



400 PARKWAY DRIVE
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PARTS LIST

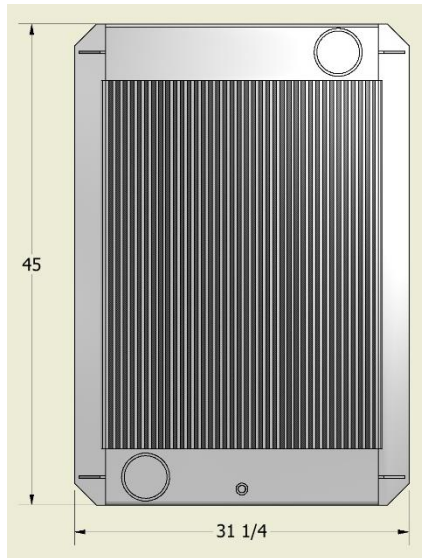
Trailer Mounted Air-to-Air Cooler



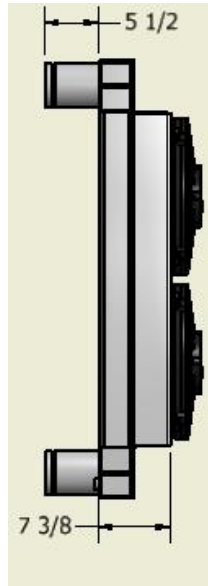
Air Coolers

We have two different cooler configurations to suit your needs. The 4-inch Victaulic grooved inlet and outlet tubes can be located on the same side as the fans, or on the opposite side of the fans.

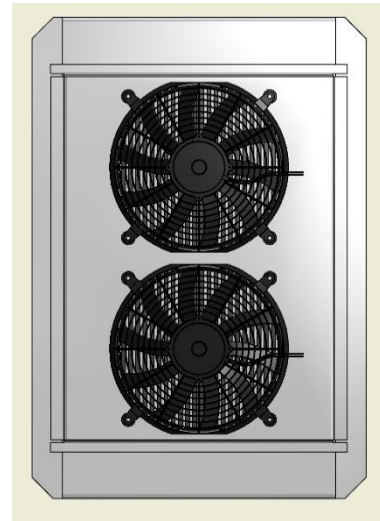
FRONT VIEW



SIDE



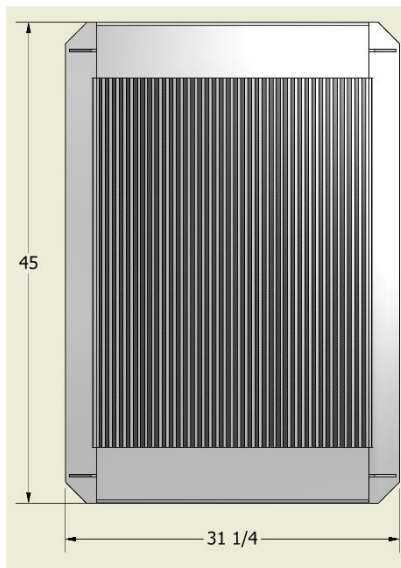
REAR VIEW



Cooler 1: Standard air cooler, with 4-inch intake and discharge nozzles on side opposite fans.

Part Number: 251-058-000

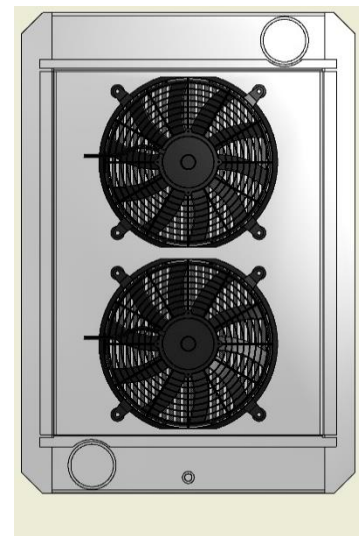
FRONT VIEW



SIDE



REAR VIEW



Cooler 2: Optional air cooler, with 4-inch intake and discharge nozzles same side as fans.

Part Number: 251-059-000

Cooler Mounting Bushings

The kit comes with ½" ID rubber mounting bushings to isolate vibrations for quiet, reliable operation of the unit. These bushings are attached between the frame of the cooler and the front support of the dry bulk trailer using nuts, bolts, and washers.

Part Number: *BAC-BUSHING*



Fans

The kit comes with two 16" 12-volt pusher fans (shown below). The fans push air across the unit, cooling the incoming hot air from the blower.

Part Number: *BAC-FAN*

The kit also includes two 90° mounting brackets for installation of the fans.

Part Number: *BAC-FANBRKT*



Electrical Hardware

Your Air-to-Air cooler will automatically turn on its fans when it senses 3psi of air pressure in the inlet side of the cooler. This normally open pressure switch completes the circuit to switch on the fan relay, which allows current to flow to the dual electric fans on the back of the cooler. It screws into the threaded bung on the inlet cooler tank. One wiring terminal on the pressure switch is connected to the auxiliary terminal of the nosebox, and the other side is connected to the relay, so when pressure is seen, the relay closes and the fans turn.

Part Number: *BAC-PRESWITCH*



Option one, the cooler can activate when inlet air reaches 100°F, using a normally open temperature switch. It also screws into the inlet cooler tank. The wiring is exactly like the pressure switch. Consult factory for more information.

Part Number: *BAC-TEMSWITCH*

Option two, you may also choose for manual operation of the fans, using an on-off switch. This switch can be mounted anywhere on the trailer, and is wired in the same way as the pressure or temperature switch. Consult factory for more information.

Part Number: *BAC-TOGSWITCH*



A weatherproof solenoid is used to protect the pressure, temperature, or on-off switch from the high amounts of current flowing to the two electric fans. This solenoid, like the pressure and temperature switches, uses electrical power from the nosebox of the trailer (see wiring diagram):

Part Number: *BAC-SOLENOID*



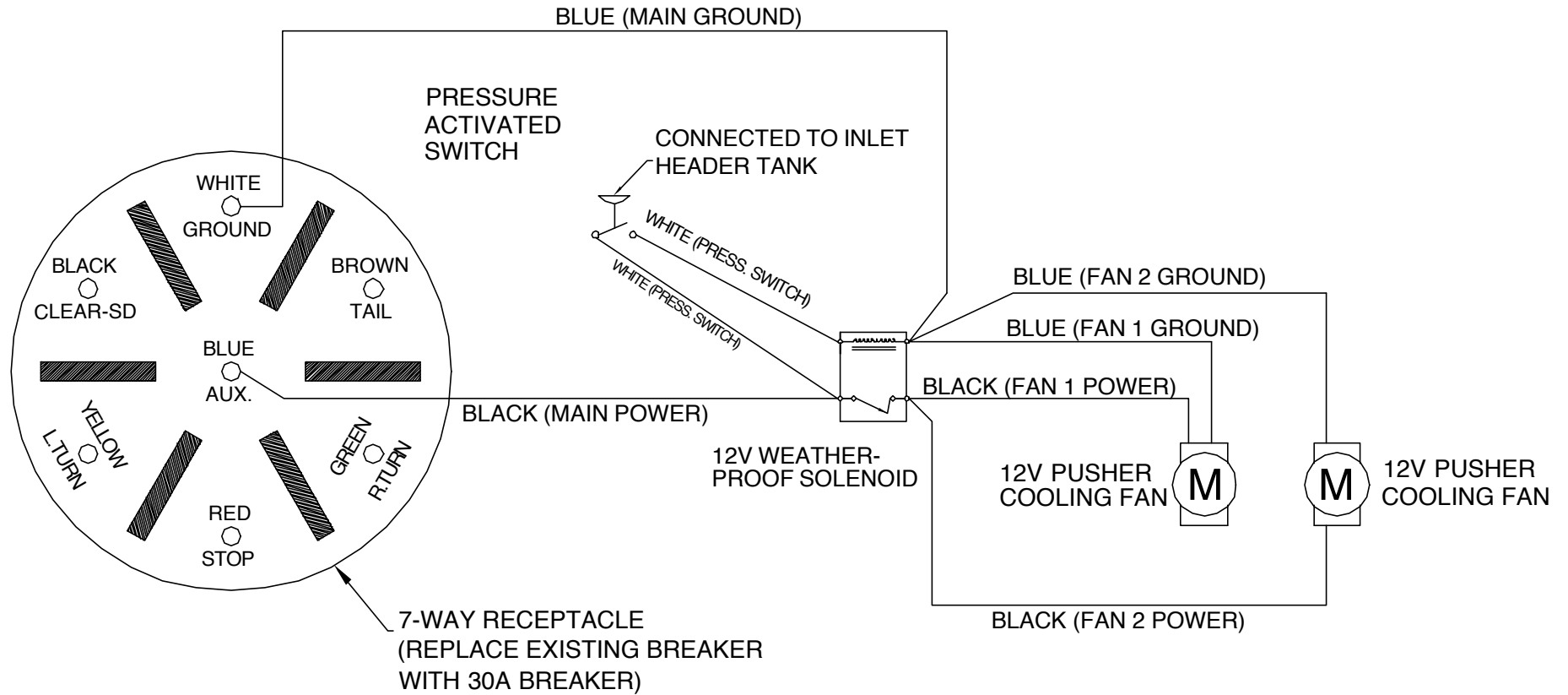
Temperature Gauges

Two 50-300°F liquid filled temperature gauges display intake and discharge and discharge air temperatures. The kit also comes with two threaded bungs, which are first welded into the intake and discharge pipes. The gauges have integrated probes, and just need to be threaded directly into the threaded bungs.

Part Number: *BAC-TEMGAUGE*



WIRING DIAGRAM FOR COOLER FANS



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