



Darley®

PUMPS

www.darley.com

1.800.4.DARLEY

TRUSTED WORLDWIDE SINCE 1908

DEMAND DARLEY

Darley Pumps are manufactured and tested to the highest International Standards. All Darley rated pumps have at least a 15% margin over their "advertised rating". This ensures that your pump performance will be there after years of reliable service. Portable pump performances may be +/- 10% of their advertised performance due to variation in engine performance. Darley's portable pump ratings are shown from a 5' lift condition, all other pumps are rated at a 10' lift condition, or at specified lift.

ISO 9001 CERTIFIED

Our Pump Division is registered as an ISO 9001:2008 Certified facility endorsed by Underwriters Laboratories Inc. Our commitment to quality and total customer satisfaction is second to none.

SALES AND SERVICE

We ship over 90% of all repair parts within 24 hours, and over 95% within 72 hours. Darley has sales and service facilities in all 50 states and in over 100 countries around the world. Customers can also attend Darley's Pump School, a free three-day comprehensive class, as well as a two-day CAFS Academy, immediately following.

ENGINEERED FOR LIFE

Darley engineers use the latest technology platforms such as ANSYS CFD, ProEngineer and AutoCAD to design our pumps. Pump drawings and curves for all of the pumps shown in this catalog can be downloaded at www.darley.com.

TRUSTED SINCE 1908

A LETTER FROM THE PRESIDENT

W.S. Darley & Co. is proud to have served the world's fire service for 105 years. Today Darley pumps can be found in service in over 125 countries around the world.



We are proud to bring you this 84-page pump catalog filled with a wide variety of high quality, highly efficient, and competitively priced pumps and CAFS. With over 300 pump models available, this catalog features our most popular selling pumps. From portable pumps to our new 3500 GPM industrial pumps, Darley has a pump for virtually any application. If we can assist you in finding a pump that's best for your application, please reach out to us.

Our portable and PTO pumps are the standard for demanding fire departments like the U.S. Forest Service, CalFire, the BLM – and even the Chinese National Fire Service. Darley midship pumps protect small communities and major cities in the USA and around the world.

While Darley pumps are primarily designed for rugged firefighting applications, they are also used in a variety of other applications. This is especially true since acquiring Ohler Pump Company in 2007.

Our P-100 Diesel Powered Portable Pump is the standard in the U. S. Navy, as well as more than 35 other Navies around the world. The U. S. Coast Guard standardizes on P-6 portable pumps which help save the lives of those on distressed vessels. The Darley LE600 and Ohler 125/150 pumps provide fuel transfer to our warfighters across the globe.

As an ISO 9001:2008 certified company, Darley's design and testing ensures quality prior to shipping and gives you the confidence that your pump will deliver years of reliable service. They are backed by the industry's longest warranty – 6 years.

Darley manufacturing and distribution facilities boast over 200,000 sq. feet in Chippewa Falls, WI, Janesville, IA and Itasca, IL.

We listen. Our sales and engineering teams offer prompt technical assistance and after over 100 years, you can still talk to a Darley family member. If we can ever be of assistance, please do not hesitate to contact us.

Sincerely,

Paul C. Darley
President & Chief Executive Officer
pauldarley@darley.com



"The Simple Truth About Darley Pumps Should Always Be An Adequate Recommendation."

W.S. Darley circa 1934



DARLEY FAMILY OF PUMPS

ENGINEERED FOR LIFE



GASOLINE PORTABLE PUMPS

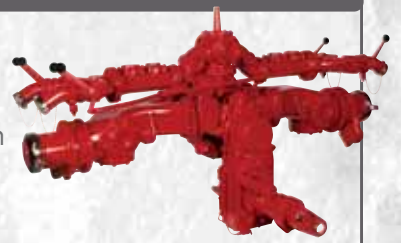
Darley Gasoline Portable Pump models are available with a wide variety of engines from Briggs & Stratton Vanguard, Honda, and Rotax.



PAGES 3 - 16

MIDSHIP MOUNTED PUMPS

Darley offers both manifolded and non-manifolded midship pumps with ratings from 5000 to 2000 gpm.



PAGES 51 - 56

DIESEL PORTABLE PUMPS

Darley Diesel Portable Pump models are available with a wide variety of engines from Yanmar, Kubota, Cummins, John Deere and Deutz.



PAGES 17 - 24

COMPRESSED AIR FOAM SYSTEMS

Darley offers the widest variety of CAFS on the market. Darley AutoCAFS™ and Odin CAFS provide the solution to all your CAFS needs.



PAGES 57 - 72

ENGINE DRIVEN PUMPS

Darley Engine Driven Pump models are available with a wide variety of engines from Cummins, Deutz, Ford, GMC, Kubota and John Deere.



PAGES 25 - 30

FAST ATTACK SKIDS / OHLER PUMPS

Ohler Pumps offers several Darley Fast Attack skid units in addition to the UHP-HV™ and high quality products for the Department of Defense.



PAGES 73 - 76

FRONT/REAR MOUNTED PUMPS

Darley continues to offer a wide variety of Front and Rear Mount pump configurations available with engines from Cummins, Deutz, Ford, GMC, Isuzu and John Deere.



PAGES 31 - 38

PUMP MODULES

Darley offers a large variety of Pump Modules from our compact Solution Series™ PTO driven Modules to Top-Mounted Midship Modules.



PAGES 77 - 80

PTO PUMPS

Darley has a wide variety of PTO and hydraulically driven pumps with flows up to 1500 gpm ideal for pump and roll applications.



PAGES 39 - 50

PUMP ACCESSORIES

Darley has a wide variety of pump accessories such as control panels, adapters, mechanical seals, primers, valves, gauges and more.



PAGES 81 - 84



DARLEY PUMP

BENEFITS & FEATURES



**LDM MIDSHIP
SINGLE STAGE PUMP**
NFPA RATINGS
1000-1250-1500-1750 GPM



AutoCool™ and
MagnaTrans™



SELF-LOCKING DISCHARGE VALVES
Stainless steel ball valves stay secure in the position you choose



LDMH HIGH PRESSURE OPTION
Add to most Darley pumps for pressures up to 600 psi



DISCHARGE RELIEF VALVE
Automatically activates valves up to 800 psi



AUTOCONTROL™ GOVERNOR
Regulates pump pressure and monitors essential engine vital signs



FLUID-LESS PRIMER
Positive displacement rotary vane vacuum pump for 20' - 28' suction lifts



OVERHEAT PROTECTION SYSTEM
Stainless steel and brass temperature relief system



INJECTION PACKING
Minimize friction, heat generation and apparatus down-town



VACUUM CAST IMPELLER
Durable and efficient, balanced to fit a 10-splined stainless steel pump



DISCHARGE CHECK VALVE
Prime pumps with discharge gates open and caps removed for rapid water deployment



MECHANICAL SEAL
Extremely hard and heat dissipative silicon carbide stationary face



IMPELLER SHAFTS
Incorporates SAE 10-tooth spline for exceptional durability



BUTTERFLY VALVES
Behind-the-panel butterfly valves available in manual or electric



GASOLINE PORTABLE PUMPS



Darley Gasoline Portable Pump models are available with a wide variety of engines from Briggs & Stratton Vanguard, Honda, and Rotax.

DAVEY PUMPS

Our Davey Pump line offers a very economical and high quality solution to many firefighting applications. From private homes and ranches, to fire departments around the world, our Davey line up is sure to meet your budget and deliver a high performance, compact package.

AGE PUMPS

The AGE Series is our high-pressure, gear-driven line of pumps. The 1 $\frac{1}{4}$ AGE pumps are our highest pressure portables, 1 $\frac{1}{2}$ AGE is our most popular pump offering high pressures with medium flows and the 2 $\frac{1}{2}$ AGE offers the widest range of pressures and flows. The AGE includes a two-gear speed increasing gear box to help us attain these high pressures.

2BE PUMPS

The 2BE Series is our versatile, high-volume, medium-pressure line of pumps. This series of pumps offers a wide range of flow and pressures to meet both firefighting and relay pumping operations. 2BE pumps are direct drive and coupled directly to engines and allow us the ability to offer flows up to 400 gpm and pressures needed for firefighting.

HE PUMPS

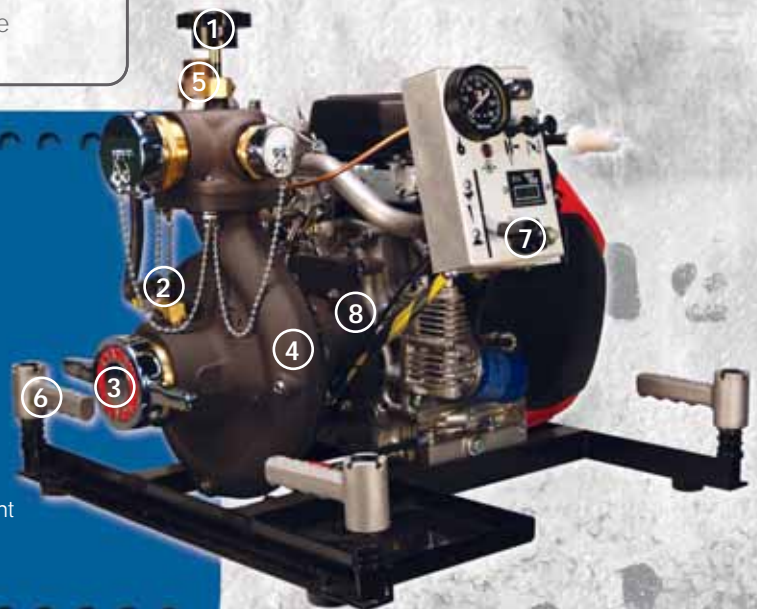
The HE Series is our highest-volume, lowest-pressure line of pumps with flows in excess of 500 gpm. These direct drive pumps are ideal for filling tankers or other large-volume applications.

PUMP	PAGE
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MOST MODELS
IN STOCK FOR
IMMEDIATE DELIVERY

FEATURES THAT SET DARLEY PUMPS APART

1. Easy to operate discharge valve with integrated check valve allows pump to be primed with discharge valves open
2. Exhaust primer allows pump to be primed with lifts up to 22'
3. Optional Darley chrome caps and brass adapters
4. Hard coated anodized pump cases are standard on most portable pumps
5. 1 $\frac{1}{2}$ " NPT vented exhaust
6. Easily stowed carrying handles with ergonomic grips
7. Wide variety of control panels available including pressure gauges, wireless controls, remote priming, start button, kill switch and light
8. All portable pumps come standard with mechanical seals, injection packing is optional at no additional charge.



DAVEY PORTABLE PUMPS

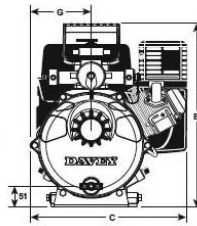
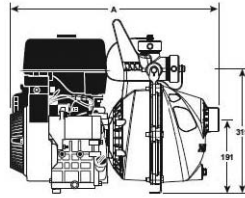
Affordable, Portable, Engine-Driven Self-Priming

IN STOCK FOR
IMMEDIATE DELIVERY

The Darley® Davey pumps, also known as the “affordable portables,” are the most economical choice in portable, high-efficiency pumps. Their compact design makes them ideal for a variety of applications such as firefighting, tank filling and water transfers.

DIMENSIONS

Cat#	A	B	C	D	E
AK312	20.1"	15.3"	14.8"	6.7"	11.7"
AK302	17.5"	15.3"	15.3"	6.7"	11.7"
AK300	23.8"	15.3"	15.6"	6.7"	11.7"
AK304	20.3"	15.3"	15.3"	6.7"	11.7"
AK308	21.4"	17.7"	17.1"	7.5"	12.6"
AK301	22"	17.7"	16.8"	7.5"	12.6"
AK313	25"	19.5"	18.5"	7.9"	13"
AK305	22.9"	18.7"	18.0"	7.5"	12.6"
AK306	22.4"	17.5"	17.9"	7.5"	12.6"



DESIGN FEATURES

- Marine-grade aluminum casing
- 3-way discharge port with 1 - 1.5" NPTM, 2 - 1" NPTM
- 1.5" NPTM suction
- Zinc-plated casing bolts
- Mechanical shaft seal
- Nitrile rubber seal and casing “O” rings
- Self-priming up to 19'
- Easy installation
- Compact & lightweight
- High pumping efficiency
- Low oil protection

5.5 & 6.5 HP SINGLE-STAGE

FEATURES

- 5.5 & 6.5 HP Honda and Briggs & Stratton OHV Vanguard with recoil start
- Spark arrestor/exhauster diverter

PERFORMANCE

95 gpm (378 L/M) @ 39 psi (2.7 bar)
60 gpm (227 L/M) @ 70 psi (4.8 bar)
20 gpm (76 L/M) @ 90 psi (6.2 bar)

WEIGHT

- 49 lbs. (22 kg)

AK312	6.5 HP Briggs & Stratton OHV Vanguard with Recoil Start
AK302	5.5 HP Honda OHV with Recoil Start



5.5 & 6.5 HP TWO-STAGE

FEATURES

- 5.5 & 6.5 HP Honda and Briggs & Stratton OHV Vanguard with recoil start
- Spark arrestor/exhauster diverter

PERFORMANCE

65 gpm (246 L/M) @ 48 psi (3.3 bar)
50 gpm (189 L/M) @ 81 psi (5.6 bar)
20 gpm (76 L/M) @ 120 psi (9.0 bar)

WEIGHT

- 60 lbs. (27 kg)

AK300	6.5 HP Briggs & Stratton OHV Vanguard
AK304	5.5 HP Honda OHV with Recoil Start



9 & 10 HP TWO-STAGE

FEATURES

- 9 HP Honda and 10 HP Briggs & Stratton OHV Vanguard or Yanmar Diesel with electric start and recoil backup
- Spark arrestor/exhauster diverter

PERFORMANCE

120 gpm (454 L/M) @ 36 psi (2.5 bar)
 95 gpm (378 L/M) @ 83 psi (5.7 bar)
 60 gpm (227 L/M) @ 118 psi (8.1 bar)
 20 gpm (76 L/M) @ 144 psi (9.9 bar)

WEIGHT

- 80 lbs. (36 kg)

AK308	9 HP Honda Two-Stage
AK301	10 HP Briggs & Stratton OHV Vanguard
AK313	10 HP Yanmar Diesel Two-Stage



AK301

13 HP TWO-STAGE

FEATURES

- 13 HP Honda and Briggs & Stratton with electric start and recoil backup
- Spark arrestor/exhauster diverter

PERFORMANCE

120 gpm (454 L/M) @ 40 psi (2.8 bar)
 95 gpm (378 L/M) @ 108 psi (7.4 bar)
 60 gpm (227 L/M) @ 133 psi (9.2 bar)
 20 gpm (76 L/M) @ 146 psi (10.0 bar)

WEIGHT

- 92 lbs. (42 kg)

AK305	13 HP Briggs & Stratton
AK306	13 HP Honda Two-Stage

ACCESSORIES

BE078	Automatic Pressure Relief Valve Kit
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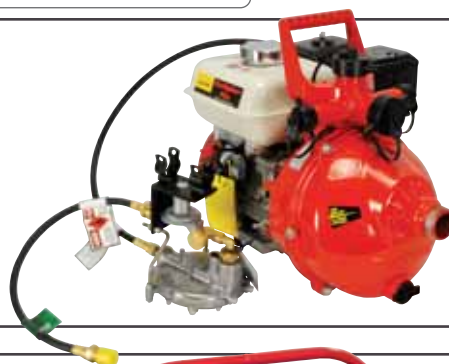
AK306

BE078

OPTIONAL PROPANE CONVERSION KIT

Ideal for applications such as homeowners and ranchers. Allows you to power your pump from standard propane cylinders for long-lasting runtimes.

JD001	Optional Propane Conversion Kit
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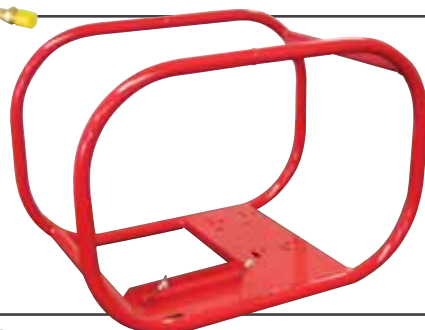
OPTIONAL ROLL CAGE

DIMENSIONS

30" x 19" x 21"

Pre-drilled powder-coated roll cage with battery tray fits all gasoline-driven Davey Firefighter pumps.

AK310	Optional Pump Roll Cage with Battery Tray
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10.5 HP FLOATING PUMPS

HEF 10.5BS DOLPHIN™

Dolphin Floating Pump, Hi-Volume, Self Priming

HIGHEST VOLUME FLOATING PUMP ON THE MARKET

Take advantage of streams, ponds, swimming pools, and hard-to-reach sources of water. This lightweight pump is easily carried by two people through even the roughest terrain. Its clean compact design allows you to store it in most standard-size compartments.

ENGINE

Briggs & Stratton: 10.5 HP single cylinder, 4 cycle, 2 qt. fuel tank, recoil rope start

DIMENSIONS

33"L x 30"W x 20"H, 110 lbs. (50 kg)

APPLICATIONS

- Booster Tank Fill
- Transfer and Supply

FEATURES

- Hard anodized aluminum alloy pump casing
- Bronze impeller
- 4" screened suction inlet
- 2½" NH discharge

PERFORMANCE

390 gpm (1450 L/M) @ 20 psi (1.4 bar)
 250 gpm (946 L/M) @ 40 psi (2.8 bar)
 200 gpm (757 L/M) @ 45 psi (3.1 bar)
 100 gpm (378 L/M) @ 60 psi (4.1 bar)



WORKS IN AS LITTLE AS 6" OF WATER

11 HP FLOATING PUMPS

HEF 11H DOLPHIN™

Dolphin Floating Pump, Hi-Volume, Self Priming

ENGINE

Honda GXV390: OHV engine 3/4 gallon fuel tank, recoil rope start

DIMENSIONS

33"L x 30"W x 20"H, 120 lbs. (54 kg)

APPLICATIONS

- Booster Tank Fill
- Transfer and Supply

FEATURES

- Honda GXV390
- Hard anodized aluminum alloy pump casing
- Bronze impeller
- 4" screened suction inlet
- 2½" NH discharge
- 2011 Carb Compliant

PERFORMANCE

390 gpm (1476 L/M) @ 20 psi (1.3 bar)
 250 gpm (946 L/M) @ 46 psi (3.2 bar)
 200 gpm (757 L/M) @ 50 psi (3.4 bar)
 50 gpm (189 L/M) @ 65 psi (4.4 bar)



4 HP PORTABLE PUMPS

Portable Damage Control CGP1 Pump
(US Coast Guard P1) NSN 4320-01-HS2-3093

High Volume, Direct Drive, Engine Mounted

CHOICE OF THE
U.S. COAST GUARD



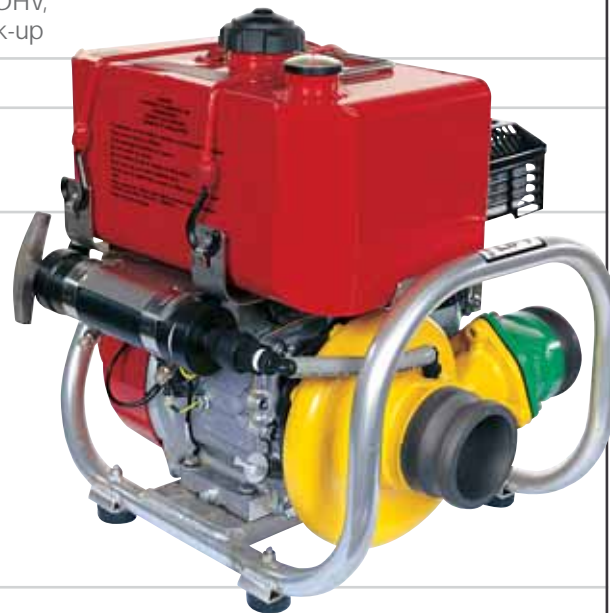
ENGINE	Honda Model GX120: 4 HP
DIMENSIONS	<ul style="list-style-type: none"> • 18"W x 14"D x 18"H • 50 lbs. (23 kg) • Pump, hoses and fuel tanks shipped in A528 drum
APPLICATIONS	<ul style="list-style-type: none"> • Dewatering • Transfer and Supply
FEATURES	<ul style="list-style-type: none"> • 15' suction hose with strainer • 20' discharge hose with check valve • 2" suction port • 3" discharge port • Cradle pump base • Manual diaphragm priming pump
OPTIONS	<ul style="list-style-type: none"> • Hose Accessory Kit
PERFORMANCE	120 gpm (454 L/M) @ 5' suction lift

6.5 HP PORTABLE PUMPS

2BE 6.5H HCG Pump (U.S. Coast Guard P6)
NSN 4320-01-470-5515

Medium Pressure, High Volume, Direct Drive,
Engine Mounted

CHOICE OF THE
U.S. COAST GUARD



ENGINE	Honda Model GX200: Air-cooled 4 stroke OHV, single cylinder, 6.5 HP, recoil rope start back-up
DIMENSIONS	18"L x 16"W x 19"H, 49 lbs. (22 kg)
APPLICATIONS	<ul style="list-style-type: none"> • Dewatering • Light Duty Brush Truck • Transfer and Supply
FEATURES	<ul style="list-style-type: none"> • Air cooled 4-stroke OHV • Single-cylinder • Horizontal shaft • 6.5 HP (4.8kW 3600 rpm) max • Torque 1.35kg-m/2,500 rpm • Transistorized pointless ignition system • Recoil starting system • Fuel tank capacity 6 qt. • Dual silent air cleaner • 2011 Carb and EPA Compliant • 3" cam lock suction • 3" cam lock discharge
OPTIONS	<ul style="list-style-type: none"> • Discharge hose • Container and cover • Adapters • Suction hose with strainer • Contact Darley for Coast Guard model specifications
PERFORMANCE	<p>275 gpm (1040 L/M) @ 12 psi (0.8 bar)</p> <p>175 gpm (662 L/M) @ 28 psi (1.9 bar)</p> <p>100 gpm (378 L/M) @ 45 psi (3.1 bar)</p>

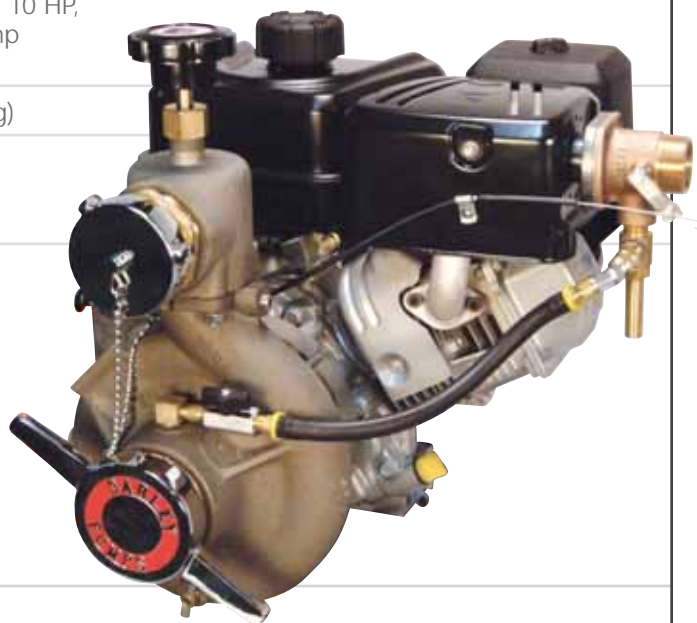


10 HP PORTABLE PUMPS

2BE 10V

Medium Pressure, High Volume, Direct Drive,
Engine Mounted

ENGINE	Briggs & Stratton: 305CC Vanguard 10 HP, 4 qt. fuel tank, 12-volt starter, 10 amp alternator, recoil rope start back-up
DIMENSIONS	26"L x 21"W x 20"H, 140 lbs. (64 kg)
APPLICATIONS	<ul style="list-style-type: none"> • Dewatering • Light Duty Brush Truck • Transfer and Supply
FEATURES	<ul style="list-style-type: none"> • Hard anodized aluminum casing and discharge valve • Bronze impeller • Mechanical seal • Exhaust primer • Fold-away carrying handles • Built-in discharge check valve • Adjustable discharge valve • Adjustable throttle • 3" NPTM suction • 2½" NPT discharge
OPTIONS	<ul style="list-style-type: none"> • Discharge hose • Gauge, battery, adapters and caps
PERFORMANCE	250 gpm (1533 L/M) @ 15 psi (1.0 bar) 150 gpm (567 L/M) @ 50 psi (3.4 bar) 50 gpm (189 L/M) @ 95 psi (6.6 bar)



13 HP PORTABLE PUMPS

1-1/4AGE 13V-TWIN

High Pressure, Low Volume, Gear Driven,
Engine Mounted

ENGINE	Briggs & Stratton Vanguard: 13 HP, V-twin, 8.35 qt. gas tank, 12-volt starter, 16 amp regulated alternator, recoil rope start back-up
DIMENSIONS	27"L x 21"W x 23"H, 145 lbs. (66 kg)
APPLICATIONS	<ul style="list-style-type: none"> • Light Duty Brush Trucks • Booster Tank Fill • Transfer and Supply
FEATURES	<ul style="list-style-type: none"> • Electric start with recoil rope back up • Exhaust primer, bronze impeller and wear rings • Stainless steel shaft • Discharge head with check valve • Base with fold away carrying handles • Aluminum alloy gear case and engine adapter • Heat treated alloy steel helical gears • Adjustable throttle • 1½" NPT suction • 2-1½" NPT discharges
OPTIONS	<ul style="list-style-type: none"> • Gauge, battery, adapters and caps
PERFORMANCE	60 gpm (227 L/M) @ 170 psi (11.7 bar) 40 gpm (151 L/M) @ 230 psi (15.8 bar) 20 gpm (76 L/M) @ 275 psi (19 bar)

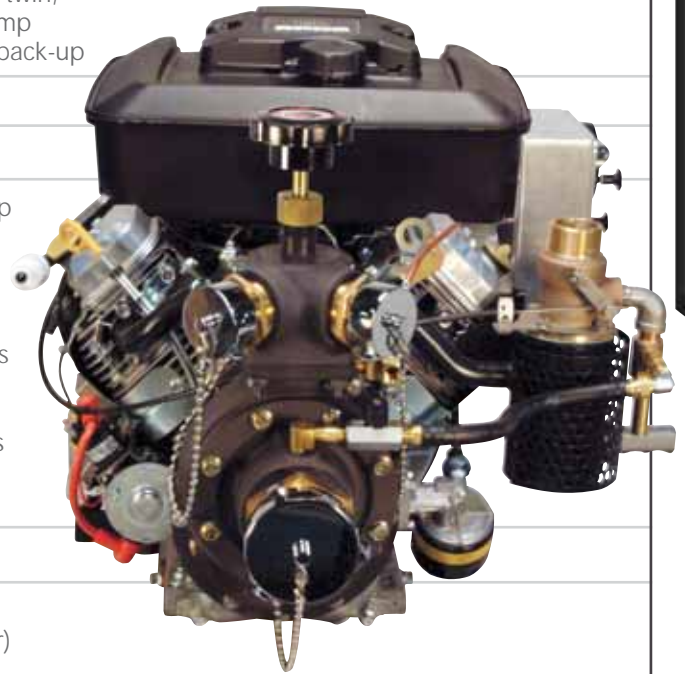


13 HP PORTABLE PUMPS

1-1/2AGE 13V-TWIN

Medium Pressure, Medium Volume, Gear Driven, Engine Mounted

ENGINE	Briggs & Stratton Vanguard: 13 HP, V-twin, 8.35 qt. gas tank, 12-volt starter, 16 amp regulated alternator, recoil rope start back-up
DIMENSIONS	27"L x 21"W x 23"H, 145 lbs. (66 kg)
APPLICATIONS	<ul style="list-style-type: none"> • Light Duty Brush Trucks
FEATURES	<ul style="list-style-type: none"> • Electric start with recoil rope back up • Exhaust primer, bronze impeller and wear rings • Stainless steel shaft • Discharge head with check valve • Base with fold away carrying handles • Aluminum alloy gear case and engine adapter • Heat treated alloy steel helical gears • 2" NPT suction / 2 - 1.5" NPT or 1 - 2.5" NPT discharge
OPTIONS	<ul style="list-style-type: none"> • Gauge, battery, adapters and caps
PERFORMANCE	<p>120 gpm (454 L/M) @ 80 psi (5.5 bar)</p> <p>100 gpm (378 L/M) @ 110 psi (7.6 bar)</p> <p>20 gpm (76 L/M) @ 185 psi (12.8 bar)</p>



13 HP PORTABLE PUMPS

2BE 13V-TWIN

Medium Pressure, High Volume, Direct Drive, Engine Mounted

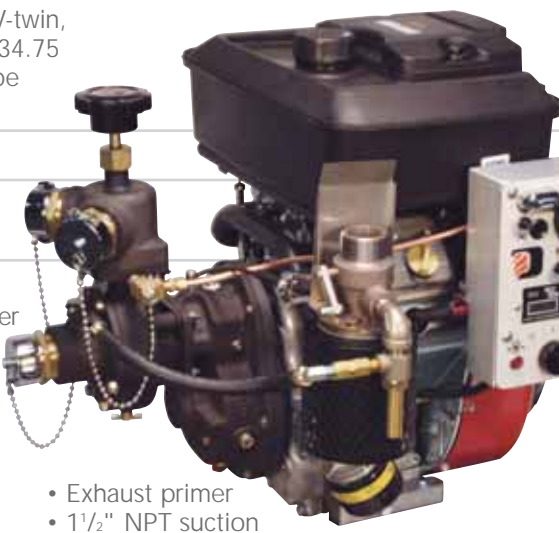
ENGINE	Briggs & Stratton Vanguard: 13 HP, V-twin, 8.35 qt. gas tank, 12-volt starter, 16 amp alternator, recoil rope start back-up
DIMENSIONS	27"L x 21"W x 23"H, 145 lbs. (66 kg)
APPLICATIONS	<ul style="list-style-type: none"> • Light Duty Brush Trucks • Booster Tank Fill • Transfer and Supply
FEATURES	<ul style="list-style-type: none"> • Electric start with recoil rope back up • Exhaust primer, bronze impeller and wear rings • Stainless steel shaft • Discharge head with check valve • Base with fold away carrying handles • Aluminum alloy gear case and engine adapter • Heat treated alloy steel helical gears • 3" NPT suction • 2 1/2" NPT discharge
OPTIONS	<ul style="list-style-type: none"> • Gauge, battery, adapters and caps
PERFORMANCE	<p>300 gpm (1135 L/M) @ 15 psi (1 bar)</p> <p>150 gpm (567 L/M) @ 75 psi (5.8 bar)</p> <p>80 gpm (302 L/M) @ 100 psi (6.9 bar)</p>



18 HP PORTABLE PUMPS

1-1/4AGE 18V

High Pressure, Low Volume, Gear Driven, Engine Mounted

ENGINE	Briggs & Stratton Vanguard: 4 cycle, 18 HP, V-twin, OHV, 8.35 qt. fuel tank, replaceable oil filter, 34.75 cu. in. displacement, 12-volt starter, recoil rope start back-up, 16 amp regulated alternator	
DIMENSIONS	27"L x 21"W x 25"H, 145 lbs. (66 kg)	
APPLICATIONS	<ul style="list-style-type: none"> • Booster Reel • Wildland/Attack Fire Suppression 	
FEATURES	<ul style="list-style-type: none"> • Aluminum alloy casing and discharge valve • Aluminum alloy gear case and engine adapter • Bronze impeller and seal ring • Stainless steel impeller shaft • Mechanical seal • Heat treated alloy steel helical gears • Ball bearing construction pump and engine • Built-in discharge check valve • Adjustable discharge valve • Fold-away carrying handles 	
OPTIONS	<ul style="list-style-type: none"> • Deluxe control panel, battery, adapters and caps 	
PERFORMANCE	<p>60 gpm (227 L/M) @ 230 psi (15.9 bar)</p> <p>40 gpm (151 L/M) @ 315 psi (21.7 bar)</p> <p>20 gpm (76 L/M) @ 360 psi (24.8 bar)</p>	

- Exhaust primer
- 1 1/2" NPT suction
- 2-1 1/2" NPT or 1-2 1/2" NPT discharges

18 HP PORTABLE PUMPS

1-1/2AGE 18V

High Pressure, Medium Volume, Gear Driven, Engine Mounted

ENGINE	Briggs & Stratton Vanguard: 4 cycle, 18 HP, V-twin, OHV, replaceable oil filter, 34.75 cu. in. displacement, 12-volt starter, recoil rope start back-up, 16 amp regulated alternator, 8.35 qt. fuel tank	
DIMENSIONS	27"L x 21"W x 25"H, 145 lbs. (66 kg)	
APPLICATIONS	<ul style="list-style-type: none"> • Booster Reel • Multiple Hand Lines • Wildland/Attack Fire Suppression 	
FEATURES	<ul style="list-style-type: none"> • Aluminum alloy casing and discharge valve • Aluminum alloy gear case and engine adapter • Bronze impeller and seal ring • Stainless steel impeller shaft • Mechanical seal • Heat treated alloy steel helical gears • Ball bearing construction pump and engine • Built-in discharge check valve 	
OPTIONS	<ul style="list-style-type: none"> • Gauge, battery, adapters and caps 	
PERFORMANCE	<p>120 gpm (454 L/M) @ 130 psi (9.0 bar)</p> <p>100 gpm (757 L/M) @ 170 psi (11.7 bar)</p> <p>50 gpm (189 L/M) @ 250 psi (17.2 bar)</p>	

Meets ISO Class 9 Performance Ratings

- Adjustable discharge valve
- Exhaust primer
- 2" NPT suction
- 2-1 1/2" NPT or 1-2 1/2" NPT discharges

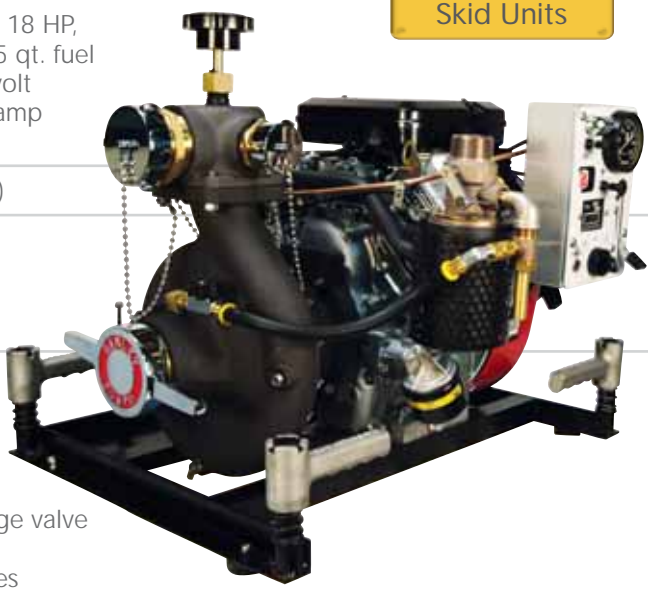


18 HP PORTABLE PUMPS

2BE 18V

Medium Pressure, High Volume, Direct Drive, Engine Mounted

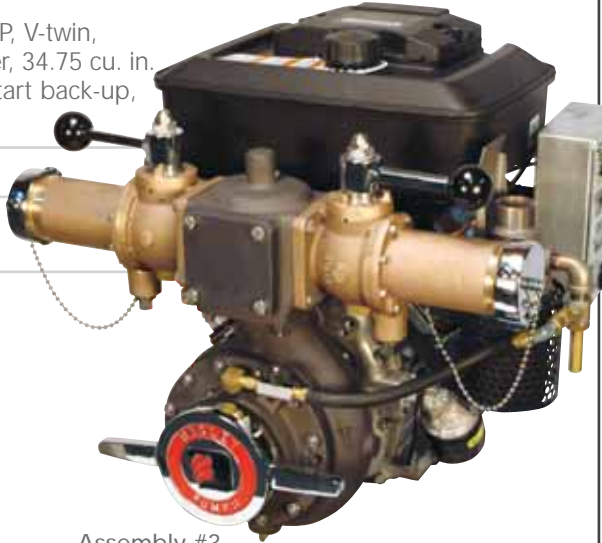
Ideal for Skid Units

ENGINE	Briggs & Stratton Vanguard: 4 cycle, 18 HP, V-twin, OHV, replaceable oil filter, 8.35 qt. fuel tank, 34.75 cu. in. displacement, 12-volt starter, recoil rope start back-up, 16 amp regulated alternator	
DIMENSIONS	27" L x 21" W x 25" H, 145 lbs. (66 kg)	
APPLICATIONS	<ul style="list-style-type: none"> • Booster Reel • Multiple Hand Lines • Transfer and Supply • Wildland/Attack Fire Suppression 	
FEATURES	<ul style="list-style-type: none"> • Bronze impeller and seal ring • Stainless steel impeller shaft • Mechanical seal • Built-in discharge check valve • Adjustable discharge valve • Aluminum alloy casing and discharge valve • 3" NPT suction • 2-1/2" NPT or 1-2/2" NPT discharges 	
OPTIONS	<ul style="list-style-type: none"> • Gauge, battery, adapters and caps 	
PERFORMANCE	<p>375 gpm (1419 L/M) @ 25 psi (1.7 bar)</p> <p>300 gpm (1136 L/M) @ 45 psi (3.1 bar)</p> <p>100 gpm (378 L/M) @ 140 psi (9.7 bar)</p>	

18 HP PORTABLE PUMPS

HE 18V

Low Pressure, High Volume, Direct Drive, Engine Mounted

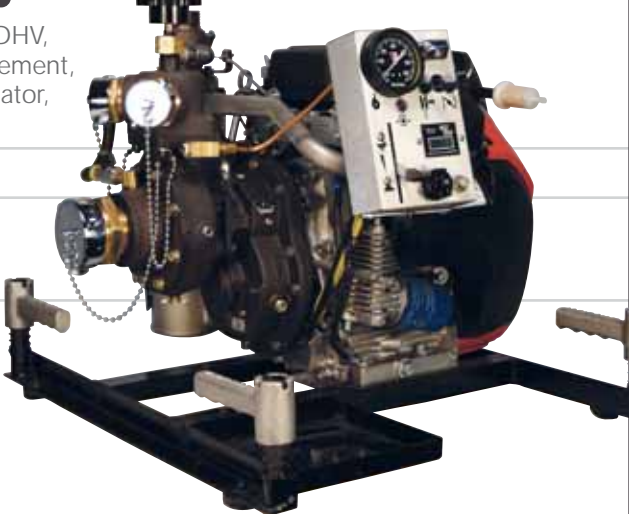
ENGINE	Briggs & Stratton Vanguard: 4 cycle, 18 HP, V-twin, OHV, 8.35 qt. fuel tank, replaceable oil filter, 34.75 cu. in. displacement, 12-volt starter, recoil rope start back-up, 16 amp regulated alternator	
DIMENSIONS	27" L x 21" W x 25" H, 215 lbs. (98 kg)	
APPLICATIONS	<ul style="list-style-type: none"> • Booster Reel • Transfer and Supply 	
FEATURES	<p>Assembly #1</p> <ul style="list-style-type: none"> • Aluminum alloy casing • Bronze impeller and seal ring • Stainless steel impeller shaft • Mechanical seal • Exhaust primer • Built-in discharge check valve • 4" NPT suction • 3" NPT discharge <p>Assembly #2</p> <ul style="list-style-type: none"> • 4" NH suction and screen • 1-2/2" and 2-1/2" NPT discharge head with check valve <p>Assembly #3</p> <ul style="list-style-type: none"> • Built-in discharge check valve • 4" NH suction and screen • 2-1/2" NH discharges, 1/4 turn, ball, self-locking, bronze valves 	
OPTIONS	<ul style="list-style-type: none"> • Gauge, battery, adapters and caps 	
PERFORMANCE	<p>520 gpm (1968 L/M) @ 15 psi (1.0 bar)</p> <p>300 gpm (1135 L/M) @ 55 psi (3.7 bar)</p> <p>100 gpm (378 L/M) @ 70 psi (4.7 bar)</p>	



21 HP PORTABLE PUMPS

1-1/2AGE 21H

High Pressure, Low Volume, Gear Driven, Engine Mounted

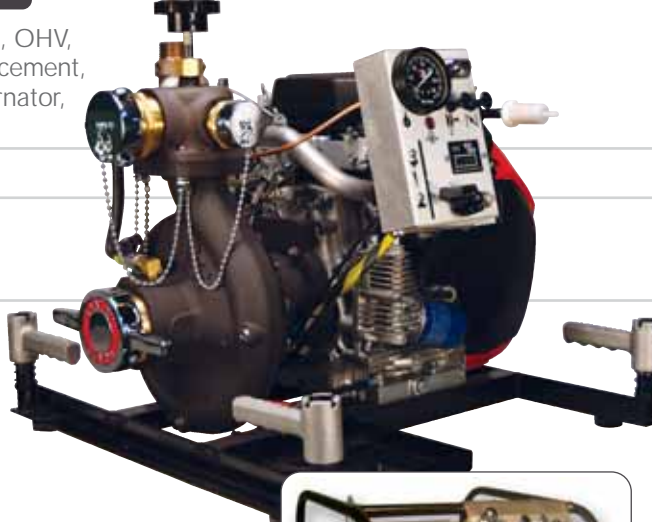
ENGINE	Honda GX 630: 4 cycle, 21 HP, V-twin, OHV, replaceable oil filter, 38.5 cu. in. displacement, 12-volt starter, 20 amp regulated alternator, 6 gal. fuel tank, hose and adapter	
DIMENSIONS	24"L x 24"W x 23"H, 145 lbs. (66 kg)	
APPLICATIONS	<ul style="list-style-type: none"> • Booster Reel • Multiple Hand Lines • Wildland/Attack Fire Suppression 	
FEATURES	<ul style="list-style-type: none"> • Aluminum alloy casing • Discharge valve • Sulfuric anodized aluminum alloy gear case and engine adapter • Bronze impeller and wear ring • Stainless steel impeller shaft • Mechanical seal • Built-in discharge check valve • Adjustable discharge valve • Exhaust primer 	
OPTIONS	• Gauge, battery, adapters and caps	
PERFORMANCE	120 gpm (454 L/M) @ 155 psi (10.7 bar) 75 gpm (284 L/M) @ 230 psi (15.9 bar) 35 gpm (95 L/M) @ 300 psi (21.7 bar)	

- 2" NPT suction
- 2-1/2" NPT or 1-2 1/2" NPT discharge

21 HP PORTABLE PUMPS

2BE 21H

Medium Pressure, High Volume, Direct Drive, Engine Mounted

ENGINE	Honda GX 630: 4 cycle, 21 HP, V-twin, OHV, replaceable oil filter, 38.5 cu. in. displacement, 12-volt starter, 20 amp regulated alternator, 6 gal. fuel tank, hose and adapter	
DIMENSIONS	24"L x 27"W x 22"H, 190 lbs. (86 kg)	
APPLICATIONS	<ul style="list-style-type: none"> • Booster Tank Fill • Multiple Hand Lines • Wildland/Attack Fire Suppression 	
FEATURES	<ul style="list-style-type: none"> • Aluminum alloy casing • Discharge valve • Sulfuric anodized aluminum alloy gear case and engine adapter • Bronze impeller and wear ring • Mechanical seal • Built-in discharge check valve • Adjustable discharge valve • Exhaust primer • 3" NPT suction • 1-2 1/2" NPT and 2-1 1/2" NPT or 1-2 1/2" NPT discharge 	
OPTIONS	<ul style="list-style-type: none"> • 2BE 21H marine pump also available • Gauge, battery, adapters and caps 	
PERFORMANCE	380 gpm (1438 L/M) @ 25 psi (1.7 bar) 150 gpm (568 L/M) @ 115 psi (7.9 bar) 100 gpm (378 L/M) @ 135 psi (9.3 bar)	



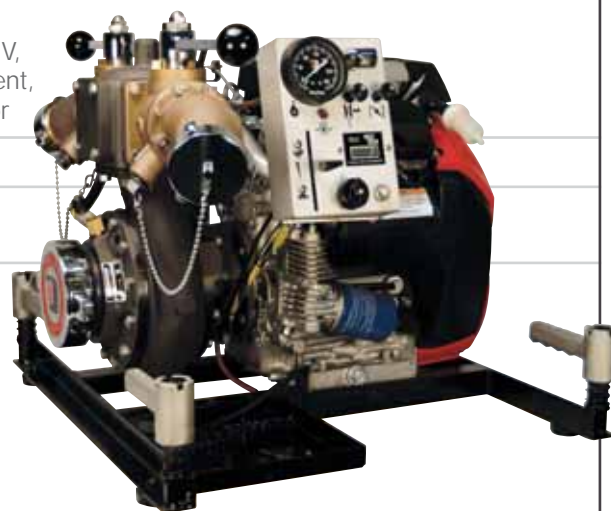
2BE 21H MARINE



21 HP PORTABLE PUMPS

HE 21H

Low Pressure, High Volume, Direct Drive, Engine Mounted



Assembly #3
 • 4" NH suction and screen
 • 2-1 1/2" NH discharges, 1/4 turn, ball, self-locking, bronze valves

ENGINE	Honda GX 630: 4 cycle, 21 HP, V-twin, OHV, replaceable oil filter, 38.5 cu. in. displacement, 12-volt starter, 20 amp regulated alternator
DIMENSIONS	24" L x 24" W x 23" H, 215 lbs. (98 kg)
APPLICATIONS	<ul style="list-style-type: none"> • Booster Reel • Transfer and Supply
FEATURES	<p>Assembly #1</p> <ul style="list-style-type: none"> • Hard anodized aluminum alloy casing • Bronze impeller and seal ring • Stainless steel impeller shaft • Ceramic coating through stuffing box • Shredded plastallic packing • Fold-away carrying handles • 4" NPT suction • 3" NPT discharge <p>Assembly #2</p> <ul style="list-style-type: none"> • 4" NH suction and screen • 1-2 1/2" and 2-1 1/2" NPT discharge head
OPTIONS	<ul style="list-style-type: none"> • Gauge, battery, adapters and caps
PERFORMANCE	<p>535 gpm (1987 L/M) @ 20 psi (1.4 bar)</p> <p>320 gpm (1211 L/M) @ 60 psi (4.1 bar)</p> <p>100 gpm (378 L/M) @ 70 psi (4.8 bar)</p>

23 HP PORTABLE PUMPS

1-1/2AGE 23V

High Pressure, Medium Volume, Gear Driven, Engine Mounted

AVAILABLE WITH HIGH PRESSURE IMPELLER



• 2" NPT suction
 • 2-1 1/2" NPT discharge

ENGINE	Briggs & Stratton Vanguard: 4 cycle, 23 HP, V-twin, OHV, replaceable oil filter, 12-volt starter, recoil rope start back-up, 16 amp regulated alternator, 6 gal. fuel tank, hose and adapter
DIMENSIONS	24" L x 21" W x 24" H, 180 lbs. (82 kg)
APPLICATIONS	<ul style="list-style-type: none"> • Multiple Hand Lines • Wildland/Attack Fire Suppression
FEATURES	<ul style="list-style-type: none"> • Hard anodized aluminum alloy casing and discharge valve • Sulfuric anodized aluminum alloy gear case and engine adapter • Bronze impeller and wear ring • Mechanical seal • Heat treated alloy steel helical gears • Built-in discharge check valve • Adjustable discharge valve • Exhaust primer
OPTIONS	<ul style="list-style-type: none"> • Gauge, battery, adapters and caps
PERFORMANCE	<p>1-1/2AGE23V</p> <p>120 gpm (454 L/M) @ 145 psi (10.0 bar)</p> <p>50 gpm (189 L/M) @ 255 psi (17.6 bar)</p> <p>20 gpm (76 L/M) @ 265 psi (18.2 bar)</p>


Optional 1-1/2AGE23V High Pressure Pressures up to 410
 100 gpm (378 L/M) @ 150 psi (10 bar)
 70 gpm (264 L/M) @ 215 psi (14 bar)
 20 gpm (75 L/M) @ 365 psi (25 bar)
 10 gpm (37 L/M) @ 390 psi (26 bar)



23 HP PORTABLE PUMPS

2-1/2AGE 23V

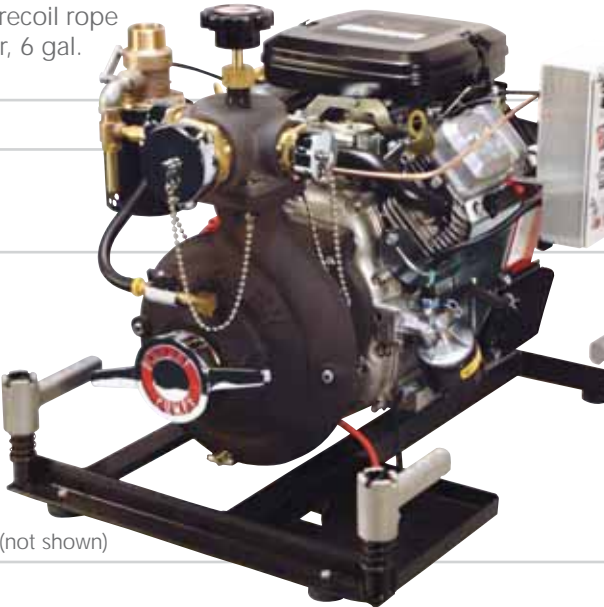
High Pressure, High Volume, Gear Driven, Engine Mounted

ENGINE	Briggs & Stratton Vanguard: 4 cycle, 23 HP, V-twin, OHV, replaceable oil filter, 12-volt starter, recoil rope start back-up, 16 amp regulated alternator, 6 gal. fuel tank		
DIMENSIONS	24" L x 21" W x 24" H, 190 lbs. (86 kg)		
APPLICATIONS	<ul style="list-style-type: none"> • Booster Reel • Multiple Hand Lines • Wildland/Attack Fire Suppression 		
FEATURES	<ul style="list-style-type: none"> • Hard anodized aluminum alloy casing and discharge valve • Sulfuric anodized aluminum alloy gear case and engine adapter • Bronze impeller and wear ring • Stainless steel impeller shaft • Mechanical seal • Helical gears • Discharge check valve and adjustable discharge valve • Throttle • Exhaust primer 		<ul style="list-style-type: none"> • 2 1/2" NPT suction • 1-2 1/2" NPT and 2-1 1/2" NPT discharges
OPTIONS	<ul style="list-style-type: none"> • Gauge, battery, adapters and caps 		
PERFORMANCE	<p>290 gpm (1097 L/M) @ 45 psi (3.1 bar)</p> <p>100 gpm (378 L/M) @ 135 psi (9.3 bar)</p> <p>50 gpm (189 L/M) @ 175 psi (12.0 bar)</p>		

23 HP PORTABLE PUMPS

2BE 23V

Medium Pressure, High Volume, Direct Drive, Engine Mounted

ENGINE	Briggs & Stratton Vanguard: 4 cycle, 23 HP, V-twin, OHV, replaceable oil filter, 12-volt starter, recoil rope start back-up, 16 amp regulated alternator, 6 gal. fuel tank		
DIMENSIONS	24" L x 21" W x 24" H, 195 lbs. (89 kg)		
APPLICATIONS	<ul style="list-style-type: none"> • Booster Tank Fill • Multiple Hand Lines • Wildland/Attack Fire Suppression 		
FEATURES	<ul style="list-style-type: none"> • Aluminum alloy casing • Discharge valve • Bronze impeller and seal rings • Stainless steel impeller shaft • Shredded plastallic packing • Exhaust primer • Built-in discharge check valve • Adjustable discharge valve • 3" NPT suction • 2-1 1/2" NPT and 1-2 1/2" NPT discharges (not shown) 		
OPTIONS	<ul style="list-style-type: none"> • Gauge, battery, adapters and caps 		
PERFORMANCE	<p>390 gpm (1476 L/M) @ 30 psi (2.1 bar)</p> <p>200 gpm (757 L/M) @ 110 psi (7.6 bar)</p> <p>100 gpm (378 L/M) @ 140 psi (9.7 bar)</p>		

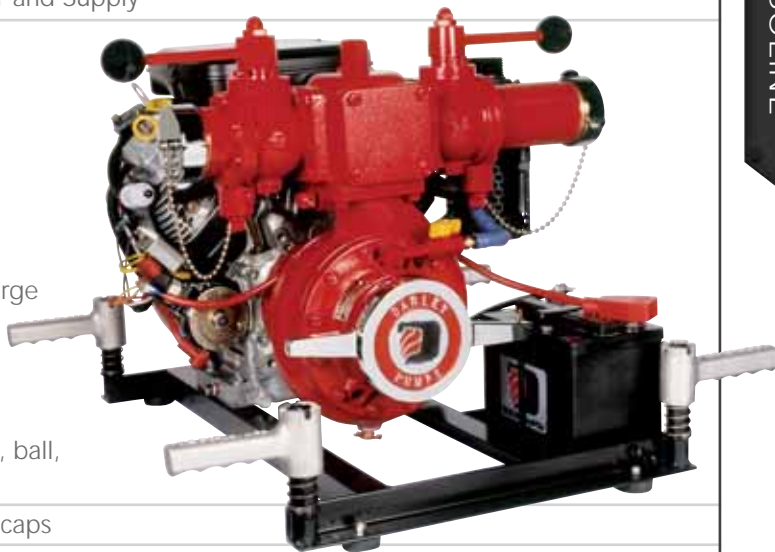


23 HP PORTABLE PUMPS

HE 23V

Medium Pressure, High Volume, Direct Drive, Engine Mounted

ENGINE	Briggs & Stratton Vanguard: 4 cycle, 23 HP, V-twin, OHV, replaceable oil filter, 38.0 cu. in. displacement, 12-volt starter, recoil rope start back-up, 16 amp regulated alternator
DIMENSIONS	24"L x 21"W x 24"H, 220 lbs. (100 kg)
APPLICATIONS	<ul style="list-style-type: none"> • Booster Tank Fill • Transfer and Supply
FEATURES	<p>Assembly #1</p> <ul style="list-style-type: none"> • Aluminum alloy casing • Bronze impeller and seal ring • Stainless steel impeller shaft • 4" NPT suction • 3" NPT discharge <p>Assembly #2</p> <ul style="list-style-type: none"> • 4" NH suction and screen • 1-2¹/₂" and 2-1¹/₂" NPT discharge head with check valve <p>Assembly #3</p> <ul style="list-style-type: none"> • Built-in discharge check valve • 4" NH suction and screen • 2-2¹/₂" NH discharges, 1/4 turn, ball, self-locking, all bronze valves
OPTIONS	<ul style="list-style-type: none"> • Gauge, battery, adapters and caps
PERFORMANCE	<p>535 gpm (2025 L/M) @ 20 psi (1.4 bar)</p> <p>300 gpm (1136 L/M) @ 60 psi (4.1 bar)</p> <p>100 gpm (378 L/M) @ 70 psi (4.8 bar)</p>



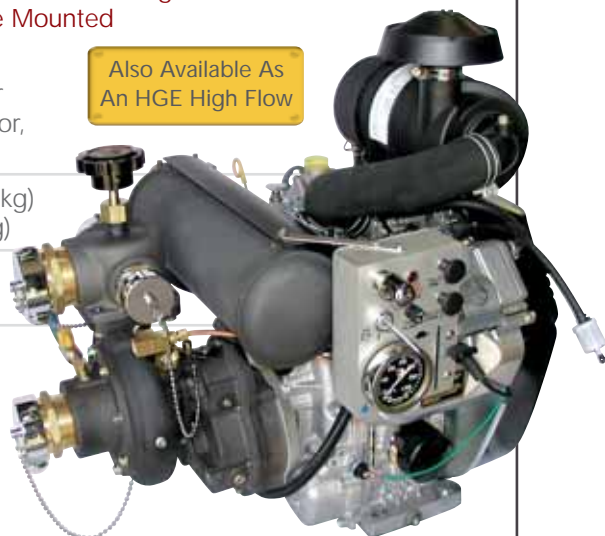
35 HP PORTABLE PUMPS

2-1/2AGE 35V & HGE 35V

Medium Pressure, High Volume, Gear Driven, Engine Mounted

ENGINE	Briggs & Stratton: 35 HP, V-Twin, OHV, 4 cycle, air cooled gas engine, electric start, flywheel alternator, fuel and oil pump filters, 6 gal. fuel tank
DIMENSIONS	<p>2-1/2AGE 35V: 28"L x 27"W x 31"H, 205 lbs. (93 kg)</p> <p>HGE 35V: 29.5"L x 27"W x 31"H, 330 lbs. (150 kg)</p>
APPLICATIONS	<ul style="list-style-type: none"> • Booster Reel • Wildland/Attack • Multiple Hand Lines • Fire Suppression
FEATURES	<ul style="list-style-type: none"> • Hard anodized aluminum alloy casing, discharge head, gear case and engine adapter • Bronze impeller and wear rings • Stainless steel impeller shaft • Mechanical seal • Helical gears • Discharge check valve and adjustable discharge valve • Sulfuric anodized aluminum alloy gear case and engine adapter • Throttle and exhaust primer
OPTIONS	<ul style="list-style-type: none"> • Gauge, battery, adapters and caps
PERFORMANCE	<p>2-1/2 AGE 35V</p> <p>300 gpm (1135 L/M) @ 100 psi (6.8 bar)</p> <p>200 gpm (757 L/M) @ 150 psi (10.3 bar)</p> <p>50 gpm (189 L/M) @ 265 psi (18.2 bar)</p>

Also Available As An HGE High Flow



- Control panel: Mounted with engine controls and pressure gauge
- 2¹/₂" NPT suction inlet
- 2-1¹/₂" NPT and 1-2¹/₂" NPT discharges

HGE 35V High Flow (With 4" NPT Suction)

500 gpm (1892 L/M) @ 50 psi (3.4 bar)

300 gpm (1135 L/M) @ 105 psi (7.2 bar)

100 gpm (378 L/M) @ 170 psi (11.7 bar)



64 HP PORTABLE PUMPS

HE 64RP "HERCULES"


Ultra High Performance Portable Version

ENGINE	Rotax 582: Liquid-cooled, 64 HP, 2 cycle without injection, 12-volt electric starter, recoil rope start back-up, 6 gal. fuel tank, hose and adapter	 <ul style="list-style-type: none"> • 2-1/4 turn self-locking 2 1/2" NH discharge ball valves with caps • Available with wheels
DIMENSIONS	34"L x 30"W x 26"H, 225 lbs. (102 kg)	
APPLICATIONS	<ul style="list-style-type: none"> • Fire Boat • Booster Tank Fill • Multiple Hand Lines • Wildland/Attack Fire Suppression 	
FEATURES	<ul style="list-style-type: none"> • 170W lighting and recharging coil • Aluminum alloy casing • Bronze impeller and seal ring • Stainless steel impeller shaft • Mechanical seal • Belt driven rotary primer • Heat exchanger with thermal protection circuit • Wrap around frame with fold out handles • Loss of prime shutdown • Pressure governor • Vernier throttle • 4" NH suction with screen 	
OPTIONS	<ul style="list-style-type: none"> • Gauge, battery, adapters and caps 	
PERFORMANCE	<p>575 gpm (2176 L/M) @ 100 psi (6.9 bar)</p> <p>320 gpm (1211 L/M) @ 200 psi (13.8 bar)</p> <p>165 gpm (625 L/M) @ 250 psi (17.2 bar)</p>	

64 HP PORTABLE PUMPS

HE 64RS "HERCULES"

Ultra High Volume Performance Skid Mount Pump

ENGINE	Rotax 582: Liquid-cooled, 64 HP, 12-volt electric starter, recoil rope start back-up, 6 gal. fuel tank, hose and adapter	 <ul style="list-style-type: none"> • Vernier throttle • Pressure Governor • 4" NH suction intake with screen • 3" NPT discharge
DIMENSIONS	34"L x 30"W x 26"H, 215 lbs. (199 kg)	
APPLICATIONS	<ul style="list-style-type: none"> • Fire Boat • Booster Tank Fill • Multiple Hand Lines • Wildland/Attack Fire Suppression 	
FEATURES	<ul style="list-style-type: none"> • 170W lighting and recharging coil • Aluminum alloy casing • Bronze impeller and seal ring • Stainless steel impeller shaft • Mechanical seal • Heat exchanger with thermal protection circuit • Wrap around frame with fold out handles • Control panel with governor, ignition switch and light, starting switch and compound pressure gauge • Loss of prime shutdown 	
OPTIONS	<ul style="list-style-type: none"> • Gauge, battery, adapters and caps 	
PERFORMANCE	<p>575 gpm (2176 L/M) @ 100 psi (6.9 bar)</p> <p>320 gpm (1211 L/M) @ 200 psi (13.8 bar)</p> <p>165 gpm (625 L/M) @ 250 psi (17.2 bar)</p>	



DIESEL PORTABLE PUMPS



Darley Diesel Portable Pump models are available with a wide variety of engines from Yanmar, Kubota, Cummins, John Deere and Deutz.

AGE PUMPS

The AGE Series is our high-pressure line of pumps. The 1¹/₄ AGE Pumps are our highest pressure portables, 1¹/₂ AGE is our most popular pump offering high pressures with medium flows, and the 2¹/₂ AGE offers the widest range of pressures and flows. The AGE includes a two-gear speed increasing gear box to help attain these high pressures.

2BE PUMPS

The 2BE Series is our versatile, high-volume, medium-pressure, direct drive line of pumps. This series of pumps offers a wide range of flow and pressures to meet both fire fighting and relay pumping operations. 2BE pumps are direct drive, coupled directly to engines. This gives us the ability to offer flows up to 400 gpm and pressures needed for firefighting.

HE PUMPS

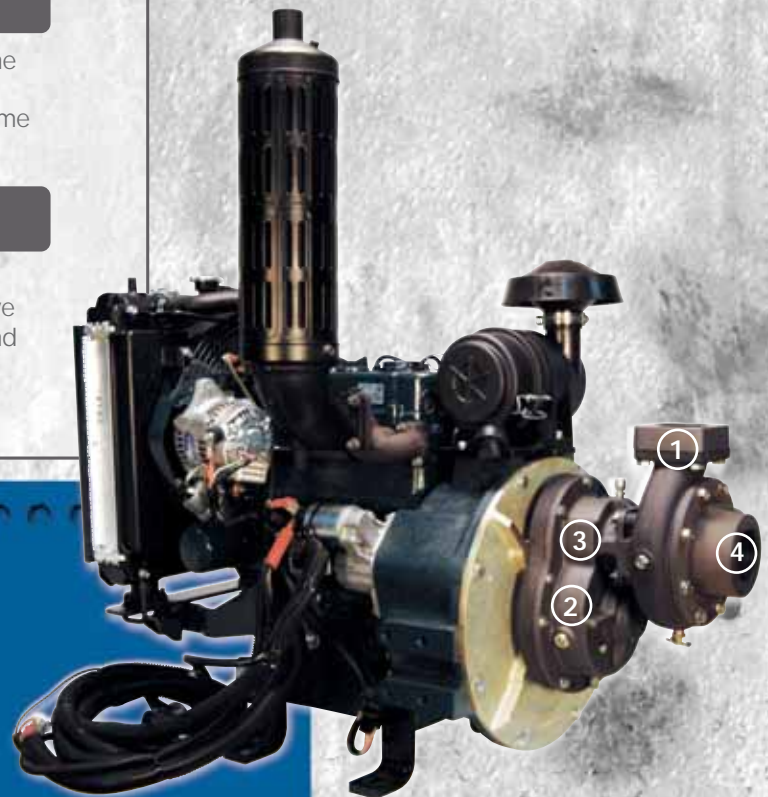
The HE Series is our highest-volume, lowest-pressure line of pumps with flows in excess of 500 gpm. These direct drive pumps are ideal for filling tankers or other large-volume applications.

HSE PUMPS

The HSE combines a product with over 50 years of fire industry service (the HE pump) with a new impeller to give the ultimate single stage pump designed for Wildland and Urban Interface performance demands capable of a 250 NFPA rating and pressures to 400 psi. Features anodized aluminum casing and helical cut gears.

PUMP	PAGE
10 HP PORTABLE DIESEL PUMPS	18 - 19
24 HP PORTABLE DIESEL PUMPS	20 - 21
39 HP PORTABLE DIESEL PUMPS	21 - 22
42 HP PORTABLE DIESEL PUMPS	22 - 23
57 HP PORTABLE DIESEL PUMPS	24
59 HP PORTABLE DIESEL PUMPS	24

PORTABLE - DIESEL



FEATURES THAT SET DARLEY PUMPS APART

1. Easy to operate discharge valve with integrated check valve allows pump to be primed with discharge valves open
2. Hard coated anodized pump cases are standard on most portable pumps
3. All portable pumps come standard with mechanical seals, injection packing is optional at no additional charge
4. Optional Darley chrome caps and brass adapters
5. Easily stowed carrying handles with ergonomic grips
6. Wide variety of control panels available including pressure gauges, wireless controls, remote priming, start button, kill switch and light

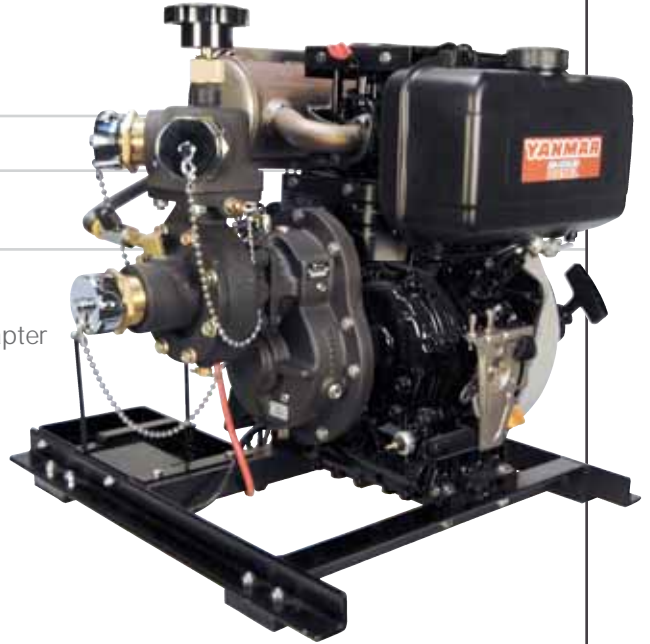


10 HP DIESEL PORTABLE PUMPS

1-1/4AGE 10YD

High Pressure, Low Volume, Gear Driven, Engine Mounted

ENGINE	Yanmar Diesel L100: 4 cycle, 10 HP, 1 cylinder, recoil rope start back-up, optional 12 volt electric start and alternator
DIMENSIONS	24"L x 24"W x 23"H, 163 lbs. (74 kg)
APPLICATIONS	<ul style="list-style-type: none"> • Booster Reel • Light Duty Brush Truck
FEATURES	<ul style="list-style-type: none"> • Hard anodized aluminum alloy casing and discharge valve • Aluminum alloy gear case and engine adapter • Stainless steel impeller shaft • Mechanical seal • Bronze impeller and wear rings • Heat treated alloy steel helical gears • Ball bearing construction • Built-in discharge check valve • Adjustable discharge valve • Adjustable throttle • Exhaust primer • 1 1/2" NPT suction • 2-1 1/2" NPT discharges
PERFORMANCE	<p>55 gpm (208 L/M) @ 135 psi (9.3 bar)</p> <p>40 gpm (151 L/M) @ 185 psi (12.8 bar)</p> <p>20 gpm (76 L/M) @ 265 psi (18.3 bar)</p>



10 HP DIESEL PORTABLE PUMPS

1-1/2AGE 10YD

Medium Pressure, Medium Volume, Gear Driven, Engine Mounted

ENGINE	Yanmar Diesel L100: 4 cycle, 10 HP, 1 cylinder, recoil rope start back-up, optional 12 volt electric start and alternator
DIMENSIONS	24"L x 21 1/2"W x 24 1/2"H, 175 lbs. (80 kg)
APPLICATIONS	<ul style="list-style-type: none"> • Booster Reel • Light Duty Brush Truck
FEATURES	<ul style="list-style-type: none"> • Hard anodized aluminum alloy casing and discharge valve • Aluminum alloy gear case and engine adapter • Stainless steel impeller shaft • Mechanical seal • Bronze impeller and wear rings • Heat treated alloy steel helical gears • Ball bearing construction • Built-in discharge check valve • Adjustable discharge valve • Adjustable throttle • Exhaust primer • 2" NPT suction • 2-1 1/2" NPT discharges
PERFORMANCE	<p>120 gpm (454 L/M) @ 75 psi (5.7 bar)</p> <p>75 gpm (284 L/M) @ 125 psi (8.6 bar)</p> <p>20 gpm (76 L/M) @ 145 psi (10.0 bar)</p>



Shown with optional wraparound frame.



10 HP DIESEL PORTABLE PUMPS

2BE10YDN (NAVY P100) NSN 3H-4320-01-387-2869

Medium Pressure, High Volume, Engine Mounted

PORTABLE - DIESEL

ENGINE	2BE10YDNL100: 4 cycle, 10 HP, 1 cylinder, recoil rope start back-up, optional 12 volt electric start and alternator
DIMENSIONS	24"L x 24"W x 23"H, 163 lbs. (74 kg)
APPLICATIONS	<ul style="list-style-type: none"> • Marine • Dewatering • Transfer and Supply
FEATURES	<ul style="list-style-type: none"> • Anodized aluminum alloy casing • Discharge head • Engine adapter • Bronze impeller and wear rings • Stainless steel impeller shaft • Shredded plastallic packing • Discharge check valve • Adjustable discharge valve • Throttle • Roll cage • Exhaust primer • 3" NPT suction • 1-2½" NPT or 2-1½" NPT discharges
OPTIONS	<ul style="list-style-type: none"> • Adapters & caps • Electric start • Mechanical seal
PERFORMANCE	<p>250 gpm (946 L/M) @ 25 psi (1.4 bar)</p> <p>180 gpm (681 L/M) @ 60 psi (4.1 bar)</p> <p>95 gpm (359 L/M) @ 90 psi (6.2 bar)</p>



The Darley P100 was used during the USS Cole Disaster

- OPERATES ON DIESEL OR JET FUEL
- ONE-PULL START, SELF-PRIMING TO 21'
- PASSED RIGOROUS NAVY LAB TESTING

NAVY P100

UPGRADE PACKAGE INCLUDES STANDARD FEATURES PLUS:

- Roll cage
- Pressure gauge
- Marinization package
- Adapters
- Caps with cable
- 2 - 10' x 2" exhaust hoses

CHOICE OF THE US NAVY

Darley has delivered more than 5000 pumps to the US Navy, US Coast Guard and more than 35 other Navies around the world.



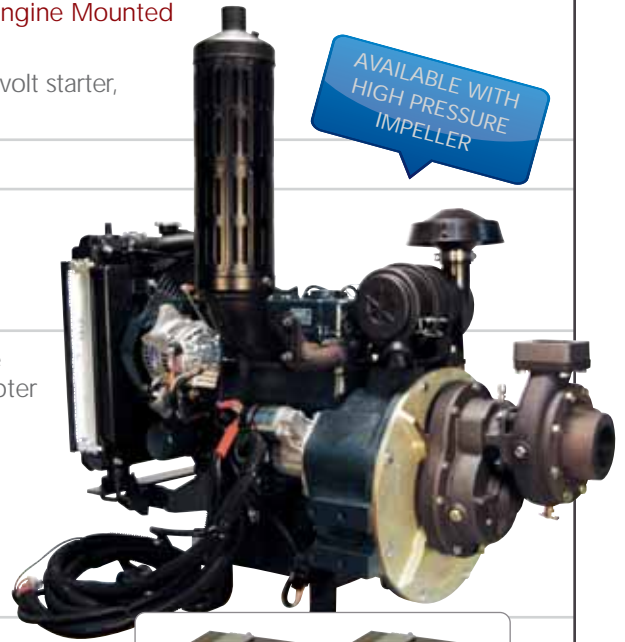
24 HP DIESEL PORTABLE PUMPS

1-1/2AGE 24K

High Pressure, Low Volume, Gear Driven,
Engine Mounted

AVAILABLE WITH
HIGH PRESSURE
IMPELLER

ENGINE	Kubota D902 Diesel: 24 HP, liquid cooled, 12 volt starter, 40 amp. alternator, fuel and oil pump filters
DIMENSIONS	36"L x 22"W x 26"H, 371 lbs. (168 kg)
APPLICATIONS	<ul style="list-style-type: none"> • Booster Reel • Multiple Hand Lines • Transfer and Supply • Wildland/Attack Fire Suppression
FEATURES	<ul style="list-style-type: none"> • Aluminum alloy casing and discharge valve • Aluminum alloy gear case and engine adapter • Bronze impeller and wear rings • Stainless steel impeller shaft • Heat treated alloy steel helical gears • Ball bearing construction • 2" NPT suction • 2-1/2" NPT or 1-2 1/2" NPT discharges • Skid base
OPTIONS	<ul style="list-style-type: none"> • Dual panels • Electric and manual throttles • Rotary vane primer
PERFORMANCE	120 gpm (454 L/M) @ 130 psi (8.9 bar) 75 gpm (284 L/M) @ 220 psi (15.2 bar) 25 gpm (94 L/M) @ 335 psi (23.1 bar) Max pressure 400 psi



Optional dual panels

24 HP DIESEL PORTABLE PUMPS

2-1/2AGE 24K

Medium Pressure, Medium Volume,
Gear Driven, Engine Mounted

ENGINE	Kohler D902 Diesel: 24 HP, liquid cooled, 12 volt starter, 40 amp. alternator, fuel and oil pump filters
DIMENSIONS	36"L x 22"W x 26"H, 376 lbs. (170 kg)
APPLICATIONS	<ul style="list-style-type: none"> • Booster Reel • Multiple Hand Lines • Transfer and Supply • Wildland/Attack Fire Suppression
FEATURES	<ul style="list-style-type: none"> • Aluminum alloy casing and discharge valve • Aluminum alloy gear case and engine adapter • Bronze impeller and wear rings • Stainless steel impeller shaft • Heat treated alloy steel helical gears • Ball bearing construction • 2 1/2" NPT suction • 2-1 1/2" NPT or 1-2 1/2" NPT discharges
OPTIONS	<ul style="list-style-type: none"> • Dual panels • Electric and manual throttles • Rotary vane primer
PERFORMANCE	225 gpm (851 L/M) @ 100 psi (8.9 bar) 125 gpm (473 L/M) @ 150 psi (10.3 bar) 50 gpm (189 L/M) @ 170 psi (11.7 bar)



24 HP DIESEL PORTABLE PUMPS

2BE 24K

Medium Pressure, High Volume, Gear Driven, Engine Mounted

ENGINE	Kubota D902 Diesel: 24 HP, 3600 rpm, liquid cooled, 12-volt starter, 40 amp alternator, replaceable fuel and oil pump filters
DIMENSIONS	35"L x 23.3"W x 26.3"H (40" w/exhaust), 386 lbs. (175 kg)
APPLICATIONS	<ul style="list-style-type: none"> • Booster Reel • Multiple Hand Lines • Transfer and Supply • Wildland/Attack Fire Suppression
FEATURES	<ul style="list-style-type: none"> • Hard anodized aluminum alloy casing • Bronze impeller and wear rings • Stainless steel impeller shaft • Silicon carbide mechanical seal • Heat treated alloy steel helical gears • Ball bearing construction • Adjustable throttle • 3" NPT suction • 2-1½" NPT and 1-2½" NPT discharges
OPTIONS	<ul style="list-style-type: none"> • Dual panels • Electric and manual throttles • Rotary vane primer
PERFORMANCE	<p>390 gpm (1476 L/M) @ 20 psi (1.4 bar)</p> <p>300 gpm (1135 L/M) @ 80 psi (5.5 bar)</p> <p>200 gpm (757 L/M) @ 115 psi (7.9 bar)</p>



Optional dual panels

PORTABLE - DIESEL

39 HP DIESEL PUMPS

1-1/2AGE 39K

High Pressure, Medium Volume, Gear Driven, Engine Mounted

ENGINE	Kubota V1505 Diesel: 39 HP naturally aspirated, 4 cylinders, liquid-cooled, 12-volt, electric start, 40 amp alternator, pressure lubed, oil and fuel pump filters
DIMENSIONS	41"L x 24"W x 42½"H, 523 lbs. (237 kg)
APPLICATIONS	<ul style="list-style-type: none"> • Booster Reel/Booster Tank Fill • Multiple Hand Lines • Wildland/Attack Fire Suppression
FEATURES	<ul style="list-style-type: none"> • Aluminum alloy casing and discharge valve • Sulfuric anodized aluminum alloy gear case • Bronze impeller and wear rings • Stainless steel impeller shaft • Heat treated alloy steel helical gears • Ball bearing construction • Adjustable throttle • 2" NPT suction • 2-1½" or 1-2½" NPT discharge
OPTIONS	<ul style="list-style-type: none"> • Dual panels • Electric and manual throttles • Rotary vane primer
PERFORMANCE	<p>160 gpm (605 L/M) @ 245 psi (16.9 bar)</p> <p>80 gpm (303 L/M) @ 310 psi (21.4 bar)</p> <p>25 gpm (94 L/M) @ 300 psi (20.7 bar)</p>



39 HP DIESEL PUMPS

2-1/2AGE 39K

High Pressure, Medium Volume, Gear Driven, Engine Mounted

ENGINE	Kubota V1505 Diesel: 39 HP naturally aspirated, 4 cylinders, liquid-cooled, 12-volt, electric start, 40 amp alternator, pressure lubed, oil and fuel pump filters
DIMENSIONS	41"L x 24"W x 42 1/2"H, 528 lbs. (240 kg)
APPLICATIONS	<ul style="list-style-type: none"> • Booster Reel/Booster Tank Fill • Multiple Hand Lines • Wildland/Attack Fire Suppression
FEATURES	<ul style="list-style-type: none"> • Aluminum alloy casing and discharge valve • Aluminum alloy gear case and engine adapter • Bronze impeller and wear rings • Stainless steel impeller shaft • Helical gears • Ball bearing construction • Adjustable throttle • 2-1/2" NPT suction • 1-2-1/2" or 2-1-1/2" NPT discharge
OPTIONS	<ul style="list-style-type: none"> • Dual panels • Electric and manual throttles • Rotary vane primer
PERFORMANCE	<p>320 gpm (1211 L/M) @ 100 psi (6.8 bar)</p> <p>150 gpm (567 L/M) @ 170 psi (11.7 bar)</p> <p>50 gpm (189 L/M) @ 180 psi (12.4 bar)</p>

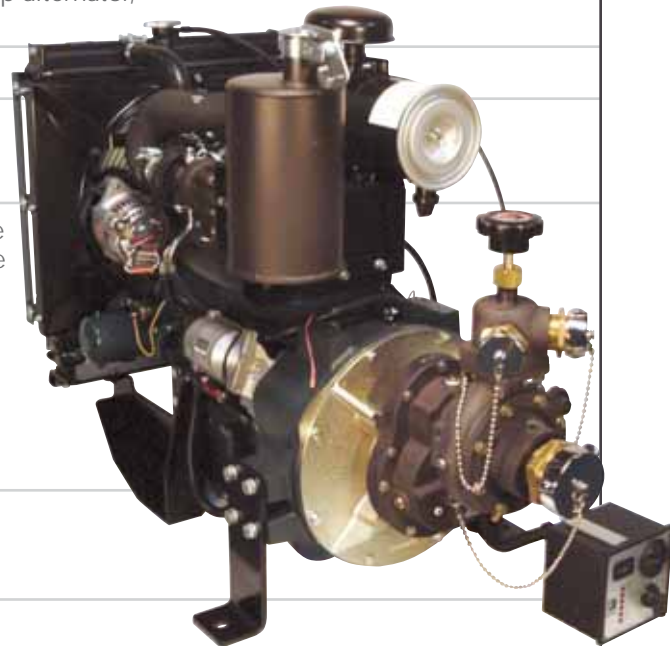


42 HP DIESEL PUMPS

1-1/2AGE 42K

High Pressure, Medium Volume, Gear Driven, Engine Mounted

ENGINE	Kubota V1505 Diesel: 42 HP turbo diesel, 4 cylinders, liquid-cooled, 12-volt, electric start, 40 amp alternator, pressure lubed, oil and fuel pump filters
DIMENSIONS	41"L x 24"W x 42 1/2"H, 523 lbs. (237 kg)
APPLICATIONS	<ul style="list-style-type: none"> • Booster Reel/Booster Tank Fill • Multiple Hand Lines • Wildland/Attack Fire Suppression
FEATURES	<ul style="list-style-type: none"> • Aluminum alloy casing and discharge valve • Sulfuric anodized aluminum alloy gear case • Bronze impeller and wear rings • Stainless steel impeller shaft • Heat treated alloy steel helical gears • Ball bearing construction • Adjustable throttle • 2" NPT suction • 2-1-1/2" or 1-2-1/2" NPT discharge
OPTIONS	<ul style="list-style-type: none"> • Dual panels • Electric and manual throttles • Rotary vane primer
PERFORMANCE	<p>115 gpm (435 L/M) @ 230 psi (15.8 bar)</p> <p>75 gpm (283 L/M) @ 285 psi (19.6 bar)</p> <p>25 gpm (94 L/M) @ 295 psi (20.3 bar)</p>



42 HP DIESEL PUMPS

2-1/2AGE 42K

Medium Pressure, Medium Volume,
Gear Driven, Engine Mounted

ENGINE	Kubota V1505 Diesel: 42 HP turbo diesel, 4 cylinders, liquid-cooled, 12-volt, electric start, 40 amp alternator, pressure lubed, oil and fuel pump filters
DIMENSIONS	41" L x 24" W x 42 1/2" H, 528 lbs. (240 kg)
APPLICATIONS	<ul style="list-style-type: none"> • Booster Reel/Booster Tank Fill • Multiple Hand Lines • Wildland/Attack Fire Suppression
FEATURES	<ul style="list-style-type: none"> • Aluminum alloy casing and discharge valve • Aluminum alloy gear case and engine adapter • Bronze impeller and wear rings • Stainless steel impeller shaft • Helical gears • Ball bearing construction • Adjustable throttle • 2-1/2" NPT suction • 1-2 1/2" or 2-1 1/2" NPT discharge
OPTIONS	<ul style="list-style-type: none"> • Dual panels • Electric and manual throttles • Rotary vane primer
PERFORMANCE	<p>275 gpm (1040 L/M) @ 160 psi (11 bar)</p> <p>175 gpm (662 L/M) @ 215 psi (14.8 bar)</p> <p>75 gpm (283 L/M) @ 230 psi (15.8 bar)</p>



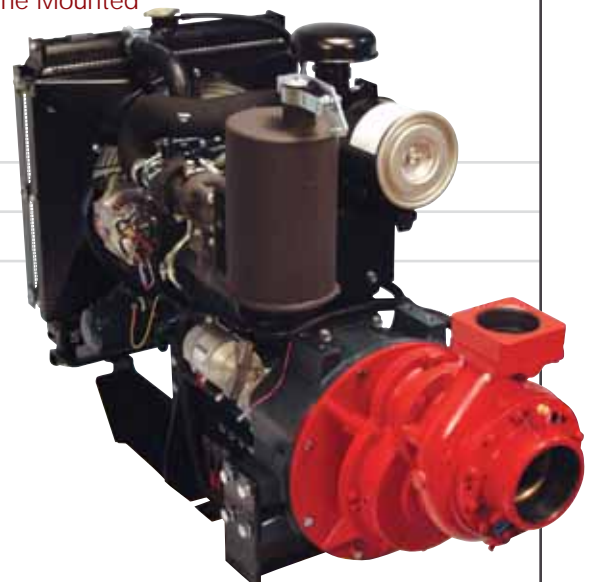
PORTABLE - DIESEL

42 HP DIESEL PUMPS

HE 42K

Medium Pressure, High Volume, Gear Driven,
Engine Mounted

ENGINE	Kubota V1505T Diesel: 42 HP turbo diesel, 4 cylinder, liquid-cooled, 12-volt starter, 40 amp alternator, oil and fuel pump filters
DIMENSIONS	37" L x 20" W x 31" H, 490 lbs. (222 kg)
APPLICATIONS	<ul style="list-style-type: none"> • Dewatering • Booster Tank Fill
FEATURES	<p>Assembly #1</p> <ul style="list-style-type: none"> • Cast iron casing • Bronze impeller and seal ring • 4" NPT suction • 3" NPT discharge <p>Assembly #2</p> <ul style="list-style-type: none"> • 4" NH suction and screen • 1-2 1/2" and 2-1 1/2" NPT discharge head with check valve <p>Assembly #3</p> <ul style="list-style-type: none"> • 4" NH suction and screen • 2-2 1/2" NH discharges, 1/4 turn, ball, self-locking, all bronze valves
PERFORMANCE	<p>600 gpm (2271 L/M) @ 40 psi (2.7 bar)</p> <p>300 gpm (1135 L/M) @ 135 psi (9.3 bar)</p> <p>250 gpm (946 L/M) @ 150 psi (10.3 bar)</p>



- Control panel for remote mounting with gauge, throttle control, engine warning lights and start/stop



57 HP DIESEL PUMPS

2-1/2AGE 250DTZ

Single Stage, Engine Driven,
Centrifugal Pump

NFPA RATED
250 GPM



ENGINE	Deutz D914L03 Diesel: 57 HP, air-cooled, 12 volt, electric starter, alternator	
DIMENSIONS	36.36"L x 27.4"W x 31.3"H, 925 lbs. (419.5 kg)	
APPLICATIONS	<ul style="list-style-type: none"> • Meets 250 gpm @ 150 psi for Type 2 Structure engines • Meets 150 gpm @ 250 psi for Type 3 Wildland engines 	
FEATURES	<ul style="list-style-type: none"> • Aluminum alloy casing • Aluminum alloy gear case and engine adapter • Bronze impeller and wear rings • Stainless steel impeller shaft • Mechanical seal • Heat-treated alloy steel helical gears • Ball bearing construction • Heavy duty air cleaner • Engine control panel • Tachometer • Hour meter • Oil pressure gauge • Ammeter 	<ul style="list-style-type: none"> • Throttle • Muffler • Start/stop key switch • 2 1/2" NPT suction • 2 1/2" NPT flanged discharge
OPTIONS	<p>2-1/2AGE 250CM</p> <ul style="list-style-type: none"> • Cummins B3.3 Diesel: 60 HP, liquid cooled, 12 volt electric starter, alternator • 53.44"L x 27.88"W x 58.83"H, 700 lbs. (317.5 kg) 	<p>2-1/2AGE 250JD</p> <ul style="list-style-type: none"> • John Deere 4024HF295 Diesel - 61 HP, 4 cycle, liquid cooled, 12 volt, electric starter, alternator • 56"L x 28.6"W x 53 1/2"H, 825 lbs. (374.2 kg)
PERFORMANCE	<p>250 gpm (946 L/M) @ 150 psi (10.3 bar)</p> <p>175 gpm (662 L/M) @ 200 psi (13.8 bar)</p> <p>125 gpm (473 L/M) @ 250 psi (17.2 bar)</p>	

59 HP DIESEL PUMPS

HSE 250K

Single Stage, Centrifugal, Direct Engine Mount

NFPA RATED
250 GPM



ENGINE	Kubota V2403M Diesel - 59 HP turbo, 4 cycle, liquid cooled, mounted engine control panel	
DIMENSIONS	50"L x 22"W x 40"H (to top of air cleaner), 886 lbs. (402 kg)	
APPLICATIONS	<ul style="list-style-type: none"> • Meets 250 gpm @ 150 psi for Type 2 Structure engines • Meets 150 gpm @ 250 psi for Type 3 Wildland engines 	
FEATURES	<ul style="list-style-type: none"> • Stainless steel shaft • Aluminum alloy gear case and engine adapter • Heat treated alloy steel helical gears • Mechanical seal • 4" NPT suction inlet • 3" NPT discharge companion flange 	
PERFORMANCE	<p>360 gpm (1362 L/M) @ 150 psi (10.3 bar)</p> <p>250 gpm (946 L/M) @ 200 psi (13.8 bar)</p> <p>175 gpm (662 L/M) @ 255 psi (17.6 bar)</p> <p>125 gpm (473 L/M) @ 294 psi (20 bar)</p>	



ENGINE DRIVEN PUMPS



Darley Engine Driven Pump models are available with a wide variety of engines from Cummins, Deutz, Ford, GMC, Kubota and John Deere.

HSE PUMPS

The HSE combines a product with over 50 years of fire industry service (the HE pump) and a new impeller to give the ultimate single stage pump designed for Wildland and Urban Interface performance demands capable of a 250 NFPA rating and pressures to 400 psi.

HE PUMPS

The HE series pumps are rated at 250, 350 and 500 gpm @ 150 psi. HE pump design allows flexibility, as transmissions and pump casings can be rotated 360° to meet many applications.

JME PUMPS

Two stage design allows for 500 gpm @ 150 psi, and pressures up to 600 psi. JME pumps are ideal for pump and roll applications that call for high flow and high pressure needs.

KSE PUMPS

Rated from 500, 750 and 1000 gpm @ 150 psi, the KSE pump is a compact solution for pump and roll pumper applications.

LSE PUMPS

The LSE uses many of the same castings as our popular LDM series pumps, allowing us to reduce the costs through mass customization. Rated up to 1000 gpm, the LSE pump offers plenty of capacity to flow over 1200 gpm in most applications.

PSE PUMPS

The PSE is the perfect pump for large separate engine pumpers, industrial trailers, or crash trucks.

ZSE PUMPS

Darley's ZSE is the highest flowing Engine Driven Pump in the market, with ratings from 2500-3500 gpm. The ZSE has excess capacity which is available to be tapped with large engines for even higher flow ratings while maintaining firefighting pressures. The Darley ZSE, coupled to a 500 hp engine, allows Darley to provide flows of 3500 gpm @ over 160 psi.

PUMP	PAGE
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KSE 500, 750, 1000 DIRECT MOUNT	27
LSE 500, 750, 1000 DIRECT MOUNT	28
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ENGINE DIMENSIONS & WEIGHTS	30

ENGINE DRIVEN

FEATURES THAT SET DARLEY PUMPS APART

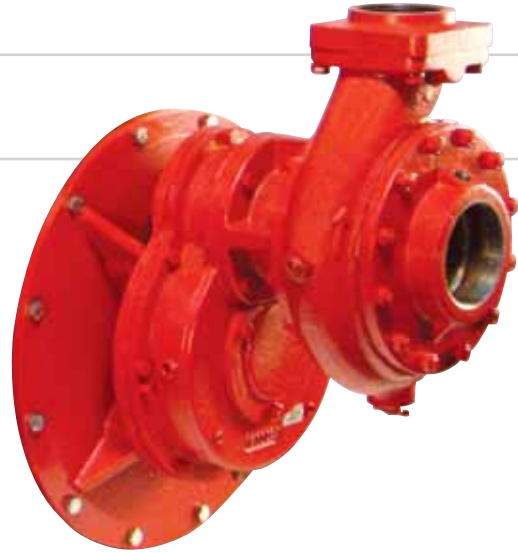
1. Standard discharge check valve
2. Optional Darley chrome caps and brass adapters
3. All pumps come standard with mechanical seals, injection packing is optional
4. Pump ratings for 250 to 1500 gpm
5. Marine applications also available



HSE 250

Single Stage, Centrifugal, Direct Engine Mounted, High Pressure

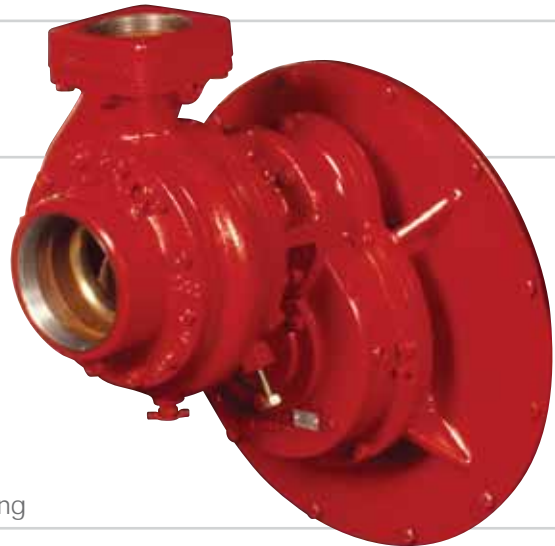
DIMENSIONS	18"L x 11"W x 21"H, 135 lbs. (61 kg)
APPLICATIONS	<ul style="list-style-type: none"> • Fire Boat • Mini Pumper • Wildland/Attack Fire
FEATURES	<ul style="list-style-type: none"> • High pressure impeller • Vertically split, cast iron bronze fitted pump casing • Impellers opposed design to eliminate end thrust • Broached impeller (not keyed) for longer life • Oversized, deep groove radial type bearings for longer life • 10 tooth splined shaft for durability • 3" NPT discharge companion flange • 3" or 4" NPT suction • SAE 3 or 4 mounting • Helical cut gears
PERFORMANCE	350 gpm (1324 L/M) @ 150 psi (10.3 bar) 250 gpm (946 L/M) @ 300 psi (20.6 bar) 150 gpm (568 L/M) @ 390 psi (26.8 bar)



HE 500

Single Stage, Centrifugal, Engine Mounted

DIMENSIONS	18"L x 11"W x 21"H, 135 lbs. (61 kg)
APPLICATIONS	<ul style="list-style-type: none"> • Fire Boat • Mini Pumper • Tanker • Wildland/Attack Fire
FEATURES	<ul style="list-style-type: none"> • Vertically split, cast iron bronze fitted pump casing • Impellers opposed design to eliminate end thrust • Broached impeller (not keyed) for longer life • Oversized, deep groove radial type bearings for longer life • 10 tooth splined shaft for durability • 3" NPT discharge companion flange • 4" NPT suction • SAE 3 or 4 adapter to engine bell housing
OPTIONS	<ul style="list-style-type: none"> • Bronze alloy pump assembly
PERFORMANCE	500 gpm (1893 L/M) @ 150 psi (10.3 bar) 350 gpm (1325 L/M) @ 200 psi (13.8 bar) 250 gpm (946 L/M) @ 250 psi (17.2 bar)



JME 500

JME 500 & JME 500 NH

Two Stage, Series/Parallel, Centrifugal, Engine Mounted

DIMENSIONS

25" L x 12" W x 26" H, 250 lbs. (114 kg)

APPLICATIONS

- Mini Pumper
- Wildland/Attack Fire
- Pump & Roll
- Tanker

FEATURES

- Vertically split, cast iron bronze fitted pump casing
- Impellers opposed design to eliminate end thrust
- Broached impeller (not keyed) for longer life
- Oversized, deep groove radial type bearings for longer life
- 10 tooth splined shaft for durability
- Chrome plated transfer valve
- 3-2¹/₂" NPT discharge flanges
- 3-4" NPT suction taps
- Gear ratio to suit engine

PERFORMANCE

JME 500
 500 gpm (1893 L/M) @ 150 psi (10.3 bar)
 375 gpm (1325 L/M) @ 200 psi (13.8 bar)
 250 gpm (946 L/M) @ 250 psi (17.2 bar)
 100 gpm (378 L/M) @ 500 psi (34.5 bar)

JME 500 NH
(Normal Pressure, High Pressure)
Simultaneous for normal pressure, high pressure
 525 gpm (2000 L/M) @ 295 psi (7.0 bar)
 100 gpm (378 L/M) @ 290 psi (20.0 bar)



ENGINE DRIVEN

KSE 500, 750, 1000 DIRECT MOUNT

Single Stage, Centrifugal, Single Suction Impeller, 2 Gear Gearcase, Engine Mounted

DIMENSIONS

15" L x 14" W x 26" H, 250 lbs. (114 kg)

APPLICATIONS

- Fire Boat
- Pumper
- Mini Pumper
- Wildland/Attack Fire

FEATURES

- Vertically split, cast iron bronze fitted pump casing
- Impellers opposed design to eliminate end thrust
- Broached impeller (not keyed) for longer life
- Oversized, deep groove radial type bearings for longer life
- 10 tooth splined shaft for durability
- 4" NPT discharge
- 5-6" NPT or weld flange suction
- Uses standard SAE engine adapter

PERFORMANCE

KSE 500
 500 gpm (1893 L/M) @ 150 psi (10.3 bar)
 350 gpm (1325 L/M) @ 200 psi (13.8 bar)
 250 gpm (946 L/M) @ 250 psi (17.2 bar)

KSE 750
 750 gpm (2839 L/M) @ 150 psi (10.3 bar)
 525 gpm (1987 L/M) @ 200 psi (13.8 bar)
 375 gpm (1419 L/M) @ 250 psi (17.2 bar)

KSE 1000
 1000 gpm (3785 L/M) @ 150 psi (10.3 bar)
 700 gpm (2646 L/M) @ 200 psi (13.8 bar)
 500 gpm (1893 L/M) @ 250 psi (17.2 bar)



LSE 500, 750, 1000 DIRECT MOUNT

Single Stage, Centrifugal, Single Suction Impeller,
2 Gear Gearcase, Engine Mounted

DIMENSIONS 16"L x 17"W x 17"H, 235 lbs. (107 kg)

APPLICATIONS

- Fire Boat
- Mini Pumper
- Pumper
- Wildland/Attack Fire

FEATURES

- Vertically split, cast iron bronze fitted pump casing
- Impellers opposed design to eliminate end thrust
- Broached impeller (not keyed) for longer life
- Oversized, deep groove radial type bearings for longer life
- 10 tooth splined shaft for durability
- 4" NPT discharge
- 5" or 6" weld flange suction
- Uses standard SAE engine adapter

NEW HIGH
FLOW DESIGN



PERFORMANCE

LSE 500
500 gpm (1893 L/M) @ 150 psi (10.3 bar)
350 gpm (1325 L/M) @ 200 psi (13.8 bar)
250 gpm (946 L/M) @ 250 psi (17.2 bar)

LSE 750
750 gpm (2839 L/M) @ 150 psi (10.3 bar)
525 gpm (1987 L/M) @ 200 psi (13.8 bar)
375 gpm (1419 L/M) @ 250 psi (17.2 bar)

LSE 1000

1000 gpm (3785 L/M) @ 150 psi (10.3 bar)
700 gpm (2646 L/M) @ 200 psi (13.8 bar)
500 gpm (1893 L/M) @ 250 psi (17.2 bar)

PSE 1000, 1250, 1500 DIRECT MOUNT

Single Stage, Centrifugal, Single Suction Impeller,
2 Gear Gearcase, Engine Mounted

DIMENSIONS 16"L x 15"W x 27"H, 382 lbs. (173 kg)

APPLICATIONS

- ARFF
- Fire Boat
- Pumper
- Pumper Tanker

FEATURES

- Vertically split, cast iron bronze fitted pump casing
- Impellers opposed design to eliminate end thrust
- Broached impeller (not keyed) for longer life
- Oversized, deep groove radial type bearings for longer life
- 10 tooth splined shaft for durability
- 5" NPT discharge
- 6" NPT or weld flange suction

PERFORMANCE

PSE 1000
1000 gpm (3785 L/M) @ 150 psi (10.3 bar)
700 gpm (2646 L/M) @ 200 psi (13.8 bar)
500 gpm (1893 L/M) @ 250 psi (17.2 bar)

PSE 1250
1250 gpm (4731 L/M) @ 150 psi (10.3 bar)
875 gpm (3312 L/M) @ 200 psi (13.8 bar)
625 gpm (2365 L/M) @ 250 psi (17.2 bar)

PSE 1500

1500 gpm (5678 L/M) @ 150 psi (10.3 bar)
1050 gpm (3974 L/M) @ 200 psi (13.8 bar)
750 gpm (2839 L/M) @ 250 psi (17.2 bar)



ZSE 2500, 3000, 3500

Single Stage, Centrifugal, Single Suction Impeller, Engine Mounted



ENGINE DRIVEN

DIMENSIONS	24" L x 27" W x 31" H, 605 lbs. (274 kg)	
APPLICATIONS	<ul style="list-style-type: none"> • Industrial • Chemical • Aerial 	<ul style="list-style-type: none"> • ARFF • Fire Boat
FEATURES	<ul style="list-style-type: none"> • Mechanical Seal • 1610 or 1710 full round yokes • Mega transmission 	<ul style="list-style-type: none"> • Air shift • Manual override • 6" weld discharge • 8" weld flange suction
PERFORMANCE	<p>ZSE 2500 NFPA Fire Pump 2500 gpm (9463 L/M) @ 150 psi (10.3 bar) 2500 gpm (9463 L/M) @ 165 psi (11.3 bar) 1750 gpm (6624 L/M) @ 200 psi (13.8 bar) 1250 gpm (4732 L/M) @ 250 psi (17.2 bar) <i>Using 1 - 8" or 3 - 6" suction hose</i> <i>Rated at 2500 gpm for NFPA 1901 fire pump application</i></p> <p>ZSE 3000 NFPA Fire Pump 3000 gpm (11,356 L/M) @ 165 psi (11.3 bar) 2100 gpm (7949 L/M) @ 200 psi (13.8 bar) 1500 gpm (5678 L/M) @ 250 psi (17.2 bar) <i>Using 2 - 8" or 4 - 6" suction hose</i> <i>Rated at 3000 gpm for NFPA 1901 fire pump application</i></p> <p>ZSE 3500 NFPA Industrial Rating 3500 gpm (13248 L/M) @ 100 psi (6.8 bar) 2450 gpm (9274 L/M) @ 150 psi (10.3 bar) 1750 gpm (6624 L/M) @ 200 psi (13.8 bar)</p> <p>ZSE International Rating 2642 gpm (10000 L/M) @ 217 psi (15 bar)</p>	

DARLEY SKID & TRAILER-MOUNTED PUMPS

Darley skid and trailer-mounted pumps offer versatile pumping protection ranging from a basic pump end through a fully engineered turnkey system. A wide variety of pump and engine combinations are available. Though all units come standard with an engine control panel with throttle making the unit operable, Darley can provide units with custom pump control panels, including traditional master gauges and relief valve or with Darley ergonomic AutoControl™ Governor. Contact the Darley Sales Department for quotes, proper engine horsepower and RPM requirements.



PUMP MODELS	<ul style="list-style-type: none"> • HE 500 • KSE 750 • ZSE 2000-3500 	<ul style="list-style-type: none"> • LSE 1000 • PSE 1000-1500 	<div style="border: 1px solid black; padding: 5px; text-align: center;"> LARGE VARIETY OF MARINE DRIVES AVAILABLE FOR FIRE BOATS! </div>
APPLICATIONS	<ul style="list-style-type: none"> • Industrial 	<ul style="list-style-type: none"> • Rural 	
ENGINES	<ul style="list-style-type: none"> • Cummins • John Deere • Deutz 	<ul style="list-style-type: none"> • GMC • Ford 	
TRAILERS	<ul style="list-style-type: none"> • Single or double axle • Tongue jack 	<ul style="list-style-type: none"> • Rear stabilizers • 2" ball 	
MOUNTINGS	<ul style="list-style-type: none"> • Cross-mount • Skid 	<ul style="list-style-type: none"> • Trailer mounted 	
OPTIONS	<ul style="list-style-type: none"> • Custom control panels • 12v primers • Relief valves • Trailers • Gas and diesel models • Storage containers 	<ul style="list-style-type: none"> • Suction hose troughs with straps and foot loops • Fuel tanks • Suction and discharge hose with nozzles 	
PERFORMANCE	Ratings from 250 gpm - 3500 gpm		



PUMP & ENGINE COMBINATIONS

PUMP	ENGINE	HP @ RPM	SUCTION	DISCHARGE	GEAR RATIO
HE500	Ford LSG-425EFI (gasoline-driven)	82 HP @ 3200	4" NPT	3" NPT	2.15
HE500	Cummins QSB3.3	99 HP @ 2500	4" NPT	3" NPT	3.16
HE500	Deutz D914L05	97 HP @ 2300	4" NPT	3" NPT	3.16
HE500	John Deere ES3088T	115 HP @ 2500	4" NPT	3" NPT	3.16
HE500	Kubota V3600T	84.5 HP @ 2500	4" NPT	3" NPT	3.16
KSE750	Cummins QSB4.5	160 HP @ 2500	5" NPT/WELD	4" NPT	2.19
KSE750	Deutz TCD914L06	174 HP @ 2300	5" NPT/WELD	4" NPT	2.19
KSE750	John Deere ES30116W	173 HP @ 2400	5" NPT/WELD	4" NPT	2.19
LSE1000	Cummins QSB6.7	173 HP @ 2100	6" NPT/WELD	4" NPT	2.83
LSE1000	Deutz TCD2012L06 2V	208 HP @ 2400	6" NPT/WELD	4" NPT	2.29
LSE1000	John Deere ES30021W	200 HP @ 2400	6" NPT/WELD	4" NPT	2.29
PSE1000	Cummins QSB6.7	190 HP @ 2100	6" NPT/WELD	4" NPT	2.83
PSE1000	Deutz TCD2012L06 2V	208 HP @ 2400	6" NPT/WELD	4" NPT	1.83
PSE1000	John Deere ES30021W	200 HP @ 2400	6" NPT/WELD	4" NPT	1.83
PSE1250	Cummins QSB6.7	215 HP @ 2500	6" NPT/WELD	4" NPT	1.93
PSE1250	Deutz TCD2013L06 2V	268 HP @ 2300	6" NPT/WELD	4" NPT	1.83
PSE1250	John Deere ES30244	225 HP @ 2400	6" NPT/WELD	4" NPT	1.83
PSE1500	Cummins QSB6.7	240 HP @ 2500	6" NPT/WELD	4" NPT	1.74
PSE1500	Deutz TCD2013L06 2V	268 HP @ 2300	6" NPT/WELD	4" NPT	1.83
PSE1500	John Deere ES30033	250 HP @ 2200	6" NPT/WELD	4" NPT	1.83

* Engine models subject to change.

ENGINE DIMENSIONS & WEIGHTS

ENGINE	DIMENSIONS	WEIGHT
Cummins QSB3.3	43"L x 29"W x 58"H	850 lbs.
Cummins QSB4.5	42"L x 34"W x 59"H	1270 lbs.
Cummins QSB6.7-205	58"L x 34"W x 67"H	1800 lbs.
Cummins QSB6.7-215	58"L x 34"W x 67"H	1800 lbs.
Cummins QSB6.7-260	58"L x 34"W x 67"H	1800 lbs.
Deutz BF4L914L05	36"L x 29"W x 33"H	860 lbs.
Deutz BF4L914L06	39"L x 29"W x 39"H	970 lbs.
Deutz TCD2012L06 2V	51"L x 32"W x 51"H	1120 lbs.
Deutz TCD2013L06 2V	51"L x 32"W x 51"H	1970 lbs.
John Deere ES3088T	45"L x 30"W x 52"H	1160 lbs.
John Deere ES30116W	62"L x 30"W x 59"H	1950 lbs.
John Deere ES30021W	62"L x 30"W x 59"H	1950 lbs.
John Deere ES30033	62"L x 30"W x 59"H	1950 lbs.

* Dimensions may vary dependent upon configurations and options.



FRONT/REAR MOUNTED PUMPS



Darley continues to offer a wide variety of Front and Rear Mount pump configurations available with engines from Cummins, Deutz, Ford, GMC, Isuzu and John Deere.

HF & HR PUMPS

The HF (Front Mount) and HR (Rear Mount) series pumps are rated at 250, 350 and 500 gpm @ 150 psi. HF pump design allows flexibility, as transmissions and pump casings can be rotated 360° to meet many applications.

KSR & KSRH PUMPS

Rated from 500, 750 and 1000 gpm @ 150 psi, the KSR pump is a compact solution for simple pumper applications. The KSRH, a rear mount, offers simultaneous high volume, high pressure applications.

LSF, LSR & LSRH PUMPS

The LS series pump is rated up to 1000 gpm, but offers plenty of excess capacity to flow over 1250 gpm in most applications. The LS pump is available as a front mount in the LSF, and as rear mounts in the LSR and with a high pressure booster pump in the LSRH.

PSF, PSR & PSRH PUMPS

The PS Series pumps are rated from 1000-1500 gpm. The front mounted PSF is available with a complete discharge manifold or as a low profile intra-cab pump system. The rear mount version, the PSR, is available in multiple configurations. Adding the second stage high pressure booster pump to the rear mount is the PSRH. PSR and PSRH pumps also can be driven via a split shaft transmission or PTO.

NFPA 13D FIRE SPRINKLER PUMPS

Darley now offers a full line of NFPA 13D residential fire sprinkler pumps with self testing patent-pending technology that will change the standard in residential fire protection.

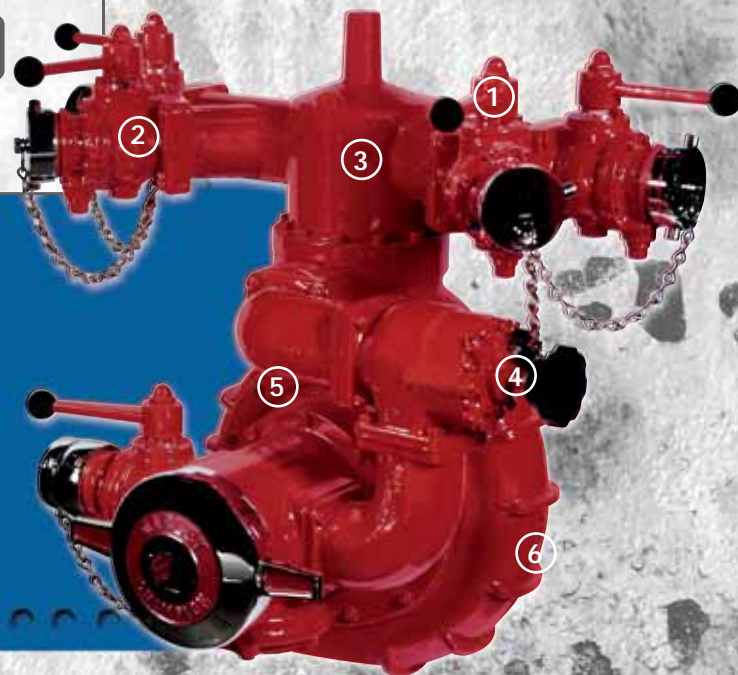
FEATURES THAT SET DARLEY PUMPS APART

1. Self locking discharge valves won't creep under high pressure
2. 316 stainless steel ball is hard wearing and corrosion resistant
3. Discharge check valve allows discharge gates to be open while priming. Pump holds prime during intermittent drafting.
4. Mounted discharge relief valve or an optional Darley AutoControl™ governor
5. All front and rear mounted pumps come standard with mechanical seals, injection packing is optional at no additional charge
6. Heavy duty 1000 lb. electric clutch standard on all front mounted pumps

PUMP	PAGE
HF 500 & HF - IC500	32
LSF 500, 750, 1000	32
PSF 1000, 1250, 1500	33
PSF - IC 1000, 1250, 1500	33
HR 500	34
JMR 500	34
KSR 500, 750, 1000	35
KSRH 500, 750, 1000	35
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LSRH 500, 750, 1000	36
PSR 1000, 1250, 1500	37
PSRH 1000, 1250, 1500	37
NFPA 13D FIRE SPRINKLER PUMPS	38

Front and rear mounts available in ratings from 500 to 1500 gpm at 150 psi.

FRONT/REAR MOUNTED

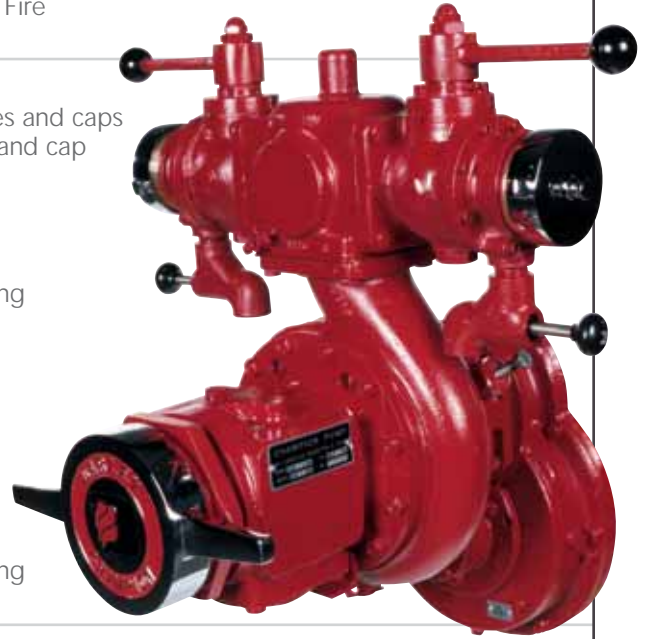


HF 500

HF 500 & HF - IC500

Single Stage, Centrifugal,
Front Mount Pump

DIMENSIONS	25"L x 19"W x 25"H, 235 lbs. (107 kg)
APPLICATIONS	<ul style="list-style-type: none"> • Mini Pumper • Tanker • Wildland/Attack Fire
FEATURES	<p>HF 500</p> <ul style="list-style-type: none"> • 2 - 2½" NH, ¼ turn, ball, discharge valves and caps • 4" NH or 3" NH suction adapter, screen and cap • 1 - 2½" NPT or 3" NPT suction tap • 1 - 2½" NPT discharge tap • Complete mounting kit • Heavy duty 400 ft. lb. electric clutch • Shock Control Module - prevents engaging clutch at high speeds <p>HF - IC500</p> <ul style="list-style-type: none"> • 4" NH or 3" NH suction adapter, screen and cap • 1 - 2½" NPT or 3" NPT suction tap • 1 - 2½" NPT discharge flange • Complete mounting kit • Heavy duty 400 ft. lb. electric clutch • Shock Control Module - prevents engaging clutch at high speeds
PERFORMANCE	<p>HF 500</p> <p>500 gpm (1893 L/M) @ 150 psi (10.3 bar) 350 gpm (1325 L/M) @ 200 psi (13.8 bar) 250 gpm (946 L/M) @ 250 psi (17.2 bar)</p> <p>HF - IC500</p> <p>500 gpm (1893 L/M) @ 150 psi (10.3 bar) 350 gpm (1325 L/M) @ 200 psi (13.8 bar) 250 gpm (946 L/M) @ 250 psi (17.2 bar)</p>



LSF 500, 750, 1000

Single Stage, Centrifugal,
Front Mount Pump

DIMENSIONS	28"L x 31"W x 31"H, 360 lbs. (163 kg)
APPLICATIONS	<ul style="list-style-type: none"> • Mini Pumper • Pumper • Pumper Tanker • Rescue Pumper
FEATURES	<ul style="list-style-type: none"> • Discharge manifold with 2½" NH, ¼ turn, ball, discharge valves and caps (2 - 500 gpm, 3 - 750 gpm, 4 - 1000 gpm) • 5" NH suction and cap • 4" NPT suction tap • Complete mounting kit • Heavy duty 1000 ft. lb. electric clutch • Shock Control Module - prevents engaging clutch at high speeds
PERFORMANCE	<p>1000 gpm (3785 L/M) @ 150 psi (10.3 bar) 700 gpm (2646 L/M) @ 200 psi (13.8 bar) 500 gpm (1893 L/M) @ 250 psi (17.2 bar)</p>



PSF 1000, 1250, 1500

Single Stage, Centrifugal,
Front Mount Pump

DIMENSIONS 33"L x 31"W x 33"H, 510 lbs. (232 kg)

APPLICATIONS

- Pumper
- Rescue Pumper
- Tanker

FEATURES

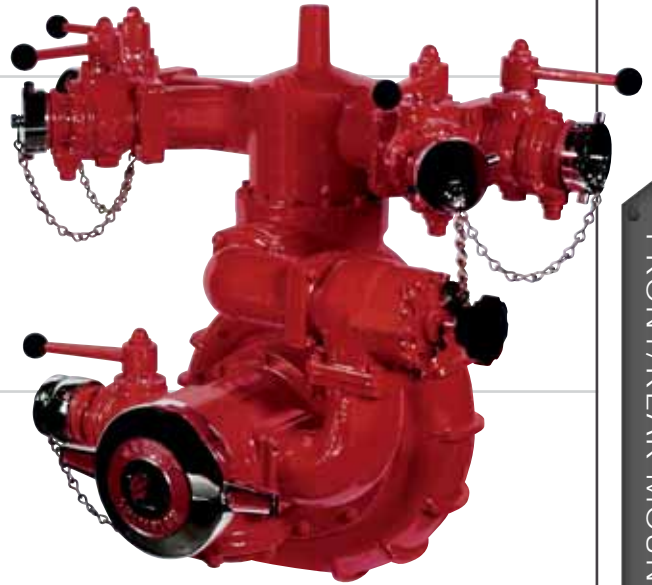
- Discharge manifold with 4 - 2½" NH, ¼ turn, ball, discharge valves and caps, mounted
- 3" NPT discharge tap
- 5" or 6" NH suction, screen and cap
- 4" NPT suction tap
- Complete mounting kit
- Heavy duty 1000 ft. lb. electric clutch
- Shock Control Module - prevents engaging clutch at high speeds

PERFORMANCE

PSF 1000
1000 gpm (3785 L/M) @ 150 psi (10.3 bar)
700 gpm (2646 L/M) @ 200 psi (13.8 bar)
500 gpm (1893 L/M) @ 250 psi (17.2 bar)

PSF 1250
1250 gpm (4731 L/M) @ 150 psi (10.3 bar)
875 gpm (3312 L/M) @ 200 psi (13.8 bar)
625 gpm (2365 L/M) @ 250 psi (17.2 bar)

PSF 1500
1500 gpm (5678 L/M) @ 150 psi (10.3 bar)
1050 gpm (3974 L/M) @ 200 psi (13.8 bar)
750 gpm (2839 L/M) @ 250 psi (17.2 bar)



FRONT/REAR MOUNTED

PSF - IC 1000, 1250, 1500

Single Stage, Intra-Cab Mounted Pump Driven
Off Front Crankshaft

DIMENSIONS 33"L x 18"W x 24"H, 650 lbs. (295 kg)

APPLICATIONS

- Pumper
- Rescue Pumper
- Tanker

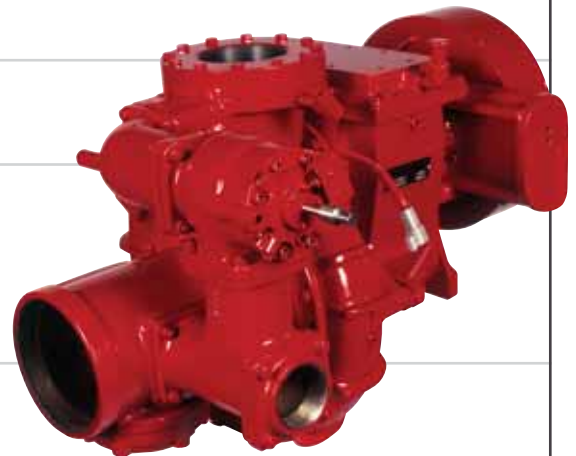
FEATURES

- 4" NPT discharge
- 6" NPT, weld flange or victaulic suction
- Complete mounting kit
- Heavy duty 1000 ft. lb electric clutch
- Shock Control Module - prevents engaging clutch at high speeds

PERFORMANCE

PSF - IC 1000
1000 gpm (3785 L/M) @ 150 psi (10.3 bar)
700 gpm (2646 L/M) @ 200 psi (13.8 bar)
500 gpm (1893 L/M) @ 250 psi (17.2 bar)

PSF - IC 1250
1250 gpm (4731 L/M) @ 150 psi (10.3 bar)
875 gpm (3312 L/M) @ 200 psi (13.8 bar)
625 gpm (2365 L/M) @ 250 psi (17.2 bar)



PSF - IC 1500
1500 gpm (5678 L/M) @ 150 psi (10.3 bar)
1050 gpm (3974 L/M) @ 200 psi (13.8 bar)
750 gpm (2839 L/M) @ 250 psi (17.2 bar)



HR 500

Single Stage, Centrifugal,
Rear Mount Pump

DIMENSIONS	21"L x 19"W x 25"H, 225 lbs. (102 kg)
APPLICATIONS	<ul style="list-style-type: none"> • Mini Pumper • Wildland/Attack Fire
FEATURES	<ul style="list-style-type: none"> • 2 - 2½" NH, ¼ turn, ball, discharge valves and caps • 4" NH or 3" NH suction adapter, screen and cap • 1 - 2½" NPT or 3" NPT suction cap • 1 - 2½" NPT discharge cap • Mounting angles
PERFORMANCE	500 gpm (1893 L/M) @ 150 psi (10.3 bar) 350 gpm (1325 L/M) @ 200 psi (13.8 bar) 250 gpm (946 L/M) @ 250 psi (17.2 bar)



JMR 500

Two Stage, Series, Parallel, Centrifugal,
Rear Mount Pump

DIMENSIONS	25"L x 12"W x 26"H, 250 lbs. (114 kg)
APPLICATIONS	<ul style="list-style-type: none"> • Mini Pumper • Wildland/Attack Fire
FEATURES	<ul style="list-style-type: none"> • 3 - 2½" NHT discharge flanges • Gear ratio to suit engine • Rotation: engine or opposite engine • 3 - 4" NPT suction inlets • Mounting angles
PERFORMANCE	500 gpm (1893 L/M) @ 150 psi (10.3 bar) 350 gpm (1325 L/M) @ 200 psi (13.8 bar) 250 gpm (946 L/M) @ 250 psi (17.2 bar) 100 gpm (378 L/M) @ 500 psi (34.5 bar)



SEE PAGES 81 - 84 FOR PUMP ACCESSORIES

- ADAPTERS
- BATTERY & CABLES
- REMOTE CONTROL PANEL
- DARLEY CONTROL PANEL
- FUEL TANKS
- HAND PRIMER
- ROLL CAGES
- SPARK ARRESTOR
- MECHANICAL SEAL
- INJECTION PACKING
- REMOTE PACKING
- ADJUSTMENT CABLE
- PUSH/PULL PRIMER VALVE
- ROTARY VANE PRIMER
- PUMP OVERHEAT PROTECTION SYSTEM
- MULTI-PORT ISOLATED VALVE
- DRAIN VALVE
- MASTER DRAIN
- DISCHARGE RELIEF VALVE
- SUCTION RELIEF VALVE
- VALVES
- AUTOCONTROL™ GOVERNOR
- SMART PANEL
- AIR FLOW METER
- MAINTENANCE KITS
- DUPLEX GAUGE
- ELECTRIC TACH, HAND SPEED COUNTER
- NOZZLES
- CAFS VALVE PACKAGES
- CHROME CAPS & CHAINS
- MAGNESIUM ANODE
- BUTTERFLY VALVES
- ELECTRIC BUTTERFLY VALVE WITH MANUAL OVERRIDE



KSR 500, 750, 1000

Single Stage, Centrifugal,
Rear Mount Pump

DIMENSIONS

29"L x 31"W x 31"H, 360 lbs. (163 kg)

APPLICATIONS

- Mini Pumper
- Pumper
- Rescue Pumper
- Wildland/Attack Fire

FEATURES

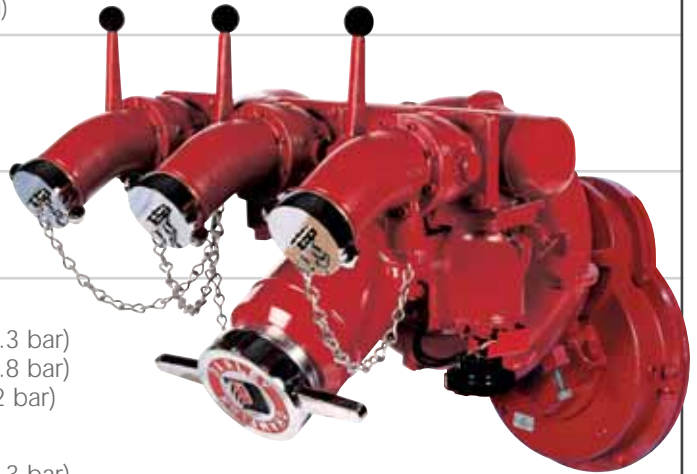
- 3" NPT discharge flange
- 5" NH suction and cap
- 4" NPT suction cap

PERFORMANCE

KSR 500
500 gpm (1893 L/M) @ 150 psi (10.3 bar)
350 gpm (1325 L/M) @ 200 psi (13.8 bar)
250 gpm (946 L/M) @ 250 psi (17.2 bar)

KSR 750
750 gpm (2839 L/M) @ 150 psi (10.3 bar)
525 gpm (1987 L/M) @ 200 psi (13.8 bar)
375 gpm (1419 L/M) @ 250 psi (17.2 bar)

KSR 1000
1000 gpm (3785 L/M) @ 150 psi (10.3 bar)
700 gpm (2646 L/M) @ 200 psi (13.8 bar)
500 gpm (1893 L/M) @ 250 psi (17.2 bar)



FRONT/REAR MOUNTED

KSRH 500, 750, 1000

Single Stage, Centrifugal, Rear Mount Pump
with Independent Second Stage

DIMENSIONS

33"L x 31"W x 34"H, 510 lbs. (232 kg)

APPLICATIONS

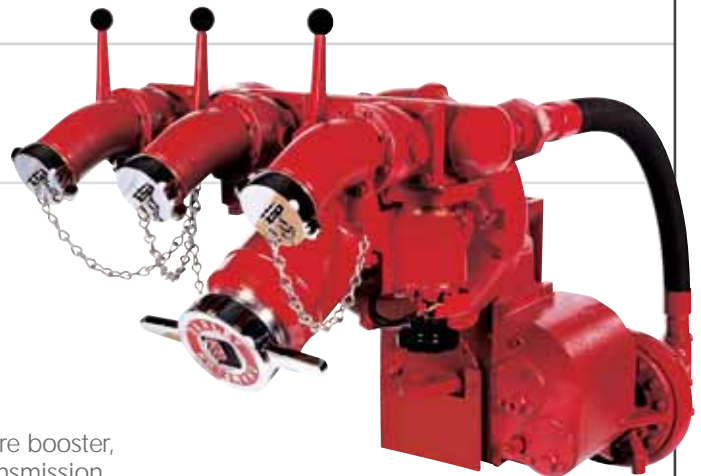
- Pumper
- Pumper Tanker
- Rescue Pumper
- Wildland/Attack Fire

FEATURES

- Discharge manifold with 2 1/2" NH, 1/4 turn, ball, discharge valves and caps, (2 - 500 gpm, 3 - 750 gpm, 4 - 1000 gpm) mounted
- 3" NPT discharge flange
- 5" NH suction and cap
- 4" NPT suction tap
- Complete mounting kit
- Independent 2nd stage, high pressure booster, mounted direct to main pump transmission

PERFORMANCE

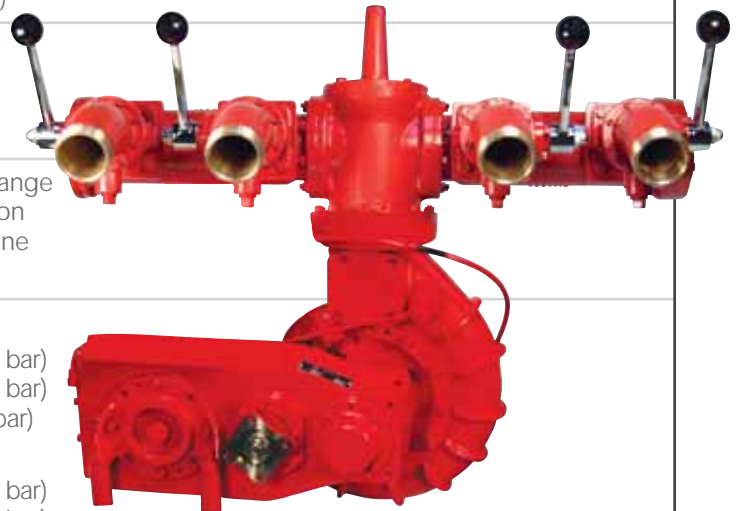
<p>KSRH 500 500 gpm (1893 L/M) @ 150 psi (10.3 bar) 350 gpm (1325 L/M) @ 200 psi (13.8 bar) 250 gpm (946 L/M) @ 250 psi (17.2 bar)</p> <p>KSRH 750 750 gpm (2839 L/M) @ 150 psi (10.3 bar) 525 gpm (1987 L/M) @ 200 psi (13.8 bar) 375 gpm (1419 L/M) @ 250 psi (17.2 bar)</p>	<p>KSRH 1000 1000 gpm (3785 L/M) @ 150 psi (10.3 bar) 700 gpm (2646 L/M) @ 200 psi (13.8 bar) 500 gpm (1893 L/M) @ 250 psi (17.2 bar)</p> <p>KSRH High Pressure 200 gpm (757 L/M) @ 400 psi (27.6 bar) 100 gpm (379 L/M) @ 500 psi (34.5 bar)</p>
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LSR 500, 750, 1000

Single Stage, Centrifugal, PTO Driven,
3 Gear Gearcase

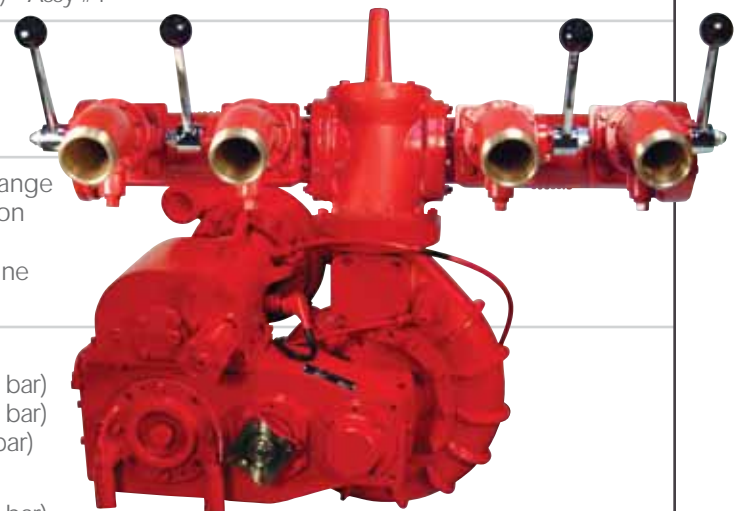
DIMENSIONS	34"H x 38"W x 26"D, 435 lbs. (197 kg)
APPLICATIONS	<ul style="list-style-type: none"> • Pumper • Pumper Tanker • Rescue Pumper • Tanker
FEATURES	<ul style="list-style-type: none"> • 4" or 5" NPT or weld discharge flange • 5" or 6" NPT or weld flange suction • Rotation: Engine or opposite engine • 1410 lock on yoke
PERFORMANCE	<p>LSR 500</p> <p>500 gpm (1893 L/M) @ 150 psi (10.3 bar) 350 gpm (1325 L/M) @ 200 psi (13.8 bar) 250 gpm (946 L/M) @ 250 psi (17.2 bar)</p> <p>LSR 750</p> <p>750 gpm (2839 L/M) @ 150 psi (10.3 bar) 525 gpm (1987 L/M) @ 200 psi (13.8 bar) 375 gpm (1419 L/M) @ 250 psi (17.2 bar)</p> <p>LSR 1000</p> <p>1000 gpm (3785 L/M) @ 150 psi (10.3 bar) 700 gpm (2646 L/M) @ 200 psi (13.8 bar) 500 gpm (1893 L/M) @ 250 psi (17.2 bar)</p>



LSRH 500, 750, 1000

Single Stage, Centrifugal, PTO Driven,
3 Gear Gearcase

DIMENSIONS	34"H x 38"W x 33"D, 446 lbs. (202 kg) - Assy #1
APPLICATIONS	<ul style="list-style-type: none"> • Pumper • Pumper Tanker • Rescue Pumper • Tanker
FEATURES	<ul style="list-style-type: none"> • 4" or 5" NPT or weld discharge flange • 5" or 6" NPT or weld flange suction • 2nd stage pump • Rotation: Engine or opposite engine • 1410 lock on yoke
PERFORMANCE	<p>LSRH 500</p> <p>500 gpm (1893 L/M) @ 150 psi (10.3 bar) 350 gpm (1325 L/M) @ 200 psi (13.8 bar) 250 gpm (946 L/M) @ 250 psi (17.2 bar)</p> <p>LSRH 750</p> <p>750 gpm (2839 L/M) @ 150 psi (10.3 bar) 525 gpm (1987 L/M) @ 200 psi (13.8 bar) 375 gpm (1419 L/M) @ 250 psi (17.2 bar)</p> <p>LSRH 1000</p> <p>1000 gpm (3785 L/M) @ 150 psi (10.3 bar) 700 gpm (2646 L/M) @ 200 psi (13.8 bar) 500 gpm (1893 L/M) @ 250 psi (17.2 bar)</p>



LSRH High Pressure

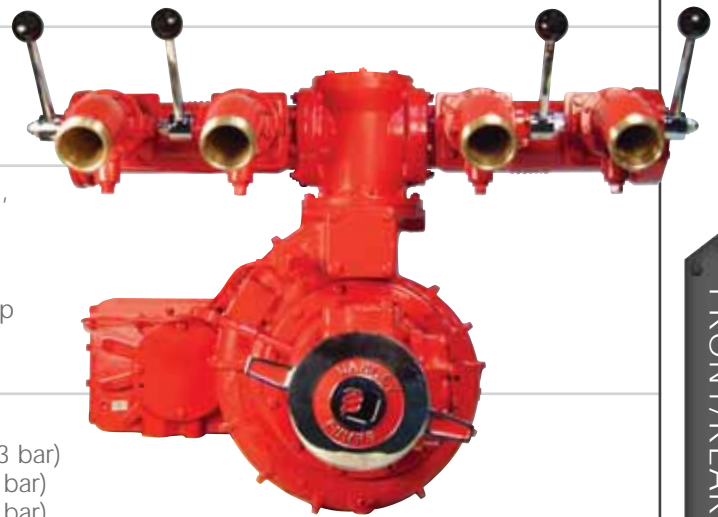
200 gpm (757 L/M) @ 500 psi (34.5 bar)
100 gpm (379 L/M) @ 600 psi (41.3 bar)



PSR 1000, 1250, 1500

Single Stage, Centrifugal,
Rear Mount Pump

DIMENSIONS	34"H x 40"W x 27"D, 692 lbs. (314 kg)
APPLICATIONS	<ul style="list-style-type: none"> • Pumper • Pumper Tanker • Rescue Pumper • Tanker
FEATURES	<ul style="list-style-type: none"> • Discharge manifold with 4 - 2½" NH, ¼ turn, ball, discharge valves and caps, mounted • 3" NPT discharge tap • 5" or 6" NH suction, screen and cap • 4" NPT suction tap • Complete mounting kit
PERFORMANCE	<p>PSR 1000 1000 gpm (3785 L/M) @ 150 psi (10.3 bar) 700 gpm (2646 L/M) @ 200 psi (13.8 bar) 500 gpm (1893 L/M) @ 250 psi (17.2 bar)</p> <p>PSR 1250 1250 gpm (4731 L/M) @ 150 psi (10.3 bar) 875 gpm (3312 L/M) @ 200 psi (13.8 bar) 625 gpm (2365 L/M) @ 250 psi (17.2 bar)</p>



PSR 1500 1500 gpm (5678 L/M) @ 150 psi (10.3 bar) 1050 gpm (3974 L/M) @ 200 psi (13.8 bar) 750 gpm (2839 L/M) @ 250 psi (17.2 bar)
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FRONT/REAR MOUNTED

PSRH 1000, 1250, 1500

Single Stage, Centrifugal,
PTO Driven 3 Gear Gearcase

DIMENSIONS	34"H x 40"W x 36"D, 782 lbs. (354 kg)
APPLICATIONS	<ul style="list-style-type: none"> • Pumper • Pumper Tanker • Rescue Pumper • Tanker
FEATURES	<p>ASSEMBLY #1</p> <ul style="list-style-type: none"> • 4" or 5" NPT or weld discharge flange • 2nd stage pump • 5" or 6" NPT or weld flange suction • Rotation: Engine or opposite engine • 1410 lock on yoke <p>ASSEMBLY #3</p> <ul style="list-style-type: none"> • Discharge manifold with 4-2½" NH, ¼ turn, ball, discharge valves and caps, mounted • 3" NPT discharge tap • 5" or 6" NPT or weld flange suction
PERFORMANCE	<p>PSRH 1000 1000 gpm (3785 L/M) @ 150 psi (10.3 bar) 700 gpm (2646 L/M) @ 200 psi (13.8 bar) 500 gpm (1893 L/M) @ 250 psi (17.2 bar)</p> <p>PSRH 1250 1250 gpm (4731 L/M) @ 150 psi (10.3 bar) 875 gpm (3312 L/M) @ 200 psi (13.8 bar) 625 gpm (2365 L/M) @ 250 psi (17.2 bar)</p>



PSRH 1500 1500 gpm (5678 L/M) @ 150 psi (10.3 bar) 1050 gpm (3974 L/M) @ 200 psi (13.8 bar) 750 gpm (2839 L/M) @ 250 psi (17.2 bar)
PSRH High Pressure 200 gpm (757 L/M) @ 500 psi (34.5 bar) 100 gpm (379 L/M) @ 600 psi (41.3 bar)



NFPA 13D FIRE SPRINKLER PUMPS

FRONT/REAR MOUNTED

STANDARD

FEATURES

- Industrial duty stainless steel vertical inline pump
- Cartridge type mechanical seal
- High efficiency TEFC industrial/commercial duty motor
- Suction manifold with suction gauge and locking ball valve
- Discharge manifold with check valve, pressure gauge, and locking ball valve
- Wall mounted enclosure with pressure switch, relay, and restart time delay
- Optional flow switch



STANDARD PLUS - WITH PUMPERCISER

FEATURES

- Same pump and manifold features as Standard System as well as:
- Standard Plus control panel

CONTROL PANEL FEATURES

- The residential markets only automatic pump exerciser called the "Pumperciser" which will provide a weekly automatic start/stop of the pump
- NEMA 2 red enclosure
- Motor HP rated disconnect switch
- Integrated minimum run timer and restart time delay
- Integrated mechanical pressure switch with single adjusting dial and 10 psi fixed differential reset
- Weekly exercise timer
- Remote start input
- Power on indication light
- Third party monitoring contacts for pump running and power failure
- Brass bulkhead connection for discharge pressure sensing line



SELF TESTING SYSTEM

FEATURES

- Same pump and manifold features as Standard System as well as:
- Suction manifold with pressure sensing line and locking ball valve
- Discharge manifold with check valve, pressure sensing line, and locking ball valve
- Market's only control panel featuring push button calibration
- Market's only control panel with web browser and email capability
- Market's only Self Testing control panel
- Self Testing panel includes

CONTROL PANEL FEATURES

- The market's only automatic drop in pressure pump start test – A true test of the pump functionality
- Web browser and email capability with a user defined IP address. Status of Pump Running, Test Mode Active, Test Successful, and System Fault Light can be monitored and emailed
- The market's only dual transducer based system with brass bulkhead fittings
- The market's only panel with a "green check mark" notification on panel face to indicating system is charged and ready
- NEMA 2 red enclosure
- Motor HP rated disconnect switch
- Motor contactor



FIRE SPRINKLER PUMPS
by **Darley**





PTO PUMPS

Darley has a wide variety of PTO and hydraulically driven pumps with flows up to 1500 gpm ideal for pump and roll applications.

AG PUMPS

Rated up to 325 gpm @ 150 psi, the 1½ AG and 2½ AG pumps are a compact solution for pump and roll pumper applications. The 2½ AG has flows up to 325 gpm. Both pumps offer pressures of up to 300 psi.

HM PUMPS

The HM series pumps have been a best seller for almost 30 years. These high performance compact pumps are rated at 250, 350 and 500 gpm @ 150 psi. HM pump design allows flexibility, as transmissions and pump casings can be rotated 360° to meet many applications.

JMP PUMPS

The two-stage design allows for 500 gpm @ 150 psi, and pressures up to 600 psi. JMP pumps are the choice of many wildland customers from the California Department of Forestry to the U.S. Forest Service.

KSP & LSP PUMPS

Rated at 500, 750 and 1000 gpm @ 150 psi, the KSP and LSP pumps are compact solution for pump and roll pumper applications. The LSP uses many of the same castings as our popular LDM series pumps, allowing us to reduce costs through mass customization.

PSP PUMPS

The PSP is an ideal solution for economical pumpers and tankers due to reduced installation cost, while offering pump and roll capability. Its compact design means less space and weight on the vehicle, while allowing for flows over 1500 gpm.

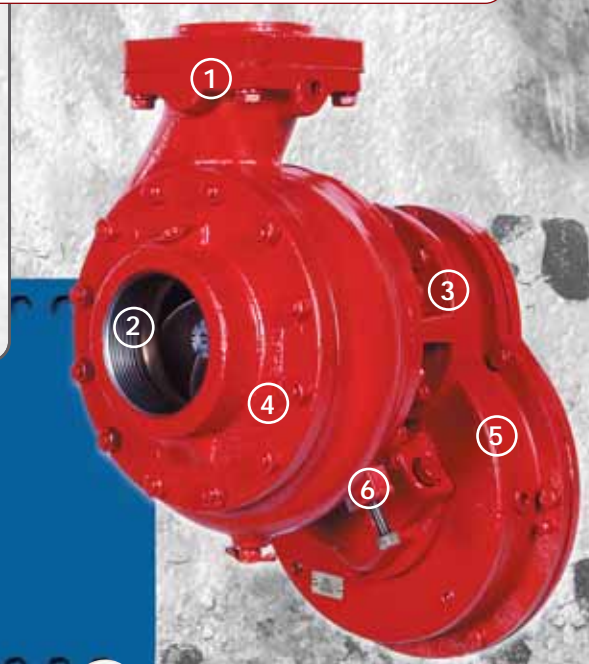
ZSP PUMPS

The Darley ZSP is the highest flowing PTO pump on the market with ratings from 2500-3500 gpm when supplied with ample power through a PTO or engine drive. Excess capacity is available to be tapped with a large engine and the utilization of a power divider.

PUMP	PAGE
1 1/2AG & 2 1/2AG	40
1 1/2AGH 2 1/2AGH	40
1 1/2AGD 2 1/2AGD	42
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FEATURES THAT SET DARLEY PUMPS APART

1. Flows up to 1500 gpm
2. Pipe thread, weld flange or victaulic grooves available
3. Two and three gear transmission available
4. Lightweight and compact design
5. Gear box can be easily rotated
6. All PTO pumps come standard with mechanical seals, injection packing is optional at no additional cost



PTO

1 1/2AG & 2 1/2AG

Single Stage, Centrifugal, PTO Driven, Gear Driven

DIMENSIONS

1 1/2AG: 12"L x 9"W x 12"H, 40 lbs. (18.2 kg)
 2 1/2AG: 12"L x 9"W x 13"H, 45 lbs. (20.4 kg)

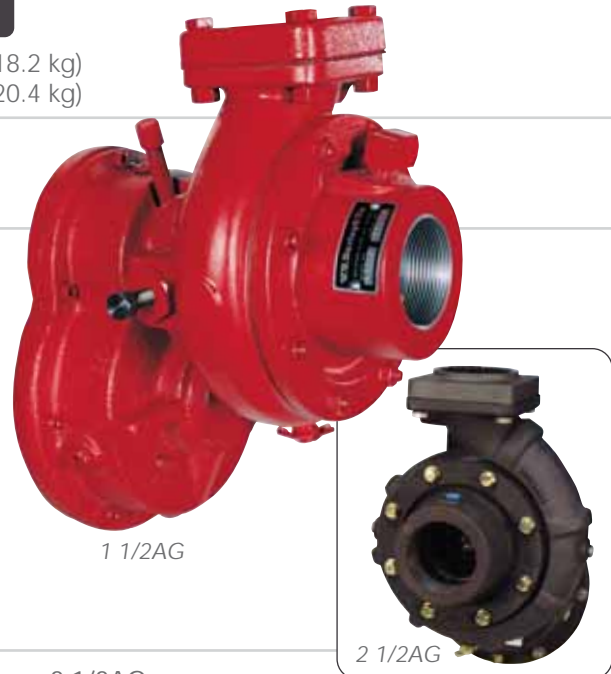
APPLICATIONS

- Mini Pumper
- Tanker
- Wildland/Attack Fire

FEATURES

- Aluminum alloy casing
- Aluminum alloy gear case
- Bronze impeller and wear rings
- Stainless steel impeller shaft
- Heat treated alloy steel helical gears
- Ball bearing construction
- Mechanical seal

- 1 1/2AG
- 2" NPT suction
 - 2" NPT flange on discharge
- 2 1/2AG
- 2 1/2" NPT suction
 - 2 1/2" NPT flange on discharge



1 1/2AG

2 1/2AG

PERFORMANCE

1 1/2AG
 150 gpm (568 L/M) @ 80 psi (5.5 bar)
 100 gpm (379 L/M) @ 200 psi (13.8 bar)
 35 gpm (132 L/M) @ 300 psi (20.7 bar)

2 1/2AG
 325 gpm (1230 L/M) @ 150 psi (10.3 bar)
 260 gpm (984 L/M) @ 200 psi (13.8 bar)
 140 gpm (530 L/M) @ 300 psi (20.7 bar)

PTO

1 1/2AGH & 2 1/2AGH

Single Stage, Centrifugal,
 Hydraulic Driven, Gear Driven

DIMENSIONS

1 1/2AGH: 12"L x 9"W x 13"H, 45 lbs. (21 kg)
 2 1/2AGH: 12"L x 9"W x 14"H, 45 lbs. (21 kg)

APPLICATIONS

- Mini Pumper
- Tanker
- Wildland/Attack Fire

FEATURES

- Aluminum alloy casing
- Aluminum alloy gear case
- Bronze impeller and wear rings
- Stainless steel impeller shaft
- 13T 16/32 involute spline
- Heat treated alloy steel helical gears
- Ball bearing construction
- SAE "B" hydraulic drive adapter
- Mounting angles
- Mechanical seal

- 1 1/2AGH
- 2" NPT suction
 - 2" NPT flange on discharge
- 2 1/2AGH
- 2 1/2" NPT suction
 - 2 1/2" NPT flange on discharge



1 1/2AGH

ASK ABOUT OUR
 HYDRAULIC DRIVE
 PACKAGES

PERFORMANCE

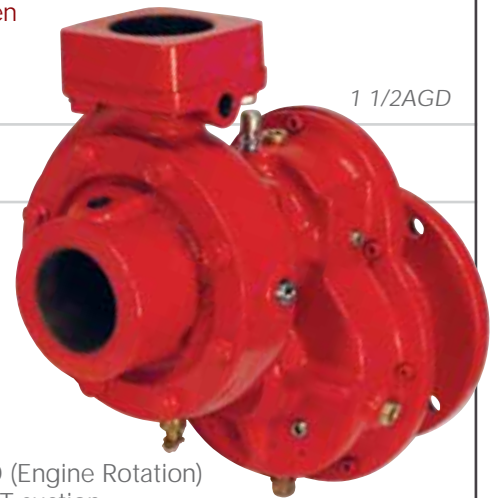
1 1/2AGH
 150 gpm (568 L/M) @ 80 psi (5.5 bar)
 100 gpm (379 L/M) @ 200 psi (13.8 bar)
 35 gpm (132 L/M) @ 300 psi (20.7 bar)

2 1/2AGH
 325 gpm (1230 L/M) @ 150 psi (10.3 bar)
 260 gpm (984 L/M) @ 200 psi (13.8 bar)
 140 gpm (530 L/M) @ 300 psi (20.7 bar)



1 1/2AGD & 2 1/2AGD

Single Stage, Centrifugal, Direct PTO Mounted, Gear Driven



1 1/2AGD

DIMENSIONS	1 1/2 AGD: 12"L x 7"W x 12"H, 48 lbs. (22 kg) 2 1/2 AGD: 12"L x 9"W x 14"H, 50 lbs. (23 kg)	
APPLICATIONS	<ul style="list-style-type: none"> • Mini Pumper • Tanker 	<ul style="list-style-type: none"> • Wildland/ Attack Fire
FEATURES	<ul style="list-style-type: none"> • Aluminum alloy casing • Aluminum alloy gear case • Bronze impeller and wear rings • Stainless steel impeller shaft • Heat treated alloy steel helical gears • Ball bearing construction • Adapters for direct mount • Mechanical seal 	
PERFORMANCE	1 1/2AGD	2 1/2AGD (Engine Rotation)
	<ul style="list-style-type: none"> • 2" NPT suction • 2" NPT flange on discharge 	<ul style="list-style-type: none"> • 2 1/2" NPT suction • 2 1/2" NPT discharge
	<p>1 1/2AGD</p> <ul style="list-style-type: none"> 150 gpm (568 L/M) @ 80 psi (5.5 bar) 100 gpm (379 L/M) @ 200 psi (13.8 bar) 35 gpm (132 L/M) @ 300 psi (20.7 bar) 	<p>2 1/2AGD</p> <ul style="list-style-type: none"> 325 gpm (1230 L/M) @ 150 psi (10.3 bar) 260 gpm (984 L/M) @ 200 psi (13.8 bar) 140 gpm (530 L/M) @ 300 psi (20.7 bar)

HH 250, 350, 500

Single Stage, Centrifugal, Hydraulic Driven



DIMENSIONS	12"L x 19"W x 14"H, 145 lbs. (66 kg)	
APPLICATIONS	<ul style="list-style-type: none"> • Mini Pumper • Tanker 	<ul style="list-style-type: none"> • Wildland/ Attack Fire
FEATURES	<p>Assembly #1</p> <ul style="list-style-type: none"> • Rotation: Engine or opposite engine • Gear ratio: 4.38 to 1 or 2.90 to 1 • Heat treated gears are standard • Tachometer/speed counter output • SAE "C" adapter • 12/24-14T involute female spline • Mounting angles • 3" NPT suction (HH250 & HH350) • 4" NPT suction (HH500) • 2 1/2" NPT discharge <p>Assembly #2</p> <ul style="list-style-type: none"> • SAE "C" adapter • 12/24-14T involute female spline • Mounting angles • 3 - 3" NPT suction (HH250 & HH350) • 3 - 4" NPT suction taps (HH500) • 2 - 2 1/2" NPT discharge 	
PERFORMANCE	HH 250	HH 500
	<ul style="list-style-type: none"> 250 gpm (946 L/M) @ 150 psi (10.3 bar) 175 gpm (662 L/M) @ 200 psi (13.8 bar) 125 gpm (473 L/M) @ 250 psi (17.5 bar) <p>HH 350</p> <ul style="list-style-type: none"> 350 gpm (1325 L/M) @ 150 psi (10.3 bar) 245 gpm (927 L/M) @ 200 psi (13.8 bar) 175 gpm (662 L/M) @ 250 psi (17.2 bar) 	<ul style="list-style-type: none"> • Mounting angles • 2 - 2 1/2" NH, 1/4 turn, ball, valves and caps • 2 - 3" NH suction adapters and caps (HH250 & HH350) • 2 - 4" NH suction adapters and caps (HH500) • 3" NPT suction (HH250 & HH350) • 4" NPT suction (HH500) • 2 - 2 1/2" NPT tapped openings on discharge manifolds • 2 - 2 1/2" NPT tapped openings on suction • Body width: 70" - 72" <ul style="list-style-type: none"> 500 gpm (1893 L/M) @ 150 psi (10.3 bar) 350 gpm (1325 L/M) @ 200 psi (13.8 bar) 250 gpm (946 L/M) @ 250 psi (17.2 bar)



LSH 500, 750, 1000

Single Stage, Centrifugal, Hydraulic Driven,
Gear Driven

ASK ABOUT OUR
HYDRAULIC DRIVE
PACKAGES

DIMENSIONS 18"L x 14"W x 22"H, 235 lbs. (107 kg)

APPLICATIONS

- Mini Pumper
- Tanker
- Wildland/Attack Fire

FEATURES

- Aluminum alloy casing
- Aluminum alloy gear case
- Bronze impeller and wear rings
- Stainless steel impeller shaft
- Heat treated alloy steel helical gears
- Ball bearing construction
- Rotation: Engine or opposite engine
- SAE "C" hydraulic drive adapter
- 14T 12/24 involute spline
- Mechanical seal
- 3" or 4" NPT discharge
- 5" or 6" NPT weld flange



PERFORMANCE

LSH 500
500 gpm (1893 L/M) @ 150 psi (10.3 bar)
350 gpm (1325 L/M) @ 200 psi (13.8 bar)
250 gpm (946 L/M) @ 250 psi (17.2 bar)

LSH 750
750 gpm (2839 L/M) @ 150 psi (10.3 bar)
525 gpm (1987 L/M) @ 200 psi (13.8 bar)
375 gpm (1419 L/M) @ 250 psi (17.2 bar)

LSH 1000
1000 gpm (3785 L/M) @ 150 psi (10.3 bar)
700 gpm (2646 L/M) @ 200 psi (13.8 bar)
500 gpm (1893 L/M) @ 250 psi (17.2 bar)

PTO

H 100 BOOSTER PUMP

Single Stage, Centrifugal, High Pressure Booster

PRESSURE UP
TO 600 PSI

DESCRIPTION Can be added to any Midship or PTO pump for simultaneous high flow, high pressure with pressure up to 600 psi

DIMENSIONS 13"L x 13"W x 15"H, 120 lbs. (54 kg)

APPLICATIONS

- Pumper
- Wildland/Attack Fire

FEATURES

- 2 - 1½" NPT discharge outlets
- 1½" or 2" NPT suction inlet

OPTIONS

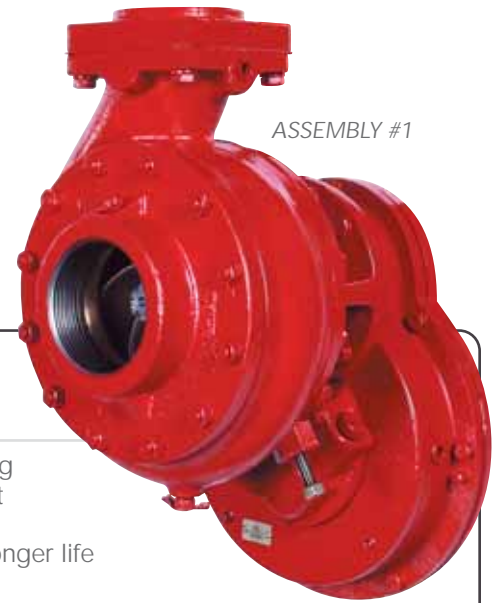
- Available as hydraulic, direct or PTO



HM 250, 350, 500

Single Stage, Centrifugal

The HM pump has been a top seller for Darley and the industry for many years due to its compact design, capacity, durability and simplicity in maintenance. The HM is an ideal pump for tanker applications, brush trucks and mini pumpers, and provides excellent pump and roll performance. The compact design also allows it to fit into tight spots in retrofits of existing apparatus. The HM pump is available in three different assembly levels, from the pump only to a fully manifolded offering to meet all needs.



ASSEMBLY #1

APPLICATIONS	<ul style="list-style-type: none"> • Mini Pumper • Tanker • Wildland/Attack Fire
FEATURES	<ul style="list-style-type: none"> • Vertically split, cast iron bronze fitted pump casing • Impellers opposed design to eliminate end thrust • Broached impeller (not keyed) for longer life • Oversized, deep groove radial type bearings for longer life • 10 tooth splined shaft for durability • Helical cut gears
PERFORMANCE	<p>HM 250 250 gpm (946 L/M) @ 150 psi (10.3 bar) 175 gpm (662 L/M) @ 200 psi (13.8 bar) 125 gpm (473 L/M) @ 250 psi (17.5 bar)</p> <p>HM 350 350 gpm (1325 L/M) @ 150 psi (10.3 bar) 245 gpm (927 L/M) @ 200 psi (13.8 bar) 175 gpm (662 L/M) @ 250 psi (17.2 bar)</p> <p>HM 500 500 gpm (1892 L/M) @ 150 psi (10.3 bar) 350 gpm (1324 L/M) @ 200 psi (13.8 bar) 250 gpm (946 L/M) @ 250 psi (17.2 bar)</p>



ASSEMBLY #2



ASSEMBLY #3

ASSEMBLY #1

Single stage, centrifugal pump, gearbox assembly, 2 1/2" NPT discharge, 3" NPT suction (HM250/350) 4" NPT suction (HM500)

DIMENSIONS

HM250/HM350: 15"L x 11"W x 18"H, 127 lbs. (58 kg)

HM500: 16"L x 11"W x 18"H, 140 lbs. (64 kg)

ASSEMBLY #2

Single stage, centrifugal pump, gearbox assembly, suction elbow, discharge head with check valve, 2 - 2 1/2" NPT discharge, 3 - 3" suction (HM250/350), 3 - 4" victaulic suction (HM500)

DIMENSIONS

HM250/HM350: 25"L x 14"W x 31"H, 150 lbs. (68 kg)

HM500: 27"L x 16"W x 34"H, 200 lbs. (91 kg)

ASSEMBLY #3

Single stage, centrifugal pump, gearbox assembly, suction elbow, discharge head with check valve, complete manifolds, discharge valves, adapters and caps, 2 - 2 1/2" NH 1/4 turn ball valves, 2 - 3" NH suction adapters and caps (HM250/350), 2 - 4" NH suction adapters and caps (HM500)

DIMENSIONS

HM250/HM350: 25"L x Body Width x 31"H, 325 lbs. (148 kg)

HM500: 27"L x Body Width x 34"H, 425 lbs. (193 kg)



HSP 250

Single Stage, High Pressure, Centrifugal, PTO Driven

DIMENSIONS 15"L x 11"W x 18"H, 127 lbs. (58 kg)

APPLICATIONS

- Mini Pumper
- Tanker
- Wildland/Attack Fire

FEATURES

Assembly #1

- 2 1/2" NPT discharge
- 3" or 4" NPT suction
- Rotation: Engine only
- Gear ration: 3.95 to 1 or 2.85 to 1
- Heat treated gears are standard
- Mounting angles
- 1310/1410 lock on companion drive flange

Assembly #2

- 2 - 2 1/2" NPT discharge
- 2 - 3" or 4" NPT suction

Assembly #3

- 2 - 2 1/2" NH, 1/4 turn, ball, valves and caps
- 2 - 3" or 4" NH suction with adapters and caps
- 2 - 2 1/2" NPT tapped openings on discharge manifolds
- 2 - 2 1/2" NPT tapped openings on suction
- Body width: 70" - 72"

PERFORMANCE

400 gpm (1514 L/M) @ 50 psi (3.44 bar)
 300 gpm (1135 L/M) @ 300 psi (20.68 bar)
 200 gpm (756 L/M) @ 300 psi (20.68 bar)
 150 gpm (568 L/M) @ 400 psi (27.58 bar)



PTO

JMP 500 & JMP 500 NH

Two Stage, Series/Parallel, Centrifugal, PTO Driven

DIMENSIONS 24 1/2"L x 12"W x 26"H, 250 lbs. (114 kg)

APPLICATIONS

- Mini Pumper
- Pumper
- Wildland/Attack Fire

FEATURES

- 3 - 2 1/2" NPT discharge flanges
- 3 - 4" NPT suction flanges
- Rotation: engine or opposite engine
- Gear ratio to fit PTO
- Mounting angles
- 1310/1410 lock on companion drive flange
- JMP 500 NH: Manual control staging valve

CHOICE OF THE
 U.S. FOREST SERVICE
 AND CALIFORNIA
 DEPT. OF FORESTRY



PERFORMANCE

JMP 500

500 gpm (1893 L/M) @ 150 psi (10.3 bar)
 375 gpm (1325 L/M) @ 200 psi (13.8 bar)
 250 gpm (946 L/M) @ 250 psi (17.2 bar)
 100 gpm (378 L/M) @ 500 psi (34.5 bar)

JMP 500 NH (Normal Pressure, High Pressure)
 Simultaneous for normal pressure, high pressure
 200 gpm (756 L/M) @ 110 psi (7.6 bar)
 100 gpm (378 L/M) @ 290 psi (20.0 bar)



JMP 500 3-GEAR



KSP 500, 750, 1000

Single Stage, Centrifugal Pump, PTO Driven,
2 Gear Gearcase

DIMENSIONS 18"L x 14"W x 22"H, 215 lbs. (98 kg)

APPLICATIONS

- Pumper
- Pumper Tanker
- Tanker
- Wildland/Attack Fire

FEATURES

- 4" NPT discharge
- 5" or 6" NPT, weld flange
- Rotation: engine or opposite engine
- 1410 lock on yoke
- Mounting angles

OPTIONS

- 3 gear transmission

PERFORMANCE

KSP 500
 500 gpm (1893 L/M) @ 150 psi (10.3 bar)
 350 gpm (1325 L/M) @ 200 psi (13.8 bar)
 250 gpm (946 L/M) @ 250 psi (17.2 bar)

KSP 750
 750 gpm (2839 L/M) @ 150 psi (10.3 bar)
 525 gpm (1987 L/M) @ 200 psi (13.8 bar)
 375 gpm (1419 L/M) @ 250 psi (17.2 bar)

KSP 1000
 1000 gpm (3785 L/M) @ 150 psi (10.3 bar)
 700 gpm (2646 L/M) @ 200 psi (13.8 bar)
 500 gpm (1893 L/M) @ 250 psi (17.2 bar)



ASSEMBLY #1

KSPAH 500, 750, 1000

Single Stage, Centrifugal, PTO Driven,
Midship Mounted, Independent 2nd Stage

DIMENSIONS 42"L x 82"W x 37"H, 680 lbs. (309 kg)

APPLICATIONS

- Pumper
- Pumper Tanker
- Rescue Pumper
- Wildland/Attack Fire

FEATURES

- Air operated clutch for 2nd stage
- 1410 input flange and mounting kit

Assembly #2

- 3" or 4" NPT discharge
- 5" or 6" NPT, weld flange

Assembly #3

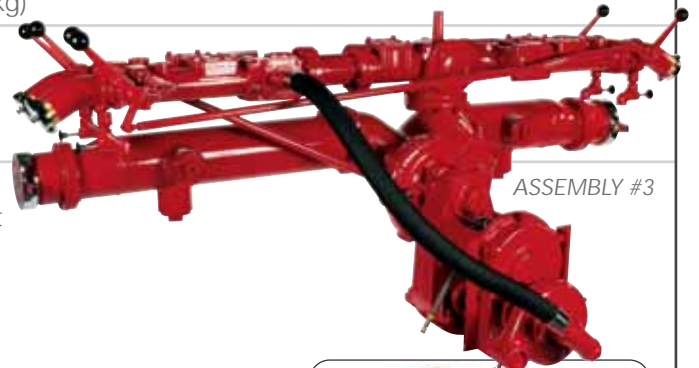
- 4 - 2 1/2" NH 1/4 turn, ball valves and caps, mounted
- 2 - NH suction adapters, screens and caps
- 6 - 3" booster discharge openings as needed

PERFORMANCE

KSPAH 500
 500 gpm (1893 L/M) @ 150 psi (10.3 bar)
 350 gpm (1325 L/M) @ 200 psi (13.8 bar)
 250 gpm (946 L/M) @ 250 psi (17.2 bar)
 High Pressure
 200 gpm (757 L/M) @ 400 psi (27.6 bar)
 100 gpm (379 L/M) @ 500 psi (34.5 bar)

KSPAH 750
 750 gpm (2839 L/M) @ 150 psi (10.3 bar)
 525 gpm (1987 L/M) @ 200 psi (13.8 bar)
 375 gpm (1419 L/M) @ 250 psi (17.2 bar)
 High Pressure
 200 gpm (757 L/M) @ 400 psi (27.6 bar)
 100 gpm (379 L/M) @ 500 psi (34.5 bar)

KSPAH 1000
 1000 gpm (3785 L/M) @ 150 psi (10.3 bar)
 700 gpm (2646 L/M) @ 200 psi (13.8 bar)
 500 gpm (1893 L/M) @ 250 psi (17.2 bar)
 High Pressure
 200 gpm (757 L/M) @ 400 psi (27.6 bar)
 100 gpm (379 L/M) @ 500 psi (34.5 bar)



ASSEMBLY #3



ASSEMBLY #2



LSP 500, 750, 1000

Single Stage, Centrifugal, PTO Driven

ASSEMBLY #1



DIMENSIONS

ASSY #1: 18"L x 17"W x 26"H, 325 lbs. (148 kg)
 ASSY #2: 29"L x 17"W x 39"H, 435 lbs. (197 kg)
 ASSY #3: 29"L x 84"W x 39"H, 670 lbs. (304 kg)

APPLICATIONS

- Mini Pumper
- Pumper Tanker
- Tanker
- Wildland/Attack Fire

FEATURES

- 4" or 5" NPT or weld discharge flanges
- 5" or 6" NPT or weld suction flanges
- Rotation: engine or opposite engine
- 1410 lock on yoke
- Mounting angles

Assembly #1:
 • 2 gear case

Assembly #2:
 • Suction elbow
 • Discharge head with check valve

Assembly #3:
 • Suction elbow and suction manifold with nipple
 • Discharge head with check valve
 • Discharge manifold & discharge valves



ASSEMBLY #3

PERFORMANCE

LSP 500
 500 gpm (1893 L/M) @ 150 psi (10.3 bar)
 350 gpm (1325 L/M) @ 200 psi (13.8 bar)
 250 gpm (946 L/M) @ 250 psi (17.2 bar)

LSP 750
 750 gpm (2839 L/M) @ 150 psi (10.3 bar)
 525 gpm (1987 L/M) @ 200 psi (13.8 bar)
 375 gpm (1419 L/M) @ 250 psi (17.2 bar)

LSP 1000
 1000 gpm (3785 L/M) @ 150 psi (10.3 bar)
 700 gpm (2646 L/M) @ 200 psi (13.8 bar)
 500 gpm (1893 L/M) @ 250 psi (17.2 bar)

LSPH 500, 750, 1000

Single Stage, Centrifugal Pump, PTO Driven, 3 Gear Gearcase

DIMENSIONS

30"L x 25"W x 30"H, 446 lbs. (202 kg) - Assy #1

APPLICATIONS

- Mini Pumper
- Pumper Tanker
- Tanker
- Wildland/Attack Fire

FEATURES

- 4" or 5" NPT or weld discharge flange
- 5" or 6" NPT or weld suction flange
- 2nd stage pump
- Rotation: engine or opposite engine
- 1410 lock on yoke

PERFORMANCE

LSPH 500
 500 gpm (1893 L/M) @ 150 psi (10.3 bar)
 350 gpm (1325 L/M) @ 200 psi (13.8 bar)
 250 gpm (946 L/M) @ 250 psi (17.2 bar)

LSPH 750
 750 gpm (2839 L/M) @ 150 psi (10.3 bar)
 525 gpm (1987 L/M) @ 200 psi (13.8 bar)
 375 gpm (1419 L/M) @ 250 psi (17.2 bar)

LSPH 1000
 1000 gpm (3785 L/M) @ 150 psi (10.3 bar)
 700 gpm (2646 L/M) @ 200 psi (13.8 bar)
 500 gpm (1893 L/M) @ 250 psi (17.2 bar)



HIGH PRESSURE BOOSTER PUMP

LSPH High Pressure
 200 gpm (757 L/M) @ 400 psi (27.6 bar)
 100 gpm (379 L/M) @ 600 psi (41.3 bar)



PSP 1000, 1250, 1500

Single Stage, Centrifugal Pump, PTO Driven

Darley's PSP pump changed the world of pumpers by providing a PTO pump that meets the flow rating used in 85% of pumpers in the U.S. market in a more compact, less expensive and safer offering. Providing ratings from 1000-1500 GPM needed for major fires, the PSP is now our highest selling pump in this size range. It is available with 2 or 3 gear transmission and allows for the addition of a high pressure booster pump or CAFS.

UL RATINGS TO 1500
WITH THE ALLISON
EVS TRANSMISSION



ASSEMBLY #1



ASSEMBLY #2



DIMENSIONS	19" L x 18" W x 23" H, 345 lbs. (157 kg)
APPLICATIONS	<ul style="list-style-type: none"> • Aerial • Crash Fire Rescue • Industrial • Pumper • Pumper Tanker • Rescue Pumper • Tanker
FEATURES	<ul style="list-style-type: none"> • 5" NPT discharge flange • 6" NPT or weld suction flange • Rotation: engine or opposite engine • Mechanical seal
OPTIONAL CONFIGURATIONS	<ul style="list-style-type: none"> • Discharge manifold • Sweep suction T with 2 - 6" inlets • Available as 2-gear or 3-gear transmission
PERFORMANCE	<p>PSP 1000 1000 gpm (3785 L/M) @ 150 psi (10.3 bar) 700 gpm (2646 L/M) @ 200 psi (13.8 bar) 500 gpm (1893 L/M) @ 250 psi (17.2 bar)</p> <p>PSP 1250 1250 gpm (4731 L/M) @ 150 psi (10.3 bar) 875 gpm (3312 L/M) @ 200 psi (13.8 bar) 625 gpm (2365 L/M) @ 250 psi (17.2 bar)</p> <p>PSP 1500 1500 gpm (5678 L/M) @ 150 psi (10.3 bar) 1050 gpm (3974 L/M) @ 200 psi (13.8 bar) 750 gpm (2839 L/M) @ 250 psi (17.2 bar)</p>

SILICON CARBIDE MECHANICAL SEAL

Mechanical seal is made with a silicon carbide stationary face which is extremely hard and heat dissipative, resisting wear and dry running damage.

BEARINGS

Deep groove radial type ball bearings, oversized for long life. Bearings are protected at all openings from road dirt and water with oil seals and water slinger.

PUMP CASING

Vertically split type pump casing. Cast iron, bronze fitted. Optional all bronze pump casing.



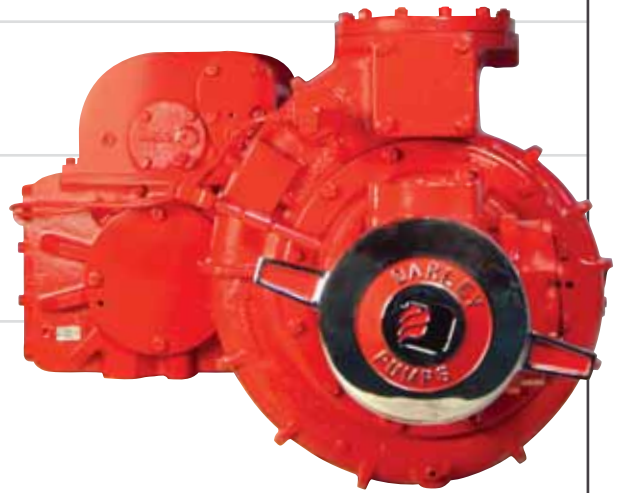
SILICON CARBIDE MECHANICAL SEAL



PSPH 1000, 1250, 1500

Single Stage, Centrifugal Pump, PTO Driven, 3 Gear Gearcase

DIMENSIONS	28"L x 24"W x 31"H, 810 lbs. (367 kg)
APPLICATIONS	<ul style="list-style-type: none"> • Mini Pumper • Pumper Tanker • Tanker • Wildland/Attack Fire
FEATURES	<ul style="list-style-type: none"> • 4" or 5" NPT or weld discharge flange • 5" or 6" NPT or weld suction flange • 2nd stage pump • Rotation: engine or opposite engine • 1410 lock on yoke
PERFORMANCE	<p>PSPH 1000 1000 gpm (3785 L/M) @ 150 psi (10.3 bar) 700 gpm (2646 L/M) @ 200 psi (13.8 bar) 500 gpm (1893 L/M) @ 250 psi (17.2 bar)</p> <p>PSPH 1250 1250 gpm (4731 L/M) @ 150 psi (10.3 bar) 875 gpm (3312 L/M) @ 200 psi (13.8 bar) 625 gpm (2365 L/M) @ 250 psi (17.2 bar)</p> <p>PSPH 1500 1500 gpm (5678 L/M) @ 150 psi (10.3 bar) 1050 gpm (3974 L/M) @ 200 psi (13.8 bar) 750 gpm (2839 L/M) @ 250 psi (17.2 bar)</p>



PSPH High Pressure
 200 gpm (757 L/M) @ 400 psi (27.6 bar)
 100 gpm (379 L/M) @ 600 psi (41.3 bar)

PTO

PSD 1000, 1250, 1500 "SILENT PAK™"

Single Stage, Centrifugal Pump, Single Suction Impeller, Direct (Gearless) Drive to Impeller, PTO Driven

DIMENSIONS	16"L x 19"W x 19"H, 225 lbs. (102 kg)
APPLICATIONS	<ul style="list-style-type: none"> • Crash Fire Rescue • Tanker • Rescue Pumper
FEATURES	<ul style="list-style-type: none"> • 5" NPT discharge • 6" NPT or weld suction flange • Rotation: engine or opposite engine • 1410 companion drive flange
PERFORMANCE	<p>PSD 1000 1000 gpm (3785 L/M) @ 150 psi (10.3 bar) 700 gpm (2646 L/M) @ 200 psi (13.8 bar) 500 gpm (1893 L/M) @ 250 psi (17.2 bar)</p> <p>PSD 1250 1250 gpm (4731 L/M) @ 150 psi (10.3 bar) 875 gpm (3312 L/M) @ 200 psi (13.8 bar) 625 gpm (2365 L/M) @ 250 psi (17.2 bar)</p> <p>PSD 1500 1500 gpm (5678 L/M) @ 150 psi (10.3 bar) 1050 gpm (3974 L/M) @ 200 psi (13.8 bar) 750 gpm (2839 L/M) @ 250 psi (17.2 bar)</p>
TRANSMISSION	<ul style="list-style-type: none"> • Recommended Transmission: LDM-XHD-PTO • Gear Ratio: 1.34:1 through 2.67:1 • 300 HP Split Shaft PTO, Torque • Rating Up to 19,300 ft. lb.



LDM-XHD-PTO



ZSP 2500 & 3000

Single Stage, Centrifugal Pump, Single Suction Impeller, PTO Mounted

DIMENSIONS 23.61" L x 26.12" W x 30.66" H, 613 lbs. (278 kg)

APPLICATIONS

- Industrial
- Chemical
- Aerial
- ARFF
- Fire Boat

FEATURES

- 6" weld discharge
- 8" weld flange suction
- Mechanical seal
- MegaTrans™ transmission
- 1610 or 1710 full round yokes
- Air shift
- Manual override

OPTIONS

- Suction and discharge heads can be built to suit
- Swept tee suction head with 8" Victaulic or 8" NH threaded couplings
- Salt water capable
- Integral belt driven primer capable of drafting within 30 seconds

PERFORMANCE	ZSP 2500 NFPA Fire Pump	ZSP 3000 NFPA Fire Pump
	2500 gpm (9463 L/M) @ 150 psi (10.3 bar) 2500 gpm (9463 L/M) @ 165 psi (11.3 bar) 1750 gpm (6624 L/M) @ 200 psi (13.8 bar) 1250 gpm (4732 L/M) @ 250 psi (17.2 bar) Using 1 - 8" or 3 - 6" suction hose Rated at 2500 gpm for NFPA 1901 fire pump application	3000 gpm (11,356 L/M) @ 150 psi (10.3 bar) 2100 gpm (7949 L/M) @ 200 psi (13.8 bar) 1500 gpm (5678 L/M) @ 250 psi (17.2 bar) Using 2 - 8" or 4 - 6" suction hose Rated at 3000 gpm for NFPA 1901 fire pump application



PTO

AUTOPRESSURE™ SYSTEM

The patented Darley AutoPressure™ System is an electronically controlled hydraulic drive system that automatically maintains preset output pressure of either high pressure or low pressure fire pumps.

APPLICATIONS

- Aerial
- Crash Fire Rescue
- Mini Pumper
- Pumper
- Pumper Tanker
- Rescue Pumper

FEATURES

- Used to drive one or multiple pumps for high pressure/high volume simultaneous operations
- Output pressure is maintained despite variations in intake pressure, output flow and engine RPM
- Safety and Simplicity of Operation – Any combination of HP and LP pressures can be maintained simultaneously
- Each pump is direct-driven by an integral hydraulic motor
- Variable displacement hydraulic pump driven by PTO
- Electronic controller instructs hydraulic pump to maintain constant fire pump output pressure

PERFORMANCE

Main Pump (Up To) 1000 gpm (3800 L/M) @ 150 psi (10 bar)	High Pressure 120 gpm (450 L/M) @ 515 psi (35 bar)
---	---



KDM-HD-PTO

300 HP Split Shaft PTO, Torque Rating
Up to 19,300 ft. lbs.

DIMENSIONS 28"L x 9"W x 22"H, 225 lbs. (102 kg)

APPLICATIONS

- Drives rear mounted pumps
- Driveline for foam, generator, and hydraulic systems
- Pumper

FEATURES

- 2½" shaft
- Complete mounting kit and lock-on universal joint for front and rear shafts
- Air shift
- 1410 companion flange on output shaft
- Opposite engine rotation - gear ratio: 0.93 to 1 thru 1.20 to 1
- Engine rotation - gear ratio: 1:62 to 1 thru 3.19 to 1

OPTIONS

- Electric shift
- Hydraulic drive flange
- Parking brake



LDM-XHD-PTO - MAGNATRANS™

300 HP Split Shaft PTO, Torque Rating
Up to 19,300 ft. lbs.

DIMENSIONS 30"L x 14"W x 27"H, 290 lbs. (132 kg)

APPLICATIONS

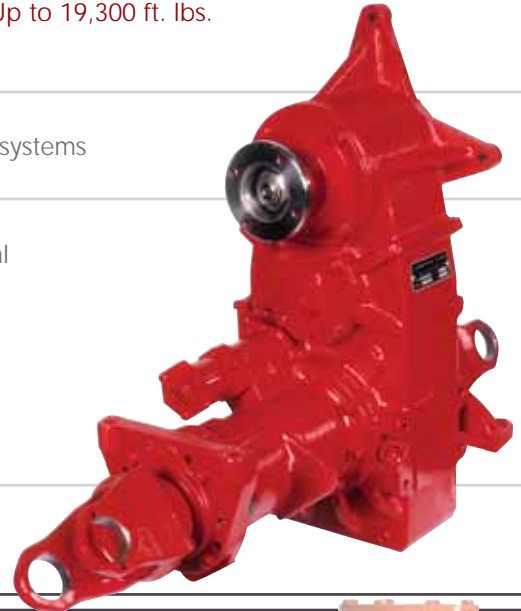
- Drives rear mounted pumps
- Driveline for foam, generator, and hydraulic systems
- Pumper

FEATURES

- 2½" shaft
- Complete mounting kit and lock-on universal joint for front and rear shafts
- Air shift
- 1410 companion flange on output shaft
- Opposite engine rotation - Gear ratio: 0.93 to 1 thru 1.27 to 1
- Engine rotation - gear ratio: 1:34 to 1 thru 2.67 to 1

OPTIONS

- Electric shift
- Hydraulic drive flange
- Parking brake



ZSM-XHD-PTO - MEGATRANS™

500 HP PTO, Torque Rating
Up to 19,300 ft. lbs.

DIMENSIONS 16"W x 33"H x 25"D, 314 lbs. (143 kg)

APPLICATIONS

- Industrial
- Pumper
- Crash Truck
- Fire Boat

FEATURES

- Rotation: Engine or opposite engine
- 1610 or 1710 full round yokes standard
- Air shift
- Midship or split-shaft transmission

OPTIONS

- Electric shift
- Belt-driven auto primer





MIDSHIP MOUNTED PUMPS

Darley offers both manifolded and non-manifolded midship pumps with ratings from 500 to 3500 gpm.

KHM PUMPS

The KHM series pumps have been a best seller for almost 30 years. These high performance compact pumps are rated at 250, 350 and 500 gpm @ 150 psi.

LSM PUMPS

The LSM pump is a lightweight, high flow Miship mounted pump with ratings from 500-1000 gpm and excess capacity with flows over 1250 gpm. The LSM utilizes the same compact high efficiency volute as our popular LDM and is also available with a high pressure booster pump or CAFS.

PSM PUMPS

The PSM is an ideal solution for economical pumpers and tankers due to reduced installation cost, while offering pump and roll capability. Its compact design means less space and weight on the vehicle. Rated at 1000, 1250, 1500 @ 150 psi.

LDM PUMPS

Our flagship midship mounted pump. Double suction design allows for highly efficient operation and a compact design. Thousands are in service. Ratings from 1000 - 1750 gpm @ 150 psi.

EM PUMPS

The EM pump is Darley's two stage midship pump with standard ratings from 1000 – 2000 gpm and with series flow pressure to 600 psi.

ZSM PUMPS

The ZSM is the highest flowing Midship pump on the market with ratings from 2500-3500 gpm in a compact package. Features the new Darley MagnaTrans™ which incorporates the option of a belt driven primer and a larger driveline drop for additional applications. The ZSM design is capable of significant excess capacity for applications where larger engines are utilized.

PUMP PAGE

PUMP	PAGE
KHM 500	52
LSM 500, 750, 1000	52
PSM 1000, 1250, 1500	53
LDM 1000, 1250, 1500, 1750	54
LDMH 1000, 1250, 1500, 1750	55
LDMX 1000, 1250, 1500, 1750	55
EM 1000, 1250, 1500, 1750, 2000	56
ZSM 2500, 3000, 3500	56

LDM MIDSHIP SINGLE STAGE PUMP

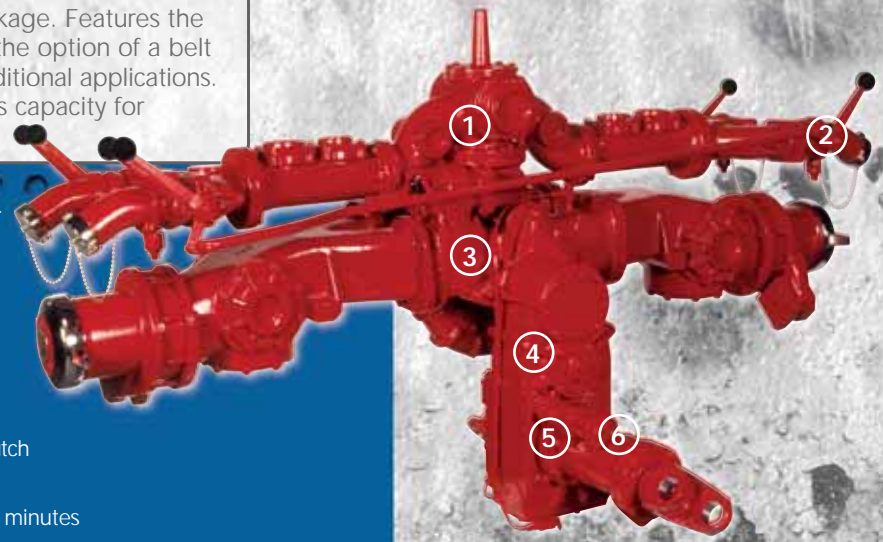
NFPA RATINGS

1000-1250-1500-1750 GPM

MIDSHIP

FEATURES THAT SET DARLEY PUMPS APART

1. Discharge check valve allows priming with discharge valves open for rapid water deployment
2. Self locking discharge valves
3. Bronze vacuum cast impeller
4. Powder coated gear case interiors
5. MagnaTrans™ gearbox with a 19,230 ft. lb. rating, helical cut gears, AutoCool, and chamfered sliding clutch
6. Dipstick on larger models for easy oil level checking
7. Injection Packing allows the pump to be repacked in minutes
8. Mechanical Seal is made with a silicon carbide stationary face



KHM 500

Single Stage, Centrifugal, Single Suction Impeller, Midship Mounted

AVAILABLE WITH HIGH PRESSURE



DIMENSIONS

36" L x Body Width x 48" H, 650 lbs. (295 kg)

APPLICATIONS

- Mini Pumper
- Pumper Tanker
- Wildland/Attack Fire

FEATURES

- 1610 or 1710 full round yokes standard
- 19" max. driveline drop
- Air shift

Assembly #1

- 1 - 3" NPTF outlet
- 1 - 4" NPTF inlet
- Companion flanges

Assembly #2

- 3 - 4" NPTF inlet
- 1 - 4" tank to pump suction opening
- 2 - 2 1/2" NPT discharge openings
- Discharge head check valve
- Suction elbow and tee

Assembly #3

- 2 - 2 1/2" NH 1/4 turn, ball, self-locking valves and caps
- 2 - 4" NH suction adapters and caps
- 2 - 2 1/2" NPT suction openings
- 1 - 4" tank to pump suction opening
- 2 - 2 1/2" NPT discharge openings
- Body width: 70" - 72"
- Complete

OPTIONS

- Available as a KHMH high pressure pump with pressures up to 600 psi

PERFORMANCE

500 gpm (1893 L/M) @ 150 psi (10.3 bar)
 350 gpm (1325 L/M) @ 200 psi (13.8 bar)
 250 gpm (946 L/M) @ 250 psi (17.2 bar)

LSM 500, 750, 1000

Single Stage, Centrifugal Single Suction Impeller, Midship Mounted



DIMENSIONS

30" L x 17" W x 30" H, 398 lbs. (180 kg) - Assy #1

APPLICATIONS

- Mini Pumper
- Pumper Tanker
- Tanker
- Wildland/Attack Fire

FEATURES

- 4" NPT discharge
- 5" or 6" NPT or weld flange suction
- 1610 or 1710 full round yokes standard
- Air shift

OPTIONS

- Complete discharge and suction manifold
- Available as an LSMH high pressure pump
- Electric over air shift

PERFORMANCE

LSM 500
 500 gpm (1893 L/M) @ 150 psi (10.3 bar)
 350 gpm (1325 L/M) @ 200 psi (13.8 bar)
 250 gpm (946 L/M) @ 250 psi (17.2 bar)

LSM 750
 750 gpm (2839 L/M) @ 150 psi (10.3 bar)
 525 gpm (1987 L/M) @ 200 psi (13.8 bar)
 375 gpm (1419 L/M) @ 250 psi (17.2 bar)

BACK VIEW

LSM 1000
 1000 gpm (3785 L/M) @ 150 psi (10.3 bar)
 700 gpm (2646 L/M) @ 200 psi (13.8 bar)
 500 gpm (1893 L/M) @ 250 psi (17.2 bar)



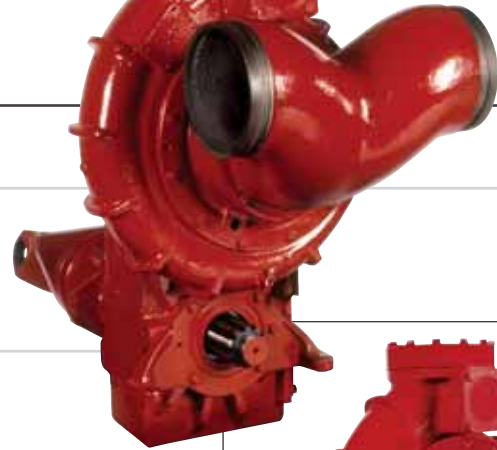
PSM 1000, 1250, 1500

Single Stage, Centrifugal, Single Suction Impeller, Midship Mounted

The compact design means a lighter weight and smaller pump compartment, thus making more valuable space available on the truck. Darley did not cut corners in the design of this highly efficient pump with flows in excess of 1800 gpm from draft, and features the same durable MagnaTrans™ gearbox as our popular LDM pump. The PSM will provide years of reliable service, but in the event the pump does need service, the design allows for the quick access to the pump. The optional discharge check valve (pictured in assembly #2) allows for fast priming. The PS Series pump has been the choice of thousands of departments around the world – confidence you can count on.



ASSEMBLY #2



ASSEMBLY #1



MECHANICAL SEAL



MAGNATRANS™ GEARBOX

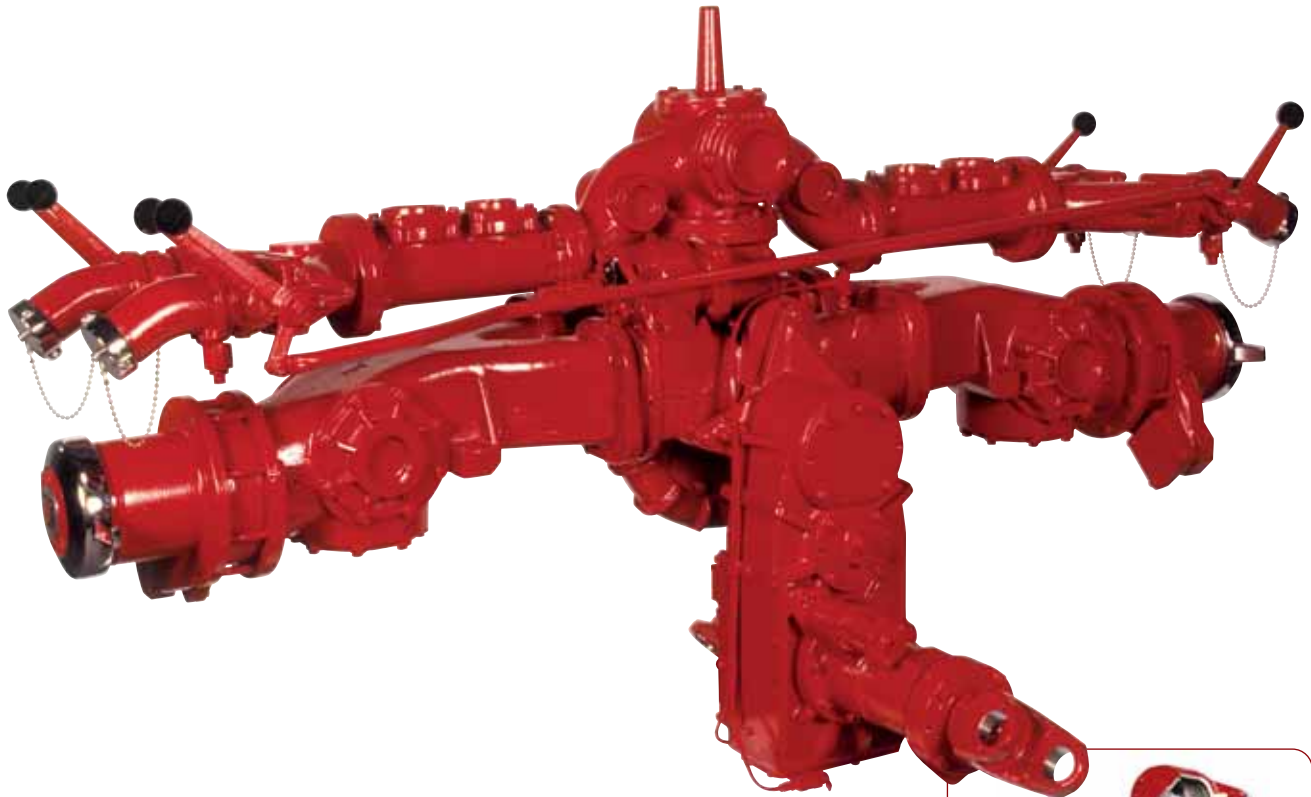


DIMENSIONS	33"L x 19"W x 31"H, 660 lbs. (300 kg)
APPLICATIONS	<ul style="list-style-type: none"> • Aerial • Pumper • Pumper Tanker • Rescue Pumper • Tanker
FEATURES	<ul style="list-style-type: none"> • 5" NPT or weld discharge • 6" NPT or weld flange suction • 1610 or 1710 full round yokes standard • Air shift
OPTIONS	<ul style="list-style-type: none"> • Electric over air shift • Mechanical seal • Discharge manifold and suction tee (Pictured) • Available with complete manifold • PSM is also available as a fully manifolded pump - Assembly #3 • Available as a PSMH high pressure pump
KEY FEATURES	<p>MECHANICAL SEAL Made with silicon carbide stationary face which is extremely hard and heat dissipative resisting wear and dry running damage. Optional injection packing available.</p> <p>MAGNATRANS™ GEARBOX 19,230 ft. lb. rating helical cut gears for smooth, quiet operation. AutoCool™ means no freezing problems. Chamfered sliding clutch for positive engagements.</p>
PERFORMANCE	<p>PSM 1000 1000 gpm (3785 L/M) @ 150 psi (10.3 bar) 700 gpm (2646 L/M) @ 200 psi (13.8 bar) 500 gpm (1893 L/M) @ 250 psi (17.2 bar)</p> <p>PSM 1250 1250 gpm (4731 L/M) @ 150 psi (10.3 bar) 875 gpm (3312 L/M) @ 200 psi (13.8 bar) 625 gpm (2365 L/M) @ 250 psi (17.2 bar)</p> <p>PSM 1500 1500 gpm (5678 L/M) @ 150 psi (10.3 bar) 1050 gpm (3974 L/M) @ 200 psi (13.8 bar) 750 gpm (2839 L/M) @ 250 psi (17.2 bar)</p>



LDM 1000, 1250, 1500, 1750

Single Stage, Centrifugal, Midship Mounted

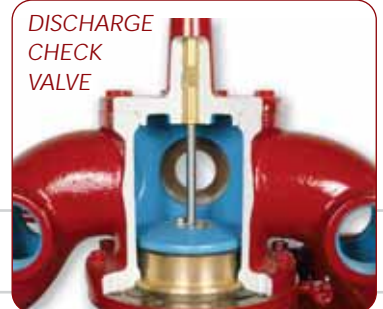


MIDSHIP

DIMENSIONS	46" L x 84" W x 44" H, 1,250 lbs. (568 kg)	
APPLICATIONS	<ul style="list-style-type: none"> • Aerial • Pumper • Pumper Tanker 	<ul style="list-style-type: none"> • Rescue Pumper • Tanker
FEATURES	<ul style="list-style-type: none"> • 4 - 2½" NH, ¼ turn, ball self-locking valves and caps, mounted • 2 - 5" or 6" NH suction adapters and caps • Dual cutwater design to eliminate radial thrust • 1610 or 1710 full round yokes standard • Air shift • 2½" driveline, 12¼" driveline drop • Injection packing • Heat treated gears 	
OPTIONS	<ul style="list-style-type: none"> • Mechanical seal • Available with MegaTrans™ transmission 	
PERFORMANCE	<p>LDM 1000</p> <p>1000 gpm (3785 L/M) @ 150 psi (10.3 bar)</p> <p>700 gpm (2646 L/M) @ 200 psi (13.8 bar)</p> <p>500 gpm (1893 L/M) @ 250 psi (17.2 bar)</p> <p>LDM 1250</p> <p>1250 gpm (4731 L/M) @ 150 psi (10.3 bar)</p> <p>875 gpm (3312 L/M) @ 200 psi (13.8 bar)</p> <p>625 gpm (2365 L/M) @ 250 psi (17.2 bar)</p>	<p>LDM 1500</p> <p>1500 gpm (5678 L/M) @ 150 psi (10.3 bar)</p> <p>1050 gpm (3974 L/M) @ 200 psi (13.8 bar)</p> <p>750 gpm (2839 L/M) @ 250 psi (17.2 bar)</p> <p>LDM 1750</p> <p>1750 gpm (6624 L/M) @ 150 psi (10.3 bar)</p> <p>1225 gpm (4637 L/M) @ 200 psi (13.8 bar)</p> <p>875 gpm (3312 L/M) @ 250 psi (17.2 bar)</p>



MAGNATRANS™ GEARBOX



DISCHARGE CHECK VALVE



LDMH 1000, 1250, 1500, 1750

Two Stage, Centrifugal, Midship Mounted

DIMENSIONS

46" L x 84" W x 44" H,
1,340 lbs. (608 kg)

APPLICATIONS

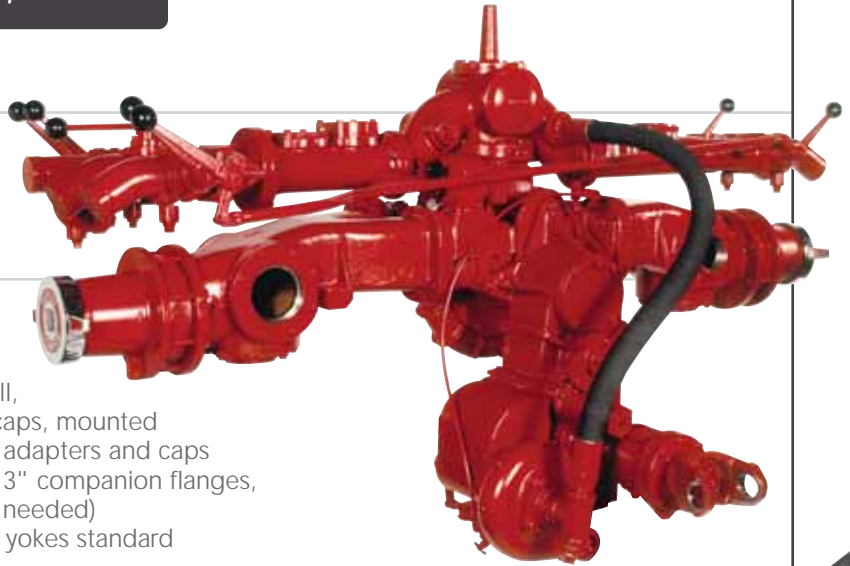
- Aerial
- Pumper
- Pumper Tanker
- Rescue Pumper
- Tanker

FEATURES

- High pressure booster pump (rated 1500 gpm max.)
- 4 - 2 1/2" NH, 1/4 turn, ball, self-locking valves and caps, mounted
- 2 - 5" or 6" NH suction adapters and caps
- Choice of 1 1/2", 2 1/2" or 3" companion flanges, discharge or suction (as needed)
- 1610 or 1710 full round yokes standard
- Air shift
- 2 1/2" driveline, 12 1/4" driveline drop
- Injection packing. Mechanical seal optional.
- Heat treated gears

PERFORMANCE

High Pressure
200 gpm (757 L/M) @ 400 psi (27.6 bar)
100 gpm (379 L/M) @ 600 psi (41.3 bar)
See LDM for main pump performance



MIDSHIP

LDMX 1000, 1250, 1500, 1750

Single Stage, Centrifugal, Midship Mounted

DIMENSIONS

46" L x 84" W x 32" H,
1,150 lbs. (522 kg)

APPLICATIONS

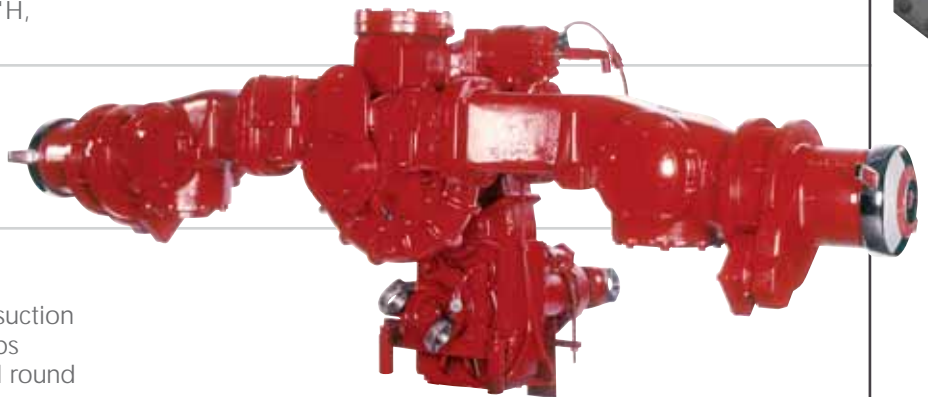
- Aerial
- Pumper
- Pumper Tanker
- Rescue Pumper
- Tanker

FEATURES

- 5" NPT or weld discharge flange
- 2 - 5" or 6" NH suction adapters and caps
- 1610 or 1710 full round yokes standard
- Air shift
- 2 1/2" driveline, 12 1/4" driveline drop
- Body width: 70" - 72"
- Heat treated gears
- The LDMX offers an economical solution that offers OEMs the ability to design their own discharge manifold

PERFORMANCE

See LDM Pump



LDMX LOW PROFILE
DESIGN MAKES IT IDEAL
FOR AERIAL APPLICATIONS
AND OEM MANIFOLDING



EM 1000, 1250, 1500, 1750, 2000

Two Stage, Centrifugal, Midship Mounted

DIMENSIONS 44"L x 84"W x 39"H, 1,400 lbs. (636 kg)

APPLICATIONS

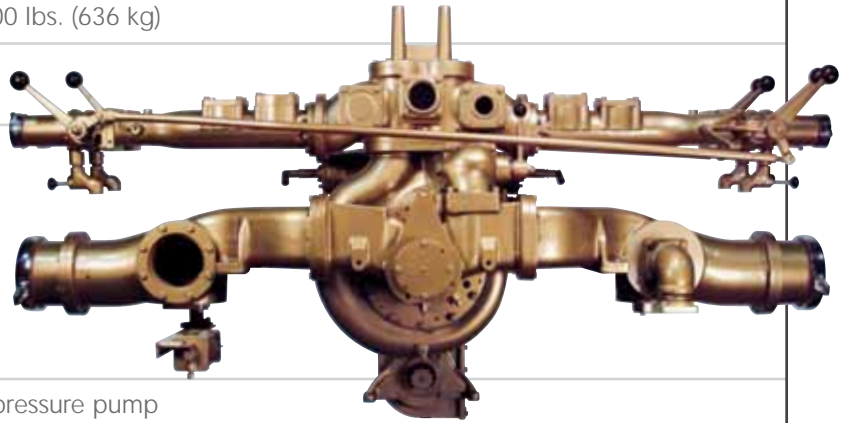
- Pumper
- Pumper Tanker

FEATURES

- 4 - 2 1/2" NH, 1/4 turn, ball self-locking valves and caps, 2 each side
- 2 - 5" or 6" NH suction adapters and caps
- 1610 or 1710 full round yokes standard
- Air shift

OPTIONS

- Available as EMH high pressure pump
- Available as single stage design



PERFORMANCE

EM 1000
 1000 gpm (3785 L/M) @ 150 psi (10.3 bar)
 700 gpm (2646 L/M) @ 200 psi (13.8 bar)
 500 gpm (1893 L/M) @ 250 psi (17.2 bar)
 100 gpm (378 L/M) @ 500 psi (34.5 bar)

EM 2000
 2000 gpm (7570 L/M) @ 150 psi (10.3 bar)
 1400 gpm (5299 L/M) @ 200 psi (13.8 bar)
 1000 gpm (3785 L/M) @ 250 psi (17.2 bar)
 100 gpm (378 L/M) @ 500 psi (34.5 bar)

EM 2nd STAGE
 600 gpm (2271 L/M) @ 600 psi (41.3 bar)
 800 gpm (3028 L/M) @ 600 psi (41.3 bar)*
 *Above performance requires 500 hp engine

EMH 3 STAGE
 100 gpm (378 L/M) @ 1300 psi (89.6 bar)
 200 gpm (757 L/M) @ 1000 psi (68.9 bar)
 Fed from Series Mode

100 gpm (378 L/M) @ 600 psi (41.3 bar)
 200 gpm (757 L/M) @ 500 psi (34.5 bar)
 Fed from Parallel Mode

ZSM 2500, 3000, 3500

Single Stage, Centrifugal, Single Suction Impeller, Midship Mounted

DIMENSIONS 31"L x 24"W x 41"H, 752 lbs. (341 kg)

APPLICATIONS

- Industrial
- ARFF

FEATURES

- Manual override
- Aluminum gear case
- Auto lubrication system
- 6" weld discharge
- 8" weld flange suction

OPTIONS

- Suction and discharge manifolded
- Swept tee suction head with 8" Victaulic or 8" NH threaded couplings
- Bronze available
- Integral belt driven primer capable of drafting within 30 seconds

PERFORMANCE

ZSM 2500 NFPA Fire Pump
 2500 gpm (9463 L/M) @ 150 psi (10.3 bar)
 2500 gpm (9463 L/M) @ 165 psi (11.3 bar)
 1750 gpm (6624 L/M) @ 200 psi (13.8 bar)
 1250 gpm (4732 L/M) @ 250 psi (17.2 bar)
 Using 1 - 8" or 3 - 6" suction hose
 Rated at 2500 gpm for NFPA 1901 fire pump application

ZSM 3000 NFPA Fire Pump
 3000 gpm (11,356 L/M) @ 150 psi (10.3 bar)
 2100 gpm (7949 L/M) @ 200 psi (13.8 bar)
 1500 gpm (5678 L/M) @ 250 psi (17.2 bar)
 Using 2 - 8" or 4 - 6" suction hose
 Rated at 3000 gpm for NFPA 1901 fire pump application

ZSM 3500 NFPA Industrial Rating
 3500 gpm (13248 L/M) @ 100 psi (6.8 bar)
 2450 gpm (9274 L/M) @ 150 psi (10.3 bar)
 1750 gpm (6624 L/M) @ 200 psi (13.8 bar)

ZSM International Rating
 2642 gpm (10000 L/M) @ 217 psi (15 bar)



COMPRESSED AIR FOAM SYSTEM - CAFS



Darley designed its first CAFS in 1984 and introduced AutoCAFS™ in 1993. Today Darley offers the widest variety of AutoCAFS™ and Odin units on the market.

FOAM PROPORTIONERS

The Odin Foam Division offers three foam proportioners for Class A applications. These systems are easy to operate, reliable and low maintenance. They operate on 12 vdc. A complete installation kit comes standard with each unit.

PTO COMPRESSOR KITS

150 and 200 cfm compressors are an economical alternative for retrofitting existing vehicles with CAFS or ideal for new installations. Kits includes control panels and Odin AutoBalance™ valves. Kits also available in completely assembled and tested modules.

ODIN ENGINE DRIVEN CAFS

Odin offers a wide variety of self contained CAFS including gas and diesel engines with both side and rear mount panels.

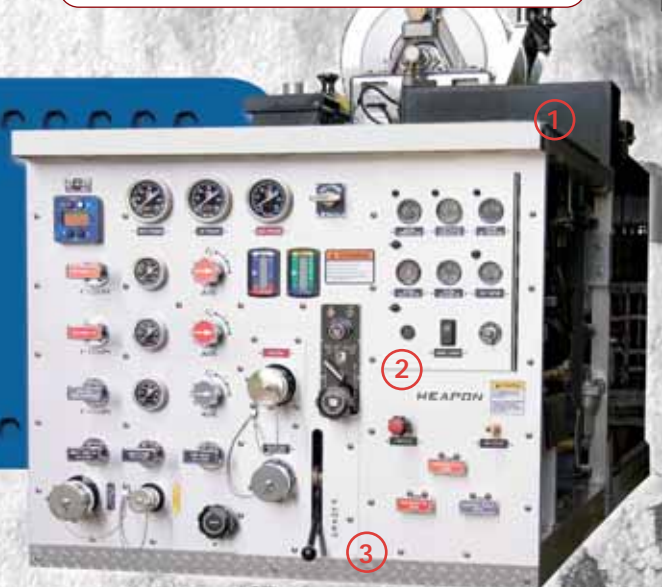
DARLEY AUTOCAFS™

Darley offers the world's largest variety of midship, PTO, front and rear mount pumps with CAFS.

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FEATURES THAT SET ODIN CAFS APART

1. Precision computer cut ventilated, hinged, latched fully assembled lid
2. Illuminated laser cut, brushed stainless steel control panel with all gauges and controls installed
3. Aluminum frame with fork lift provisions
4. Darley Fast Foam and Foam Pro proportioners



MONGOOSE 50/25 GAS

Engine Driven



ENGINE	Kawasaki: 28 HP @ 3600 rpm, air cooled, V twin, 2 cylinder gasoline powered, 12 vdc electric start	
PUMP	Darley Model 2BE: Fully adjustable 1 1/2" CAF discharge mix point, 2 1/2" water discharge, 2 1/2" direct tank fill, 2 1/2" NPT suction inlet, air jet primer, 2 1/2" water and air pressure gauges, pump drain valve, stainless steel plumbing	
DIMENSIONS	36"(+6")L x 47 1/4"W x 33"H, 850 lbs. (385 kg)	
APPLICATIONS	<ul style="list-style-type: none"> • Wildland • Quick Attack • Rescue • Skid Unit 	
FEATURES	<ul style="list-style-type: none"> • Control Panel - Illuminated: Laser cut, brushed stainless steel panel with infused powder coat painted labels, foam injection system controls installed • Air Compressor: Rotary screw encapsulated, manufacturer approved for flows of 60 cfm @ 150 psi • Frame: Lightweight aluminum • Foam Proportioner System: Darley Fast Foam 50 Class "A" Foam Proportioner 	
PERFORMANCE	Water 120 gpm (946 L/M) @ 100 psi (6.9 bar) 250 gpm (946 L/M) @ 40 psi (2.7 bar)	Air Compressor 50 cfm (1416 L/M) @ 125 psi (8.6 bar)
	Simultaneous Flow (NFPA) 56 gpm & 23 cfm @ 125 psi	Simultaneous Flow 80 gpm & 40 cfm @ 100 psi

CAFS

MONGOOSE 50/25 DIESEL

Engine Driven



ENGINE	Kubota: 24.8 HP @ 3600 rpm, water cooled, 3 cylinder, diesel powered, 12 vdc electric start	
PUMP	Darley Model 2BE: Fully adjustable 1 1/2" CAF discharge mix point, 2 1/2" water discharge, 2 1/2" direct tank fill, 2 1/2" NPT suction inlet, air jet primer, 2 1/2" water and air pressure gauges, pump drain valve, stainless steel plumbing	
DIMENSIONS	44"(+6")L x 47 1/4"W x 36"H, 1100 lbs. (498 kg)	
APPLICATIONS	<ul style="list-style-type: none"> • Wildland • Quick Attack • Rescue • Skid Unit 	
FEATURES	<ul style="list-style-type: none"> • Control Panel - Illuminated: Laser cut, brushed stainless steel panel with infused powder coat painted labels, foam injection system controls installed • Air Compressor: Rotary screw encapsulated, manufacturer approved for flows of 60 cfm @ 150 psi • Frame: Lightweight aluminum • Foam Proportioner System: Darley Fast Foam 50 Class "A" Foam Proportioner 	
PERFORMANCE	Water 120 gpm (946 L/M) @ 100 psi (6.9 bar) 250 gpm (946 L/M) @ 40 psi (2.7 bar)	Air Compressor 50 cfm (1416 L/M) @ 125 psi (8.6 bar)
	Simultaneous Flow (NFPA) 56 gpm & 23 cfm @ 125 psi	Simultaneous Flow 80 gpm & 40 cfm @ 100 psi



MUSTANG 110/55

Engine Driven



ENGINE	Kubota Model 1505: 33.5 HP @ 3000 rpm, liquid cooled, indirect injection, naturally aspirated diesel engine, pressure-lubricated, 12 vdc 40-amp alternator, remote oil drain	
PUMP	Darley Model 1-1/2AGE: Independent 1 1/2" CAF discharge mix point, 2 1/2" tank to pump suction inlet, 12 vdc electric primer system, stainless steel plumbing	
DIMENSIONS	48" L x 48" W x 37" H, 1,200 lbs. (544 kg)	
APPLICATIONS	<ul style="list-style-type: none"> • Mini Pumper • Wildland/Interface • Rescues 	
FEATURES	<ul style="list-style-type: none"> • Control Panel - Illuminated: Laser cut, brushed stainless steel panel with all engine, air compressor, water pump and foam injection system controls, gauges and instruments installed • Air Compressor: Rotary screw compressor assembly, Auto Odin balance valve, compressor temperature gauge with alarm 	<ul style="list-style-type: none"> • Frame: Lightweight aluminum with fork lift provisions • Foam Proportioner System: Darley Fast Foam 50 • Direct tank fill
PERFORMANCE	<p>Water 140 gpm (530 L/M) @ 125 psi (8.6 bar)</p> <p>Simultaneous Flow 110 gpm & 55 cfm @ 125 psi 130 gpm & 60 cfm @ 100 psi</p>	<p>Air Compressor 60 cfm (1699 L/M) @ 125 psi (8.6 bar)</p> <p>Pump Performance 130 gpm (492 L/M) @ 100 psi (6.9 bar)</p>

DERRINGER 110/55

Engine Driven



ENGINE	Kubota Model 1505: 33.5 HP @ 3000 rpm, liquid cooled, indirect injection, naturally aspirated diesel engine, pressure-lubricated, 12 vdc 40-amp alternator, glow plugs, remote oil drain	
PUMP	Darley Model 1-1/2AGE: Independent 1 1/2" CAF discharge mix point, 2 1/2" tank to pump suction inlet, 12 v electric primer system, stainless steel plumbing	
DIMENSIONS	48" L x 48" W x 37" H, 1,350 lbs. (612 kg)	
APPLICATIONS	<ul style="list-style-type: none"> • Mini Pumper • Wildland/Interface • Rescues 	
FEATURES	<ul style="list-style-type: none"> • Control Panel - Illuminated: Laser cut, brushed stainless steel panel with all engine, air compressor, water pump and foam injection system controls, gauges and instruments installed • Air Compressor: Rotary screw compressor assembly, Auto Odin balance valve, compressor temperature gauge with alarm • Lid: Precision computer cut, ventilated, hinged, gas shock lift struts, latched, fully assembled lid 	<ul style="list-style-type: none"> • Frame: Lightweight aluminum with fork lift provisions • Foam Proportioner System: FoamPro Model 1601 System • Water level gauge • Foam level gauge • Air flow meter
PERFORMANCE	<p>Water 125 gpm (473 L/M) @ 125 psi (8.6 bar)</p> <p>Simultaneous Flow 110 gpm & 55 cfm @ 125 psi 130 gpm & 60 cfm @ 100 psi</p>	<p>Air Compressor 60 cfm (1699 L/M) @ 125 psi (8.6 bar)</p> <p>Pump Performance 130 gpm (492 L/M) @ 100 psi (6.9 bar)</p>



WEAPON 250/100

Engine Driven

Our best selling rear mount CAFS module with a 250 gpm NFPA rated pump.

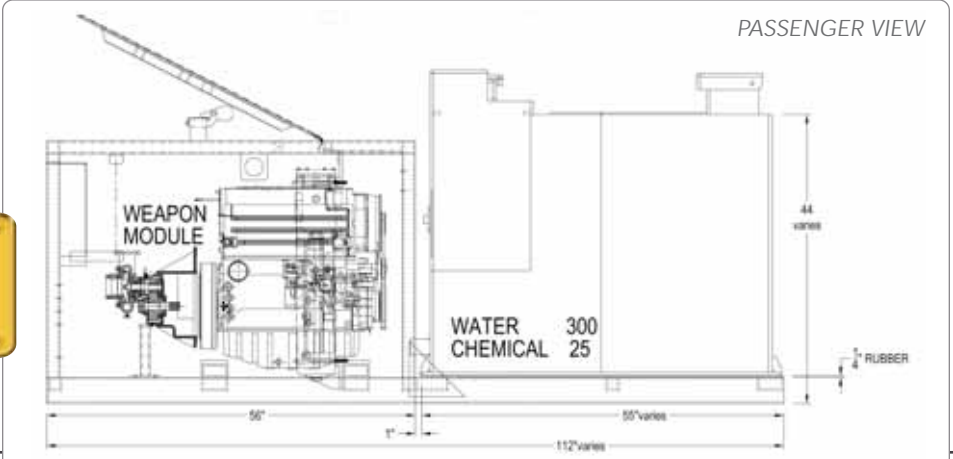
NFPA RATED
250 GPM



ENGINE	Deutz: 73 HP, air cooled, 4 cylinder, turbo-charged, diesel fueled, 12 volt electric start with oil pressure gauge, temperature gauge, voltmeter, tachometer/hourmeter, vernier throttle	
PUMP	Darley 2 1/2 AGE: 2 - Independent 1 1/2" CAF discharge mix points, 1 - 2 1/2" water discharge, 1 - 2 1/2" tank to pump suction inlet, 1 - direct tank fill with 2 1/2" NH female swivel, inlet, master drain valve, 12 volt electric primer system and stainless steel plumbing	
DIMENSIONS	56" L x 48" W x 38" H 1,800 lbs. (816.4 kg)	
APPLICATIONS	<ul style="list-style-type: none"> • Mini Pumper • Wildland/Interface 	
FEATURES	<ul style="list-style-type: none"> • Control Panel - Illuminated: Laser cut, brushed stainless steel panel with all engine, air compressor, water pump and foam injection system controls, gauges and instruments installed • Air Compressor: Rotary screw compressor assembly, Odin AutoBalance valve, Teflon air control lines, compressor temperature gauge with alarm • Frame: Lightweight aluminum with fork lift provisions • Lid: Precision computer cut, ventilated, hinged, gas shock lift struts, latched, fully assembled lid • Foam Proportioner System: FoamPro Model 1601 System • Patented Odin drive system • Darley pressure relief valve • Hosed oil drains 	
PERFORMANCE	<p>Water Only Pump Performance</p> <p>250 gpm (946 L/M) @ 150 psi (10.4 bar)</p> <p>175 gpm (662 L/M) @ 200 psi (13.7 bar)</p> <p>125 gpm (473 L/M) @ 250 psi (17.2 bar) (NFPA)</p>	<p>Air Compressor</p> <p>125 cfm (3539 L/M) @ 125 psi (8.6 bar)</p> <p>Simultaneous Flow (NFPA)</p> <p>200 gpm & 100 cfm @ 125 psi</p>

CAFS

CONSULT ODIN ENGINEERING FOR ASSEMBLY DRAWINGS AND INSTALLATION INSTRUCTIONS



* Total height and length depends on number of gallons



COBRA 250/100

Engine Driven

HINGED
LID FOR EASY
ACCESS



ENGINE

Deutz Model BF4L2011: 73 HP, air/oil cooled, direct injected, turbo-charged, diesel fueled, 12 volt electric start with oil pressure gauge, temperature gauge, voltmeter, tachometer/hourmeter, vernier throttle

PUMP

Darley 2 1/2 AGE: 3 - independent crosslay discharge outlets, 1 - 2 1/2" panel discharge, 1 - 2 1/2" tank to pump suction inlet, 1 - 2 1/2" NH female swivel direct drain valve, 12 volt electric primer system, stainless steel plumbing
* Additional discharges available upon request

DIMENSIONS

69" L x 34" W x 65" H
2,500 lbs. (1,134 kg)

APPLICATIONS

- Mini Pumper
- Wildland/Interface
- Crash Rescue
- ARFF

FEATURES

- Control Panel - Illuminated: Laser cut, brushed stainless steel panel with all engine, air compressor, water pump and foam injection system controls, gauges and instruments installed
- Air Compressor: Rotary screw compressor assembly, Odin AutoBalance™ valve, stainless steel braided Teflon air control lines, compressor temperature gauge with alarm
- Frame: Lightweight aluminum frame, latched door for engine and foam proportioner system maintenance access
- Lid with Crosslay Trays: Precision computer cut, ventilated, hinged, gas shock lift struts, latched, fully assembled lid
- Foam Proportioner System: FoamPro Model 1601 System
- Water level gauge
- Foam level gauge
- Darley pressure relief valve
- Auxiliary air outlet
- Remote oil drain fittings

PERFORMANCE

Water Only Pump Performance
250 gpm (946 L/M) @ 150 psi (10.4 bar)
175 gpm (662 L/M) @ 200 psi (13.7 bar)
125 gpm (475 L/M) @ 250 psi (17.2 bar) (NFPA)

Air Compressor
120 cfm (3398 L/M) @ 125 psi (8.6 bar)
Simultaneous Flow (NFPA)
200 gpm & 100 cfm @ 125 psi

**DARLEY OFFERS CAFS DEMOS
ACROSS NORTH AMERICA.
CONTACT YOUR DARLEY SALES
REPRESENTATIVE TO SCHEDULE
A CAFS DEMO FOR YOUR
DEPARTMENT.**



CAFS



POWERHEADS

MONGOOSE DIESEL / GAS

FEATURES

- 24.5 HP Kubota, 3 cylinder, water cooled diesel engine
- 2BE type Darley fire pump
- 45 cfm rotary screw air compressor
- Patented Odin Drive system
- Auto balance valve and main compressor check valve

PERFORMANCE

45 cfm or NFPA 64/32 @ 125 psi



MUSTANG / DERRINGER

FEATURES

- 33.5 - 42 HP Kubota, 4 cylinder, water cooled diesel engine
- 1-1/2AGE Darley fire pump
- 60 cfm rotary screw air compressor
- Patented Odin Drive system
- Auto balance valve and main compressor check valve

PERFORMANCE

60 cfm air or NFPA 110/55 @ 125 psi (naturally aspirated engine)



WEAPON

FEATURES

- 73 HP Deutz, 4 cylinder, water cooled, turbo diesel engine
- 2-1/2AGE Darley fire pump
- 120 cfm rotary screw air compressor
- Patented Odin Drive system
- Auto balance valve and main compressor check valve

PERFORMANCE

120 cfm or NFPA 200/100 @ 125 psi (high pressure option)



CAFS ACADEMY

The annual CAFS Academy is a great way to learn how to maintain, service and operate your CAFS. Typically held the first week of May. A Darley AutoCAFS™ shirt and hat is provided to each academy attendee. CAFS Academy is held in the spring immediately following Pump School. Email cafs@darley.com for more details or to sign-up.

AutoCAFS™



PTO COMPRESSOR KITS

150 & 200 CFM



The compressor receives its power from the apparatus transmission PTO. Consult Odin for the correct engineering application. Pump is supplied by customer. Please contact Odin at 319-987-2226 for more information.

DIMENSIONS

Contact Odin for schematic and CAD drawings of components.
 150 cfm shipping weight: 535 lbs. (242.6 kg)
 200 cfm shipping weight: 585 lbs. (265.3 kg)

APPLICATIONS

- Mini Pumper
- Rescue pumper
- Tactical Tender
- Wildland/Interface
- Retrofit

FEATURES

- PTO driven compressor
- Available in 150 and 200 cfm with inlet valve and mounting bracket
- Horizontal mount air/oil receiver
- Control panel with high temperature shut down
- Odin AutoBalance™ valve system
- Stainless steel, plate type heat exchange with thermo valve
- American made
- Master air check valve
- Remote air intake filter kit

PERFORMANCE

Air Compressor
 200 cfm (5663 L/M) @ 125 psi (8.6 bar)
 150 cfm (4247 L/M) @ 125 psi (8.6 bar)



PTO COMPRESSOR MODULES

150 & 200 CFM



150 CFM



200 CFM

DIMENSIONS

41" L x 19" W x 22" H
 200 cfm: 600 lbs. (272 kg)
 150 cfm: 550 lbs. (249 kg)

APPLICATIONS

- New apparatus
- Retrofit

FEATURES

- PTO driven compressor
- Available in 150 and 200 cfm with inlet valve and mounting bracket
- Modules complete with all compressor components and easy hose connection bulkhead
- Control panel with high temperature shut down
- Odin AutoBalance™ valve system
- Stainless steel, plate type heat exchange with thermo valve
- American made
- Master air check valve
- Remote air intake filter kit

PERFORMANCE

Air Compressor
 200 cfm (5663 L/M) @ 125 psi (8.6 bar)
 150 cfm (4247 L/M) @ 125 psi (8.6 bar)



AUTOCAFS™ ACCESSORIES

AUTOVALVE™ KITS

The AutoValve™ features nine light valve positions for fast reference. The pressure display also functions as a valve position indicator in increments of 1 - 100. This allows for ultra fine adjustments by punching the decrease/increase "Dry and Wet" CAFS buttons for small changes of foam consistency. Fully waterproof design with all sealed switches, protected by overlay membrane.



FEATURES

- AutoValve™ Standard:**
- Controller with wiring harness
 - Stainless steel solution valve and actuator
 - Stainless steel air valve actuator
 - Instruction manual
 - Kits available in 1½", 2", 2½" & 3"
- AutoValve™ Expanded:**
- Controller with wiring harness
 - Stainless steel solution valve and actuator
 - Stainless steel air valve actuator
 - 300 psi stainless steel foam solution check valve
 - Stainless steel bushing type air check valve
 - Instruction manual
 - Kits available in 1½", 2", 2½"* , 3"*
- * Check valves included

OPTIONS

- 18' extension cable, foam solution valve
- 8' extension cable, air valve
- Pressure transducer for displaying discharge pressure

AUTOFILL™ SYSTEMS

Connect to a hydrant or pressurized supply and the AutoFill™ valve direct tank fill system does the rest. It maintains the water tank level without any operator assistance.



FEATURES

- Fully automates the tank fill process from pressurized source
 - Fire service 3-piece valves
 - Operational control placard and wire harness, complete with weather-tight connectors
 - All systems require Fire Research Vision Series level gauge (Optional)
 - System available in 1½", 2", 2½" * , 3" *
- * Requires the Akron 88 Series Valve (Optional). Please state valve specifications: Standard is 2 NPT-F flanges. Otherwise specify number of flanges and type.



FOAM SYSTEMS

FAST FOAM 50

CLASS "A" FOAM PROPORTIONER

The Fast Foam system offers a reliable, accurate, compact foam proportioning system at an economical price. This model treats up to 50 gpm @ 1% at pressures up to 175 psi.

DIMENSIONS 19"L x 10"W x 14"H, 64 lbs. (29 kg)

APPLICATIONS

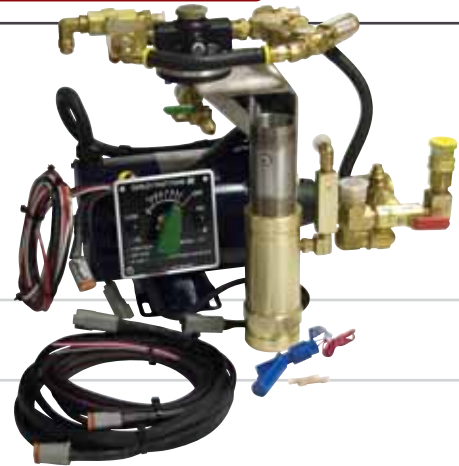
- Mini Pumper
- Wildland/Quick Attack Fire Vehicle

FEATURES

- .5 gpm/130 gpm, 1/4 hp 12vdc motor, pilot operated relief valve
- Low concentrate float switch
- Venturi 1 1/2" NPT
- Master check valve, 1 1/2" NPT stainless steel
- Includes installation kit and crate

- Control panel placard with on/off switch and low concentrate light, adjustable foam percentage valve

PERFORMANCE Up to 50gpm @ 1% at pressures up to 175 psi



FAST FOAM 250

CLASS "A" FOAM PROPORTIONER

The Fast Foam system offers a reliable, accurate, compact foam proportioning system at an economical price. This model treats up to 250 gpm @ 1% at pressures up to 175 psi.

DIMENSIONS 21"L x 10"W x 12"H, 75 lbs. (34 kg)

APPLICATIONS

- Mini Pumper
- Pumper
- Pumper Tanker
- Rescue Pumper
- Wildland/Quick Attack Fire Vehicle

FEATURES

- 2.5 gpm/250 gpm, 1/2 hp 12vdc motor, pilot operated relief valve
- Low concentrate float switch
- Venturi 2" NPT
- Includes installation kit and crate

- Control panel placard with on/off switch and low concentrate light, adjustable foam percentage valve

PERFORMANCE Up to 250 gpm @ 1% at pressures up to 175 psi



ATP FOAM FLURRY™

CLASS "A" FOAM PROPORTIONER

The ATP FOAM FLURRY™ is our most economical proportioner. It is simple-to-install and operate, and works without 12v power – no amperage issues for small pumps. For your next Darley portable pump purchase, or for retrofitting your current pump, the ATP FOAM FLURRY™ will deliver foam cost effectively.

FEATURES

- 12v, all brass construction - no plastic
- Fast adjusting variable control ball valve
- Remote mount operation placard
- Installation kit. Mount box dimensions - 6"Lx3 1/2"Wx6"H

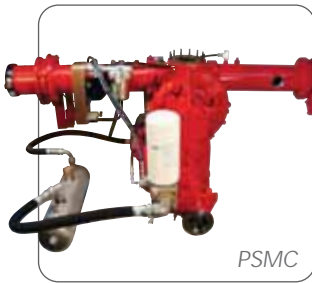
PERFORMANCE • Capable of .5% injection rate up to 100 gpm



AUTOCAFS PUMP ASSEMBLIES



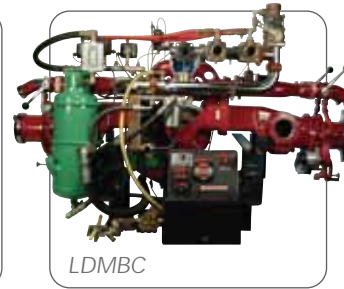
KSRC



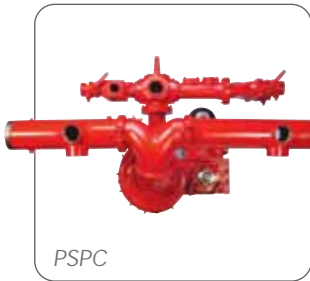
PSMC



LSMC



LDMBC

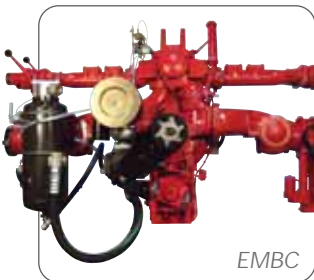


PSPC

AutoCAFS™



KHMC



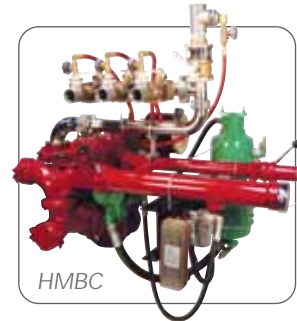
EMBC



PSEBC



KSPBC



HMBC

PUMP/CAFS	GPM	CFM	PUMP DRIVE	COMPRESSOR DRIVE
HMC	500	120 / 220	SINGLE STAGE, PTO DRIVEN	GEAR DRIVEN COMPRESSOR
HMPC	500	120	SINGLE STAGE, PTO DRIVEN	GEAR DRIVEN COMPRESSOR
HMBC	500	220	SINGLE STAGE, PTO DRIVEN	BELT DRIVEN COMPRESSOR
KSPAC	500 - 1000	120	SINGLE STAGE, PTO DRIVEN	GEAR DRIVEN COMPRESSOR, AIR CLUTCH
KSRC	500 or 1000	120	SINGLE STAGE, PTO DRIVEN	GEAR DRIVEN COMPRESSOR
KSEC	750 or 1000	120 / 220	SINGLE STAGE, ENGINE DRIVEN	GEAR DRIVEN COMPRESSOR
KSPBC	750 or 1000	220	SINGLE STAGE, PTO DRIVEN	BELT DRIVEN COMPRESSOR
KSPC	750 or 1000	120 / 220	SINGLE STAGE, PTO DRIVEN	GEAR DRIVEN COMPRESSOR
LSEC	750 or 1000	120	SINGLE STAGE, ENGINE DRIVEN	GEAR DRIVEN COMPRESSOR
LSPC	750 or 1000	120 / 220	SINGLE STAGE, PTO DRIVEN	GEAR DRIVEN COMPRESSOR
LSMC	1000	120	SINGLE STAGE, MIDSHIP	GEAR DRIVEN COMPRESSOR
PSEBC	1000 - 1250	220	SINGLE STAGE, ENGINE DRIVEN	BELT DRIVEN COMPRESSOR
PSMC	1000 - 1500	120	SINGLE STAGE, MIDSHIP	GEAR DRIVEN COMPRESSOR
PSPC	1000 - 1500	120 / 220	SINGLE STAGE, PTO DRIVEN	GEAR DRIVEN COMPRESSOR
PSRC	1000 - 1500	120	SINGLE STAGE, PTO DRIVEN	GEAR DRIVEN COMPRESSOR
LDMPC	1000 - 1750	120 / 220	SINGLE STAGE, PTO DRIVEN	GEAR DRIVEN COMPRESSOR
LDMBC	1000 - 1750	220	SINGLE STAGE, MIDSHIP	BELT DRIVEN COMPRESSOR
EMC	1000 - 2000	120	TWO STAGE, MIDSHIP	GEAR DRIVEN COMPRESSOR
EMPC	1000 - 2000	120 / 220	TWO STAGE, PTO DRIVEN	GEAR DRIVEN COMPRESSOR
EMBC	1000 - 2000	220	TWO STAGE, MIDSHIP	BELT DRIVEN COMPRESSOR

CAFS



HMBC 500/220

Single Stage, Centrifugal, PTO Driven

DIMENSIONS

38" L x Body Width x 51 1/2" H (Full Assembly)
810 lbs. (367.4 kg)

APPLICATIONS

- Wildland/Urban Interface
- Rescue Pumper
- Initial Attack

FEATURES

Assembly #1

- 3" NPT discharge flange
- 4" NPT suction flange
- Mechanical seal
- Rotation: Engine
- Pump rear of gearcase
- Lock on drive yoke
- Output shaft for AZ02960, clutched 220 cfm, belt driven compressor package

Assembly #2

- 2 - 2 1/2" NPT discharge
- 3 - 4" NPT suction taps (HM500)
- Output shaft for AZ02960, clutched 220 cfm, belt driven compressor package
- Rotation: Engine
- Gear ratio: 2.85 to 1 or 3.95 to 1
- Heat treated gears are standard
- Tachometer/speed counter output
- Lock on drive yoke
- Mounting angles
- Suction elbow
- Built-in discharge check valve

Assembly #3

- 3" NPT discharge flange
- 4" NPT suction flange (HM500)
- 2 - 2 1/2" NH, 1/4 turn, ball, valves and caps
- 2 - 4" NH suction adapters and caps (HM500)
- 2 - 2 1/2" NPT tapped openings on discharge manifolds
- 2 - 2 1/2" NPT tapped openings on suction
- Output shaft for AZ02960, clutched 220 cfm, belt driven compressor package
- Rotation: Engine
- Pump rear of gearcase
- Lock on drive yoke
- Suction elbow

COMPRESSOR PACKAGE FEATURES

- AutoCAFS™ 220 cfm compressor
- AutoCAFS™ control module
- Integrated compressor mounting bracket
- Sprocket and belt assembly
- Belt cover
- 12v electric clutch
- Clutch control kit
- Inlet valve

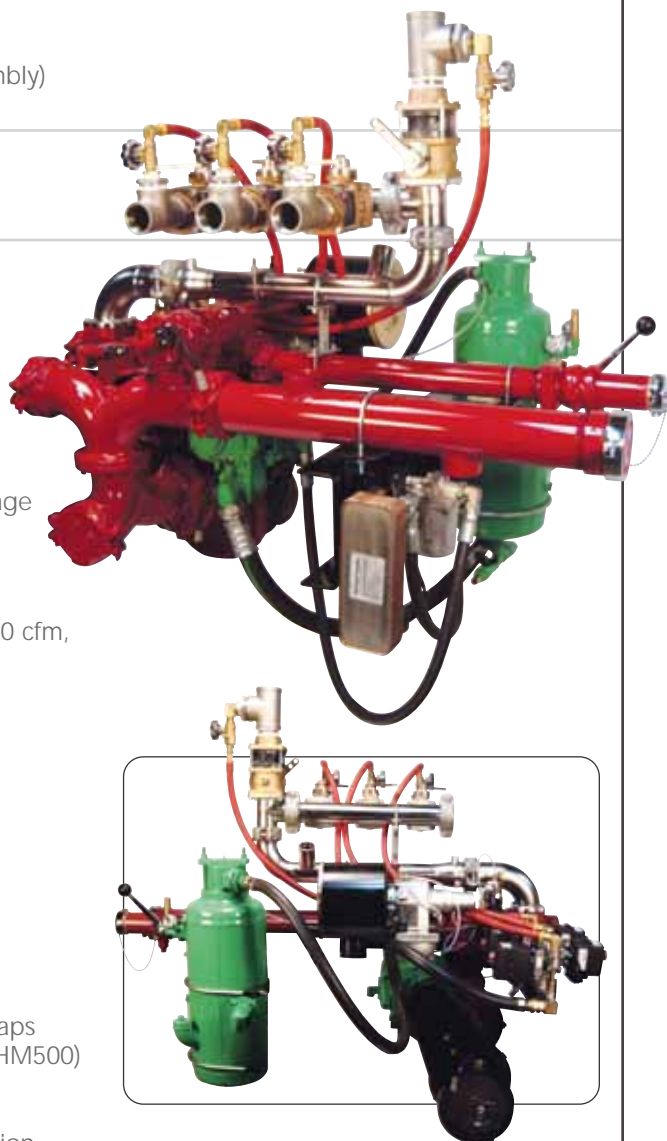
PERFORMANCE

500 gpm (1892 L/M) @ 150 psi (10.4 bar)
350 gpm (1324 L/M) @ 200 psi (13.7 bar)
250 gpm (946 L/M) @ 250 psi (17.2 bar)

- Built-in discharge check valve
- Suction and discharge manifolding
- Gear ratio: 4.38 to 1 or 2.90 to 1
- Body width: 70" - 72"
- Heat treated gears are standard
- Mounting angles

- Air filter
- Air pressure safety valve
- Air/oil receiver/separator
- Oil to water heat exchanger
- Oil thermostat/filter assembly
- Oil temperature gauge
- Complete compressor hose kit

Simultaneous CAFS Flow
440 gpm @ 220 cfm @ 125 psi



PSPBC 1000, 1250, 1500

Single Stage, Centrifugal, PTO Driven

DIMENSIONS

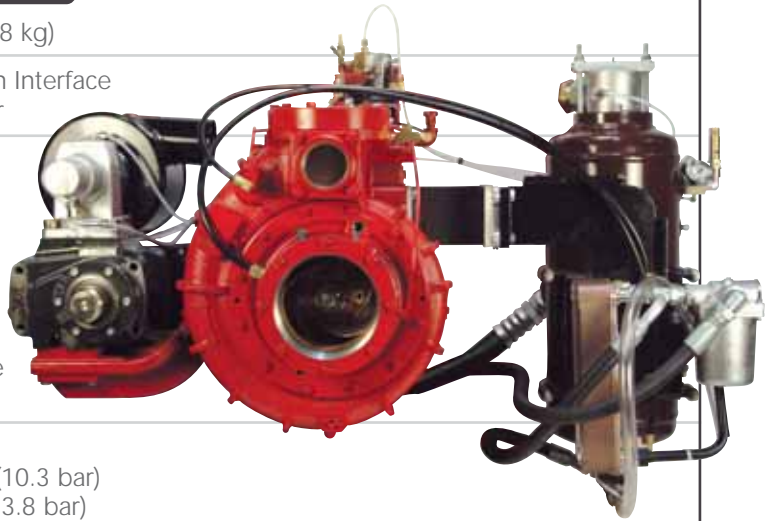
29" L x 43" W x 32" H, 834 lbs. (378 kg)

APPLICATIONS

- Aerial
- Wildland/Urban Interface
- Pumper
- Rescue Pumper

FEATURES

- 5" NPT discharge flange
- 6" NPT or weld suction flange
- PS pump assembly
- Mechanical seal
- Electric clutch for 220 cfm compressor package
- Rotation: Engine
- Belt driven compressor package
- 1310/1410 drive flange



PERFORMANCE

PSPBC 1000
 1000 gpm (3785 L/M) @ 150 psi (10.3 bar)
 700 gpm (2646 L/M) @ 200 psi (13.8 bar)
 500 gpm (1893 L/M) @ 250 psi (17.2 bar)

PSPBC 1250
 1250 gpm (4731 L/M) @ 150 psi (10.3 bar)
 875 gpm (3312 L/M) @ 200 psi (13.8 bar)
 625 gpm (2365 L/M) @ 250 psi (17.2 bar)

PSPBC 1500
 1500 gpm (5678 L/M) @ 150 psi (10.3 bar)
 1050 gpm (3974 L/M) @ 200 psi (13.8 bar)
 750 gpm (2839 L/M) @ 250 psi (17.2 bar)

EMBC 1000, 1250, 1500, 2000

Two Stage, Centrifugal, Midship Mounted

DIMENSIONS

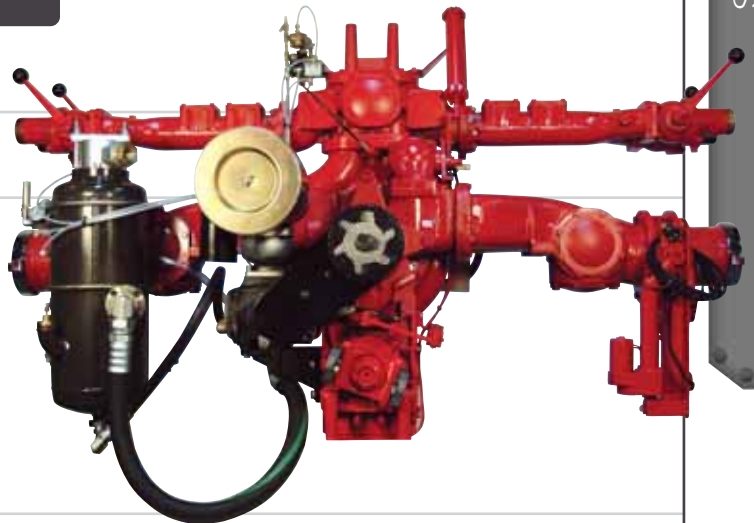
43" L x Apparatus Width x 45" H,
 2350 lbs. (1065.9 kg)

APPLICATIONS

- Aerial
- Rescue Pumper
- Pumper
- High Rise

FEATURES

- 4 - 2 1/2" NH, 1/4 turn, ball, valves
- 2 - 5" or 6" NH suction adapters and caps, discharge and suction companion flanges as needed
- Air shift
- 1610 or 1710 full round yokes standard
- Pump rear of gearcase
- Output shaft for AZ02940 220 cfm compressor package



PERFORMANCE

EMBC 1000
 1000 gpm (3785 L/M) @ 150 psi (10.3 bar)
 700 gpm (2646 L/M) @ 200 psi (13.8 bar)
 500 gpm (1893 L/M) @ 250 psi (17.2 bar)

EMBC 1250
 1250 gpm (4731 L/M) @ 150 psi (10.3 bar)
 875 gpm (3312 L/M) @ 200 psi (13.8 bar)
 625 gpm (2365 L/M) @ 250 psi (17.2 bar)

EMBC 1500
 1500 gpm (5678 L/M) @ 150 psi (10.3 bar)
 1050 gpm (3974 L/M) @ 200 psi (13.8 bar)
 750 gpm (2839 L/M) @ 250 psi (17.2 bar)

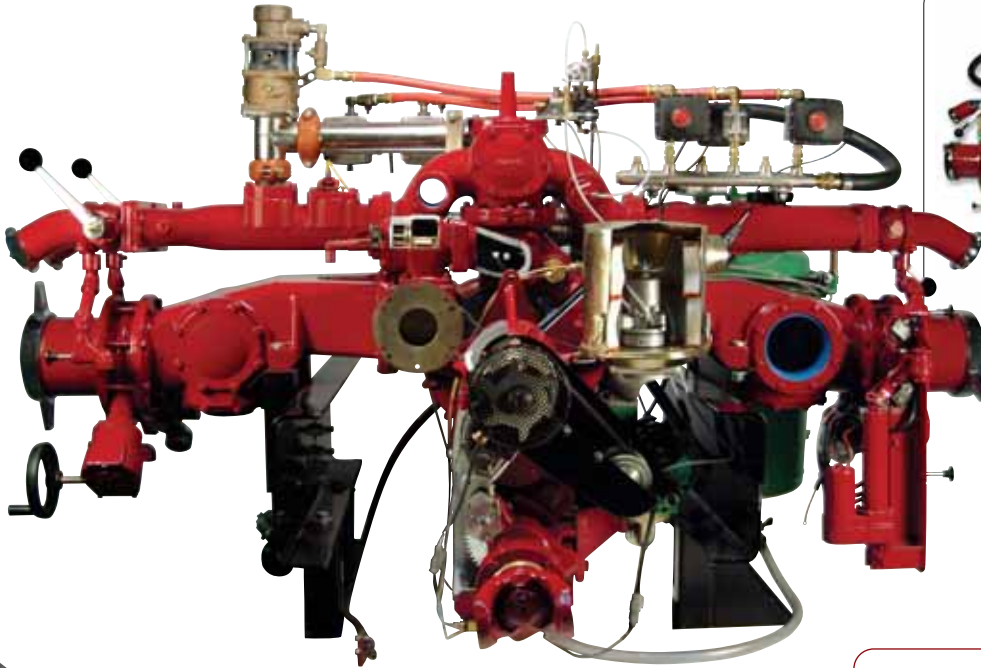
EMBC 2000
 2000 gpm (7570 L/M) @ 150 psi (10.3 bar)
 1400 gpm (5299 L/M) @ 200 psi (13.8 bar)
 1000 gpm (3785 L/M) @ 250 psi (17.2 bar)
 100 gpm (378 L/M) @ 500 psi (34.5 bar)

Simultaneous CAFS Flow
 440 gpm & 220 cfm @ 125 psi



LDMBC

Single Stage, Centrifugal, Midship Mounted, Pump Forward



AVAILABLE AS
A COMPLETE
MODULE

CAFS

DIMENSIONS

40" L x 76" W x 46" H, 2200 lbs. (997 kg)

APPLICATIONS

- Aerial
- Pumper
- Rescue Pumper
- Pumper Tanker

FEATURES

LDMBC 1000-1750

- 4 - 2½" NH, ¼ turn, ball valves
- 2 - 5" or 6" NH suction adapters and caps
- Discharge and suction companion flanges as needed
- Air shift
- 1610 or 1710 full round yokes standard

LDMBC - Complete Module, Side Control Panel or Top Console Control Panel

- All accessories for crosslay operation
- Hypro 2002 proportioner
- Air control valve

LDMBC - Complete with Foam Pro 2002 Proportioner Ready-to-Install

- LDMBC 1000-1750 pump assembly
- 4 - 2½" NH, ¼ turn, ball valves with caps
- 2 - 5" or 6" NH suction adapters and caps
- Discharge and suction companion flanges as needed
- 1710 full round yokes standard
- Air shift pump engagement
- AZ02900 220 cfm compressor package
- YE06101 CAFS manifold
- 1 - 2½" and 3 - 2" flanged outlets
- 3 - AZ02500 2" CAFS discharge valve assemblies

PERFORMANCE

Simultaneous Water
Up to 1750 gpm (6624 L/M) @ 125 psi (8.6 bar)
NFPA Ratings From 1000 - 1750



AutoCAFS™ Commander control system. Indicates and operates all CAFS functions and system information

- Output shaft for AZ02900 220 cfm compressor package
- Remote packing adjustment cables
- "Vision Series" identification labels
- Completely plumbed and service tested

- AZ02600 2½" CAFS discharge valve assembly
- AZ02301 ½" air valve manifold with air flow meter
- 4 - AZ02400 CAFS air valve volt assemblies
- Class A Foam Pro 2002 Proportioner
- 8 gallon poly foam tank
- Low level tank sensor

Simultaneous Compressed Air
220 cfm (6229 L/M) @ 125 psi (8.6 bar)



AUTOCAFS™ COMPRESSOR PACKAGES



AUTOCAFS™ I

120 CFM COMPRESSOR PACKAGE - INSTALLED

FEATURES

- 120 CFM compressor
- Compressor adapter and coupling
- Oil separator tank, separator head assembly with cartridge element
- Inlet valve
- AutoCAFS™ pressure modulating control with valves
- Thermostat/filter with element
- AutoCAFS™ automatic/manual air pressure control valve assembly
- Air cleaner with filter element
- VDO electric temperature gauge and sender
- Brazed plate oil cooler
- Required hoses

AUTOCAFS™ II

220 CFM COMPRESSOR PACKAGE - INSTALLED

FEATURES

- 220 CFM compressor
- AutoCAFS™ control module
- Integrated compressor mounting bracket
- Sprocket and belt assembly
- Belt cover
- 12 volt electric clutch
- Clutch control kit
- Inlet valve
- Air filter
- Air pressure safety valve
- Air/oil receiver/separator
- Oil to water heat exchanger
- Oil thermostat/filter assembly
- Oil temperature gauge
- Complete compressor hose kit
- Remote packing adjustment

AIR DISTRIBUTION VALVE ASSEMBLIES

Darley AutoCAFS™ AIR (Air Injection Regulator) air distribution manifold assembly is available for complete "motorized" valve control of individual air injection ports. It incorporates a stainless steel manifold with 6 ports for the application, one 12vdc air distribution actuated valve for each CAFS discharge valve assembly. Optional assembly AZ02303 includes an air flow meter which is mounted directly to the outlet port of the compressor system oil separator tank for air flow measurement and air valve calibration. A 72" primary air hose is included providing flexible remote mounting in the pump compartment.



AIR DISTRIBUTION VALVE ASSEMBLY



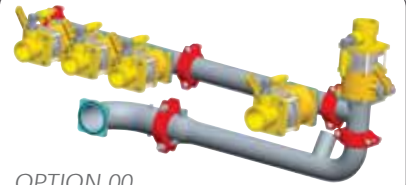
FOAM MANIFOLD CONFIGURATIONS

Three basic options are available for manifold configuration.

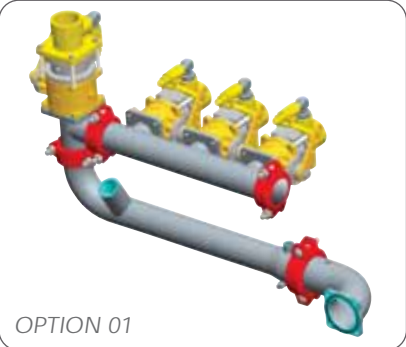
Option 00 – 2 - Flange for 2½" CAFS Valve, 3 - flange for 2" CAFS valve - extensions may be rotated to position valves in a horizontal or vertical orientation.

Option 01 – Standard OEM Configuration - 1 - 2½" flange for CAFS valve, 3 - Flange for 2" CAFS Valve – Extensions may be rotated to position valves in a horizontal or vertical orientation. Additional 3 outlet manifold extension can be optionally added for expansion.

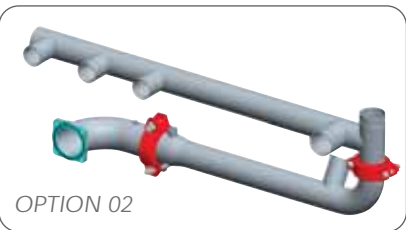
Option 02 – 2 - 2½" victaulic rolled groove, 3 - 2" victaulic rolled groove. This manifold assembly would be used in applications where it is desired to run extension piping from the manifold to individual flow meters (not supplied). OEM supplied Akron victaulic flange is required to attach CAFS valve assembly to manifold.



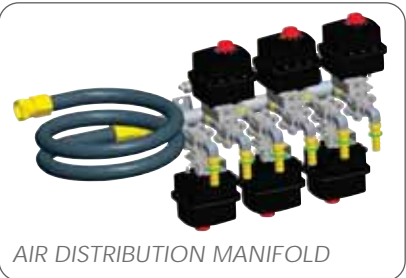
OPTION 00



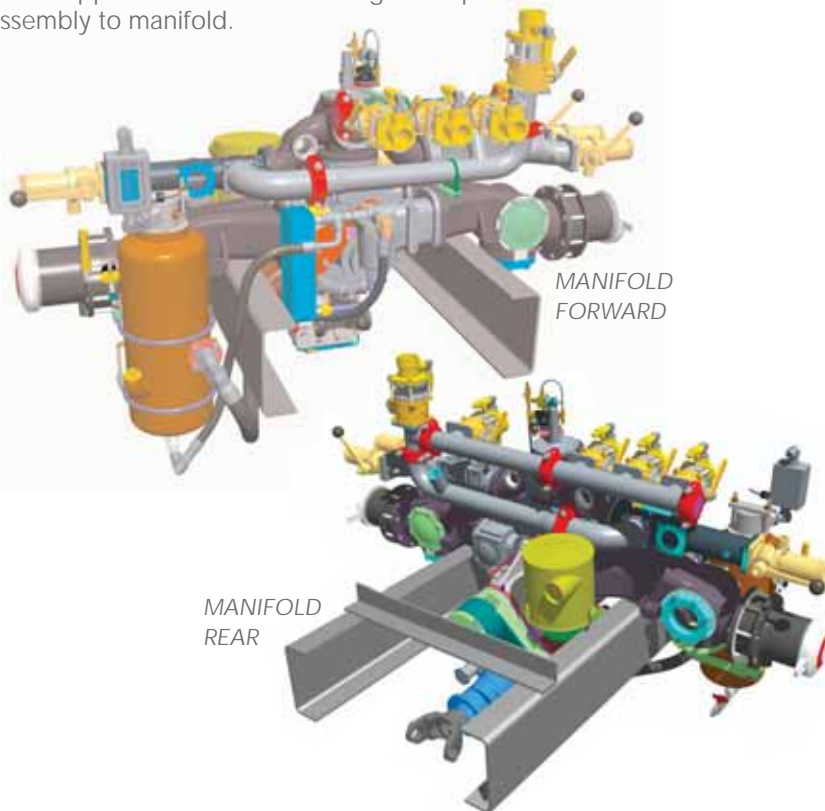
OPTION 01



OPTION 02



AIR DISTRIBUTION MANIFOLD



CAFS

DISCHARGE VALVE ASSEMBLIES

Darley CAFS discharge valve assemblies incorporate a foam solution check valve, air inlet check valve, and an adjustable air inlet flow control valve. The CAFS valve assemblies are available in 2" and 2½" sizes. Use a 2" valve assembly for crosslays and preconnects. A 2½" CAFS valve assembly is applicable to 2-1/2" discharge lines or deck guns. The standard OEM Manifold is configured for 1 - 2½" and 3 - 2" CAFS valve assemblies. Optionally, the CAFS discharge valve assembly is available complete with an integrated electric valve actuator and panel control.



DISCHARGE VALVE ASSEMBLY



DISCHARGE VALVE ASSEMBLY



FAST ATTACK SKID UNITS AND OHLER PUMPS



OHLER PUMPS

FAST ATTACK SKID UNITS

Darley Fast Attack Skid units are ideal for brush firefighting needs. Designed to fit into the standard 8' bed of any pickup truck, the unit features a 200 gallon Poly tank with "C" channel construction for easy installation and removal.

UHP-HV™

The UHP-HV™ (Ultra High Pressure-High Volume) module offers the best of both worlds for the wildland-urban interface. Darley has combined our versatile direct-drive 2BE pump and the CAT 7CP high pressure piston pump to meet all your firefighting needs in one compact package. The main pump can be used for water transfer or for 1½" hose for structural attacks, while the belt-driven CAT can produce low flow high pressure flows in excess of 1300 psi with optional foam through the ½" HP hose.

OHLER PUMPS

Darley acquired Ohler Pumps in 2007. In addition to manufacturing high quality products for the Department of Defense, Ohler also manufactures FAS units and our UHP-HV™. Visit Ohler Pumps at www.ohlerpumps.com for our complete line of over 15 models.

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FEATURES THAT SET DARLEY PUMPS APART

1. Hose tray
2. Roller & spool hose guide
3. Water / foam nozzle packages for N.A.F.S.
4. 250 / 300 gallon tank
5. Work light
6. Built-in foam cell
7. 1.5" Mattydale swivel
8. Honda engine
9. Additional discharges
10. Foam proportioners



FAST ATTACK SKIDS / OHLER



FAST ATTACK SKID UNITS

FAST ATTACK 1

DIMENSIONS	94" L x 48" W x 42" H, 700 lbs. (318 kg)
FEATURES	<ul style="list-style-type: none"> • 13 HP twin impeller Darley Davey pump with Honda engine • 200 gallon Pro Poly tank • F4000 Hannay electric rewind reel • 100' of 1" booster hose • Self-priming up to 19' • 1½" or 2½" NST suction adapter • 1" tank recirculation • 1½" tank to pump and discharge
KEY FEATURES	<ul style="list-style-type: none"> • Ergonomically designed • Forkliftable to standard pickup bed • Solid pump performance for grass firefighting
PERFORMANCE	<p>120 gpm (454 L/M) @ 40 psi (7.5 bar)</p> <p>95 gpm (359 L/M) @ 108 psi (7.4 bar)</p> <p>20 gpm (75 L/M) @ 146 psi (10 bar)</p>



Theoretical Friction Loss in
100' of 1" Booster @ 100 psi

12 gpm	= 2 psi
20 gpm	= 6 psi
30 gpm	= 14 psi

FAST ATTACK SKIDS / OHLER

FAST ATTACK 1 WITH OPTIONS

OPTIONS	<ol style="list-style-type: none"> 1. Hose tray 2. Roller and spool hose guide 3. Water/foam nozzle packages for N.A.F.S. 4. 250/300 gallon tank 5. Work light 6. Built-in foam cell 7. 1.5" Mattydale swivel 8. Honda engine 9. Additional discharges 10. Foam proportioners
----------------	---



BUILD YOUR OWN SKID AT DARLEY.COM, EMAIL YOUR INQUIRIES TO SKIDS@DARLEY.COM



FAST ATTACK 2

The Attack 2 has the same tank and reel as the Attack 1 but standardizes on our gear-driven or direct-drive Darley pump coupled to an 18 HP Honda engine with control panel.



DIMENSIONS

94" L x 48" W x 42" H, 900 lbs. (409 kg)

FEATURES

- Darley 18 HP pump
- Exhaust primer
- 200 Gallon Pro Poly tank
- Hannay electric rewind reel
- 100' of 1" booster hose

OPTIONS

- Briggs Vanguard, Honda and diesel engines
- N.A.F.S. Nozzle Aspirated Foam Systems
- JakPak drop-in bodies
- Foam proportioners: Foam Flurry or Darley Fast Foam 50

- For additional options, see the Attack 1 with options (opposite pg)

PERFORMANCE

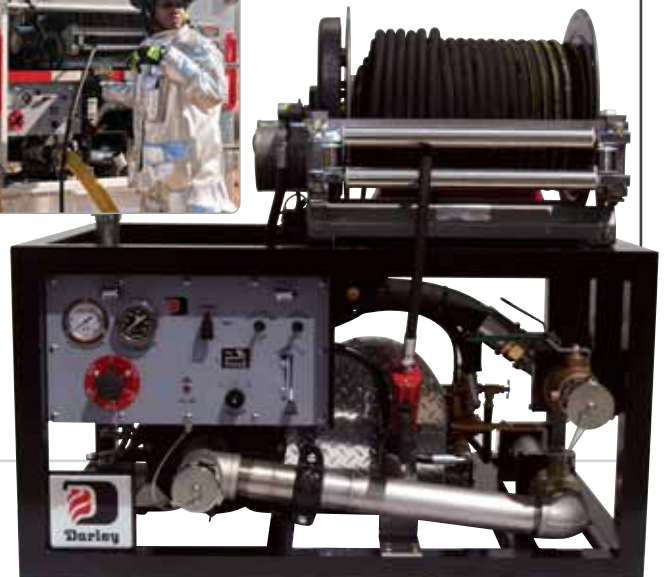
1.5AGE18V
 120 gpm (454 L/M) @ 130 psi (8.9 bar)
 100 gpm (378 L/M) @ 170 psi (11.7 bar)
 50 gpm (189 L/M) @ 250 psi (17.2 bar)

2BE18V
 375 gpm (1419 L/M) @ 25 psi (1.7 bar)
 300 gpm (1135 L/M) @ 45 psi (3.1 bar)
 100 gpm (378 L/M) @ 140 psi (9.6 bar)

UHP-HV™

ULTRA HIGH PRESSURE - HIGH VOLUME

The UHP-HV™ (Ultra High Pressure-High Volume) module offers the best of both worlds for the wildland-urban interface. Darley has combined our versatile direct-drive 2BE pump and the CAT 7CP high pressure piston pump to meet all your firefighting needs in one compact package. The main pump can be used for water transfer or for 1 1/2" hose for structural attacks while the belt driven CAT can produce low flow high pressure flows in excess of 1300 psi with optional foam through the 1/2" HP hose.



DIMENSIONS

- 46" W x 24 1/2" H x 32" D
- Reel Height: 42 1/2"
- 569 lbs. (258 kg)

FEATURES

- CAT 7CP high pressure piston pump with foam injection
- High pressure pump belt drive system
- High volume Darley 2BE pump
- Bronze impeller and seal rings
- Broached impeller for longer life
- Oversized bearing for longer life
- 10-tooth splined shaft for durability
- Exhaust primer

- Powder coated aluminum frame
- All stainless plumbing
- Electric rewind Hannay Reel with 200' of 1/2" hose, full capture leads
- Dual Strike Gun with holster (20' effective discharge)

PERFORMANCE

UHP-HV™
 8 gpm (30 L/M) @ 1200 psi (82.7 bar)
 100 gpm (378 L/M) @ 170 psi (11.7 bar)
 50 gpm (189 L/M) @ 250 psi (17.2 bar)

SIMULTANEOUS FLOWS

2BE23V
 120 gpm (454 L/M) @ 130 psi (8.9 bar)
 100 gpm (378 L/M) @ 170 psi (11.7 bar)
 50 gpm (189 L/M) @ 250 psi (17.2 bar)

FAST ATTACK SKIDS / OHLER



OHLER MILITARY PUMPS



OHler PORTABLE PUMPS

ENGINE • Air-cooled, single cylinder, 4-stroke diesel engine

FEATURES

- Fuel transfer with electric start
- Potable water transfer
- Water transfer
- Pump case, inlet flange, volute, impeller, and wear plate are sand cast aluminum and heat-treated
- Anodized aluminum quick couplings
- Shaft extension and metal seal components constructed of stainless steel
- Self lubricating mechanical shaft seal



150AAMCFP-1B30CS

PERFORMANCE

- 6.1 HP (continuous) @ 3,600 rpm
- Fuel capacity of 2.5 hours of operation at rated load

MODEL	NSN	DESCRIPTION
150AAMCFP-1B30CS	4320-01-547-8729	150 gpm Fuel Transfer Pump w/Electric Start Option (Portable)
150AAMCWP-1B30	4320-01-547-8734	150 gpm Potable Water Transfer Pump (Portable)
RA1029	4320-01-259-4407	125 gpm Water Transfer Pump (Portable)
RA1013	4320-01-390-8214	125 gpm Fuel Transfer Pump (Portable)
AFPS-6315-24VDC	4320-01-247-2633	DC Motor-Driven Fuel Transfer Pump w/Accessories Package

FAST ATTACK SKIDS / OHler

LE600

600 GPM FUEL/WATER PUMP ASSEMBLY

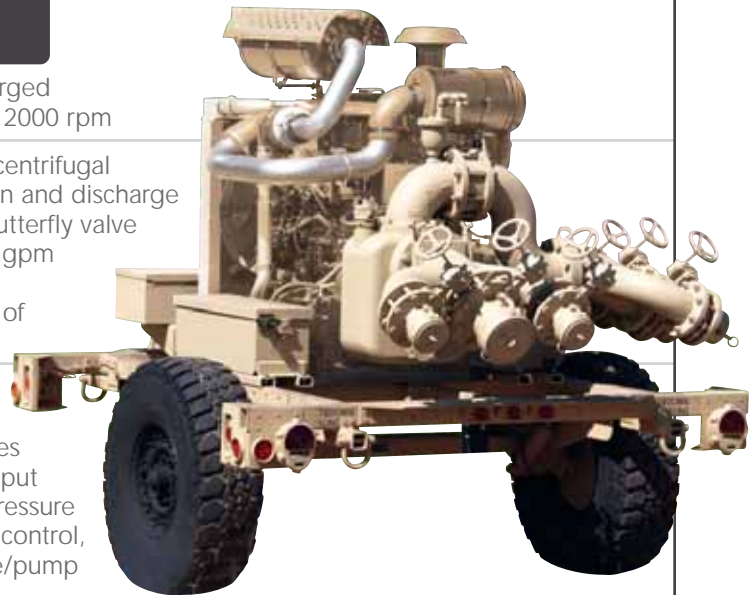
ENGINE • John Deere 4045HFJ85 turbo charged diesel open power unit. 149 hp @ 2000 rpm

PUMP

- Darley model LE600 self-priming centrifugal pump with mechanical seal, suction and discharge manifolds with 2 - 4" and 1 - 6" butterfly valve
- Capable of producing up to 1000 gpm @ 350 feet of head
- Far exceeds military requirements of 600 gpm @ 350 feet of head

FEATURES

- 2 - Wheeled Light Tactical Chassis Heavy Chassis (LTT-HC)
- 2 - 12 VDC AGM 810 CCA batteries connected in series for 24VDC output
- Smart Panel featuring automatic pressure control, secondary vernier throttle control, emergency stop, and other engine/pump control features
- 24.5 gallon fuel tank capable of 4 1/2 hours of continuous operation
- Mounted tool box containing a tarp, self-pounding grounding rod
- Easily removable in-line strainer assembly
- Fuel selector valves for fueling from tank, auxiliary source, or off



CHOICE OF THE UNITED STATES MARINE CORPS

PERFORMANCE

1100 gpm (4164 L/M) @ 140 psi (9.6 bar)
 600 gpm (2271 L/M) @ 200 psi (15.1 bar)
 100 gpm (378 L/M) @ 225 psi (15.5 bar)



PUMP MODULES



SOLUTION SERIES™ MODULES

Darley Solution Series™ Modules provide the answer for departments trying to maximize a vehicle's mission capabilities with multi-purpose functionality. Available with NFPA ratings from 500-1500 gpm, Solution Series™ modules minimize the space taken by the pump house and allow maximization of equipment and water carried on an apparatus.

DARLEY PUMP MODULES

Darley Pump Modules offer departments a wide choice of custom options. They provide a solid specification for bid solicitations and allow departments to standardize the pump house regardless of the truckbuilder. PTO and Midship Modules are available from 500-2000 gpm with many options including Class A Foam and CAFS.

DARLEY AUTOCAFS™ MODULES

Darley introduced CAFS to the North American market over 25 years ago and has continually strived to produce systems that are both user friendly and have the space necessary for annual maintenance. Utilizing Darley AUTOCAFS™ Modules is a great way to encompass all of Darley's CAFS expertise with your department's preferred truck builder.

DARLEY PURIFIRE® 4S10F MODULE

Darley continues to be a leader in innovation in the emergency response market with the incorporation of Darley's patent-pending combination of a fire pump and PuriFire® water purification system. The 4S10F provides a solution for towns prone to natural disasters impacting water quality as well as for high profile areas at risk of potential terrorist attacks. This product allows a department to equip its firefighting apparatus with a life-saving device that adds no additional space to the pump house and no impact on firefighting operations on or behind the panel. The 4-stage PuriFire® 4S10F is available on all Darley pump modules (28" HM 500 module shown). Also available with additional stages for enhanced decontamination capabilities.

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PUMP MODULES

FEATURES THAT SET DARLEY MODULES APART

1. Stainless plumbing standard
2. Anodes standard
3. Comprehensive module warranty
4. Nearly 100 years of truck building experience



HM 500 SOLUTION SERIES™ MODULE

FEATURES

- 500 - 700 lbs. (dependant on options)
- 4 bolt frame attachment, turnkey package
- PTO driven HM 500
- 4" suction
- 2½" auxilliary suction
- 2" pump to tank, push pull controlled
- Darley AutoControl™ governor
- Darley oil-less primer
- Water level gauge
- Electrically actuated tank to pump
- 2 - 2½" panel mounted discharges, lever controlled
- 2 - 1½" crosslays, push-pull controlled

OPTIONS

- Hand wheel controlled tank to pump
- Air actuated tank to pump
- Front/rear discharge
- Deck gun
- Foam level gauge

SAVE VALUABLE
SPACE AND WEIGHT!



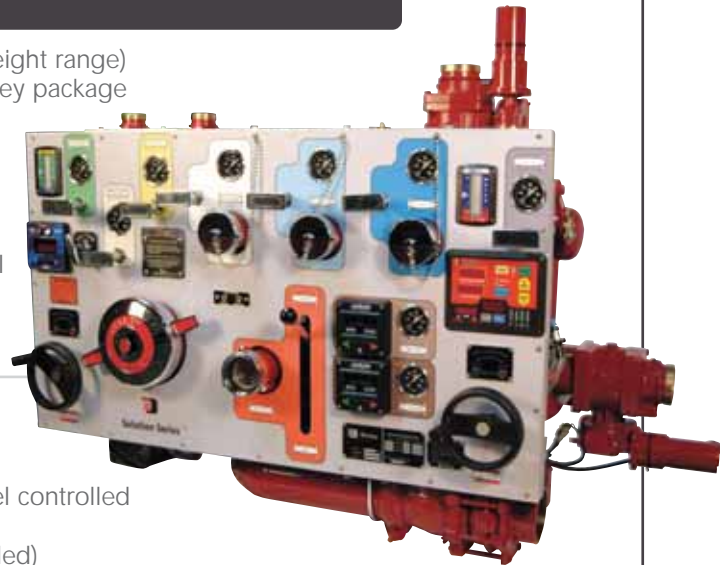
PSP 1250 SOLUTION SERIES™ MODULE

FEATURES

- 900 lbs. - 1,100 lbs. (Approximate weight range)
- 6 bolt attachment to frame rail, turnkey package
- PTO driven
- Single side 6" suction intake
- Fully engineering side slung module
- Darley AutoControl™ governor
- Darley rotary vane primer
- 2" Akron push-pull controlled tank fill
- 4" Darley tank to pump swing check valve assembly
- Water level gauge

OPTIONS

- Optional transmission mounting angle for improved driveline angles (varies from chassis to chassis)
- 6" butterfly valve, manual hand wheel controlled
- 3 - Panel mounted 2½" discharges (Optionally lever or push-pull controlled)
- Up to 3 - 3" Akron electrically actuated water only discharges (LDH passenger, LDH rear, LDH monitor/deck gun, LDH front bumper, etc.)
- 1 - 3" Akron electrically actuated water/foam discharge
- 3 - 2" Akron push-pull controlled water/foam discharges for cross-lay, speed-lay, or front discharge
- Foam level gauge
- Foam Pro 2001/2002 system



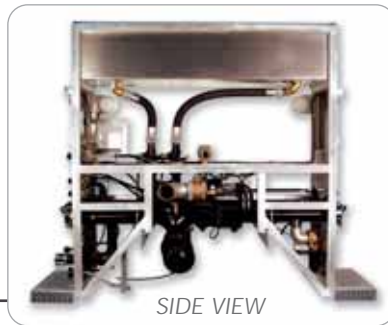
PTO MODULES

FEATURES

- NFPA Pump and roll on all models
- Flows up to 1500 gpm
- Pump mounted by Darley custom to the chassis to ensure proper operating angles
- Stainless steel or Vinyl clad aluminum panels
- Darley Autocontrol Governor
- Foam capable

OPTIONS

- Top mount
- Top mount with walkway
- Foam systems
- Customer specified discharges
- Deck gun
- Odin AutoFill™
- Crosslay covers
- Deadlays
- Hose trays
- Walkway storage
- Darley factory install



SIDE VIEW



MIDSHIP MODULES

FEATURES

- Darley AutoControl™ governor
- Stainless steel or Vinyl clad aluminum panels
- Foam capable
- Ratings from 500-2000 gpm

OPTIONS

- Top mount
- Top mount with walkway
- Foam systems
- Customer specified discharges
- Deck gun
- Odin AutoFill™
- Crosslay covers
- Deadlays
- Hose trays
- Walkway storage
- Darley factory install



PUMP MODULES



CAFS MODULES

FEATURES

- Darley AutoControl™ governor
- Darley AutoCAFS controller
- Darley AUTOFILL tank fill
- 120 cfm & 220 cfm packages
- Stainless Steel or Vinyl clad aluminum panels

OPTIONS

- Top mount
- Top mount with walkway
- Foam systems
- Customer specified discharges
- Deck gun
- Odin AutoFill™
- Crosslay covers
- Deadlays
- Hose trays
- Walkway storage
- Darley factory install
- Darley factory CAFS calibration (with factory install)

DROP SHIP YOUR CHASSIS AND LET US INSTALL YOUR MODULE. WE CAN ALSO SHIP THE MODULE TO YOU FOR INSTALLATION.



4S10F PURIFIRE® MODULE



FEATURES

- Also available as 5S10F and 7S10F
- Self flushing filters
- Fire pump ratings from 250-2000 gpm
- Power source: Fire pump engine
- Purification process: 4 stages
- Disinfection: Ultraviolet light and ozone
- Capacity: 10 gpm
- Operating pressure: 90 psi
- Screen strainer
- Pleated or dual-gradient filter

OPTIONS

- Top mount
- Top mount with walkway
- Foam systems
- Customer specified discharges
- Deck gun
- Odin AutoFill™
- Crosslay covers
- Deadlays
- Hose trays
- Walkway storage
- Darley factory install

LARGE VARIETY OF PURIFICATION SYSTEMS ARE AVAILABLE TO MEET YOUR NEEDS



PUMP ACCESSORIES

ADAPTERS

Many of Darley's portable pumps feature NPT ports. Let Darley provide you with the adapter that will best fit your needs. A variety of special threaded adapters are also available.



BATTERY & CABLES

Darley's battery and cables are a perfect fit to every portable pump. This 12 volt 300 amp battery will start under the most adverse conditions. 7 1/2" L x 5" W x 6" H.



2605006 Darley Battery & Cables

DARLEY CONTROL PANEL

Control panels are available on many of Darley's portable pumps. The control panel includes a RUN/STOP ignition switch, a starter button, throttle, liquid-filled gauges. It will also work with recoil rope start engines. Ship. wt. 1 lb.



AC01104 Darley Control Panel

REMOTE CONTROL PANEL

Remote start control panels are used for diesel engine driven systems, fully assembled and wired with a 25' extension harness.

- Ignition switch
- Low oil pressure light
- Charge light
- 97 Db audible alarm
- Auto throttle switch



FUEL TANKS

Darley's fuel tanks are another accessory for your portable pump. The plastic fuel tanks are available in 3 and 6 gallons. They come complete with everything needed to fuel your portable pump.



KE00128 Darley 6 Gallon Fuel Tank
KE00129 Darley 3 Gallon Fuel Tank

HAND PRIMER

Darley's hand primer provides a reliable alternative for your portable pumps standard exhaust-type primer. In addition, your pump will be primed before starting, and it will prevent the pump from running dry.



AP003 Darley Hand Primer

ROLL CAGES

Darley offers a variety of wrap around roll cages for all its pumps. Frames feature tubular steel and many incorporate the pump/engine controls. If you are interested in a roll frame for your pump, contact us as frames vary from pump to pump.



SPARK ARRESTOR

All Darley portable pumps can be equipped with spark arrestor to reduce the chance of fire hazard from the engine exhausts. This economical option is demanded by many of our wildland customers, such as federal and state forest services.



PUMP ACCESSORIES

MECHANICAL SEAL

Made with a silicon carbide stationary seat, which is extremely hard and heat dissipative. Resists wear and dry running damage better than traditional, ni-resist and tungsten carbide materials. While Darley does not advocate running any pump dry, this seal has been run dry in testing for up to six hours.



INJECTION PACKING

Optional injection packing within a packing gland can minimize friction, heat generation and apparatus down-town time and can be adjusted in minutes. Material is a plastallic composite.



3817104 Injection Packing

REMOTE PACKING ADJUSTMENT CABLE

Remote cables allow packing adjustments to be made from a hex-nut located below the running board.



AM00100 Remote Packing Adjustment Cable

PUSH/PULL PRIMER VALVE

Easy to install in 1 1/4" diameter panel hose. Connection ports are 1/2" NPT female. Assembly includes valve, cast panel plate, primer activation switch and wiring pigtail. Ship wt. 2 lbs.

- Lightweight anodized aluminum construction
- Large chrome-plated T-handle



VM00310 Push/Pull Primer Valve

ROTARY VANE PRIMER

Positive displacement rotary vane vacuum pump for 20' to 28' suction lifts compatible with any fire pump. Constructed of heat-treated and hard-coated anodized aluminum alloy. Solenoid-operated motor runs from vehicle's electrical system. Priming system includes bronze push/pull valve with electric switch, and complete mounting and operating instructions. Rotary vane priming pump with valve, solenoid and motor. 12 volt or 24 volt. Ship. wt. 42 lbs.



AP00950 Rotary Vane Primer
AP00960 Fluid-Less Vane Primer

PUMP OVERHEAT PROTECTION SYSTEM

Protect your pump from overheating with an easy to install stainless steel and brass temperature relief system. Preset temp of 120°F, then dumps up to 55 gpm to atmosphere and resets automatically. Available in 12 and 24 volt. Rated to 600 psi and fits any pump.



AN00301 Pump Overheat Protection System

DRAIN VALVE

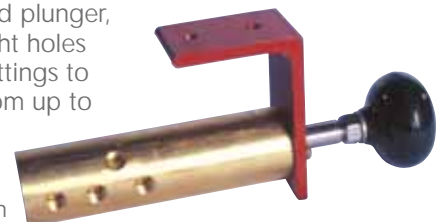
3/4" NPT female Push/Pull design. Do not risk frozen lines or corrosion. Stainless steel shaft. Fast draining where needed.



5200100 Drain Valve

MASTER DRAIN

Heavy brass tubing and plunger, stainless steel rod. Eight holes tapped for iron pipe fittings to hold copper tubing from up to eight locations.



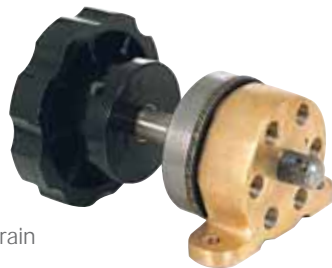
VD00102 Master Drain



PUMP ACCESSORIES

MULTI-PORT ISOLATED VALVE

This 6-port drain is designed with independent ports which virtually eliminate inaccurate gauge readings. Allows for quick and variable pump drainage. Ship wt. 4 lbs.



VD00600 Multi-Port Isolated Drain

VALVES

Wide variety of simple, easy to install in-line, compact, discharge and pony suction valves. Have hard stainless steel balls with brass housing. Valves are self-locking and won't creep under pressure.



DISCHARGE RELIEF VALVE

Made of high-strength bronze alloy for corrosion resistance and long service life. For pressure relief, valves automatically activate at a preset pressure up to 800 psi. Remote panel control provides ON/OFF selector valve, large handwheel pressure setting control, flush valve and strainer. Switch attachment actuates pilot light to indicate open or closed valve. Mechanical override allows manual valve closure. Ship. wt. 35 lbs.



VR00700 3" Thru 1500 GPM

SUCTION RELIEF VALVE

Meets NFPA 1901 requirements. We removed the "ON/OFF" valve and the "MANUAL OVERRIDE" features, but the "guts" of the valve are the same as the discharge relief valve that has logged over 20 years of reliable service. Ship. wt. 35 lbs.



VR00500 Suction Relief Valve

AUTOCONTROL™ GOVERNOR

The pump AutoControl™ governor not only regulates pump pressure, but monitors all essential engine vital signs. This automatic pressure governor constantly monitors and adjusts the pump throttle to safely maintain the desired pressures.



- Pump intake and discharge pressures in PSI and Kpa
- Pump cavitation alarm and adjustment back to idle
- Engine monitoring of oil pressure, water temperature, battery voltage, and engine RPM
- Preset function for instant and reliable operation
- Save money: pressure relief valve or individual gauge controls are no longer required

2603145 Darley AutoControl™ Governor, All Engines
4216300 Darley AutoControl™ Governor, Ford 6.0

SMART PANEL

The Smart Panel features high-resolution controls that can easily be read in sunlight with a WVGA 800 x 480 panel. It displays engine data including battery voltage, oil pressure, temperature and RPM, inlet pressure, pump discharge pressure, set point, water tank level, foam tank level, and air compressor temperature and pressure.



- J1939 connector for easy installation and accurate readings
- Acts as pressure regulator or can control engine speed
- Completely waterproof
- Rotary knob for setting pressure/RPM
- 7" high contrast color LCD screen
- Used on LE600 pumps for USMC

4227800 Smart Panel

PUMP ACCESSORIES



PUMP ACCESSORIES

AIR FLOW METER

Air flow meters reliable measurement of compressed air used in discharge attack lines or air flows from rotary screw compressor. They can also be utilized for testing, maintenance and trouble-shooting.



- 2603301 150 cfm Box Style
- 2603302 250 cfm Box Style
- 2603303 250 cfm Box Style w/Digital Output

DUPLEX GAUGE

Allows operator to obtain a visual confirmation that water and air pressures are balanced. For compressed air foam systems.



- 2603078 4 1/4" 0-400 psi Liquid-Filled
CAFS Duplex Gauge

NOZZLES

NAFS and CAFS nozzles are made of high quality materials and are designed to provide the best performance for your system.



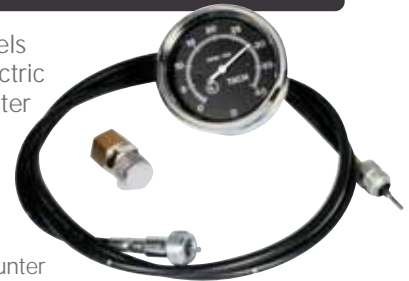
MAINTENANCE KITS

Complete maintenance kits provide all of the basic filters and belts for annual service. The price and components will vary for each model. Please consult Darley/Odin for parts list and pricing.



ELECTRIC TACH, HAND SPEED COUNTER

Fire apparatus control panels equipped with Darley's electric tach and hand speed counter accurately measure the pump's RPM.



- AT00201 Electric Tach and
Hand Speed Counter

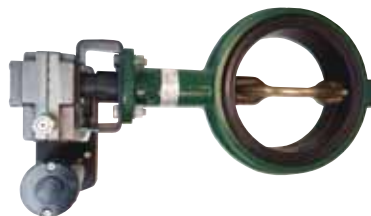
CAFS VALVE PACKAGES

Packages include ergonomic preset, yet variable, air flow controls allowing ease of operation. Available from 1" through 4" sizes.



ELECTRIC BUTTERFLY VALVE W/MANUAL OVERRIDE

5" or 6" butterfly valve with electric actuator and manual override. Variable settings between full open or full closed. Easy access to override feature. 12 or 24 volt.



BUTTERFLY VALVES

Behind-the-panel butterfly valves are available in either manual or electric, meeting the latest NFPA slow close and relief valve requirement.



CHROME CAPS & CHAINS

Darley chrome caps and chains are great accessories for any Darley portable and engine driven pump. Protects threads and enhances the look of any pump. Caps and chains are available in all standard sizes.



MAGNESIUM ANODE

Sacrificial catalytic action of these magnesium anodes helps prevent rust and corrosion in your pump or booster tank. Threaded mounting plate suspends the 3/4" x 4" solid anode in the pump water. When the expendable anode dissolves, simply replace with a new one.



- 4419500 Magnesium Anode



CORPORATE HEADQUARTERS

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P: 630.735.3500 • TF: 800.323.0244 • F: 708.345.8993

PUMP DIVISION

1051 Palmer Street • Chippewa Falls, WI 54729-5413
P: 715.726.2650 • TF: 800.634.7812 • F: 715.726.2656

OHLER PUMP CO. / ODIN FOAM

P.O. Box 386 • 501 Maple Street • Janesville, IA 50647-7712
P: 319.987.2121 • F: 319.987.2161



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