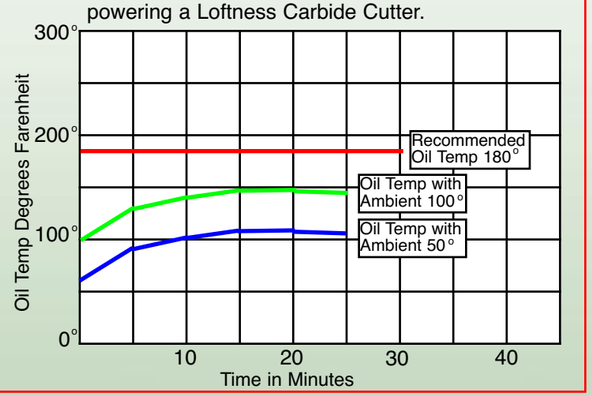
PERFORMANCE DATA

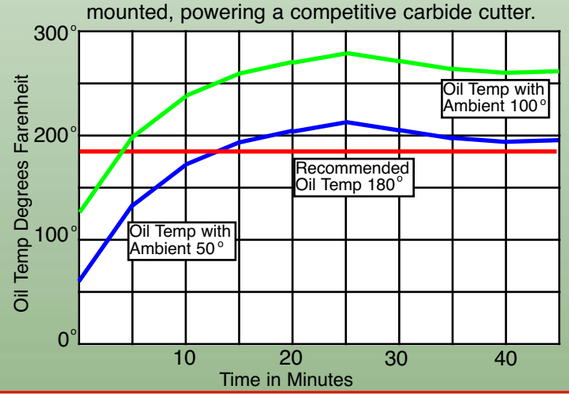
Loftness Roof-mounted Cooler

This chart shows a roof-mounted cooler on a Case 465. It maintained an oil temperature of less than 150 degrees during a 100 degree outside ambient air test. The industry recommended operating oil temperature is 180 degrees.

Case 465 with Loftness oil cooler, roof-mounted, powering a Loftness Carbide Cutter.



Deere 332 with competitor's oil cooler, cutter-mounted, powering a competitive carbide cutter.



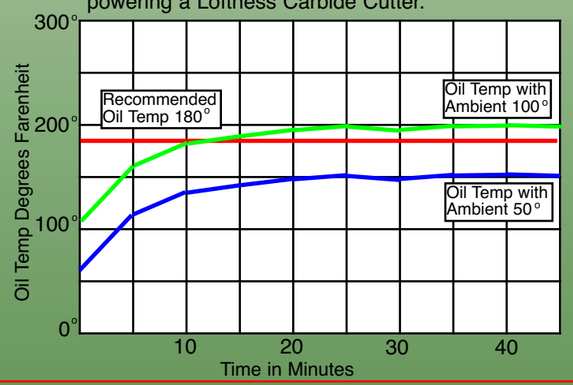
Competitive Head-mounted Cooler

This chart shows a head-mounted cooler, on a John Deere 332, overheating very quickly and going well over the recommended oil temperature. This usually results in an automatic engine shut-down. A re-start will not be possible until the system cools off sufficiently.

Loftness Roof-mounted Cooler

This chart shows a roof-mounted cooler on a John Deere 332. It did exceed the recommended oil temperature on the 100 degree outside ambient air test, but did not result in a shut-down and continued to operate in an acceptable temperature range around 200 degrees.

Deere 332 with Loftness oil cooler, roof-mounted, powering a Loftness Carbide Cutter.



LOFTNESS

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LOFTNESS Hydraulic Oil Cooler

Auxiliary Cooler For Skid-steers

Roof-mounted system eliminates concerns about impact damage, vibration, debris and excess backpressure associated with coolers mounted directly to cutter heads or other attachments.

loftness.com - 800-828-7624 - 320-848-6266

Features

Top Screen Off for Access

ROOF-MOUNTED

This is the best location on a skid-steer for an auxiliary cooler. There is much less contamination from dirt, leaves, dust and debris above the cab than on or near the head. Less vibration occurs when the cooler is mounted on the cab than on the cutter head. There is less concern of impact damage when compared with coolers mounted near the cutting head. Back pressure associated with coolers mounted on the cutterhead is reduced. The Coolflow cooler kit can be adapted to most makes and models.

TEMPERATURE/FAN SPEED CONTROLLER

Soft start fan speed controller maintains starting current at only approximatly 10% higher than normal operating current of the fan motor. Fan speed is regulated depending on the oil temperature by means of a temperature sensor. Overload and inverse polarity protection are built-in. Controller temporarily delays fan activation for self-protection.

SKID-STEER MOUNTED

The auxiliary cooler stays with your skid-steer to provide you with auxiliary cooling with any other severe-duty attachments. One-time mounting, then hook and un-hook all attachments normally. No extra wires to remember.

LOFTNESS

Cooler stays with skid-steer to provide auxiliary hydraulic cooling for other severe-duty attachments.

Specifications

Flow Capacity	10-40 GPM
Core Construction	Brazed Aluminum
Cooling Fan Size	16 inch Diameter
Cooling Capacity	105,000 BTU's/Hour
Width	30 inches
Length	31 inches
Height	16 inches
Weight	220 pounds

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Advantages

All Open for Cleaning

EASY ACCESS

The bottom screen slides out for easy debris removal. The top protective screen is heavy-duty and bolted on to protect the cooling fan and core. It is also easily removed and allows the hinged fan assembly to be raised up for accessing the cooling core, should further cleaning be required.

CONTINUOUS AUTOMATIC COOLING

The Loftness auxiliary hydraulic oil cooler cools the skid-steer's entire hydraulic system, including the drive system, whether the attachment is running or not. It cools even if the attachment is removed completely. There is also a cold weather by-pass valve that protects the cooler core from thick, heavy oil due to cold temperatures before it gets properly warmed up. The fan is thermostatically controlled to provide adequate cooling whenever needed.

REVERSIBLE HYDRAULIC FLOW

The cooler is uniquely engineered to allow full hydraulic flow to the attachment in either direction without risking damage to the cooler. Reversing the flow is very helpful to the everyday operation of a tree-cutting attachment, clearing wrapped or stuck material. This design also protects cooler from operator accidentally reversing, hoses hooked up wrong or one or more couplers becoming unhooked.