

Gardner Denver

ALL-IN-ONE HYDRAULIC DRIVE CONDITIONING SYSTEM

MH Series **Hydrapak**[®]



Hydrapak

Product Overview



The Hydrapak is a pre-engineered, compact, lightweight, highly efficient hydraulic oil conditioning system. Each system incorporates all the necessary components of a properly designed hydraulic system into one pre-assembled unit.

The Hydrapak establishes the standard for mobile hydraulic cooling systems and helps to make specifying, purchasing and maintaining any hydraulic system quick, easy and inexpensive.

What we can offer:

- Flow rate to 60 gpm
- Pressure rated to 5000 psi
- Stainless steel construction
- Environmentally friendly

1983



EH Series first developed in the U.K.

1988



Hydrapak redesigned for US market; named DH Series

1997

MH Series developed to include improved cooling capacity and more compact design

2006

MH5 released with a flow rate up to 60 gpm



2022

MHX Hydrapak released



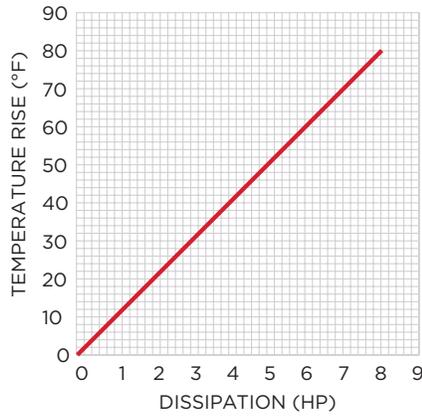
What is a Hydrapak?

The MH series Hydrapak is the culmination of decades of experience in the field and has proven to be the most affordable and best in value in the transportation industry.

MH1 & MH3

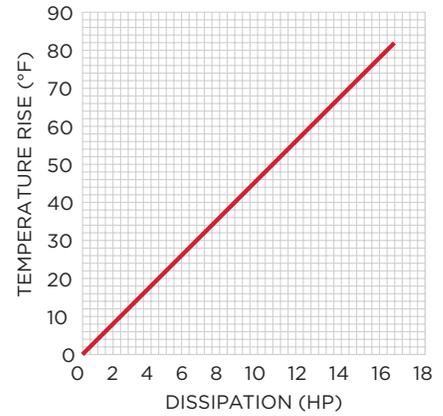
- The MH1 & MH3 Hydrapak provide a cost effective system for driving low horsepower product transfer pumps.
- Ideal on a bobtail delivery truck for propane, fuel oil, bucket truck, digger derrick mechanic truck or a specialized piece of mobile equipment.

PERFORMANCE CURVE
MH1 HYDRAPAK

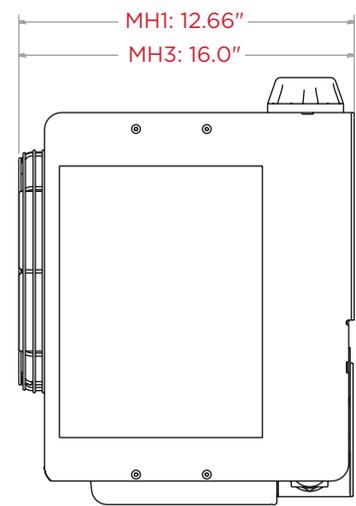
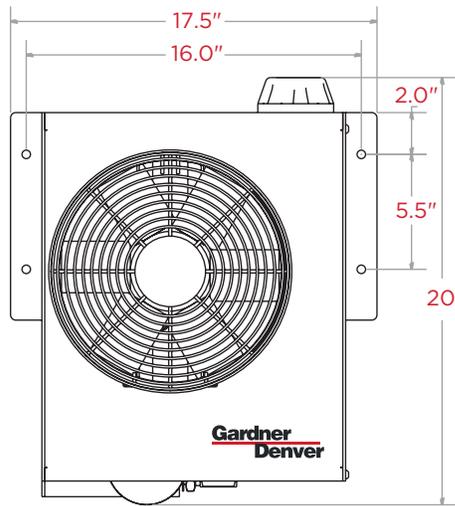


Notes: Curve based on following data:
16 GPM & 105°F. ISO Ambient, 32 Oil

PERFORMANCE CURVE
MH3 HYDRAPAK



Notes: Curve based on following data:
20 GPM & 105°F. ISO Ambient, 32 Oil



MH1 & MH3 SPECIFICATIONS

Model	Pressure (up to)	Reservoir Size	Flow Rate (up to)	Dry Weight
	PSIG BAR	GALLONS LITERS	GPM L/MIN	LBS KG
MH1	3,000 207	2 7.5	20 76	49 22
MH3	3,500 ⁽¹⁾ 241	4 15	40 151	75 34

(1) 5,000 psi (345 bar) option available. Actual performance may vary based on system design, environment, and maintenance.

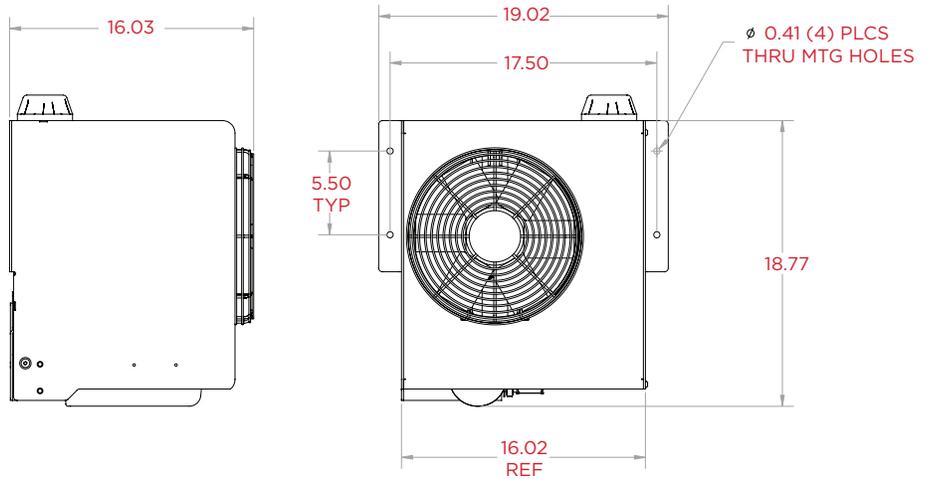


MH5

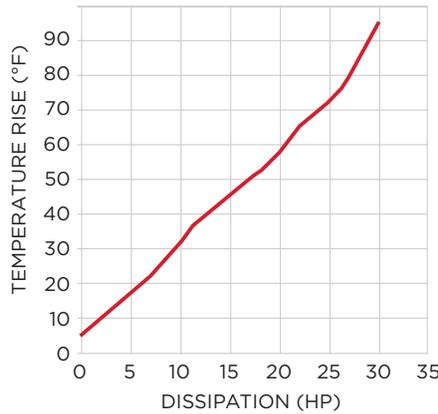
The MH5 Hydrapak is aimed for use in high horsepower and high flow mobile hydraulic drive systems. Operating with virtually no maintenance, this easy install system weighs hundreds of pounds less than a conventional reservoir type system.

Features & Benefits

- Durable, heavy-duty stainless steel mainframe
- Designed to withstand vibration, road shock, torsional and thermal stress
- Multi-ported design reduces the need for hoses, fitting & external connections



PERFORMANCE CHART
MH5 HYDRAPAK



Performance curve is for reference only. Actual performance may vary based on system design, environment, and maintenance.

DELIVERY: MH-5 HYDRAPAK



Model	Pressure PSI	Reservoir Size GALLONS	Flow Rate GPM	Dry Weight LBS
MH-5	up to 4500	4.4	60	94

MHX

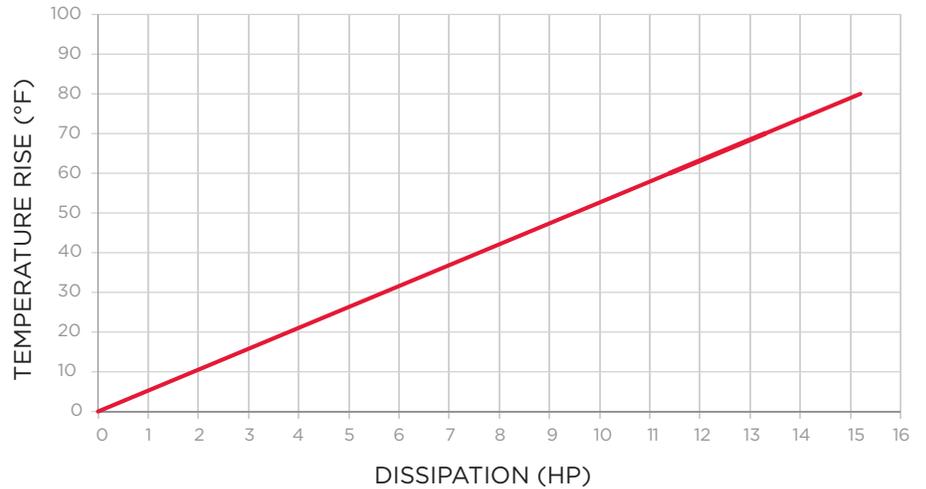
At 8.9" wide, the MHX is the smallest and most compact cooler in its class, allowing no additional space needed on the frame rail for cooling air flow

- No mounting bracket necessary for installation, meaning less weight

Maintenance & Installation Friendly

- Front hood easily removable for easy access to filter and oil fill
- Removable side panels for easy access to internal components
- Front mounted oil sight glass for easy viewing
- Flexibility mounting arrangement
- Allows for driver-side or passenger-side mounting

PERFORMANCE CURVE: MHX HYDRAPAK



DELIVERY: MHX HYDRAPAK

Model	Pressure PSI	Reservoir Size GALLONS	Flow Rate GPM	HP Cooled HEATED @ 80° F ΔT	Dry Weight* LBS
MHX	up to 5000	3.4	30	15.2	90

*Weight for 2500-3500 PSI units



DIMENSIONS: MHX HYDRAPAK

	INCHES
A	13.8
A'	18.4
B	8.9
C'	24.5

¹Includes fan and fan guard at bottom of unit.

Reservoir vs. Hydrapak®



RESERVOIR

Standard reservoir can weigh up to 500 lbs. when used with a 25 gpm pump

Reduced heat dissipation due to direct sun exposure & poor air circulation

Bulky design that requires significant frame rail space

Likelihood of large oil reservoir leak present, resulting in possible fines & clean-up costs

Ideal for systems using large displacement cylinders

Conventional reservoir design



HYDRAPAK®

The Hydrapak weighs less than 1/4 of a standard reservoir without compromising strength & rigidity

Even on the hottest days, the MH Series will keep a hydraulic circuit below recommended max temperature

Compact design that requires less space on the frame rail

Environmentally friendly, compact system - reducing carbon footprint & chance of a large oil spill

Ideal for systems using hydraulic motors and/or double acting cylinders (adaptation to reservoir system available)

State-of-the-art design aimed to compliment the design culture of today's trucks



Day to day, MH Series Hydrapak® weight-savings provides the operator a substantial benefit in terms of increased payload revenue.



Applications

Gardner Denver Provides Truck Builders & Operators a Variety of Installation Options

- Crude Oil Transports
- LP Gas Transports
- LP Gas Bobtails
- Food & Chemical Transports
- Bulk Feed
- Lube Trucks
- Maintenance Trucks
- Hydraulic Winch Drives
- Utility Equipment
- Agriculture Equipment
- Mining Equipment
- Water Trucks
- CO₂ Delivery Trucks
- Vacuum Trucks
- Live Floor



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An Extensive Network

By leveraging the extensive network of Gardner Denver factory-trained authorized local distributors, your sales, service, and technical support needs can be handled quickly and easily.



Full **Warranty**

Experience Peace of Mind

The engineering philosophy of Gardner Denver ensures long-lasting, reliable equipment. Our simple, but bold warranty programs demonstrate our belief in the quality found in Gardner Denver equipment.

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GDT-MH-FAM 4th Ed. 7/22

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