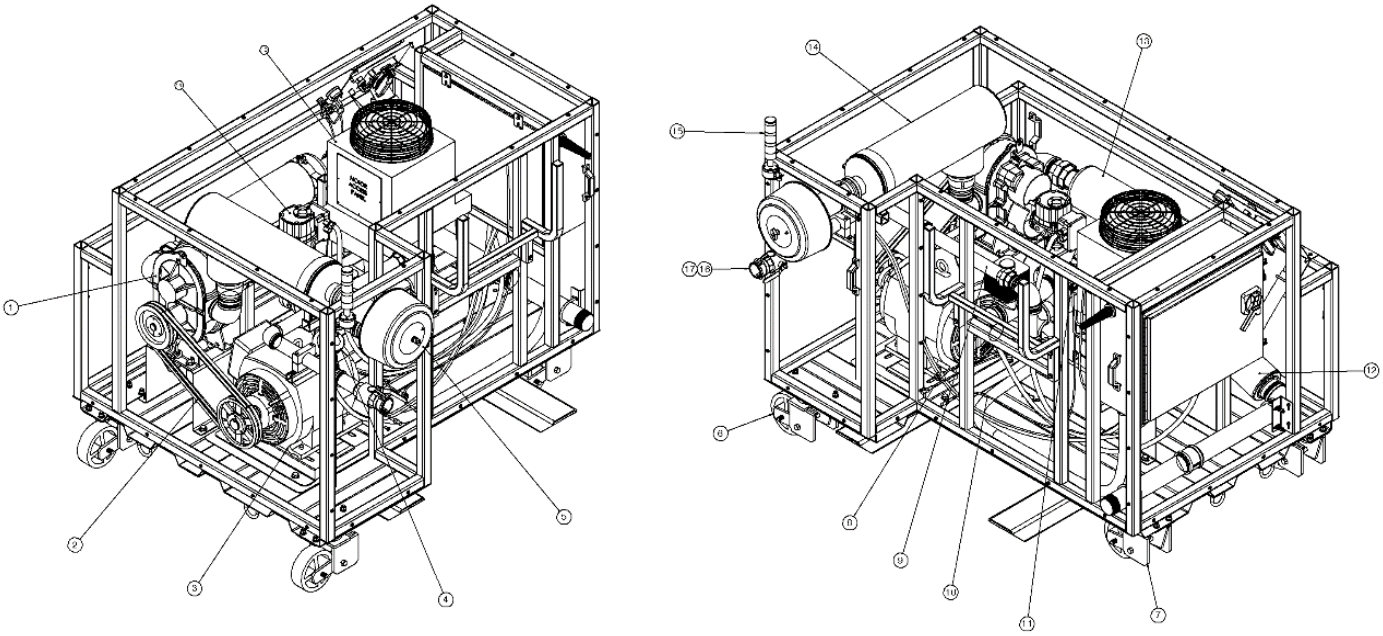
When ordering replacement parts/kits, please specify model, serial number and color of your unit.



Item	Part Number	Description	Qty
1	U-1100	CASTER, SWIVEL	2
2	U-1099	CASTER, RIGID	2
3	H-4178	DRIVE BELT	2
4	EC-3770	RTDT, TRANSDUCER	1
5	H-4179	FITLER, INLET	1
6	K-5242	KIT, REPLACEMENT FILTER	1
7	EC-2420	LIGHT, TOWER	1
8	H-4385	FLOWMETER	1
9	H-4142	VALVE, BUTTERFLY 3 INCH MOD.	1
10	EC-3441-CPU	MURPHY PANEL & E-STOP	1
11	H-1397	REGULATOR	1
12	H-2657	GAGE, PRESSURE 0-60 PSI/BAR	1
13	H-4141	BLOWER, 325 SCFM	1
14	Z-11194	ASSEMBLY, HOSE (SUPPLY)	1
15	Z-1697-02	ASSEMBLY, HOSE (SENSE)	1
16	Z-1698-02	ASSEMBLY, HOSE (DOOR SEAL)	1

Parts List

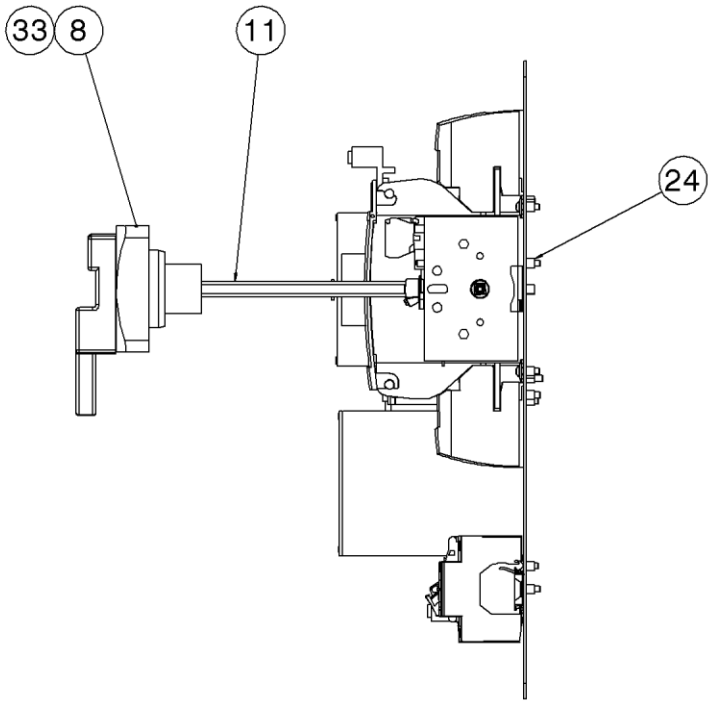
When ordering replacement parts/kits, please specify model, serial number and color of your unit.



Item	Part Number	Description	Qty
1	H-4141	BLOWER 325 SCFM	1
2	H-4178	DRIVE BELT	1
3	SEE ELECTRICAL	MOTOR, C-FACE 40HP	1
4	EC-3770	RTDT, TRANSDUCER	1
5	H-4179	FILTER, INLET	1
6	TF-1153-073.00	TUBE, PTFE 1/4"	1
7	H-4385	FLOWMETER	1
8	TF-1153-064.43	TUBE, PTFE 1/4"	1
9	EC-1778	CABLE, DIN CONNECTOR	1
10	U-1100	CASTER, SWIVEL	2
11	U-1099	CASTER, RIGID	2
12	H-4180	SILENCER, BLOW OFF VENT	1
13	H-4187	SILENCER, DISCHARGE	1
14	H-4186	SILENCER, INLET	1
15	EC-2420	LIGHT, TOWER	1
16	N-3073	COUPLER, NPT	1
17	HC-1179	VAVLE, BALL	1
18	PC-1198	EXCHANGER, HEAT	1
19	H-4142	VALVE, BUTTERFLY	1

Parts List

When ordering replacement parts/kits, please specify model, serial number and color of your unit.



THE FOLLOWING PARTS ARE APPLICATION SPECIFIC
Be sure to locate the correct voltage and hertz of the unit before selecting the part

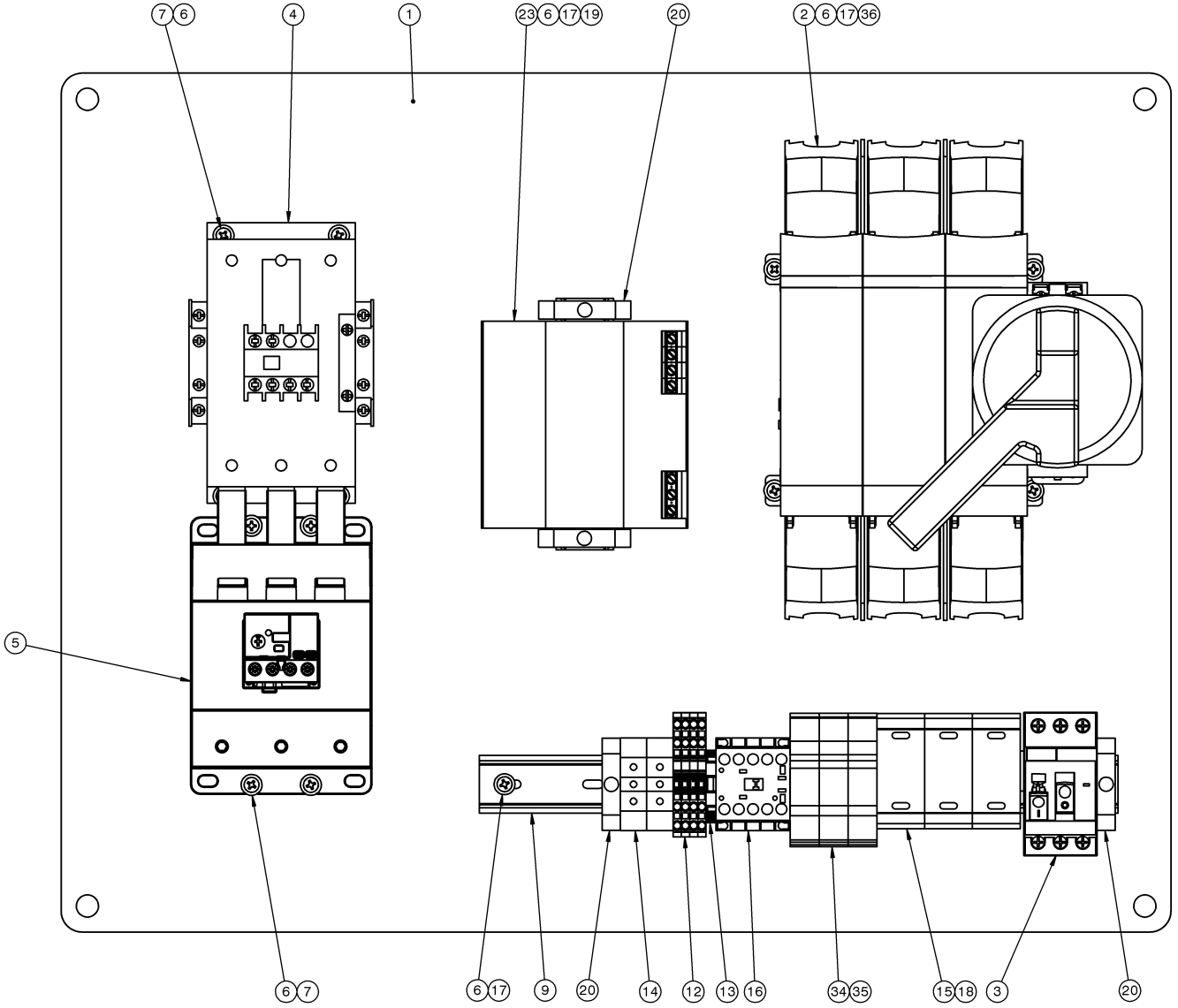
Item	60 Hz Applications					Description	Qty
	208	230	380	460	575		
8	EC-2654			N/A		HANDLE, DISCONNECT	1
11	EC-2655			N/A		SHAFT, EXTENSION	1
24	G-1440-1035-S					NUTSERT, 10-32 OPEN END	26
33	N/A			S-3448-00		ADAPTOR PLATE	1

Item	50 Hz Applications					Description	Qty
	380	415	440	200	220		
8	EC-2654					HANDLE, DISCONNECT	1
11	EC-2655					SHAFT, EXTENSION	1
24	G-1440-1035-S					NUTSERT, 10-32 OPEN END	26
33	N/A					ADAPTOR PLATE	1

Models: 15A7610-6000 15B7610-6000 15C7610-6000 15D7610-6000
15E7610-6000 15F7610-6000 15G7610-6000

Parts List

When ordering replacement parts/kits, please specify model, serial number and color of your unit.



Parts List

When ordering replacement parts/kits, please specify model, serial number and color of your unit.

THE FOLLOWING PARTS ARE APPLICATION SPECIFIC
Be sure to locate the correct voltage and hertz of the unit before selecting the part

Item	60 Hz Applications					Description	Qty
	208	230	380	460	575		
2	EC-2670	EC-2670	EC-2653	EC-2669	EC-2669	DISCONNECT, SWITCH	1
3	EC-3097-09	EC-3097-09	EC-3097-08	EC-3097-08	EC-3097-08	STARTER, MOTOR	1
4	EC-3366	EC-3366	EC-3365	EC-3365	EC-3365	CONTACTOR	1
5	EC-3349	EC-3349	EC-3349	EC-3349	EC-3349	OVERLOAD	1
10	EC-1556-07	EC-1556-06	EC-1556-01	EC-1557-31	EC-1557-31	FUSE, CLASS J	3
18	EC-1557-15	EC-1557-15	EC-1557-06	EC-1557-06	EC-1557-06	FUSE, CLASS J	3
23	EC-3163	EC-3163	EC-3164	EC-3164	EC-3165	POWER SUPPLY	1
25	PC-1198	PC-1198	PC-1198	PC-1198	PC-1207	EXCHANGER, HEAT	1
26	EC-1227-07-1236	EC-1227-06-1236	EC-1227-02-1236	EC-1227-02-1236	EC-1227-01-1236	CABLE, POWER	1
27	EC-1433-43	EC-1433-42	EC-1433-31	EC-1433-31	EC-1433-30	CONNECTOR, STRAIN RELIEF	1
28	EC-1176-07	EC-1176-07	EC-1176-06	EC-1176-06	EC-1176-06	LOCKNUT, CONDUIT	1
29	N/A	N/A	EC-1306-15	EC-1306-15	EC-1306-15	WASHER, REDUCING	2
30	EC-1480-20	EC-1480-20	EC-1480-20	EC-1480-20	EC-1480-21	MOTOR, NON C FACE	1
31	H-4174	H-4174	H-4174	H-4174	H-4174	PULLEY, MOTOR	1
32	H-4178	H-4178	H-4178	H-4178	H-4178	DRIVE BELT	2
34	EC-1541-03	EC-1541-03	EC-1541-05	EC-1541-05	EC-1541-05	FUSEHOLDER	1
35	EC-1675-17 (qty 2)	EC-1675-17 (qty 2)	EC-1675-14 (qty 3)	EC-1675-14 (qty 3)	EC-1675-09 (qty 3)	FUSE	
36	EC-2727-01	EC-2727-01	N/A	N/A	N/A	LUGS, TERMINAL	2
37	EC-2728-02	EC-2728-02	N/A	N/A	N/A	SHROUD, TERMINAL	2

Parts List

When ordering replacement parts/kits, please specify model, serial number and color of your unit.

THE FOLLOWING PARTS ARE APPLICATION SPECIFIC
Be sure to locate the correct voltage and hertz of the unit before selecting the part

Item	50 Hz Applications					Description	Qty
	380	415	440	200	220		
2	EC-2653	EC-2653	EC-2653	EC-2670	EC-2670	DISCONNECT, SWITCH	1
3	EC-3097-08	EC-3097-08	EC-3097-08	EC-3097-09	EC-3097-09	STARTER, MOTOR	1
4	EC-3365	EC-3365	EC-3365	EC-3366	EC-3366	CONTACTOR	1
5	EC-3349	EC-3349	EC-3349	EC-3349	EC-3349	OVERLOAD	1
10	EC-1556-01	EC-1556-01	EC-1556-01	EC-1556-06	EC-1556-06	FUSE, CLASS J	3
18	EC-1557-06	EC-1557-06	EC-1557-06	EC-1557-15	EC-1557-15	FUSE, CLASS J	3
23	EC-3164	EC-3164	EC-3164	EC-3163	EC-3163	POWER SUPPLY	1
25	PC-1198	PC-1198	PC-1198	PC-1198	PC-1198	EXCHANGER, HEAT	1
26	EC-1227-02-1236	EC-1227-02-1236	EC-1227-02-1236	EC-1227-07-1236	EC-1227-07-1236	CABLE, POWER	1
27	EC-1433-31	EC-1433-31	EC-1433-31	EC-1433-43	EC-1433-43	CONNECTOR, STRAIN RELIEF	1
28	EC-1176-06	EC-1176-06	EC-1176-06	EC-1176-07	EC-1176-07	LOCKNUT, CONDUIT	1
29	EC-1306-15	EC-1306-15	EC-1306-15	-	-	WASHER, REDUCING	2
30	EC-1480-20	EC-1480-20	EC-1480-20	EC-1480-20	EC-1480-20	MOTOR, NON C FACE	1
31	H-4200	H-4200	H-4200	H-4200	H-4200	PULLEY, MOTOR	1
32	H-4201	H-4201	H-4201	H-4201	H-4201	DRIVE BELT	2
34	EC-1541-05	EC-1541-05	EC-1541-05	EC-1541-03	EC-1541-03	FUSEHOLDER	1
35	EC-1675-14 (qty 3)	EC-1675-14 (qty 3)	EC-1675-14 (qty 3)	EC-1675-17 (qty 2)	EC-1675-17 (qty 2)	FUSE	
36	N/A	N/A	N/A	EC-2727-01	EC-2727-01	LUGS, TERMINAL	2
37	N/A	N/A	N/A	EC-2728-02	EC-2728-02	SHROUD, TERMINAL	2

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APPENDIX I

Electrical Schematics
INS-2420 and INS-2678

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APPENDIX II

Pneumatic Schematic
INS-2421

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APPENDIX III

Blower Maintenance Data

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APPENDIX IV

Motor Maintenance Data

APPENDIX V

Instrument Certification Notice

Instrument Certification Notice

The gauge Certificates of Calibration supplied for the gauge(s) on this unit contain the calibration data for the actual instrument calibrated, along with the calibration date of the **STANDARD** used to perform the calibration check.

The due date for re-calibration of the instrument should be based upon the date the instrument was placed in service in your facility. Re-calibration should be done on a periodic basis as dictated by the end user's quality system or other overriding requirements.

Note that Tronair, Inc. does not supply certificates of calibration on flow meters or pyrometers unless requested at the time of placed order. These instruments are considered reference indicators only and are not critical to the test(s) being performed on the aircraft.

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Swanton, OH 43558

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Email: sales@tronair.com

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APPENDIX VI

Declaration of Conformity

DECLARATION of CONFORMITY

The design, development and manufacture is in accordance with European Community guidelines

CABIN PRESSURIZATION UNIT

Models: **15A7610-6000** **15B7610-6000** **15C7610-6000** **15D7610-6000**
15E7610-6000 **15F7610-6000** **1576G10-6000**

Relevant provisions complied with by the machinery:
2006/42/EC
2004/108/EC

Relevant standards complied with by the machinery:
EN ISO 12100:2010
BS ISO 13850:2008
BS ISO 13849-1:2006
BS ISO 4414:2010
BS EN ISO 14121-1:2007
BS EN 60204-1:2018
CEN - EN 1915-1:2013

Identification of person empowered to sign on behalf of the manufacturer:

Patrick Finch

Quality Assurance Representative

Tronair, Inc.
1 Air Cargo Pkwy East
Swanton, OH 43558

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Email: sales@tronair.com