



PUMP CATALOG

PORTABLE

ENGINE DRIVEN

FRONT/REAR MOUNTED

PTO

MIDSHIP MOUNTED

CAFS

FAST ATTACK SKIDS

PUMP MODULES

MARINE

OHLER



University of Georgia

College of Business

Accounting Department

Accounting 302

Spring 2024

Section 001

Dr. [Name]

Office: [Address]

Phone: [Number]

Email: [Address]



CORPORATE HEADQUARTERS

325 Spring Lake Drive • Itasca, IL 60143-2072
P: 630.735.3500 • TF: 800.323.0244 • F: 630.735.3560

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
Ohler P: 319.987.2121 • Odin P: 319.987.2226 • F: 319.987.2161



WWW.DARLEY.COM | PUMPSALES@DARLEY.COM

TRUSTED WORLDWIDE SINCE 1908

A MESSAGE TO OUR CUSTOMERS



W.S. Darley & Co. is proud to have served the world's fire service for over 100 years. Today, Darley pumps can be found in service in over 125 countries.

We are excited to bring you this 96-page pump catalog filled with a wide variety of high quality, highly efficient and competitively priced pumps, CAFS and related products. With over 300 pump models available, this catalog features our most popular selling pumps. From portable pumps to our new 6000 GPM industrial pumps, Darley has a pump for virtually any application.

If you don't see what you're looking for, please visit darley.com or contact one of our Team Darley members for assistance at pumpsales@darley.com. Our sales and engineering teams offer prompt technical assistance and after more than 100 years, you can still talk to a Darley family member.

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 ODIN Foam in 1997, Ohler Pump Company in 2007 and Self Testing Systems Residential Fire Systems in 2014.

Our portable and PTO pumps are the standard for demanding fire departments like the U.S. Forest Service, CalFire, and the BLM. Darley midship pumps protect small communities and many of the largest cities in the USA and around the world.

We've been serving our military since before WWII. Our P-100 Diesel Powered Portable Pump is demanded by the U.S. Navy for firefighting and damage control, and the U.S. Coast Guard relies on our P-1 and 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 rigorous engineering and testing requirements ensures that your pump will provide years of reliable service. All pumps are designed and tested to exceed NFPA ratings. Backed by the industry's longest warranty – 6 years, it's no wonder that so many Demand Darley.

Darley's Ohler/ODIN Plant in Janesville, Iowa

We invite you to visit our state-of-the-art facilities which encompass over 200,000 sq. feet of manufacturing, sales and service. Darley pumps are 100% manufactured in the USA and Darley has remained family owned and operated since 1908.

Whether you've been relying on Darley for decades or just considering us for the first time, we appreciate you taking a hard look at us and look forward to serving you. If there is anything that I can assist you with, please don't hesitate to reach out.

Sincerely,

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



Darley's International Headquarters in Itasca, Illinois

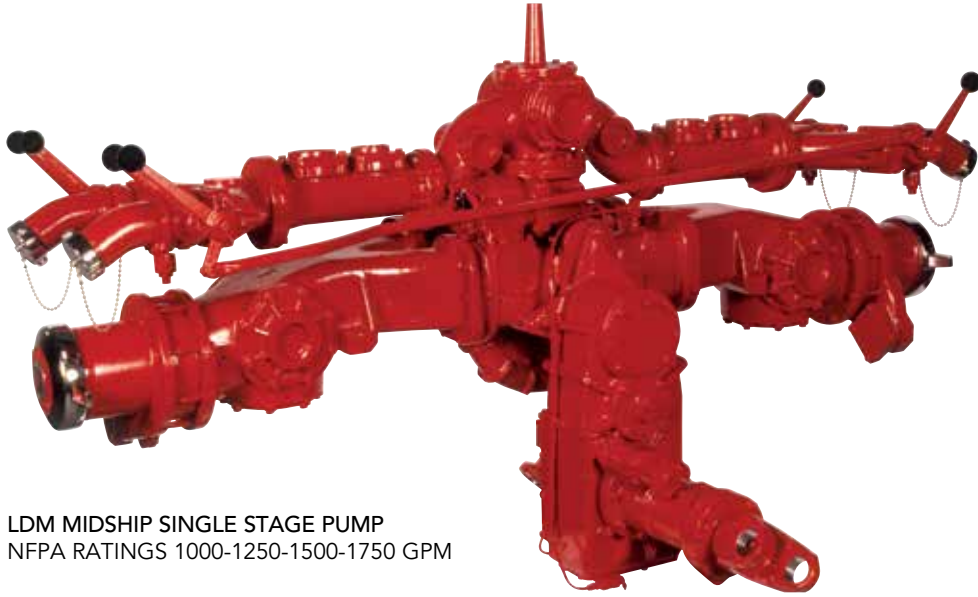


Darley Pump Plant in Chippewa Falls, Wisconsin



BBB RATING: A+

WHY DEMAND DARLEY



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

SELF-LOCKING DISCHARGE VALVES

Stainless steel ball valves stay secure in the position you choose.



DISCHARGE CHECK VALVE

Prime pumps with discharge gates open and caps removed for rapid water deployment.



AUTOCOOL™ AND MAGNATRANS™

Darley pump transmissions are the strongest in the market. The patented Autocool™ ensures oil cooling without the possibility of water contamination.



VACUUM CAST IMPELLER

Durable and efficient, balanced to fit a 10-splined stainless steel pump.



MECHANICAL SEAL

Extremely hard and heat dissipative silicon carbide stationary face allows pumps to run dry for short durations maintenance and is drip free.



LONGEST WARRANTY

The longest and most comprehensive warranty in the industry with a six year manufacturer's warranty. Includes three years of parts and labor coverage at no charge on our Midship and PTO pumps. We've got your back.



ISO 9001 CERTIFIED

Our pump division is registered as an ISO 9001: 2008 Certified facility accredited by Underwriters Laboratories Inc.

ENGINEERED FOR LIFE

Darley engineers use the latest technology platforms such as ANSYS CFD and Solidworks to design our pumps.

SALES AND SERVICE

We ship approximately 90% of all repair parts within 24 hours.

DARLEY FAMILY OF PUMPS

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 - 18



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 59 - 74



DIESEL PORTABLE PUMPS

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

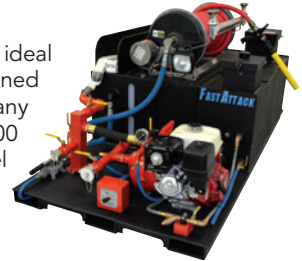
PAGES 19 - 26



FAST ATTACK SKIDS

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.

PAGES 75 - 78



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 27 - 32



PUMP MODULES

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

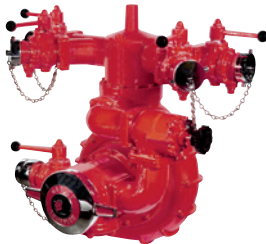
PAGES 79 - 82



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 33 - 40



MARINE PUMPS

Darley offers marinised versions of our portable, front mount and engine driven pumps featuring engines from Honda and Steyr.

PAGES 83 - 88



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 41 - 52



OHLER PUMPS AND CUSTOM PUMP SOLUTIONS

Ohler pumps offer a range of pumps for industrial applications including diesel fuel, mining and trash flow.

PAGE 89 - 90



MIDSHIP MOUNTED PUMPS

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

PAGES 53 - 58



PUMP ACCESSORIES

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

PAGES 91 - 95



GASOLINE PORTABLE PUMPS

DARLEY GASOLINE PORTABLE PUMP MODELS ARE AVAILABLE WITH A WIDE VARIETY OF ENGINES FROM BRIGGS & STRATTON VANGUARD, HONDA, AND ROTAX.



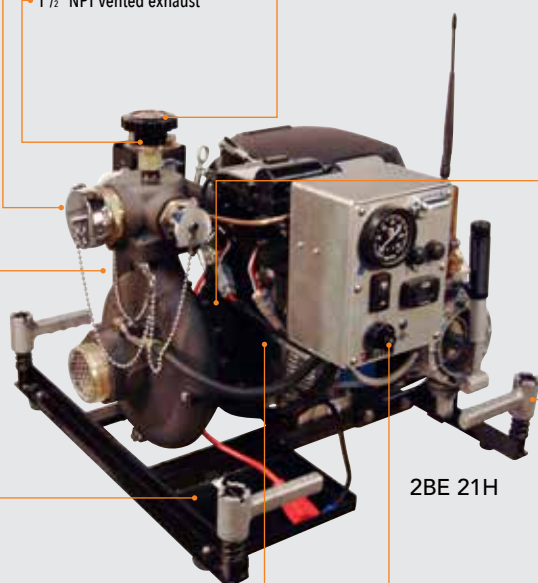
FEATURES THAT SET DARLEY PORTABLES APART

Optional Darley chrome caps and brass adapters

Easy to operate discharge valve with integrated check valve allows pump to be primed with discharge valves open

1 1/2" NPT vented exhaust

Pump manufactured and assembled in Chippewa Falls, Wisconsin (excludes Davey pumps)



2BE 21H

Hard coated anodized pump cases are standard on most portable pumps

Exhaust primer allows pump to be primed with lifts up to 22'

Easily stowed carrying handles with ergonomic grips

Wide variety of control panels available including pressure gauges, wireless controls, remote priming, start button, kill switch and light

All portable pumps come standard with mechanical seals, injection packing is optional at no additional charge

MOST MODELS IN STOCK FOR IMMEDIATE DELIVERY

SECTION INDEX

5.5 & 6.5 HP DAVEY PORTABLE PUMPS.....	4
9, 10 & 13 HP DAVEY PORTABLE PUMPS.....	5
10.5 & 11 HP FLOATING PUMPS.....	6
190CC & 4 HP PORTABLE PUMPS	7
6.5 HP PORTABLE PUMP.....	8
13 HP PORTABLE PUMPS.....	8-9
18 HP PORTABLE PUMPS.....	10 - 12
21 HP PORTABLE PUMPS.....	13
23 HP PORTABLE PUMPS.....	14-15
35 HP PORTABLE PUMPS.....	16
37 HP PORTABLE PUMPS.....	17
64 HP PORTABLE PUMPS.....	18

PUMP CATEGORIES

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 1-1/4AGE pumps are our highest pressure portables, 1-1/2AGE is our most popular pump offering high pressures with medium flows and the 2-1/2AGE 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.

DAVEY PORTABLE PUMPS

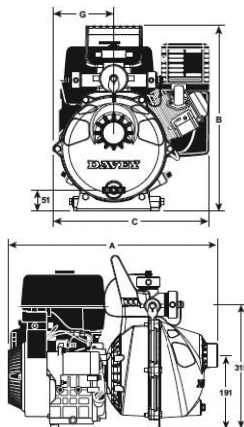
AFFORDABLE, PORTABLE, ENGINE-DRIVEN SELF-PRIMING

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 transfer.

**IN STOCK FOR
IMMEDIATE DELIVERY**

DESIGN FEATURES

- Marine-grade aluminum casing
- 3-way discharge port with 1 - 1½" NPTM, 2 - 1" NPTM
- 1½" NPTM suction
- Zinc-plated casing bolts
- Mechanical shaft seal
- Nitrile rubber seal and casing "O" rings
- Self-priming up to 19'
- Easy installation
- Compact and lightweight
- High pumping efficiency
- Low oil protection



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"

5.5 & 6.5 HP SINGLE-IMPELLER

FEATURES

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

WEIGHT

- 49 lbs. (22 kg)

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)

PART NUMBER

AK312: 6.5 HP Briggs & Stratton OHV Vanguard with Recoil Start
AK302: 5.5 HP Honda OHV with Recoil Start - GX160



AK302

5.5 & 6.5 HP TWIN-IMPELLER

FEATURES

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

WEIGHT

- 60 lbs. (27 kg)

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)

PART NUMBER

AK300: 6.5 HP Briggs & Stratton OHV Vanguard
AK304: 5.5 HP Honda OHV with Recoil Start - GX160



AK300

9 & 10 HP TWIN-IMPELLER

FEATURES

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

WEIGHT

- 80 lbs. (36 kg)

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)

PART NUMBER

AK308: 9 HP Honda Two-Stage - GX270
AK301: 10 HP Briggs & Stratton OHV Vanguard
AK313: 10 HP Yanmar Diesel Two-Stage



AK301

13 HP TWIN-IMPELLER

FEATURES

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

WEIGHT

- 92 lbs. (42 kg)

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)

PART NUMBER

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

ACCESSORIES

BE078: Automatic pressure relief valve kit



BE078



AK306

DAVEY PUMP OPTIONS

JD001

PROPANE CONVERSION KIT

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

AK310

PUMP ROLL CAGE WITH BATTERY TRAY

Pre-drilled powder-coated roll cage with battery tray fits 6.5-13 HP gasoline-driven Davey firefighter pumps.

DIMENSIONS

- Pump Roll Cage: 30" x 19" x 21"



JD001



AK310

10.5 HP FLOATING PUMP



HEF 10.5BS DOLPHIN™

DOLPHIN FLOATING PUMP, HIGH-VOLUME, SELF PRIMING

DESCRIPTION

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 Intek single cylinder, 4 cycle, 2.8 qt. fuel tank, recoil rope start

DIMENSIONS & WEIGHT

- 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)

HIGHEST VOLUME FLOATING PUMP ON THE MARKET



11 HP FLOATING PUMP

HEF 11H DOLPHIN™

DOLPHIN FLOATING PUMP, HIGH-VOLUME, SELF PRIMING

ENGINE

- Honda GVX390: OHV engine, 2.8 qt. fuel tank, recoil rope start

DIMENSIONS & WEIGHT

- 33"L x 30"W x 20"H, 120 lbs. (55 kg)

APPLICATIONS

- Booster tank fill, transfer and supply

FEATURES

- Honda GVX390
- 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)

WORKS IN AS LITTLE AS 6" OF WATER



190CC FLOATING PUMP



2BEF-BS PORPOISE™

HIGH VOLUME, SELF PRIMING

ENGINE

- Briggs & Stratton: 8.75 ft. lbs. torque, 190 cc, 1.2 qt. fuel tank

DIMENSIONS & WEIGHT

- 26.5"L x 21"W x 15.62"D, Under 59 lbs. (27 kg)

APPLICATIONS

- Water transfer, tank fill, firefighting

FEATURES

- 3" screened suction inlet
- 2½" NHM discharge
- Aluminum alloy pump casing
- Bronze impeller

PERFORMANCE

100 gpm (379 L/M) @ 40 psi (2.8 bar)

290 gpm (1098 L/M) @ 10 psi (0.7bar)

LOW COST
FLOATING PUMP



PORTABLE - GASOLINE | 1.800.323.0244 | DARLEY.COM/PUMPS

4 HP PORTABLE PUMP

PORTABLE DAMAGE CONTROL CGP1 PUMP (U.S. COAST GUARD P1)

HIGH VOLUME, DIRECT DRIVE, ENGINE MOUNTED

NSN

- 4320-01-HS2-3093

ENGINE

- Honda Model GX120: 4 HP

DIMENSIONS & WEIGHT

- 18"W x 14"D x 18"H, 50 lbs. (23 kg)
- Pump, hoses and fuel tanks shipped in A528 drum

APPLICATIONS

- Dewatering, transfer and supply

FEATURES

- 15' suction hose with strainer
- 20' discharge hose with check valve
- 2" suction port
- 3" discharge port
- Cradle pump base
- Manual diaphragm priming pump

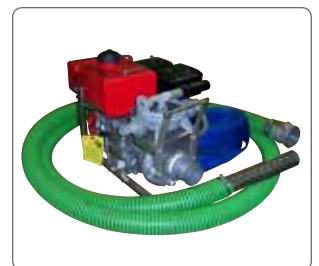
OPTIONS

- Hose accessory kit

PERFORMANCE

120 gpm (454 L/M) @ 5' suction lift

CHOICE OF THE
U.S. COAST GUARD



6.5 HP PORTABLE PUMP



2BE 6.5 HCG PUMP (U.S. COAST GUARD P6)

MEDIUM PRESSURE, HIGH VOLUME, DIRECT DRIVE, ENGINE MOUNTED

NSN

- 4320-01-470-5515

ENGINE

- Honda Model GX200: Air-cooled 4 stroke OHV, single cylinder, 6.5 HP, recoil rope start back-up

DIMENSIONS & WEIGHT

- 18"L x 16"W x 19"H, 49 lbs. (22 kg)

APPLICATIONS

- Dewatering, light duty brush truck, transfer and supply

FEATURES

- 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

CHOICE OF THE U.S. COAST GUARD



OPTIONS

- Discharge hose
- Container and cover
- Adapters
- Suction hose with strainer
- Contact Darley for Coast Guard model specifications

PERFORMANCE

275 gpm (1040 L/M) @ 12 psi (0.8 bar)

175 gpm (662 L/M) @ 28 psi (1.9 bar)

100 gpm (378 L/M) @ 45 psi (3.1 bar)

13 HP PORTABLE PUMP

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, control panel

DIMENSIONS & WEIGHT

- 27"L x 21"W x 23"H, 145 lbs. (66 kg)

APPLICATIONS

- Light duty brush truck, booster tank fill, transfer and supply

FEATURES

- 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
- 1 1/2" NPT suction
- 2-1 1/2" NPT discharges

OPTIONS

- Adapters, gauge, battery and caps

PERFORMANCE

60 gpm (227 L/M) @ 160 psi (11 bar)

40 gpm (151 L/M) @ 220 psi (15 bar)

20 gpm (76 L/M) @ 260 psi (17.9 bar)



13 HP PORTABLE PUMP



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, control panel

DIMENSIONS & WEIGHT

- 27"L x 21"W x 23"H, 145 lbs. (66 kg)

APPLICATIONS

- Light duty brush truck

FEATURES

- 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 - 1½" NPT or 1 - 2½" NPT discharge

OPTIONS

- Adapters, gauge, battery and caps

PERFORMANCE

120 gpm (454 L/M) @ 80 psi (5.5 bar)

100 gpm (378 L/M) @ 110 psi (7.6 bar)

20 gpm (76 L/M) @ 185 psi (12.8 bar)



13 HP PORTABLE PUMP

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, deluxe control panel

DIMENSIONS & WEIGHT

- 27"L x 21"W x 23"H, 145 lbs. (66 kg)

APPLICATIONS

- Light duty brush truck, booster tank fill, transfer and supply

FEATURES

- 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
- 2½" NPT discharge

OPTIONS

- Adapters, gauge, battery and caps, loose fuel tank

PERFORMANCE

300 gpm (1135 L/M) @ 15 psi (1 bar)

150 gpm (567 L/M) @ 75 psi (5.8 bar)

80 gpm (302 L/M) @ 100 psi (6.9 bar)



18 HP PORTABLE PUMP



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, deluxe control panel

DIMENSIONS & WEIGHT

- 27"L x 21"W x 25"H, 145 lbs. (66 kg)

APPLICATIONS

- Booster reel, wildland/attack fire suppression

FEATURES

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

OPTIONS

- Adapters, gauge, battery and caps

PERFORMANCE

60 gpm (227 L/M) @ 230 psi (15.9 bar)
40 gpm (151 L/M) @ 315 psi (21.7 bar)
20 gpm (76 L/M) @ 360 psi (24.8 bar)



TRADITIONS AND INNOVATIONS SINCE 1908

FAMILY BUSINESS

WE'VE BEEN WORKING TOGETHER AS A FAMILY BUSINESS FOR FOUR GENERATIONS WITH ONE MISSION: TO PASSIONATELY SERVE THE WORLD'S FIRST RESPONDERS BY PROVIDING HIGH QUALITY, SAFE AND INNOVATIVE PRODUCTS WITH UNMATCHED COMMITMENT AND SERVICE. WE'RE TEAM DARLEY. WHAT CAN WE DO FOR YOU?



18 HP PORTABLE PUMP



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 & WEIGHT

- 27" L x 21" W x 25" H, 145 lbs. (66 kg)

APPLICATIONS

- Booster reel, multiple hand lines, wildland/attack fire suppression

FEATURES

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

OPTIONS

- Adapters, gauge, battery and caps, deluxe control panel

MEETS ISO CLASS 9
PERFORMANCE RATINGS



PERFORMANCE

120 gpm (454 L/M) @ 130 psi (9.0 bar)
100 gpm (757 L/M) @ 170 psi (11.7 bar)
50 gpm (189 L/M) @ 250 psi (17.2 bar)

18 HP PORTABLE PUMP

2BE 18V

MEDIUM PRESSURE, HIGH VOLUME, DIRECT DRIVE, ENGINE MOUNTED

ENGINE

- Briggs & Stratton Vanguard: 4 cycle, 18 HP, V-twin, OHV, replaceable oil filter, 34.78 cu. in. displacement, 12 volt starter, recoil rope start, 16 amp regulated alternator, 8.35 qt. mounted tank standard

DIMENSIONS & WEIGHT

- 27" L x 21" W x 25" H, 145 lbs. (66 kg)

APPLICATIONS

- Booster reel, multiple hand lines, transfer and supply, wildland/attack fire suppression

FEATURES

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 1/2" NPT discharges

OPTIONS

- Adapters, gauge, battery and caps, deluxe control panel, 3 gal. remote mount fuel tank, shipped loose

PERFORMANCE

375 gpm (1420 L/M) @ 25 psi (1.7 bar)
300 gpm (1136 L/M) @ 45 psi (3.1 bar)
100 gpm (379 L/M) @ 140 psi (9.7 bar)

IDEAL FOR
SKID UNITS



18 HP PORTABLE PUMP



2BE 18VX BASE MODEL

MEDIUM PRESSURE, HIGH VOLUME, DIRECT DRIVE, ENGINE MOUNTED

ENGINE

- Briggs & Stratton Vanguard: 4 cycle, 18 HP, V-twin, OHV, replaceable oil filter, 3 gal. remote mount fuel tank (shipped loose), 34.78 cu. in. displacement, 12 volt starter, recoil rope start, 16 amp regulated alternator

DIMENSIONS & WEIGHT

- 27" L x 21" W x 25" H, 140 lbs. (64 kg)

APPLICATIONS

- Booster reel, multiple hand lines, transfer and supply, wildland/attack fire suppression

FEATURES

- Bronze impeller and seal ring
- Stainless steel impeller shaft
- Mechanical seal
- Ball bearing construction
- Adjustable throttle
- 3" NPT suction
- Quad-ring seal, 3-1/2" square, 4-bolt bare flange discharge

OPTIONS

- Adapters, gauge, battery and caps, primer, discharge options

PERFORMANCE

375 gpm (1419 L/M) @ 25 psi (1.7 bar)
300 gpm (1136 L/M) @ 45 psi (3.1 bar)
100 gpm (378 L/M) @ 140 psi (9.7 bar)

IDEAL FOR
SKID UNITS



18 HP PORTABLE PUMP

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 & WEIGHT

- 27" L x 21" W x 25" H, 215 lbs. (98 kg)

APPLICATIONS

- Booster reel, transfer and supply

FEATURES

Assembly #1

- 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

Assembly #2

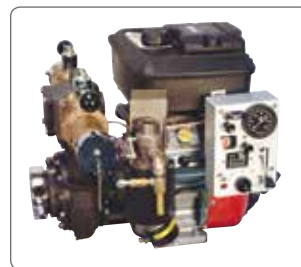
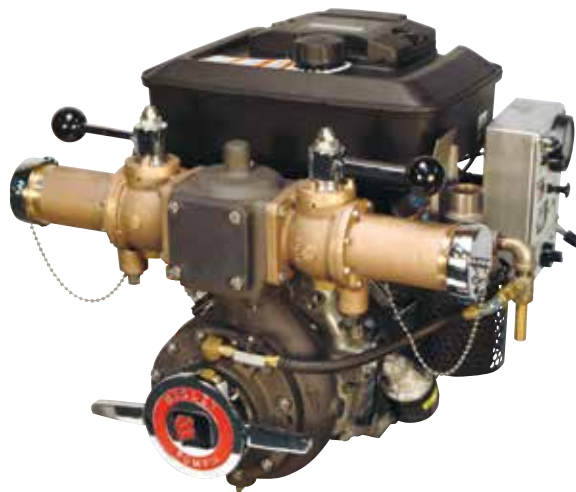
- 4" NH suction and screen
- 1-2 1/2" and 2-1 1/2" NPT discharge head with check valve

Assembly #3

- Built-in discharge check valve
- 4" NH suction and screen
- 2-2 1/2" NH discharges, 1/4 turn, ball, self-locking, bronze valves

OPTIONS

- Adapters, gauge, battery and caps



PERFORMANCE

520 gpm (1968 L/M) @ 15 psi (1.0 bar)
300 gpm (1135 L/M) @ 55 psi (3.7 bar)
100 gpm (378 L/M) @ 70 psi (4.7 bar)

21 HP PORTABLE PUMP



1-1/2AGE 21H

HIGH PRESSURE, LOW VOLUME, GEAR DRIVEN, ENGINE MOUNTED

ENGINE

- Honda GX 630: 4 cycle, 21 hp, V-twin, OHV, 6 gal. fuel tank, replaceable oil filter, 38.5 cu. in. displacement, 12 volt starter, 20 amp regulated alternator, hose and adapter

DIMENSIONS & WEIGHT

- 24" L x 24" W x 23" H, 145 lbs. (66 kg)

APPLICATIONS

- Booster reel, multiple hand lines, wildland/attack fire suppression

FEATURES

- Aluminum alloy casing and discharge valve
- 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
- Guzzler hand primer
- 2" NPT suction
- 2-1/2" NPT or 1-2 1/2" NPT discharge

OPTIONS

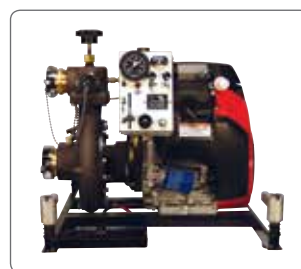
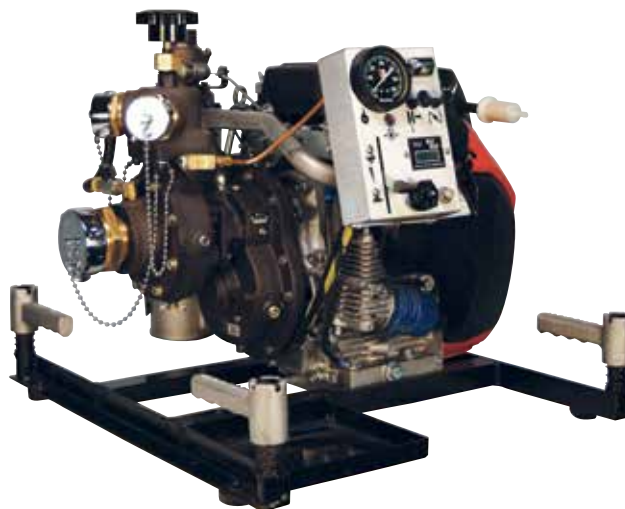
- Adapters, gauge, battery and caps, Smartstart™

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)



PORTABLE - GASOLINE | 1.800.323.0244 | DARLEY.COM/PUMPS

21 HP PORTABLE PUMP

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 & WEIGHT

- 24" L x 27" W x 22" H, 190 lbs. (86 kg)

APPLICATIONS

- Booster reel, multiple hand lines, wildland/attack fire suppression

FEATURES

- 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
- Guzzler hand primer
- 3" NPT suction
- 1-2 1/2" NPT and 2-1 1/2" NPT or 1-2 1/2" NPT discharge

OPTIONS

- 2BE 21H marine pump also available
- Dual electronic controls
- Smartstart™

MARINE VERSION
AVAILABLE SEE PAGE 85

Shown with Smartstart™

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)

23 HP PORTABLE PUMP

1-1/2AGE 23V

HIGH PRESSURE, MEDIUM VOLUME, GEAR DRIVEN, ENGINE MOUNTED

ENGINE

- Briggs & Stratton Vanguard: 4 cycle, 23 hp, V-twin, OHV, 6 gal. fuel tank, replaceable oil filter, 12 volt starter, 16 amp regulated alternator, recoil rope start back-up, hose and adapter

DIMENSIONS & WEIGHT

- 24" L x 21" W x 24" H, 180 lbs. (82 kg)

APPLICATIONS

- Multiple hand lines, wildland/attack fire suppression

FEATURES

- 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
- Heat treated alloy steel helical gears
- Built-in discharge check valve
- Adjustable discharge valve
- Exhaust primer
- 2" NPT suction
- 2-1/2" NPT discharge

OPTIONS

- Adapters, gauge, battery and caps, control panel, Smartstart™

PERFORMANCE

120 gpm (454 L/M) @ 145 psi (10 bar)
50 gpm (189 L/M) @ 255 psi (17.6 bar)
20 gpm (76 L/M) @ 265 psi (18.2 bar)

Optional High Pressure - PRESSURES UP TO 410 gpm

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)



AVAILABLE WITH HIGH PRESSURE IMPELLER

23 HP PORTABLE PUMP

2-1/2AGE 23V

HIGH PRESSURE, HIGH VOLUME, GEAR DRIVEN, ENGINE MOUNTED



ENGINE

- Briggs & Stratton Vanguard: 4 cycle, 23 hp, V-twin, OHV, 6 gal. fuel tank, replaceable oil filter, 12 volt starter, 16 amp regulated alternator, recoil rope start back-up

DIMENSIONS & WEIGHT

- 24" L x 21" W x 24" H, 190 lbs. (86 kg)

APPLICATIONS

- Booster reel, multiple hand lines, wildland/attack fire suppression

FEATURES

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

OPTIONS

- Adapters, gauge, battery and caps, control panel, Smartstart™

PERFORMANCE

290 gpm (1097 L/M) @ 45 psi (3.1 bar)
100 gpm (378 L/M) @ 135 psi (9.3 bar)
50 gpm (189 L/M) @ 175 psi (12.0 bar)



23 HP PORTABLE PUMP



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, control panel

DIMENSIONS & WEIGHT

- 24" L x 21" W x 24" H, 195 lbs. (89 kg)

APPLICATIONS

- Booster tank fill, multiple hand lines, wildland/attack fire suppression

FEATURES

- 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
- 2-1/2" NPT and 1-2 1/2" NPT discharges

OPTIONS

- Adapters, gauge, battery and caps, Smartstart™

PERFORMANCE

390 gpm (1476 L/M) @ 30 psi (2.1 bar)

200 gpm (757 L/M) @ 110 psi (7.6 bar)

100 gpm (378 L/M) @ 140 psi (9.7 bar)



23 HP PORTABLE PUMP

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 cu. in. displacement, 12 volt starter, recoil rope start back-up, 16 amp regulated alternator

DIMENSIONS & WEIGHT

- 24" L x 21" W x 24" H, 220 lbs. (100 kg)

APPLICATIONS

- Booster tank fill, transfer and supply

FEATURES

Assembly #1

- Aluminum alloy casing
- Bronze impeller and seal ring
- Stainless steel impeller shaft
- 4" NPT suction
- 3" NPT discharge

Assembly #2

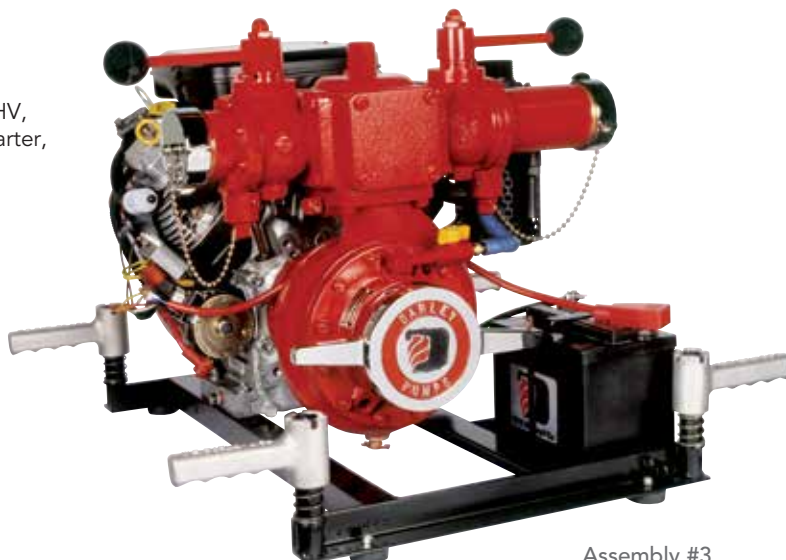
- 4" NH suction and screen
- 1-2 1/2" and 2-1 1/2" NPT discharge head with check valve

Assembly #3

- Built-in discharge check valve
- 4" NH suction and screen
- 2-2 1/2" NH discharges, 1/4 turn, ball, self-locking, all bronze valves

OPTIONS

- Adapters, gauge, battery and caps, control panel



Assembly #3

PERFORMANCE

535 gpm (2025 L/M) @ 20 psi (1.4 bar)

300 gpm (1136 L/M) @ 60 psi (4.1 bar)

100 gpm (378 L/M) @ 70 psi (4.8 bar)

35 HP PORTABLE PUMP

2-1/2AGE 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 & WEIGHT

- 28"L x 27"W x 31"H, 205 lbs. (93 kg)

APPLICATIONS

- Booster reel, multiple hand lines, wildland/attack fire suppression

FEATURES

- 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
- Control panel: Mounted with engine controls and pressure gauge (also available for remote mounting)
- 2½" NPT suction inlet
- 2-1½" NPT and 1-2½" NPT discharges

OPTIONS

- Adapters, gauge, battery and caps

PERFORMANCE

- 300 gpm (1135 L/M) @ 100 psi (6.8 bar)
- 200 gpm (757 L/M) @ 150 psi (10.3 bar)
- 50 gpm (189 L/M) @ 265 psi (18.2 bar)



35 HP PORTABLE PUMP

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 & WEIGHT

- 29.5"L x 27"W x 31"H, 330 lbs. (150 kg)

APPLICATIONS

- Booster reel, multiple hand lines, wildland/attack fire suppression

FEATURES

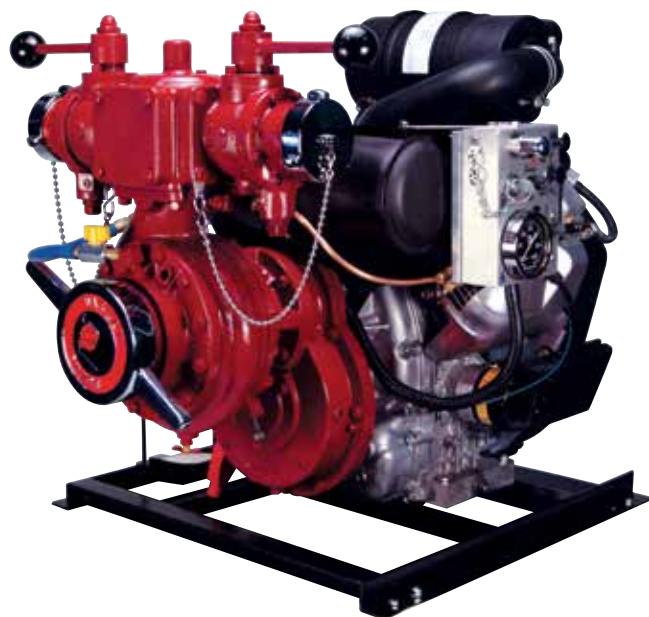
- Hard anodized aluminum alloy casing, discharge head, gear case and engine adapter
- Bronze impeller and wear rings
- Stainless steel impeller shaft
- Mechanical seal
- Helical gears
- Discharge check valve and adjustable discharge valve
- Sulfuric anodized aluminum alloy gear case and engine adapter
- Throttle and exhaust primer
- Control panel: Mounted with engine controls and pressure gauge
- 4" NH suction and screen
- 2-2½" NH discharges, ¼ turn, ball, self-locking, bronze valves

OPTIONS

- Adapters, gauge, battery and caps

PERFORMANCE

- 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)



2-1/2AGE 37V (EFI)

MEDIUM PRESSURE, HIGH VOLUME,
GEAR DRIVEN, ENGINE MOUNTED

ENGINE

- Briggs & Stratton: 37 HP, V-Twin, OHV, EFI 4 cycle, air cooled gas engine, electric start, flywheel alternator, fuel and oil pump filters

DIMENSIONS & WEIGHT

- 28" L x 27" W x 31" H, 217 lbs. (98 kg)

APPLICATIONS

- Booster reel, multiple hand lines, wildland/attack fire suppression

FEATURES

- Hard anodized aluminum alloy casing and discharge head
- 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
- Exhaust primer
- Control Panel: Mounted with engine controls and pressure gauge (also available for remote mounting)
- 2 1/2" NPT suction inlet
- 2-1 1/2" NPT and 1-2 1/2" NPT discharges

OPTIONS

- Adapters, gauge, battery and caps

PERFORMANCE

300 gpm (1135 L/M) @ 100 psi (6.8 bar)

200 gpm (757 L/M) @ 150 psi (10.3 bar)

50 gpm (189 L/M) @ 280 psi (19.3 bar)

25 gpm (95 L/M) @ 310 psi (21.4 bar)



TRADITIONS AND INNOVATIONS SINCE 1908

DARLEY CHROME CAPS

DARLEY CHROME CAPS AND CHAINS ARE GREAT ACCESSORIES FOR ANY DARLEY PORTABLE AND ENGINE DRIVEN PUMP. CAPS PROTECT THREADS AND ENHANCE THE LOOK OF ANY PUMP. CAPS AND CHAINS ARE AVAILABLE IN ALL STANDARD SIZES AND LIKE OUR PUMPS, ARE PROUDLY MADE IN THE USA.



See Page 92 For More Info

64 HP PORTABLE PUMP



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

DIMENSIONS & WEIGHT

- 34"L x 30"W x 26"H, 225 lbs. (102 kg)

APPLICATIONS

- Booster reel, booster tank fill, multiple hand lines, wildland/attack fire suppression

FEATURES

- 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
- 2-1/4 turn self-locking 2 1/2" NH discharge ball valves with caps

OPTIONS

- Adapters, gauge, battery and caps, wheels, marinization

MARINE VERSION

AVAILABLE SEE PAGE 86



PERFORMANCE

575 gpm (2176 L/M) @ 100 psi (6.9 bar)
320 gpm (1211 L/M) @ 200 psi (13.8 bar)
165 gpm (625 L/M) @ 250 psi (17.2 bar)

64 HP PORTABLE PUMP

HE 64RS "HERCULES"

ULTRA HIGH VOLUME PERFORMANCE SKID MOUNT PUMP

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

DIMENSIONS & WEIGHT

- 34"L x 30"W x 26"H, 215 lbs. (98 kg)

APPLICATIONS

- Booster reel, booster tank fill, multiple hand lines, wildland/attack fire suppression

FEATURES

- 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
- Control panel with governor, ignition switch and light, starting switch and compound
- Pressure gauge
- Loss of prime shutdown
- Vernier throttle
- 4" NH suction intake with screen
- 3" NPT discharge
- Belt driven rotary vane primer

OPTIONS

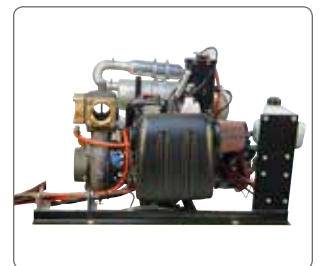
- Adapters, gauge, battery and caps, marinization

PERFORMANCE

575 gpm (2176 L/M) @ 100 psi (6.9 bar)
320 gpm (1211 L/M) @ 200 psi (13.8 bar)
165 gpm (625 L/M) @ 250 psi (17.2 bar)

MARINE VERSION

AVAILABLE SEE PAGE 86

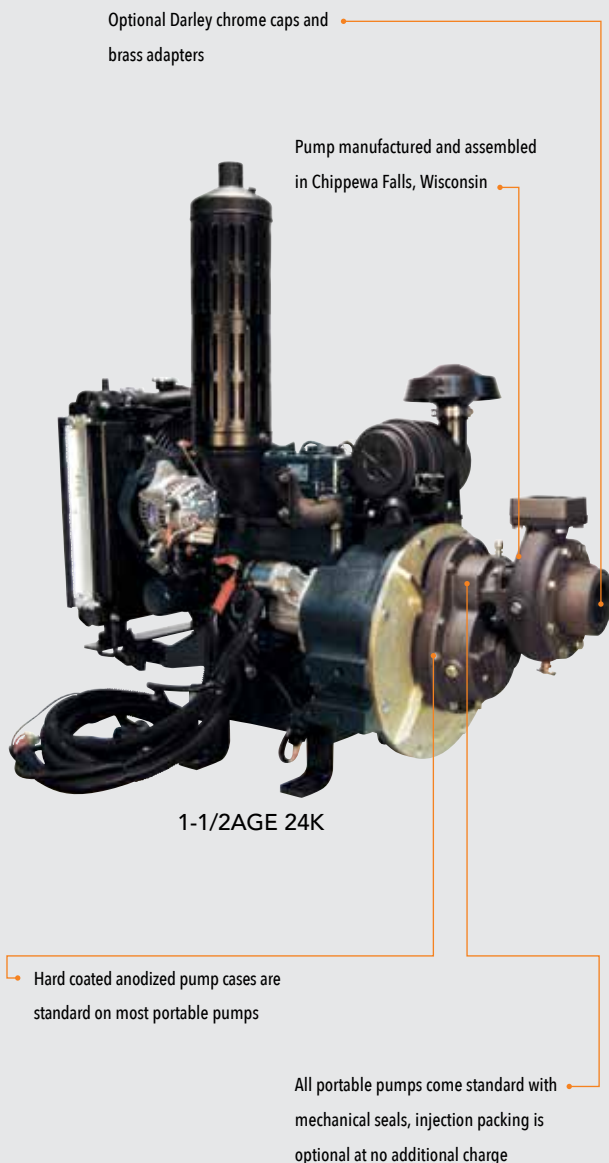


DIESEL PORTABLE PUMPS

DARLEY DIESEL PORTABLE PUMP MODELS ARE AVAILABLE WITH A WIDE VARIETY OF ENGINES FROM YANMAR, KUBOTA, CUMMINS, JOHN DEERE AND DEUTZ.



FEATURES THAT SET DARLEY PORTABLES APART



1-1/2AGE 24K

ADDITIONAL FEATURES

- Loss of water/low oil pressure shut-downs
- Wide variety of control panels available including pressure gauges, wireless controls, remote priming, start button, kill switch and light

SECTION INDEX

10 HP PORTABLE DIESEL PUMPS	20 - 21
24 HP PORTABLE DIESEL PUMPS	22 - 23
39 HP PORTABLE DIESEL PUMPS	23 - 24
42 HP PORTABLE DIESEL PUMPS	24 - 25
57 HP PORTABLE DIESEL PUMPS	26
59 HP PORTABLE DIESEL PUMPS	26

PUMP CATEGORIES

AGE PUMPS

The AGE Series is our high-pressure line of pumps. The 1-1/4 AGE pumps are our highest pressure portables, 1-1/2 AGE is our most popular pump offering high pressures with medium flows, and the 2-1/2 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. The gear driven pump is designed for Wildland and Urban Interface performance demands.

10 HP DIESEL PORTABLE PUMP



1-1/4AGE 10YD

HIGH PRESSURE, LOW VOLUME, GEAR DRIVEN,
ENGINE MOUNTED

ENGINE

- Yanmar Diesel: 4 cycle, 10 HP, 1 cylinder, recoil rope start back-up, optional 12 volt electric start and alternator

DIMENSIONS & WEIGHT

- 24" L x 24" W x 23" H, 163 lbs. (74 kg)

APPLICATIONS

- Booster reel, light duty brush truck

FEATURES

- 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
- Guzzler hand primer
- 1 1/2" NPT suction
- 2-1 1/2" NPT discharges

PERFORMANCE

- 55 gpm (208 L/M) @ 135 psi (9.3 bar)
- 40 gpm (151 L/M) @ 185 psi (12.8 bar)
- 20 gpm (76 L/M) @ 265 psi (18.3 bar)



10 HP DIESEL PORTABLE PUMP

1-1/2AGE 10YD

MEDIUM PRESSURE, MEDIUM VOLUME, GEAR DRIVEN,
ENGINE MOUNTED

ENGINE

- Yanmar Diesel: 4 cycle, 10 HP, 1 cylinder, recoil rope start back-up, optional 12 volt electric start and alternator

DIMENSIONS & WEIGHT

- 24" L x 21 1/2" W x 24 1/2" H, 175 lbs. (80 kg)

APPLICATIONS

- Booster reel, light duty brush truck

FEATURES

- 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
- Guzzler hand primer
- 2" NPT suction
- 2-1 1/2" NPT discharges

PERFORMANCE

- 120 gpm (454 L/M) @ 75 psi (5.7 bar)
- 75 gpm (284 L/M) @ 125 psi (8.6 bar)
- 20 gpm (76 L/M) @ 145 psi (10.0 bar)



Shown With Optional
Wraparound Frame

10 HP DIESEL PORTABLE PUMP



2BE 10YDN (U.S. NAVY P100)

MEDIUM PRESSURE, HIGH VOLUME, ENGINE MOUNTED

NSN

- 3H-4320-01-387-2869

ENGINE

- 2BE10YDNL100: 4 cycle, 10 HP, 1 cylinder, recoil rope start back-up, optional 12 volt electric start and alternator

DIMENSIONS & WEIGHT

- 24"L x 24"W x 23"H, 163 lbs. (74 kg)

MARINE USE

- Firefighting, dewatering

FEATURES

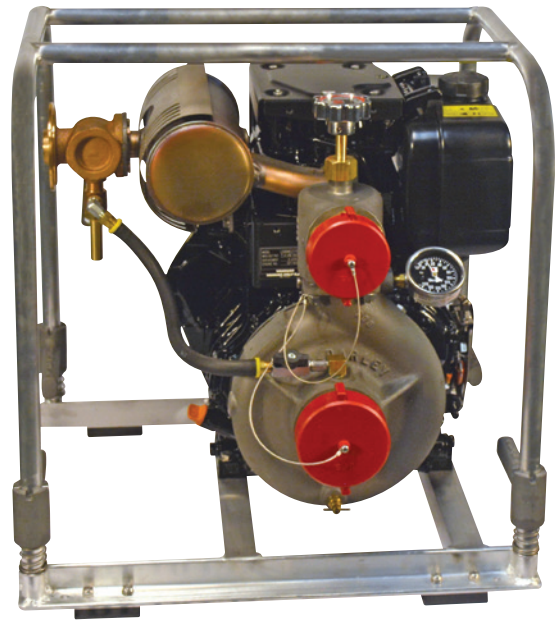
- Bronze or hard anodized pump
- 316 stainless shaft and fittings
- High performance ceramic coating
- Imron painted engine
- Anodized aluminum alloy casing
- Discharge head
- Engine adapter
- Bronze impeller and wear rings
- Stainless steel impeller shaft
- Shredded plastic packing
- Discharge check valve
- Adjustable discharge valve
- Throttle
- Roll cage
- Pressure gauge
- Exhaust primer
- 3" NST suction with cap
- 2½" NST discharge with cap
- 2"x10' engine exhaust hose

PERFORMANCE

250 gpm (946 L/M) @ 20 psi (1.4 bar)

180 gpm (681 L/M) @ 50 psi (4.1 bar)

95 gpm (359 L/M) @ 90 psi (6.2 bar)



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

UNIQUE FEATURES

- OPERATES ON DIESEL OR JET FUEL
- ONE-PULL START, SELF-PRIMING TO 20'
- PASSED RIGOROUS NAVY LAB TESTING



The Darley P100 was used during the USS Cole Disaster

24 HP DIESEL PORTABLE PUMP

1-1/2AGE 24K

HIGH PRESSURE, LOW VOLUME, GEAR DRIVEN, ENGINE MOUNTED

ENGINE

- Kubota D902 Diesel: 24 HP, liquid cooled, 12 volt starter, 40 amp. alternator, fuel and oil pump filters

DIMENSIONS & WEIGHT

- 36"L x 22"W x 26"H, 376 lbs. (170 kg)

APPLICATIONS

- Booster reel, multiple hand lines, transfer and supply, wildland/attack fire suppression

FEATURES

- 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 1-2/2" NPT discharges
- Skid base

OPTIONS

- Dual panels, electric and manual throttles, rotary vane primer

PERFORMANCE

2.70 ratio, Standard Impeller

20 gpm (76 L/M) @ 310 psi (21.4 bar)

140 gpm (530 L/M) @ 145 psi (10.0 bar)

180 gpm (681 L/M) @ 80 psi (5.5 bar)

3.17 Ratio, High Pressure Impeller

25 gpm (95 L/M) @ 375 psi (25.9 bar)

75 gpm (284 L/M) @ 245 psi (16.9 bar)

120 gpm (454 L/M) @ 150 psi (10.3 bar)



24 HP DIESEL PORTABLE PUMP

2-1/2AGE 24K

MEDIUM PRESSURE, MEDIUM VOLUME, GEAR DRIVEN, ENGINE MOUNTED

ENGINE

- Kubota D902 Diesel: 24 HP, liquid cooled, 12 volt starter, 40 amp alternator, fuel and oil pump filters

DIMENSIONS & WEIGHT

- 36"L x 22"W x 26"H, 376 lbs. (170 kg)

APPLICATIONS

- Booster reel, multiple hand lines, transfer and supply, wildland/attack fire suppression

FEATURES

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

OPTIONS

- 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 PUMP



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, fuel and oil pump filters

DIMENSIONS & WEIGHT

- 35"L x 23.3"W x 26.3"H (40" w/exhaust), 386 lbs. (175 kg)

APPLICATIONS

- Booster reel, multiple hand lines, transfer and supply, wildland/attack fire suppression

FEATURES

- 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
- 3" NPT suction
- 1-2 $\frac{1}{2}$ " NPT and 2-1 $\frac{1}{2}$ " NPT discharge or 1-2 $\frac{1}{2}$ " NPT

PERFORMANCE

390 gpm (1476 L/M) @ 20 psi (1.4 bar)

300 gpm (1135 L/M) @ 80 psi (5.5 bar)

200 gpm (757 L/M) @ 115 psi (7.9 bar)



PORTABLE - DIESEL | 1.800.323.0244 | DARLEY.COM/PUMPS

39 HP DIESEL PUMP

1-1/2AGE 39K

HIGH PRESSURE, LOW 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 & WEIGHT

- 41"L x 24"W x 42 $\frac{1}{2}$ "H, 523 lbs. (237 kg)

APPLICATIONS

- Booster reel/booster tank fill, multiple hand lines, wildland/attack fire suppression

FEATURES

- 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 $\frac{1}{2}$ " or 1-2 $\frac{1}{2}$ " NPT discharge

OPTIONS

- Dual panels, electric and manual throttles, rotary vane primer

PERFORMANCE

160 gpm (605 L/M) @ 245 psi (16.9 bar)

80 gpm (303 L/M) @ 310 psi (21.4 bar)

25 gpm (94 L/M) @ 300 psi (20.7 bar)

AVAILABLE WITH
HIGH VOLUME



39 HP DIESEL PUMP



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 & WEIGHT

- 41" L x 24" W x 42 1/2" H, 528 lbs. (240 kg)

APPLICATIONS

- Booster reel/booster tank fill, multiple hand lines, wildland/attack fire suppression

FEATURES

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

OPTIONS

- Dual panels, electric and manual throttles, rotary vane primer

PERFORMANCE

320 gpm (1211 L/M) @ 100 psi (6.8 bar)
150 gpm (567 L/M) @ 170 psi (11.7 bar)
50 gpm (189 L/M) @ 180 psi (12.4 bar)



42 HP DIESEL PUMP

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 & WEIGHT

- 41" L x 24" W x 42 1/2" H, 523 lbs. (237 kg)

APPLICATIONS

- Booster reel/booster tank fill, multiple hand lines, wildland/attack fire suppression

FEATURES

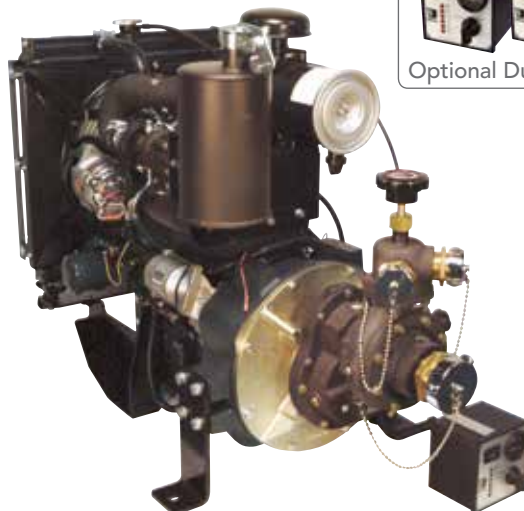
- Aluminum alloy casing and discharge valve
- Sulfuric anodized aluminum alloy gear case
- Bronze impeller and wear rings
- Stainless steel impeller shaft
- Heat treated alloy steel helical gears
- Ball bearing construction
- Adjustable throttle
- 2" NPT suction
- 2-1 1/2" or 1-2 1/2" NPT discharge

OPTIONS

- Dual panels, electric and manual throttles, rotary vane primer

PERFORMANCE

115 gpm (435 L/M) @ 230 psi (15.8 bar)
75 gpm (283 L/M) @ 285 psi (19.6 bar)
25 gpm (94 L/M) @ 295 psi (20.3 bar)



42 HP DIESEL PUMP

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 & WEIGHT

- 41" L x 24" W x 42 1/2" H, 528 lbs. (240 kg)

APPLICATIONS

- Booster reel/booster tank fill, multiple hand lines, wildland/attack fire suppression

FEATURES

- 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" NPT and 2-1 1/2" NPT discharge outlets

OPTIONS

- Dual panels, electric and manual throttles, rotary vane primer

PERFORMANCE

275 gpm (1040 L/M) @ 160 psi (11 bar)

175 gpm (662 L/M) @ 215 psi (14.8 bar)

75 gpm (283 L/M) @ 230 psi (15.8 bar)

42 HP DIESEL PUMP

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 & WEIGHT

- 37" L x 24" W x 31" H, 490 lbs. (222 kg)

APPLICATIONS

- Dewatering, booster tank fill

FEATURES

Assembly #1

- Cast iron casing
- Bronze impeller and seal ring
- 4" NPT suction
- 3" NPT discharge

Assembly #2

- 4" NH suction and screen
- 1-2 1/2" and 2-1 1/2" NPT discharge head with check valve

Assembly #3

- 4" NH suction and screen
- 2-2 1/2" NH discharges, 1/4 turn, ball, self-locking, all bronze valves
- Control panel for remote mounting with gauge, throttle control, engine warning lights and start/stop

PERFORMANCE

600 gpm (2271 L/M) @ 40 psi (2.7 bar)

300 gpm (1135 L/M) @ 135 psi (9.3 bar)

250 gpm (946 L/M) @ 150 psi (10.3 bar)



57 HP DIESEL PUMP



2-1/2AGE 250DTZ

SINGLE STAGE, ENGINE DRIVEN, CENTRIFUGAL PUMP

ENGINE

- Deutz D914L03 Diesel: 57 HP, air-cooled, 12 volt, electric starter, alternator

DIMENSIONS & WEIGHT

- 36.36" L x 27.4" W x 31.3" H, 925 lbs. (419.5 kg)

APPLICATIONS

- Meets 250 gpm @ 150 psi for Type 2 Structure engines
- Meets 150 gpm @ 250 psi for Type 3 Wildland engines

FEATURES

- 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
- Throttle
- Muffler
- Start/stop key switch
- 2 1/2" NPT suction
- 2 1/2" NPT flanged discharge

PERFORMANCE

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 (17.2 bar)

NFPA RATED
250 GPM



OPTIONS

2-1/2AGE 250CM

- 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)

2-1/2AGE 250JD

- John Deere 4024HF295 Diesel: 61 HP, 4 cycle, liquid cooled, 12 volt, electric starter, alternator
- 56" L x 28.6" W x 53.5" H, 825 lbs. (374.2 kg)

59 HP DIESEL PUMP

HSE 250K

SINGLE STAGE, CENTRIFUGAL, DIRECT ENGINE MOUNT

ENGINE

- Kubota V2403M Diesel - 59 HP turbo, 4 cycle, liquid cooled, mounted engine control panel

DIMENSIONS & WEIGHT

- 50" L x 22" W x 40" H (to top of air cleaner), 886 lbs. (402 kg)

APPLICATIONS

- Meets 250 gpm @ 150 psi for Type 2 Structure engines
- Meets 150 gpm @ 250 psi for Type 3 Wildland engines

FEATURES

- 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

360 gpm (1362 L/M) @ 150 psi (10.3 bar)
250 gpm (946 L/M) @ 200 psi (13.8 bar)
175 gpm (662 L/M) @ 255 psi (17.6 bar)
125 gpm (473 L/M) @ 294 psi (20 bar)

NFPA RATED
250 GPM



ENGINE DRIVEN PUMPS

DARLEY ENGINE DRIVEN PUMP MODELS ARE AVAILABLE WITH A WIDE VARIETY OF ENGINES FROM KUBOTA, CUMMINS, JOHN DEERE, DEUTZ, FORD AND GMC.



FEATURES THAT SET DARLEY PUMPS APART

Standard discharge check valve

Pump manufactured and assembled in Chippewa Falls, Wisconsin

HE500JD



Optional Darley chrome caps and brass adapters

All pumps come standard with mechanical seals, injection packing is optional

ADDITIONAL FEATURES

- Pump ratings for 250 to 3000 gpm
- Marine applications also available

SECTION INDEX

HSE 250	28
HE 500	28
JME 500	29
KSE 500, 750, 1000 DIRECT MOUNT	29
LSE 500, 750, 1000 DIRECT MOUNT	30
PSE 1000, 1250, 1500 DIRECT MOUNT	30
ZSE 2500, 3000	31
SKID & TRAILER-MOUNTED ENGINE DRIVEN	31
PUMP & ENGINE COMBINATIONS	32
ENGINE DIMENSIONS & WEIGHTS	32

PUMP CATEGORIES

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

Rated from 500, 750 and 1000 gpm @ 150 psi, the LSE pump offers plenty of capacity to flow over 1200 gpm in most applications. The LSE design includes a twisted vane and cast impeller.

PSE PUMPS

Rated for 1000-1500 gpm, 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, NFPA ratings to 3000 gpm. The ZSE has excess capacity which is available to be tapped with large engines for even higher flow ratings while maintaining firefighting pressures.



SINGLE STAGE, CENTRIFUGAL, DIRECT ENGINE MOUNTED,
HIGH PRESSURE

DIMENSIONS & WEIGHT

- 18"L x 11"W x 21"H, 135 lbs. (61 kg)

APPLICATIONS

- Fire boat, mini pumper, wildland/attack fire

FEATURES

- 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 & WEIGHT

- 18"L x 11"W x 21"H, 135 lbs. (61 kg)

APPLICATIONS

- Fire boat, mini pumper, tanker, wildland/attack fire

FEATURES

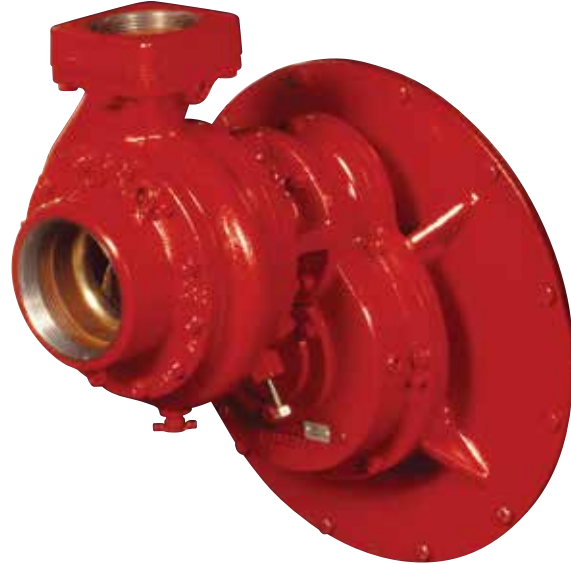
- Vertically split, cast iron bronze fitted pump casing
- Impellers opposed design to eliminate end thrust
- Broached impeller (not keyed) for longer life
- Oversized, deep groove radial type bearings for longer life
- 10 tooth splined shaft for durability
- 3" NPT discharge companion flange
- 4" NPT suction
- SAE 3 or 4 adapter to engine bell housing

OPTIONS

- Bronze alloy pump assembly

PERFORMANCE

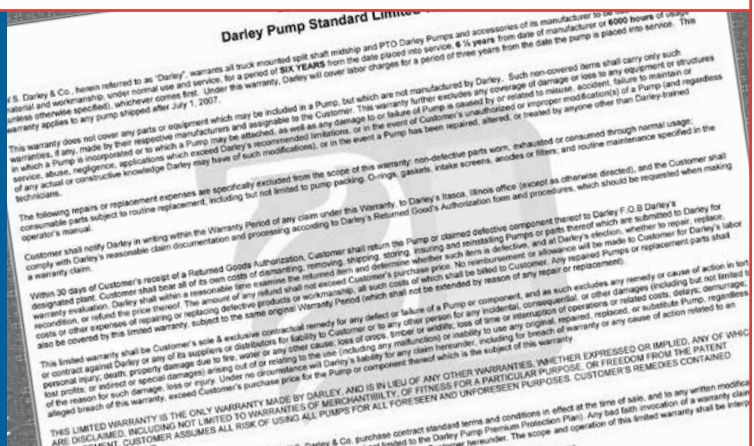
500 gpm (1893 L/M) @ 150 psi (10.3 bar)
350 gpm (1325 L/M) @ 200 psi (13.8 bar)
250 gpm (946 L/M) @ 250 psi (17.2 bar)



TRADITIONS AND INNOVATIONS SINCE 1908

LONGEST WARRANTY

DARLEY OFFERS THE LONGEST AND MOST
COMPREHENSIVE WARRANTY IN THE INDUSTRY. A
SIX YEAR MANUFACTURER'S WARRANTY INCLUDING
THREE YEARS OF PARTS AND LABOR COVERAGE
AT NO CHARGE ON OUR MIDSHIP AND PTO PUMPS.
WE'VE GOT YOUR BACK.



TWO STAGE, SERIES/PARALLEL, CENTRIFUGAL,
ENGINE MOUNTED

DIMENSIONS & WEIGHT

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

APPLICATIONS

- Mini pumper, pump & roll, wildland/attack fire, 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
- 3-2 $\frac{1}{2}$ " 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 normal pressure, high pressure discharges

- 525 gpm (2000 L/M) @ 295 psi (7.0 bar)
- 100 gpm (378 L/M) @ 290 psi (20.0 bar)

**KSE 500, 700, 1000 DIRECT MOUNT**

SINGLE STAGE, CENTRIFUGAL, SINGLE SUCTION IMPELLER,
2 GEAR GEARCASE, ENGINE MOUNTED

DIMENSIONS & WEIGHT

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

APPLICATIONS

- Fire boat, mini pumper, pumper, wildland/attack fire, 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
- 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

NEW HIGH
FLOW DESIGN

DIMENSIONS & WEIGHT

- 16"L x 17"W x 24"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

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 & WEIGHT

- 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)



SINGLE STAGE, CENTRIFUGAL, SINGLE SUCTION IMPELLER,
ENGINE MOUNTED

DIMENSIONS & WEIGHT

- 24" L x 27" W x 31" H, 605 lbs. (274 kg)

APPLICATIONS

- Industrial, chemical, aerial, ARFF, fire boat

FEATURES

- Mechanical seal
- Mega transmission
- SAE #1 housing
- 6" weld discharge
- SAE 14" flywheel
- 8" weld flange suction

PERFORMANCE

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)

Using 1 - 8" or 3 - 6" suction hose

Rated at 2500 gpm for NFPA 1901 fire pump application

ZSE 3000 NFPA Fire Pump

3000 gpm (11,356 L/M) @ 100 psi (6.9 bar)

1500 gpm (5678 L/M) @ 200 psi (13.8 bar)

Using 2 - 8" or 4 - 6" suction hose

Rated at 3000 gpm for NFPA 1901 fire pump application

Non-rated flows to 3500 available at lower lifts and under certain conditions.

ZSE International Rating

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



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

- HE 500, KSE 750, ZSE 2000-3000, LSE 1000, PSE 1000-1500

APPLICATIONS

- Industrial, rural

ENGINES

- Cummins, John Deere, Deutz, GMC

TRAILERS

- Single or double axle, tongue jack, rear stabilizers, 2" ball

MOUNTINGS

- Cross-mount, skid, trailer-mounted

OPTIONS

- Custom control panels
- 12v primers
- Relief valves
- Trailers
- Gas and diesel models
- Storage containers
- Suction hose troughs with straps and foot loops
- Fuel tanks
- Suction and discharge hose with nozzles

PERFORMANCE

Ratings from 500 gpm - 3500 gpm

**LARGE VARIETY OF MARINE DRIVES
AVAILABLE FOR FIRE BOATS!**



PUMP & ENGINE COMBINATIONS

The HE, KSE, LSE, PSE & ZSE are very efficient, versatile pumps that can be adapted to almost any engine: gas or diesel, water cooled or air cooled. The performance is directly related to the HP rating of the Engine. PSE is available up to 1800 GPM for crash truck ratings. Contact Darley for additional pump/engine combinations and special performance needs.

PUMP	ENGINE	HP@RPM	SUCTION	DISCHARGE	GEAR RATIO	EPA TIER
HE500	Cummins QSB3.3	99 HP@2500	4" NPT	3" NPT	3.16	3
HE500	Deutz D914L05	97 HP@2300	4" NPT	3" NPT	3.16	3
HE500	John Deere ES3088T	115 HP@2500	4" NPT	3" NPT	3.16	3
HE500	Kubota V3600T	84.5 HP@2500	4" NPT	3" NPT	2.85	3
KSE750	Cummins QSB4.5	160 HP@2500	6" NPT/WELD	4" NPT	2.19	3
KSE750	Deutz TCD914L06	174 HP@2300	6" NPT/WELD	4" NPT	2.19	3
KSE750	John Deere ES30116W	173 HP@2400	6" NPT/WELD	4" NPT	2.19	3
LSE1000	Cummins QSB6.7	173 HP@2100	6" NPT/WELD	4" NPT	2.29	3
LSE1000	Deutz TCD2012L06 2V	197 HP@2400	6" NPT/WELD	4" NPT	2.29	3
LSE1000	John Deere 6068HF285	200 HP@2400	6" NPT/WELD	4" NPT	2.29	3
PSE1000	Cummins QSB6.7	190 HP@2100	6" NPT/WELD	4" NPT	2.83	3
PSE1000	Deutz TCD2012L06 2V	197 HP@2300	6" NPT/WELD	4" NPT	1.83	3
PSE1000	John Deere 6068HF285	200 HP@2400	6" NPT/WELD	4" NPT	1.83	3
PSE1250	Cummins QSB6.7	215 HP@2500	6" NPT/WELD	4" NPT	1.93	3
PSE1250	Deutz TCD2013L06 2V	254 HP@2300	6" NPT/WELD	4" NPT	1.83	3
PSE1250	John Deere ES30244	225 HP@2400	6" NPT/WELD	4" NPT	1.83	3
PSE1500	Cummins QSB6.7	240 HP@2500	6" NPT/WELD	4" NPT	1.74	3
PSE1500	Deutz TCD2013L06 2V	254 HP@2300	6" NPT/WELD	4" NPT	1.83	3
PSE1500	John Deere ES30432	251 HP@2200	6" NPT/WELD	4" NPT	2.04	3
ZSE3000	John Deere 6135HF485	550 HP@2100	8" WELD	6" WELD	1.58	3

Notes:

1. Engine models subject to change.
2. Standard suction and discharge flanges are shown, options available upon request.
3. Engine models subject to change without notice. Call for current prices and engine models, EPA conformance

ENGINE DIMENSIONS & WEIGHT

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 QSB6.7-173	58"L x 34"W x 67"H	1800 lbs.
Cummins QSB6.7-190	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 QSB6.7-240	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 6068HF285	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 ES30032	62"L x 30"W x 59"H	1950 lbs.
John Deere 6135HF485	62"L x 30"W x 59"H	1950 lbs.
Kubota V3600T	38"L x 26"W x 55"H	900 lbs.

FRONT/REAR MOUNTED PUMPS

DARLEY CONTINUES TO OFFER A WIDE VARIETY OF FRONT AND REAR MOUNT PUMP CONFIGURATIONS WITH ENGINES FROM CUMMINS, JOHN DEERE, DEUTZ, FORD AND GMC.



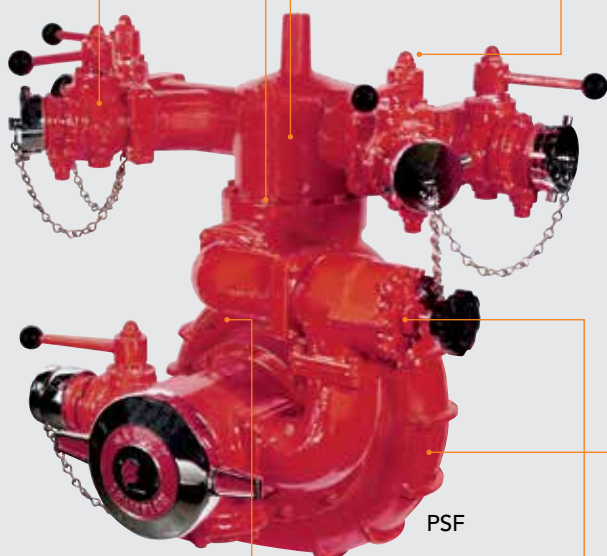
FEATURES THAT SET DARLEY PUMPS APART

Pump manufactured and assembled in Chippewa Falls, Wisconsin

316 stainless steel ball is hard wearing and corrosion resistant

Discharge check valve allows discharge gates to be open while priming, pump holds prime during intermittent drafting

Self locking discharge valves won't creep under high pressure



PSF

All front and rear mounted pumps come standard with mechanical seals, injection packing is optional at no additional charge

Mounted discharge relief valve or an optional Darley AutoControl™ governor

Heavy duty 1000 lb. electric clutch standard on all front mounted pumps

SECTION INDEX

HF 500 & HF - IC500.....	34
LSF 500, 750, 1000.....	34
PSF 1000, 1250, 1500.....	35
PSF - IC 1000, 1250, 1500.....	35
ZSF - IC 2500, 3000.....	36
HR 500.....	37
JMR 500.....	37
KSR 500, 750, 1000.....	38
KSRH 500, 750, 1000.....	38
LSR 500, 750, 1000.....	39
LSRH 500, 750, 1000.....	39
PSR 1000, 1250, 1500.....	40
PSRH 1000, 1250, 1500.....	40

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

PUMP CATEGORIES

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. 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.

ZSF-IC PUMPS

Darley's ZSF - IC is the highest flowing intra-cab pump in the market, with ratings from 2500-3000 gpm and ideal for industrial, chemical, aerial, ARFF and fire boat applications.

HF 500 & HF - IC500



SINGLE STAGE, CENTRIFUGAL, FRONT MOUNT PUMP

DIMENSIONS & WEIGHT

- 25" L x 19" W x 25" H, 235 lbs. (107 kg)

APPLICATIONS

- Mini pumper, tanker, wildland/attack fire

FEATURES

HF 500

- 2 - 2 1/2" NH, 1/4 turn, ball, discharge valves and caps
- 4" NH suction adapter, screen and cap
- 1 - 2 1/2" NPT or 3" NPT suction tap
- 1 - 2 1/2" NPT discharge tap
- Complete mounting kit
- Heavy duty 400 ft. lb. electric clutch
- Shock Control Module - prevents engaging clutch at high speeds

HF - IC500

- 4" NH adapter, screen and cap
- 1 - 2 1/2" NPT or 3" NPT suction tap
- 1 - 3" NPT discharge flange
- Complete mounting kit
- Heavy duty 400 ft. lb. electric clutch
- Shock Control Module - prevents engaging clutch at high speeds

PERFORMANCE

HF 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)

HF - IC500

- 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)



HF 500

LSF 500, 750, 1000

SINGLE STAGE, CENTRIFUGAL, FRONT MOUNT PUMP

DIMENSIONS & WEIGHT

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

APPLICATIONS

- Mini pumper, pumper, pumper tanker, rescue pumper

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)
- 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

- 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)



LSF 1000

PSF 1000, 1250, 1500

SINGLE STAGE, CENTRIFUGAL,
FRONT MOUNT PUMP

DIMENSIONS & WEIGHT

- 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

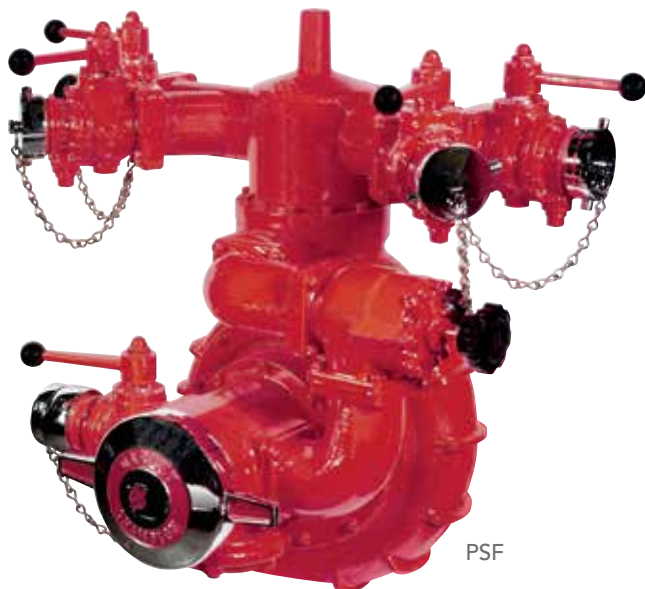
1000 gpm (3785 L/M) @ 150 psi (10.3 bar)
700 gpm (2646 L/M) @ 200 psi (13.8 bar)
500 gpm (1893 L/M) @ 250 psi (17.2 bar)

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)



PSF

PSF - IC 1000, 1250, 1500

SINGLE STAGE, INTRA-CAB MOUNTED
PUMP DRIVEN OFF FRONT CRANKSHAFT



DIMENSIONS & WEIGHT

- 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)

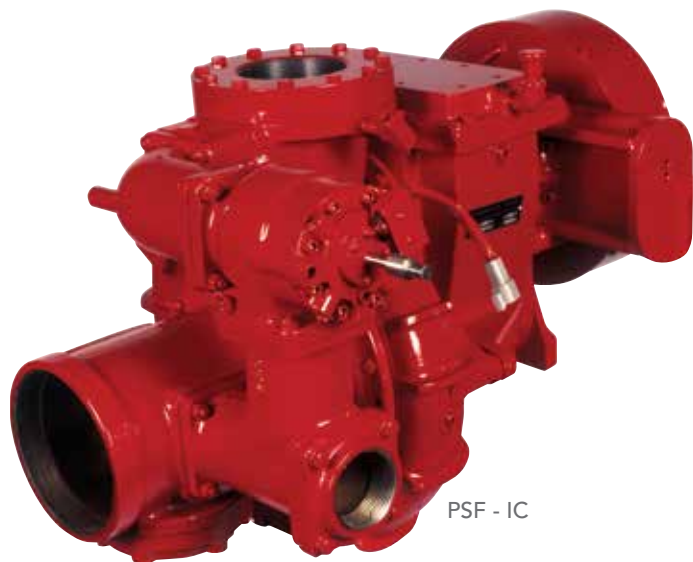
PSF - IC 1250

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)

MARINE VERSION
AVAILABLE SEE PAGE 88



PSF - IC

SINGLE STAGE, CENTRIFUGAL, INTRA-CAB,
SINGLE SUCTION IMPELLER

DIMENSIONS & WEIGHT

- 32" L x 24" W x 29" H, 605 lbs. (274 kg)

APPLICATIONS

- Industrial, chemical, aerial, ARFF, fire boat

FEATURES

- Mechanical seal
- 1550 companion flange
- Mega transmission
- 6" weld discharge
- 8" weld flange suction

PERFORMANCE

ZSF - IC 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

ZSF - IC 3000 NFPA Fire Pump

3000 gpm (11,356 L/M) @ 100 psi (6.9 bar)

1500 gpm (5678 L/M) @ 200 psi (13.8 bar)

ZSF - IC 3000 NFPA Fire Pump

3000 gpm (11,356 L/M) @ 150 psi (10.3 bar)

Rated at 3000 gpm for NFPA 1925 type 4 marine rating

**MARINE VERSION
AVAILABLE SEE PAGE 88**



TRADITIONS AND INNOVATIONS SINCE 1908

PROUDLY MADE IN USA

DARLEY MANUFACTURES QUALITY PRODUCTS RIGHT HERE IN THE USA. OUR STATE-OF-THE-ART FACILITIES IN WISCONSIN AND IOWA, UTILIZE THE MOST ADVANCED CAD SOFTWARE TO DESIGN EVERYTHING FROM SIMPLE TO SOPHISTICATED PRODUCTS. WE EMPLOY THE LATEST CNC MACHINERY AND TECHNOLOGY TO PRODUCE HIGH QUALITY COMPONENTS. DARLEY'S MACHINISTS AND ENGINEERS, UNDERGO CONTINUAL TRAINING TO MAINTAIN OUR REPUTATION FOR INNOVATION AND EXCELLENCE.



SINGLE STAGE, CENTRIFUGAL, REAR MOUNT PUMP

DIMENSIONS & WEIGHT

- 21" L x 19" W x 25" H, 225 lbs. (102 kg)

APPLICATIONS

- Mini pumper, wildland/attack fire

FEATURES

- 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, CENTRIFUGAL, REAR MOUNT PUMP

DIMENSIONS & WEIGHT

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

APPLICATIONS

- Mini pumper, wildland/attack fire

FEATURES

- 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)



KSR 500, 750, 1000

SINGLE STAGE, CENTRIFUGAL, REAR MOUNT PUMP

DIMENSIONS & WEIGHT

- 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

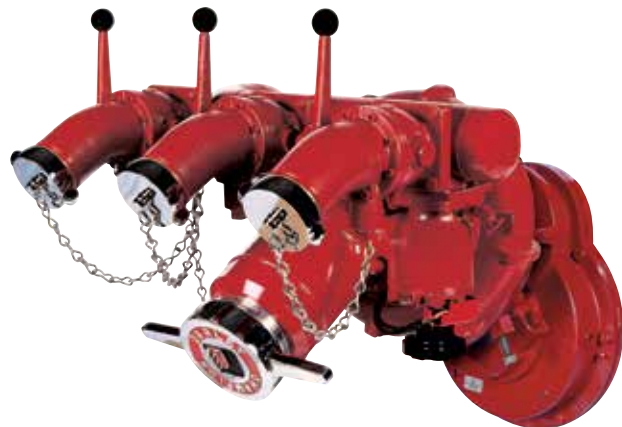
500 gpm (1893 L/M) @ 150 psi (10.3 bar)
350 gpm (1325 L/M) @ 200 psi (13.8 bar)
250 gpm (946 L/M) @ 250 psi (17.2 bar)

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)



KSRH 500, 750, 1000

SINGLE STAGE, CENTRIFUGAL, REAR MOUNT PUMP WITH INDEPENDENT SECOND STAGE



DIMENSIONS & WEIGHT

- 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

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)

KSRH 750

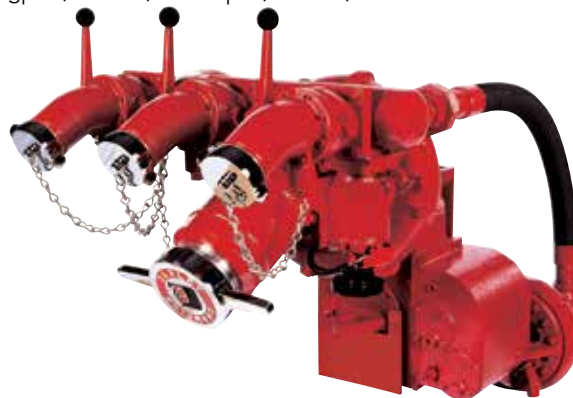
750 gpm (2839 L/M) @ 150 psi (10.3 bar)
525 gpm (1987 L/M) @ 200 psi (13.8 bar)
375 gpm (1419 L/M) @ 250 psi (17.2 bar)

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)

KSRH High Pressure

200 gpm (757 L/M) @ 400 psi (27.6 bar)
100 gpm (379 L/M) @ 500 psi (34.5 bar)



TRADITIONS AND INNOVATIONS SINCE 1908

DARLEY INTRODUCES PUMPS

DARLEY BEGAN MANUFACTURING PUMPS IN 1932, JUST AS AMERICA WAS COMING OUT OF THE GREAT DEPRESSION. COMPANY FOUNDER, WILLIAM S. DARLEY, DECIDED TO ESTABLISH HIS PUMP MANUFACTURING PLANT IN CHIPPEWA FALLS, WISCONSIN. DARLEY RECENTLY EXPANDED OPERATIONS TO JANESVILLE, IOWA.



LSR 500, 750, 1000



SINGLE STAGE, CENTRIFUGAL, PTO DRIVEN,
3 GEAR GEARCASE

DIMENSIONS & WEIGHT

- 34"H x 38"W x 26"D, 435 lbs. (197 kg)

APPLICATIONS

- Pumper, pumper tanker, rescue pumper, tanker

FEATURES

- 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

LSR 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)

LSR 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)

LSR 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)



LSR 500

FRONT/REAR MOUNTED | 1.800.323.0244 | DARLEY.COM/PUMPS

LSRH 500, 750, 1000

SINGLE STAGE, CENTRIFUGAL, REAR MOUNT PUMP
WITH INDEPENDENT SECOND STAGE

DIMENSIONS & WEIGHT

- 34"H x 38"W x 33"D, 446 lbs. (202 kg) - Assy #1

PUMP

- Single stage, centrifugal, rear mount pump
with independent second stage

FEATURES

- 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

LSRH 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)

LSRH 750

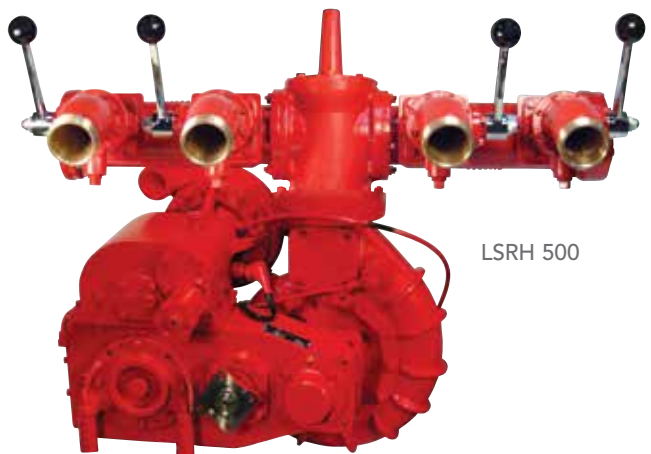
750 gpm (2839 L/M) @ 150 psi (10.3 bar)
525 gpm (1987 L/M) @ 200 psi (13.8 bar)
375 gpm (1419 L/M) @ 250 psi (17.2 bar)

LSRH 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)

LSRH High Pressure

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



LSRH 500

PSR 1000, 1250, 1500



SINGLE STAGE, CENTRIFUGAL, REAR MOUNT

DIMENSIONS & WEIGHT

- 34"H x 40"W x 27"D, 692 lbs. (314 kg)

APPLICATIONS

- Pumper, pumper tanker, 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

PSR 1000

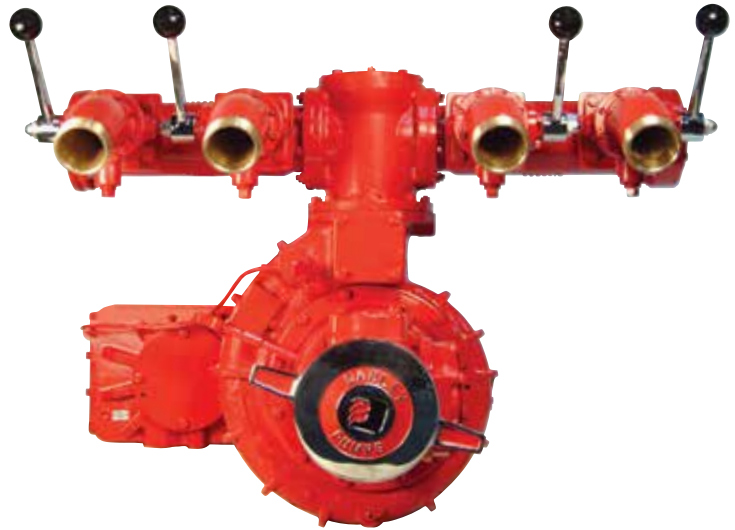
1000 gpm (3785 L/M) @ 150 psi (10.3 bar)
700 gpm (2646 L/M) @ 200 psi (13.8 bar)
500 gpm (1893 L/M) @ 250 psi (17.2 bar)

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)

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)



PSRH 1000, 1250, 1500

SINGLE STAGE, CENTRIFUGAL, REAR MOUNT PUMP
WITH INDEPENDENT SECOND STAGE

DIMENSIONS & WEIGHT

- 34"H x 40"W x 36"D, 782 lbs. (354 kg)

APPLICATIONS

- Pumper, pumper tanker, rescue pumper, tanker

FEATURES

ASSEMBLY #1

- 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

ASSEMBLY #3

- 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

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)

PSRH 1250

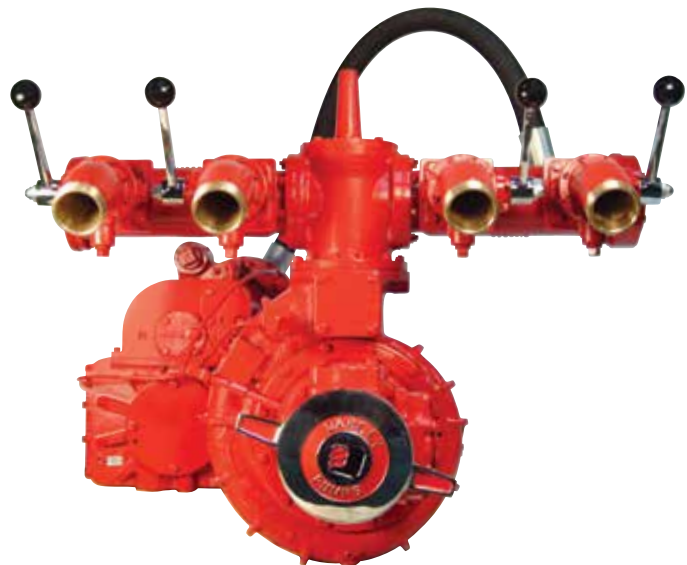
1250 gpm (4731 L/M) @ 150 psi (10.3 bar)
875 gpm (3312 L/M) @ 200 psi (13.8 bar)
625 gpm (2365 L/M) @ 250 psi (17.2 bar)

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)



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.



FEATURES THAT SET DARLEY PUMPS APART

Pump manufactured and assembled
in Chippewa Falls, Wisconsin

Flows up to 1500 gpm

Two and three gear
transmission available

PSP

Pipe thread, weld flange or victaulic
grooves available

All PTO pumps come standard with
mechanical seals, injection packing
is optional at no additional cost

Gear box can be easily rotated

Lightweight and compact design

SECTION INDEX

1 1/2AG & 2 1/2AG.....	42
1 1/2AGH 2 1/2AGH	42
1 1/2AGD 2 1/2AGD	43
HH 250, 350, 500	43
LSH 500, 750, 1000	44
H 100 BOOSTER PUMP	44
HM 250, 350, 500.....	45
HSP 250	46
JMP 500 & JMP 500 NH	46
KSP 500, 750, 1000	47
KSPAH 500, 750, 1000	47
LSP 500, 750, 1000.....	48
LSPH 500, 750, 1000	48
PSP 1000, 1250, 1500	49
PSPH 1000, 1250, 1500.....	50
PSD 1000, 1250, 1500.....	50
ZSP 2500 & 3000	51
KDM-HD-PTO	52
LDM-XHD-PTO - MAGNATRANSTM	52
ZSM-XHD-PTO - MEGATRANSTM	52

PUMP CATEGORIES

AG PUMPS

Rated up to 325 gpm @ 150 PSI, the 1-1/2AG and 2-1/2AG pumps are a compact solution for pump and roll pumper applications. The 2-1/2AG has flows up to 325 gpm. Both pumps offer pressures of over 300 psi.

HM & HSP PUMPS

Rated at 250, 350 and 500 gpm NFPA, The HM high performance compact pump 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 NFPA, 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 NFPA, KSP and LSP pumps are compact solution for pump and roll pumper applications.

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 NFPA ratings to 1500 gpm.

ZSP PUMPS

The Darley ZSP is the highest flowing PTO pump on the market with ratings from 2500-3000 gpm when supplied with ample power through a PTO or power divider.

1-1/2AG & 2-1/2AG



SINGLE STAGE, CENTRIFUGAL, PTO DRIVEN, GEAR DRIVEN

DIMENSIONS & WEIGHT

- 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

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)

**Higher pressure and flow ratings available, contact Darley with your performance needs*



1-1/2AG



2-1/2AG

1-1/2AGH & 2-1/2AGH

SINGLE STAGE, CENTRIFUGAL, HYDRAULIC DRIVEN, GEAR DRIVEN

DIMENSIONS & WEIGHT

- 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

ASK ABOUT OUR HYDRAULIC DRIVE PACKAGES



1-1/2AGH

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

DIMENSIONS & WEIGHT

- 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

- Mini pumper, tanker, wildland/attack fire

FEATURES

- Aluminum alloy casing and 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

1-1/2AGD

- 2" NPT suction
- 2" NPT flange on discharge

2-1/2AGD (Engine Rotation)

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



1-1/2AGD

PERFORMANCE

1-1/2AGD

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)

2-1/2AGD

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)

**Higher pressure and flow ratings available, contact Darley with your performance needs*

HH 250, 350, 500

SINGLE STAGE, CENTRIFUGAL, HYDRAULIC DRIVEN

DIMENSIONS & WEIGHT

- 12"L x 19"W x 14"H, 145 lbs. (66 kg)

APPLICATIONS

- Mini pumper, tanker, wildland/attack fire

FEATURES

ASSEMBLY #1

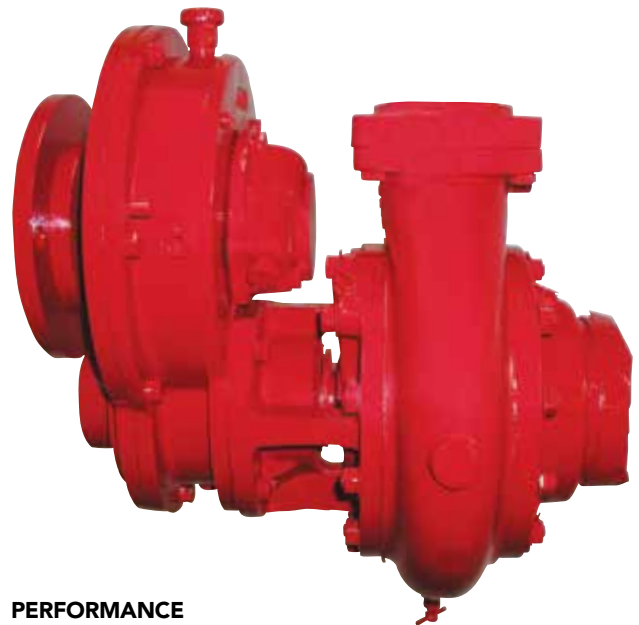
- Rotation: engine or opposite engine
- Gear ratio: 4.38 to 1 or 2.90 to 1
- Heat treated gears are standard
- Tachometer/speed counter output
- SAE "C" adapter
- 12/24-14T involute female spline
- Mounting angles
- 3" NPT suction (HH250 & HH350)
- 4" NPT suction (HH500)
- 2 1/2" NPT discharge

ASSEMBLY #2

- 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

ASSEMBLY #3

- 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"



PERFORMANCE

HH 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)

HH 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)

HH 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 500, 750, 1000



SINGLE STAGE, CENTRIFUGAL,
HYDRAULIC DRIVEN, GEAR DRIVEN

DIMENSIONS & WEIGHT

- 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)



H 100 BOOSTER PUMP

SINGLE STAGE, CENTRIFUGAL,
HIGH PRESSURE BOOSTER

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

DIMENSIONS

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

APPLICATIONS

- Pumper, wildland/attack fire

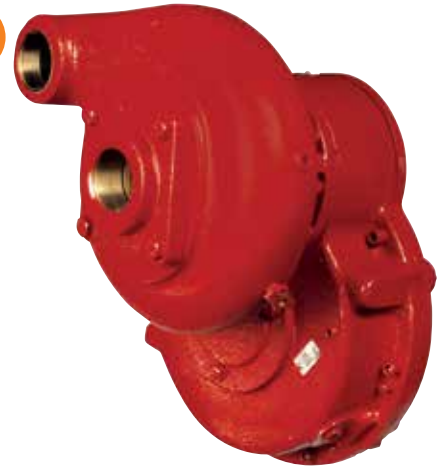
FEATURES

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

OPTIONS

- Available as hydraulic, direct drive or PTO

PRESSURE UP
TO 600 PSI



TRADITIONS AND INNOVATIONS SINCE 1908

MECHANICAL SEAL

DARLEY'S SILICONE CARBIDE MECHANICAL SEAL
IS A STEP ABOVE THE REST IN TERMS OF THERMAL
SHOCK ABSORPTION. WHERE OTHER MATERIALS
MAY FAIL DUE TO A DRY RUN OR NEED TO BE
CHANGED DUE TO WEAR DURING THE LIFETIME OF
A PUMP, DARLEY'S SEAL HOLDS TRUE WITHOUT
THE NEED FOR MAINTENANCE OR REPLACEMENT
DURING THE NORMAL LIFE OF THE PUMP.



See page 49 For More Info

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.

APPLICATIONS

- Mini pumper, tanker, wildland/attack fire

FEATURES

- Vertically split, cast iron, bronze fitted pump casing
- Impeller seal rings opposed design to eliminate end thrust
- Splined 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

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)

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)

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)

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

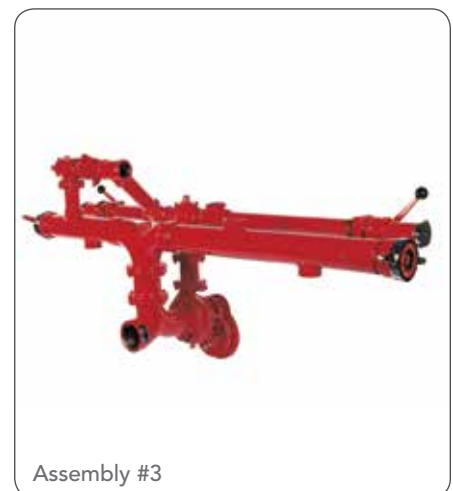
HM250/HM350: 25"L x body width x 31"H, 325 lbs. (148 kg)
HM500: 27"L x body width x 34"H, 425 lbs. (193 kg)



Assembly #1



Assembly #2



Assembly #3

SINGLE STAGE, HIGH PRESSURE, CENTRIFUGAL, PTO DRIVEN

DIMENSIONS

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

APPLICATIONS

- Mini pumper, pumper, wildland/attack fire, initial attack

FEATURES

ASSEMBLY #1

- 2½" 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 - 2½" NPT discharge
- 2 - 3" or 4" NPT suction

ASSEMBLY #3

- 2 - 2½" NH, ¼ turn, ball, valves and caps
- 2 - 3" or 4" NH suction with adapters and caps
- 2 - 2½" NPT tapped openings on discharge manifolds
- 2 - 2½" 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)



JMP 500 & JMP 500 NH

TWO STAGE, SERIES/PARALLEL, CENTRIFUGAL, PTO DRIVEN

DIMENSIONS

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

APPLICATIONS

- Mini pumper, pumper, wildland/attack fire

FEATURES

- 3 - 2½" 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

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 normal pressure, high pressure performance

- 200 gpm (756 L/M) @ 110 psi (7.6 bar)
- 100 gpm (378 L/M) @ 290 psi (20.0 bar)

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



JMP 500 2-GEAR



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

KSPA 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, tanker, 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

KSPA 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)

KSPA 750

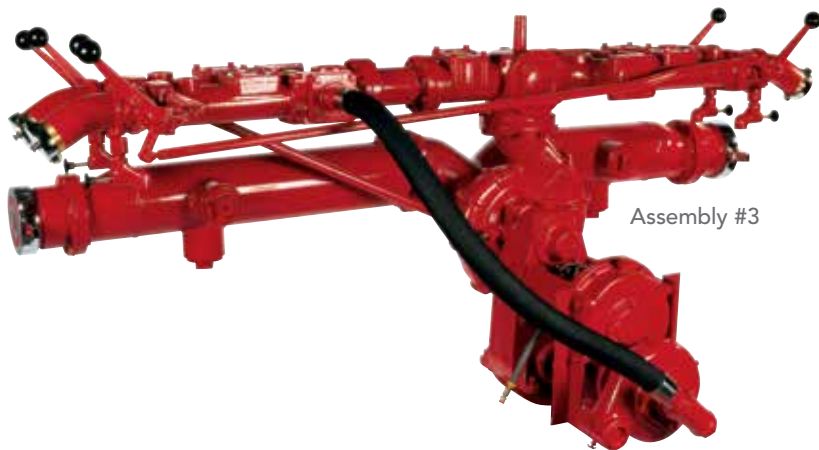
- 750 gpm (2839 L/M) @ 150 psi (10.3 bar)
- 525 gpm (1987 L/M) @ 200 psi (13.8 bar)
- 375 gpm (1419 L/M) @ 250 psi (17.2 bar)

KSPA 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

SINGLE STAGE, CENTRIFUGAL, PTO DRIVEN

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

- 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 and discharge valves

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)



Assembly #3

Assembly
#1



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 high pressure booster 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)



High Pressure
Booster Pump

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)

LSPH High Pressure (simultaneous performance)

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

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.

DIMENSIONS

- 19" L x 18" W x 23" H, 345 lbs. (157 kg)

APPLICATIONS

- Aerial, crash fire rescue, industrial, pumper, pumper tanker, rescue pumper, tanker

FEATURES

- 5" NPT discharge flange
- 6" NPT or weld suction flange
- Rotation: Engine or opposite engine
- Mechanical seal

UNIQUE FEATURES

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.

OPTIONAL CONFIGURATIONS

- Discharge manifold
- Sweep suction T with 2 - 6" inlets
- Available as 2-gear or 3-gear transmission

PERFORMANCE

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)

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)

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)

**UL RATINGS TO 1500 WITH THE
ALLISON EVS TRANSMISSION**



Assembly #1



Assembly #2



TRADITIONS AND INNOVATIONS SINCE 1908

PATENTED AUTOCOOL™

DARLEY'S UNIQUE PATENTED AUTOCOOL™ ELIMINATES THE POSSIBILITY OF OIL CONTAMINATION COOLING OIL FROM OUTSIDE THE TRANSMISSION.



See page 56 For More Info

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

- 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 high pressure booster pump
- Rotation: Engine or opposite engine
- 1410 lock on yoke

PERFORMANCE

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)

PSPH 1250

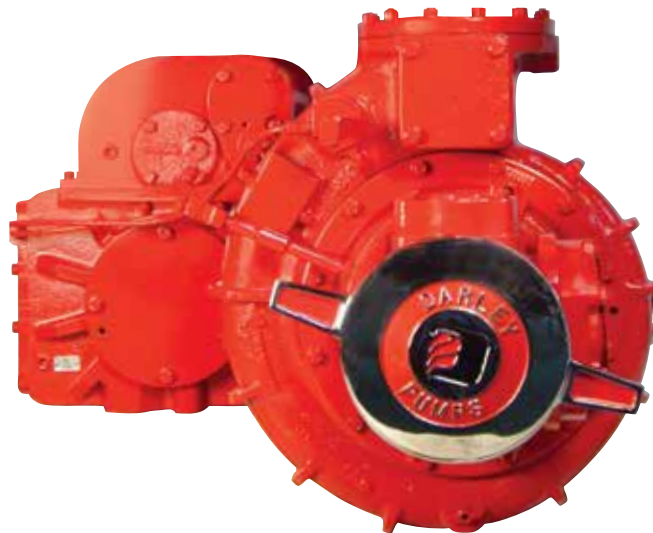
- 1250 gpm (4731 L/M) @ 150 psi (10.3 bar)
- 875 gpm (3312 L/M) @ 200 psi (13.8 bar)
- 625 gpm (2365 L/M) @ 250 psi (17.2 bar)

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)

PSPH High Pressure (simultaneous performance)

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



PSD 1000, 1250, 1500

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

- Crash fire rescue, rescue pumper, tanker

FEATURES

- 5" NPT discharge
- 6" NPT or weld suction flange
- Rotation: Engine or opposite engine
- 1410 companion drive flange

PERFORMANCE

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)

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)

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)

TRANSMISSION

- Recommended Transmission: LDM-XHD-PTO
- Gear Ratio: 1.34:1 through 2.67:1
- 300 HP Split Shaft PTO, Torque
- Rating Up to 19,260 ft/lb



The PSD is often
driven by this split
shaft PTO



LDM-XHD-PTO

DIMENSIONS

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

DIMENSIONS

- Single stage, centrifugal pump, single suction impeller, PTO mounted

APPLICATIONS

- Industrial, chemical, aerial, ARFF, fire boat

FEATURES

- 6" weld discharge
- 8" weld flange suction
- Mechanical seal
- MegaTrans™ transmission
- 1550 companion flange

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

2500 gpm (9463 L/M) @ 150 psi (10.3 bar)

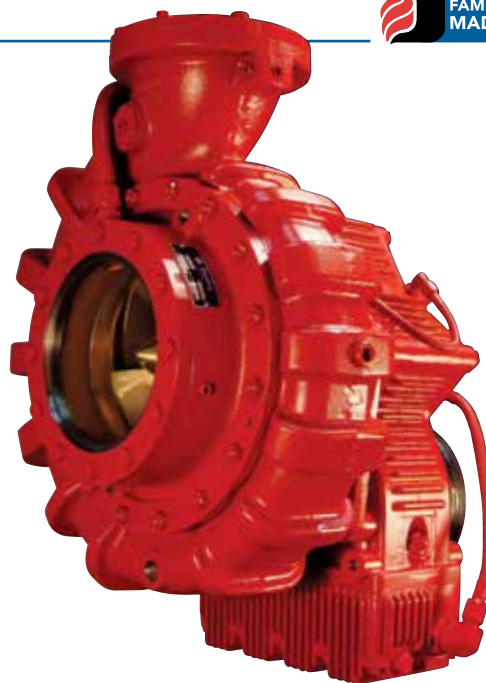
2500 gpm (9463 L/M) @ 165 psi (11.3 bar)

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



ZSP 3000 NFPA Fire Pump

3000 gpm (11,356 L/M) @ 100 psi (6.9 bar)

1500 gpm (5678 L/M) @ 200 psi (13.8 bar)

Using 2 - 8" or 4 - 6" suction hose

Rated at 3000 gpm for NFPA 1901 fire pump application



TRADITIONS AND INNOVATIONS SINCE 1908

WORLDWIDE PRESENCE

OUR DEALER AND SERVICE NETWORK CONSISTS OF OVER 200 NATIONAL DISTRIBUTORS, WITH A PRESENCE IN ALL 50 STATES. DARLEY ALSO HAS MORE THAN 50 INTERNATIONAL DEALERS IN OVER 40 COUNTRIES AND 10 INTERNATIONAL DARLEY REPRESENTATIVES READY TO ASSIST WITH YOUR ORDER. CALL TOLL FREE 1.800.4.DARLEY OR +1.630.735.3500 TO LOCATE YOUR DARLEY REPRESENTATIVE.



KDM-HD-PTO



300 HP SPLIT SHAFT PTO, TORQUE RATING UP TO 19,260 FT/LB

DIMENSIONS

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

APPLICATIONS

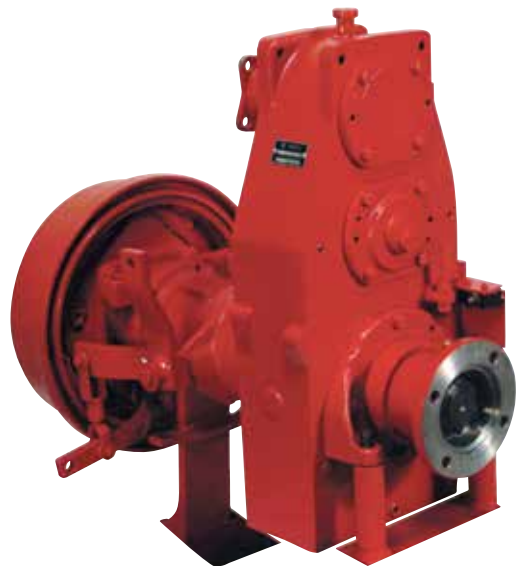
- Drives rear mounted pumps, driveline for foam, generator, and hydraulic systems, pumper

FEATURES

- 2 1/2" 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 through 1.20 to 1
- Engine rotation - gear ratio: 1:62 to 1 through 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 19,260 FT/LB

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

- 2 1/2" 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 through 1.27 to 1
- Engine rotation - gear ratio: 1:34 to 1 through 2.67 to 1

OPTIONS

- Electric shift
- Hydraulic drive flange
- Parking brake



ZSM-XHD-PTO - MEGATRANS™

500 HP PTO, TORQUE RATING UP TO 19,260 FT/LB

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

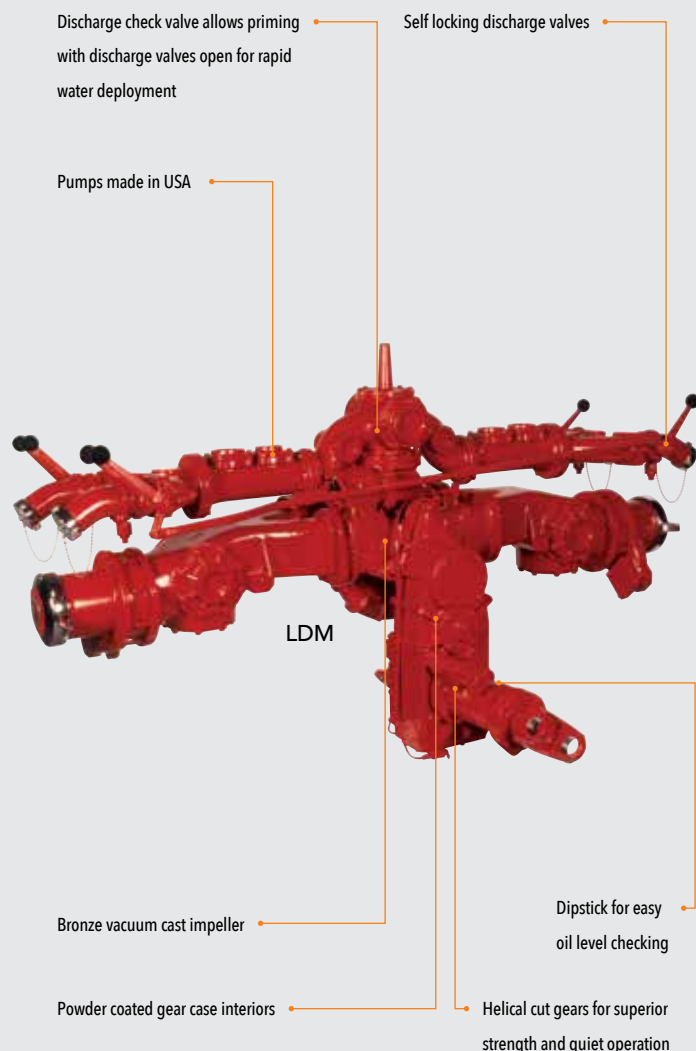


MIDSHIP MOUNTED PUMPS

DARLEY OFFERS BOTH MANIFOLDED AND NON-MANIFOLDED MIDSHIP PUMPS WITH RATINGS FROM 500 TO 3500 GPM.



FEATURES THAT SET DARLEY PUMPS APART



ADDITIONAL FEATURES

- Injection packing allows the pump to be repacked in minutes
- Mechanical seal is made with a silicon carbide stationary face

SECTION INDEX

KHM 500	54
LSM 500, 750, 1000	54
PSM 1000, 1250, 1500	55
LDM 1000, 1250, 1500, 1750	56
LDMH 1000, 1250, 1500, 1750	57
LDMX 1000, 1250, 1500, 1750	57
EM 1000, 1250, 1500, 1750, 2000	58
ZSM 2500, 3000, 3500	58

PUMP CATEGORIES

KHM PUMPS

The KHM pumps are a compact and efficient. Offering for mini pumpers and tankers, 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 Midship 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. Its compact design means less space and weight on the vehicle with significant reserve capacity. Rated at 1000, 1250, 1500 gpm.

LDM PUMPS

Our flagship midship mounted pump. Double suction design provides efficient operation and a compact design. Thousands are in service. Ratings from 1000 - 1750 gpm.

EM PUMPS

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

ZSM PUMPS

The ZSM is the highest flowing Midship pump on the market with ratings from 2500-3000 gpm in a compact package. Featuring the Darley MegaTrans™, the ZSM design is capable of significant excess capacity.

MAGNATRANS™

Darley's Magnatrans™ is the highest rated transmission in the industry at 19,230 ft/lb rating. Featuring helical cut gears for strength and quiet operation and the patented Autocool™ feature which eliminates contamination risk from cooling line ruptures or freezing.

MEGATRANS™

Darley's Megatrans™ provides for deeper driveline drops and same industry leading 19,230 ft/lb rating. Featuring patented AutoLube™ cooling and lubrication system and optional belt driven primer.

SINGLE STAGE, CENTRIFUGAL, SINGLE SUCTION IMPELLER,
MIDSHIP MOUNTED

AVAILABLE WITH
HIGH PRESSURE

DIMENSIONS & WEIGHT

- 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 - 2½" NPT discharge openings
- Discharge head check valve
- Suction elbow and tee

ASSEMBLY #3

- 2 - 2½" NH ¼ turn, ball, self-locking valves and caps
- 2 - 4" NH suction adapters and caps
- 2 - 2½" NPT suction openings
- 1 - 4" tank to pump suction opening
- 2 - 2½" NPT discharge openings
- Body width: 70" - 72"
- Complete



OPTIONS

- Available as a KMH 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 & WEIGHT

- 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)

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)



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 allows for fast priming. The PS Series pump has been the choice of thousands of departments around the world – confidence you can count on.

DIMENSIONS & WEIGHT

- 33" L x 19" W x 31" H, 660 lbs. (300 kg)

APPLICATIONS

- Aerial, pumper, pumper tanker, rescue pumper, tanker

FEATURES

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

OPTIONS

- Electric over air shift
- Mechanical seal
- Discharge manifold and suction tee (Pictured)
- PSM is also available as a fully manifolded pump - Assembly #3
- Available as a PSMH high pressure pump

KEY FEATURES

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.

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.

PERFORMANCE

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)

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)

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)

Assembly #1



AVAILABLE WITH
HIGH PRESSURE



Mechanical Seal



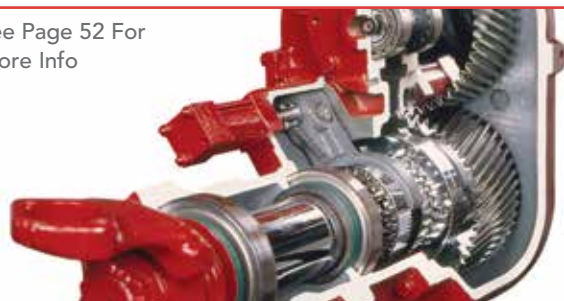
MagnaTrans™ Gearbox

TRADITIONS AND INNOVATIONS SINCE 1908

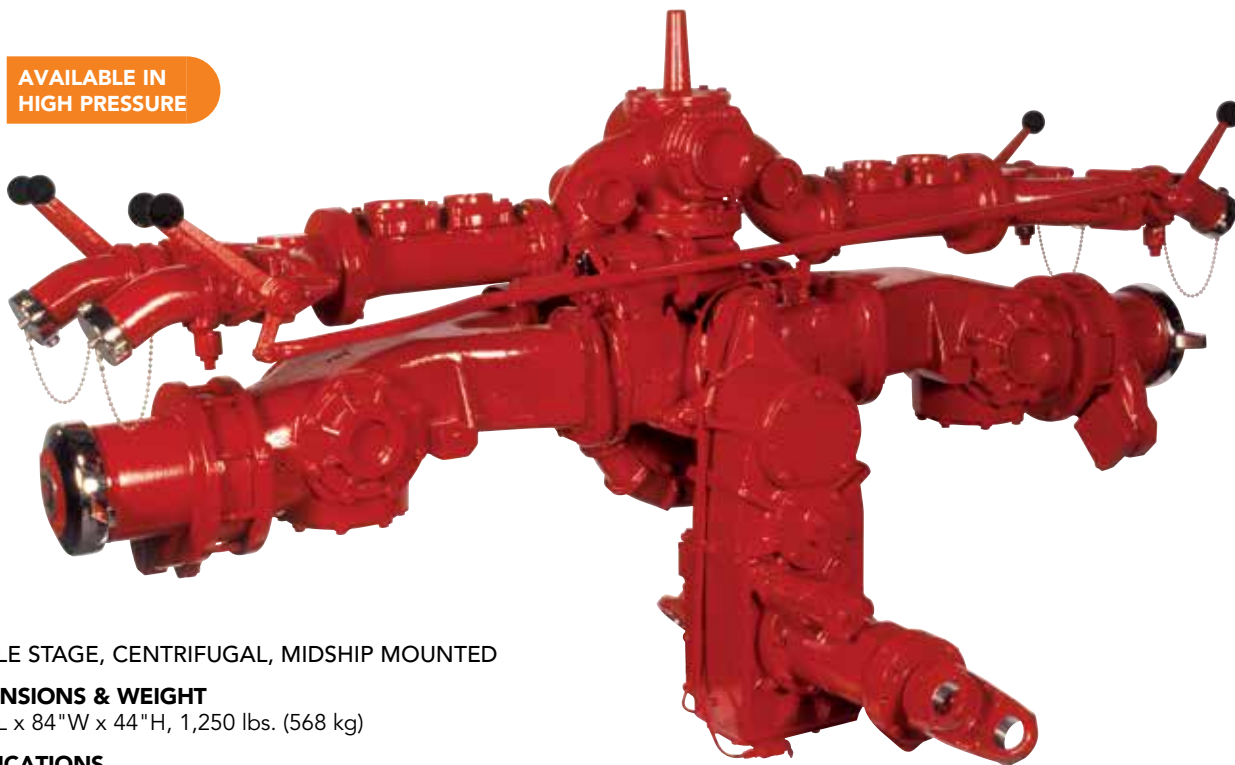
STRONGEST TRANSMISSION - MAGNATRANS™

ANOTHER EXCLUSIVE INNOVATION FOR DARLEY, THE MAGNATRANS™ FEATURES A DRIVELINE RATING OF 19,230 FT. LBS, EXTRA OIL CAPACITY OF 64 OZ, BULLET NOSE SLIDING, A CLUTCH GEAR AND AN EASY ACCESS DIPSTICK.

See Page 52 For
More Info



AVAILABLE IN
HIGH PRESSURE



SINGLE STAGE, CENTRIFUGAL, MIDSHIP MOUNTED

DIMENSIONS & WEIGHT

- 46" L x 84" W x 44" H, 1,250 lbs. (568 kg)

APPLICATIONS

- Aerial, pumper, pumper tanker, rescue pumper, tanker

FEATURES

- Air shift
- Injection packing
- Heat treated gears
- Pressure relief valve
- Mechanical seal
- Oil-less primer
- Vacuum cast impeller
- AutoControl governor
- Overheat protection system
- Discharge check valve
- Manual or electric behind-the-panel butterfly valves
- 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
- 2½" driveline, 12¼" driveline drop

OPTIONS

- Mechanical seal
- Available with MegaTrans™ transmission

PERFORMANCE

LDM 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)

LDM 1250

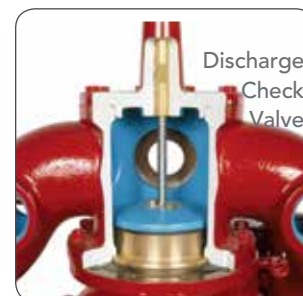
1250 gpm (4731 L/M) @ 150 psi (10.3 bar)
875 gpm (3312 L/M) @ 200 psi (13.8 bar)
625 gpm (2365 L/M) @ 250 psi (17.2 bar)

LDM 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)

LDM 1750

1750 gpm (6624 L/M) @ 150 psi (10.3 bar)
1225 gpm (4637 L/M) @ 200 psi (13.8 bar)
875 gpm (3312 L/M) @ 250 psi (17.2 bar)



LDMH 1000, 1250, 1500, 1750



SINGLE STAGE, CENTRIFUGAL, MIDSHIP MOUNTED

DIMENSIONS & WEIGHT

- 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 - 2½" NH, ¼ turn, ball, self-locking valves and caps, mounted
- 2 - 5" or 6" NH suction adapters and caps
- Choice of 1½", 2½" or 3" companion flanges, discharge or suction (as needed)
- 1610 or 1710 full round yokes standard
- Air shift
- 2½" driveline, 12½" 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)

LDM 1000

1000 gpm (3785 L/M) @ 150 psi (10.3 bar)

700 gpm (2646 L/M) @ 200 psi (13.8 bar)

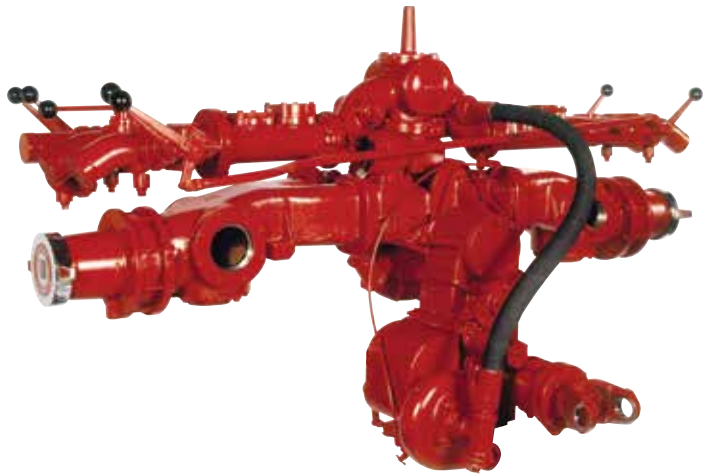
500 gpm (1893 L/M) @ 250 psi (17.2 bar)

LDM 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)



LDM 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)

LDM 1750

1750 gpm (6624 L/M) @ 150 psi (10.3 bar)

1225 gpm (4637 L/M) @ 200 psi (13.8 bar)

875 gpm (3312 L/M) @ 250 psi (17.2 bar)

MIDSHIP | 1.800.323.0244 | DARLEY.COM/PUMPS

LDMX 1000, 1250, 1500, 1750

SINGLE STAGE, CENTRIFUGAL, MIDSHIP MOUNTED

DIMENSIONS & WEIGHT

- 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
- 2½" driveline, 12¼" driveline drop
- Body width: 70" - 72"
- Heat treated gears
- Offers an economical solution that offers OEMs the ability to design their own discharge manifold

PERFORMANCE

LDM 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)

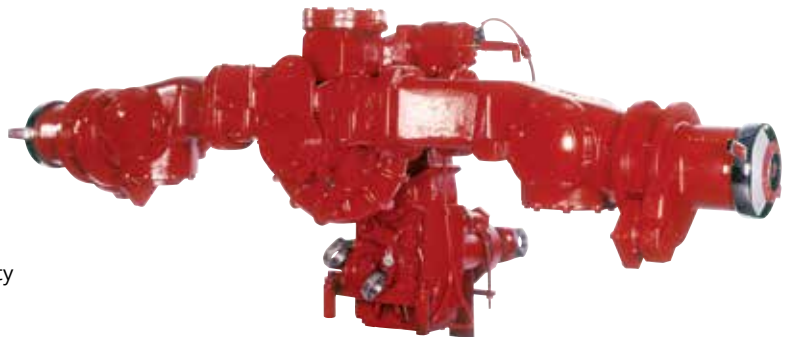
LDM 1250

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)

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



LDM 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)

LDM 1750

1750 gpm (6624 L/M) @ 150 psi (10.3 bar)

1225 gpm (4637 L/M) @ 200 psi (13.8 bar)

875 gpm (3312 L/M) @ 250 psi (17.2 bar)

EM 1000, 1250, 1500, 1750, 2000



TWO STAGE, CENTRIFUGAL, MIDSHIP MOUNTED

DIMENSIONS & WEIGHT

- 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 or 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)

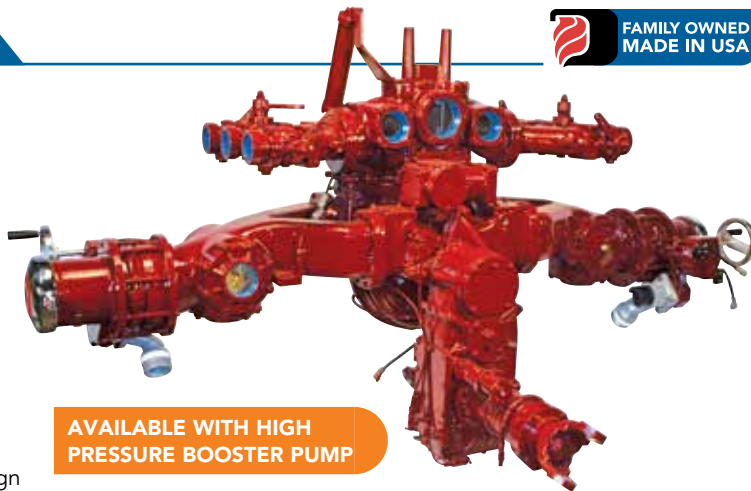
EM 2000

- 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)

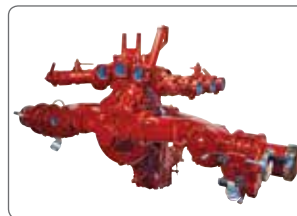
EM 2nd STAGE

- 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



AVAILABLE WITH HIGH
PRESSURE BOOSTER PUMP



EMH 3rd 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 & WEIGHT

- 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)
- 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 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.



FEATURES THAT SET DARLEY CAFS APART



ADDITIONAL FEATURES

- Darley Fast Foam and Foam Pro proportioner

SECTION INDEX

MONGOOSE GAS 46/23	60
MONGOOSE DIESEL 46/23	60
MUSTANG 100/50	61
DERRINGER 100/50	61
WEAPON 200/100	62
LYNX	62
COBRA 250/100	63
POWERHEADS	64
PTO COMPRESSOR KITS	65
PTO COMPRESSOR MODULES	65-66
AUTOVALVE™ KITS	66
AUTOFILL™ SYSTEMS	66
FAST FOAM 50	67
FAST FOAM 250	67
ATP FOAM FLURRY™	68
AUTOCAFS® PUMP ASSEMBLIES	69
HMBC 500/220	70
PSPBC 1000, 1250, 1500	71
EMBC 1000, 1250, 1500, 2000	71
LDMBC	72
AUTOCAFS® COMPRESSOR PACKAGES	73
FOAM MANIFOLD CONFIGURATIONS	74
DISCHARGE VALVE ASSEMBLIES	74

PUMP CATEGORIES

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 panel 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.

MONGOOSE 46/23 GAS



ENGINE DRIVEN

ENGINE

- Kawasaki: 31 HP @ 3600 rpm, liquid-cooled, V twin, 2 cylinder gasoline-powered, 12 vdc electric start, multiport digital fuel injected

PUMP

- Darley Model 2BE: Fully adjustable 1½" CAF discharge mix point, 2½" water discharge, 2½" direct tank fill, 2½" NPT suction inlet, Darley 12v primer, 2½" water and air pressure gauges, pump drain valve, stainless steel plumbing

DIMENSIONS

- 36" (+6")L x 47¼"W x 33"H, 875 lbs. (397 kg)

APPLICATIONS

- Wildland, quick attack, rescue, skid unit

FEATURES

- Engine driven
- Control Panel - Illuminated: Precision cut, cover overlayed panel with integrated labels, foam injection system controls installed
- Air Compressor: Rotary screw encapsulated, manufacturer approved for flows 60 cfm @ 150 psi
- Frame: Lightweight aluminum
- Foam Proportioner System: Darley fast foam 50 class "A" foam proportioner

PERFORMANCE

Water

120 gpm (454 L/M) @ 100 psi (6.9 bar)
250 gpm (946 L/M) @ 40 psi (2.7 bar)

Simultaneous Flow (NFPA)

46 gpm (174 L/M) & 23 cfm (651 L/M) @ 125 psi (8.6 bar)



Air Compressor

50 cfm (1416 L/M) @ 125 psi (8.6 bar)

Simultaneous Flow

80 gpm (303 L/M) & 40 cfm (1133 L/M) @ 100 psi (6.9 bar)

MONGOOSE 46/23 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 1½" CAF discharge mix point, 2½" water discharge, 2½" direct tank fill, 2½" NPT suction inlet, 2½" water and air pressure gauges, pump drain valve, stainless steel plumbing, 12 vdc electric primer system

DIMENSIONS

- 44" (+6")L x 47¾"W x 36"H, 1100 lbs. (498 kg)

APPLICATIONS

- Wildland/attack fire suppression, rescue, skid unit

FEATURES

- Engine driven
- Control Panel - Illuminated: Precision cut, cover overlayed panel with integrated labels, foam injection system controls installed
- Air Compressor: Rotary screw encapsulated air compressor, compressor temperature alarm
- Frame: Industrial strength lightweight aluminum
- Foam Proportioner System: Darley fast foam 50 class "A" foam proportioner

PERFORMANCE

Water

120 gpm (454 L/M) @ 100 psi (6.9 bar)
250 gpm (946 L/M) @ 40 psi (2.7 bar)

Simultaneous Flow (NFPA)

46 gpm (174 L/M) & 23 cfm (651 L/M) @ 125 psi (8.6 bar)



Air Compressor

50 cfm (1416 L/M) @ 125 psi (8.6 bar)

Simultaneous Flow

80 gpm (303 L/M) & 40 cfm (1133 L/M) @ 100 psi (6.9 bar)

MUSTANG 100/50



ENGINE DRIVEN

ENGINE

- Kubota 1505: 33.5 HP, liquid-cooled, indirect injection, naturally aspirated diesel engine, 12 vdc 40 amp alternator, glow plugs, hosed oil drain

PUMP

- Darley 1-1/2AGE: 1 1/2" CAF discharge mix point, 1 1/2" discharge valve, 2 1/2" tank to pump suction inlet, 2 1/2" direct tank fill, Darley 12v primer, stainless steel plumbing

DIMENSIONS

- 54.5"L x 48"W x 39"H, 1,250 lbs. (567 kg)

APPLICATIONS

- Mini pumper, rescues, wildland/interface

FEATURES

- Engine driven
- Control Panel - Illuminated: Precision cut stainless steel panel with all system controls installed
- Air Compressor: Rotary screw encapsulated air compressor, compressor temperature alarm
- Frame: Industrial strength lightweight aluminum with fork lift provisions
- Foam Proportioner System: Darley fast foam 50 class "A" foam proportioner
- Water only discharge
- Chrome caps or plugs on all panel adapters

PERFORMANCE

Simultaneous Flow

100 gpm (379 L/M) & 50 cfm (1416 L/M) @ 125 psi (8.6 bar)

130 gpm (492 L/M) & 60 cfm (1699 L/M) @ 100 psi (6.9 bar)

Air Performance

60 cfm (1699 L/M) @ 125 psi (8.6 bar)



Pump Performance

135 gpm (511 L/M) @ 150 psi (10.36 bar)

160 gpm (605 L/M) @ 100 psi (6.9 bar)

DERRINGER 100/50

ENGINE DRIVEN

ENGINE

- Kubota Model V1505: 33.5 HP liquid cooled, diesel engine, indirect injection, naturally aspirated, pressure lubricated, 12 vdc 40-amp alternator, glow plugs, remote oil drain

PUMP

- Darley Model 1-1/2AGE: Single-stage, centrifugal pump. Designed to provide up to 130 gpm and pressures up to 170 psi

DIMENSIONS

- 54.5"L x 47.5"W x 39"H, 1,250 lbs. (567 kg)

APPLICATIONS

- Wildland, quick attack, rescue, skid unit

FEATURES

- Engine driven
- 2 - 1 1/2" independent CAF discharges
- Control Panel - Illuminated: Precision 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, compressor temperature gauge with alarm
- Lid: Precision computer cut, ventilated, hinged, gas shock lift struts, latched, fully assembled lid
- Frame: Lightweight aluminum with fork lift provisions
- Foam Proportioner System: FoamPro model 1601 system
- Water level gauge
- Foam level gauge
- Air flow meter



PERFORMANCE

Water

135 gpm (511 L/M) @ 150 psi (10.4 bar)

160 gpm (606 L/M) @ 100 psi (6.9 bar)

Simultaneous Flow

110 gpm & 50 cfm @ 125 psi

Air Compressor

60 cfm (1699 L/M) @ 125 psi (8.6 bar)

Simultaneous Flow

130 gpm & 60 cfm @ 100 psi

ENGINE DRIVEN

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

ENGINE

- Deutz BF2011F: 73 HP @ 2600 rpm, air/oil cooled, indirect injection, turbo charged diesel engine with remote oil drain

PUMP

- Darley Model 2-1/2AGE: Single stage, centrifugal pump, 2-1/2" independent CAF discharges, designed to provide up to 250 gpm and pressures up to 250 psi

DIMENSIONS

- 56"L x 47 1/2"W x 40"H, 1750 lbs. (793 kg)

APPLICATIONS

- Wildland/attack fire suppression, rescue, skid unit

FEATURES

- Engine driven
- Control Panel - Illuminated: Precision cut brushed stainless steel panel with all system controls installed
- Air Compressor: Rotary screw encapsulated air compressor ODIN AutoBalance™ valve, compressor temperature alarm
- Frame: Industrial strength lightweight aluminum
- Foam Proportioner System: Foam Pro 1601

PERFORMANCE

Water

- 250 gpm (946 L/M) @ 150 psi (10.3 bar)
- 175 gpm (662 L/M) @ 200 psi (13.7 bar)
- 125 gpm (473 L/M) @ 250 psi (17.2 bar)

Simultaneous Flow

- 200 gpm (757 L/M) & 100 cfm (2831 L/M) @ 125 psi (8.6 bar)

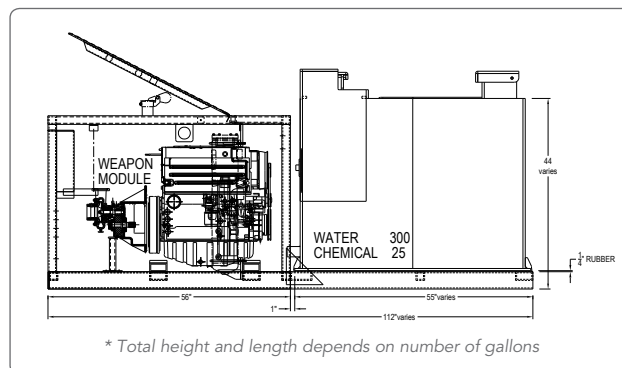
Air Compressor

- 125 cfm (3440 L/M) @ 125 psi (8.6 bar)

Simultaneous Flow

- 220 gpm (832 L/M) & 120 cfm (3398 L/M) @ 100 psi (6.9 bar)

**NFPA RATED
250 GPM**



LYNX

ENGINE

- Kubota: 24.8 HP @ 3600 rpm, water-cooled, 3 cylinder, diesel-powered, 12 vdc electric start

PUMP

- 1-1/2 AGE (2.7 ratio) Foam System: FoamPro 1601

DIMENSIONS

- 41 3/4"L x 45"W x 33"H, 525 lbs. (238 kg)

FEATURES

- Control Panel - Illuminated: Precision cut, brushed stainless steel panel with all engine, water pump, and foam injection system controls gauges and instruments installed; removable radiator access cover
- Frame: Lightweight aluminum with form lift provisions
- Lid: precision cut, ventilated, hinged, gas shock lift struts, latched, fully assembled
- Primer: Darley 12V primer
- Plumbing: 1 1/2" Foam panel discharge, 1 1/2" preconnect push pull control, 1 1/2" water only panel discharge, 2 1/2" direct tank fill, 2 1/2" suction, tank refill/recirculation push pull control, tank to pump push pull control
- Others options: Loss of prime shutdown, ODIN AutoFill™, long handled swivel

PERFORMANCE

- 20 gpm (76 L/M) @ 310 psi (21.4 bar)
- 140 gpm (530 L/M) @ 145 psi (10 bar)
- 180 gpm (681 L/M) @ 80 psi (5.5 bar)



Consult ODIN engineering for
assembly drawings and installation
instructions @ 319.987.2226.

ENGINE DRIVEN

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

**NFPA RATED
250 GPM**

PUMP

- Darley 2 1/2 AGE: 2 - 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: Precision 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



TRADITIONS AND INNOVATIONS SINCE 1908

CAFS DEMONSTRATIONS

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



POWERHEADS

MONGOOSE DIESEL

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

80/40 @ 100 psi
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

130/60 @ 100 psi
NFPA 110/55 @ 125 psi



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

NFPA 200/100 @ 125 psi



TRADITIONS AND INNOVATIONS SINCE 1908

PUMPS SCHOOL AND CAFS ACADEMY

DARLEY OFFERS HANDS-ON CLASSES DESIGNED TO TEACH MAINTENANCE, SERVICE AND OPERATION OF PUMPS AND CAFS. PUMP SCHOOL IS HELD EVERY SPRING AND FALL. CAFS ACADEMY IS HELD ANNUALLY FOLLOWING SPRING PUMP SCHOOL. EMAIL CAFS@DARLEY.COM TO REGISTER.



PTO COMPRESSOR MODULES

150 & 200 CFM



New PTO frame with 20% space savings. Pre-plumbed module and engineered air-end package converts new or existing apparatus into CAFS capable. Available in 150 and 200 cfm.

DIMENSIONS

- Module Only: 36" L x 19" W x 20" H, Contact ODIN for compressor size

APPLICATIONS

- Mini pumper, rescue pumper, tactical tender, wildland/interface, retro-fits

FEATURES

- Control Panel: LED Display and integrated warning lights
- Air Compressor: Rotary screw air compressor
- Easy hose connection bulkhead with hassle-free installation
- ODIN AutoBalance™ valve & master air check valve
- Remote air intake filter kit
- Kits and other optional equipment available upon request

PERFORMANCE

Air Compressor

150 cfm (5663 L/M) @ 125 psi (8.6 bar)

200 cfm (4247 L/M) @ 125 psi (8.6 bar)



Components

PTO COMPRESSOR KITS

150 & 200 CFM

150 and the 200 cfm compressor kits allow the addition of CAFS to new or existing apparatus.

DIMENSIONS

- 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, retro-fits

FEATURES

- Control Panel: LED Display and integrated warning lights
- PTO driven compressor
- Available in 150 and 200 cfm with inlet valve and mounting bracket
- Horizontal mount air/oil receiver
- ODIN AutoBalance™ valve system
- Stainless steel, plate type heat exchange with thermo valve
- 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)



Contact ODIN at 319.987.2226 for schematic and CAD drawings of components.

ODIN 150/220 CFM PTO & CAFS ACCESSORIES

SMART AIR DISPLAY



PTO MODULE CONTROLLER

The all new PTO controller features a 4.3" (109mm) LED display screen with full instrumental readings included. This new control panel has visual and audio notifications for maintenance reminders and alerts. The compact display screen with a heavy duty electrical harness allows for easy installation and high durability.

- Available on all PTO kits and modules

NEW



ODIN AUTOVALVE™

SIMPLIFY CAFS OPERATIONS

The AutoValve™ system has predetermined flow settings for simplified water and air valve operations with the push of a button. It is also equipped with a "Slug Flow Interlock" safety feature which is designed to prevent the slug flow that occurs when water and air are mixed without foam concentrate. The AutoValve™ is a user programmable electronic valve system that can be used in CAFS, powered by 12 or 24 volt battery power.

SIZE OPTIONS

- 1½", 2", 2½", 3"



ODIN AUTOFILL™

AUTOMATED REFILL PROCESS

Electronic control that fully automates the tank fill process from a pressurized source. System comes with operational control placard and wire harness complete with weather tight connectors. Requires a tank level gauge and sensor - sold separately.

SIZE OPTIONS

- 1½", 2", 2½", 3"



CLASS "A" FOAM PROPORTIONING SYSTEMS

FAST FOAM 50



DESCRIPTION

The Fast Foam 50 is a reliable, compact, and accurate direct proportioner available at an economically friendly price. This model treats up to 50 gpm @ 1% at pressures up to 175 psi.

ENGINE

12 VDC, 1/4 hp continuous speed electric motor. The maximum amp draw at full load, 175 psi, is 21 amps. The pump is a continuous duty, piston type, positive displacement pump, rated at 1/2 gpm. Pump is supplied with a 175 psi safety relief valve for protection against over pressurization. The Venturi flows up to 135 gpm (511 L/min).

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

PERFORMANCE

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



FAST FOAM 250

DESCRIPTION

The Fast Foam 250 is a reliable, compact, and accurate direct proportioner available at an economically friendly price. This model treats up to 250 gpm @ 1% at pressures up to 175 psi.

ENGINE

12 VDC, 1/2 hp continuous speed electric motor. The maximum amp draw at full load, 175 psi will be 39 amps. The pump is a continuous duty, piston type, positive displacement pump. The pump is rated at 2.5 gpm (9.5 L/min). The pump shall be supplied with a 250 psi safety relief valve for protection against over pressurization. The Venturi will flow up to 250 gpm (946.3 L/min).

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



DESCRIPTION

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.

PERFORMANCE

Injects up to .65 gallons a minute of Class A chemical under full flow. It requires a minimum discharge pressure of 80 to optimum 100 psi or above to inject. There is little or no pressure allowed into the suction side of the fire pump (hydrant use) when operating the ATP FOAM FLURRY™.

DIMENSIONS

- 6"H x 3½"D x 6"W

APPLICATIONS

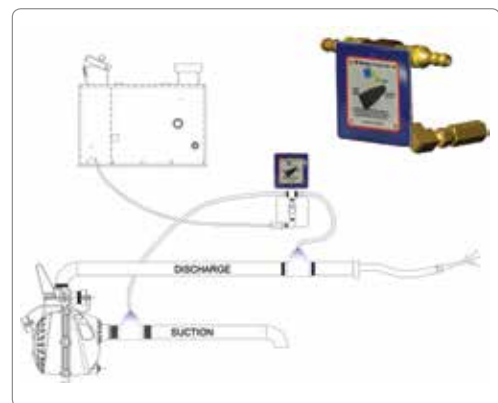
- Skid unit, wildland/quick attack fire vehicle

FEATURES

- All brass construction - no plastic
- Fast adjusting variable control ball valve
- Capable of .5% injection rate up to 130 gpm

SPECIFICATIONS

- **Installation Kit:** Included with necessary fittings and hose for installation of the protection box within 3 feet of the pump head. All fittings are brass alloy and hose is rated to a minimum of 250 psi working pressure.
- **Venturi:** Designed of all brass construction and mounted inside the protection box. It is designed to withstand high pressure and corrosion for long service – there is no plastic construction in any part of the Darley injection venturi.
- **Remote Mount Operation Placard:** Made of 16 gauge stainless steel and mounted with stainless screws to the protection box.
- **Metering Valve:** Installed on the SS placard with bulkhead nut and has a pointer knob control handle for fast volume control of injection. The 90° opening valve is all brass internal design.
- **Check Valve:** Installed on the SS placard with ⅛" JIC fittings for the hose connection.
- **Strainer:** Shipped loose and installed on the foam tank to prevent clogging of the venturi and valves in the FOAM FLURRY.
- **Protection Box:** Made of ⅛" aluminum construction. It is able to be remote mounted away from the pump vibration as needed by the installer. It houses all the critical injection items – venturi, check valve, and meter valve.



TRADITIONS AND INNOVATIONS SINCE 1908

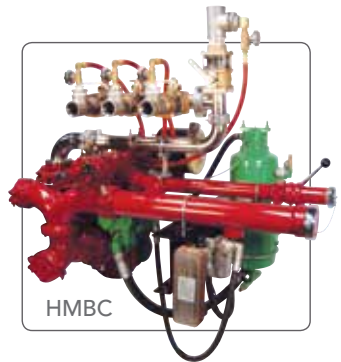
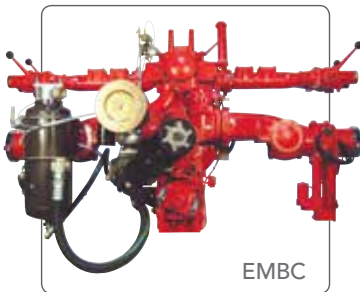
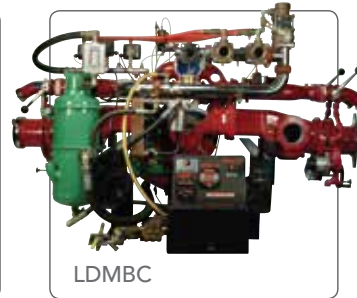
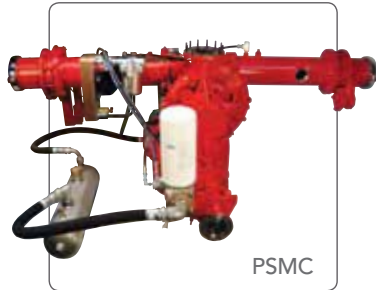
WWW.DARLEY.COM/PUMPS

BROWSE OUR COMPLETE SELECTION OF PUMPS AND CAFS.
DOWNLOAD SPEC SHEETS AND COMPARE MODELS AT
WWW.DARLEY.COM/PUMPS.



AUTOCAFS® PUMP ASSEMBLIES

AutoCAFS®



PUMP/CAFS	GPM	CFM	PUMP DRIVE	COMPRESSOR DRIVE
HMC	500	220	SINGLE STAGE, PTO DRIVEN	GEAR DRIVEN COMPRESSOR
HMBC	500	220	SINGLE STAGE, PTO DRIVEN	BELT DRIVEN COMPRESSOR
KSEC	750 or 1000	220	SINGLE STAGE, ENGINE DRIVEN	GEAR DRIVEN COMPRESSOR
KSPBC	750 or 1000	220	SINGLE STAGE, PTO DRIVEN	BELT DRIVEN COMPRESSOR
KSPC	750 or 1000	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
PSPBC	1000 - 1500	220	SINGLE STAGE, PTO DRIVEN	GEAR DRIVEN COMPRESSOR
LDMPC	1000 - 1750	220	SINGLE STAGE, PTO DRIVEN	GEAR DRIVEN COMPRESSOR
LDMBC	1000 - 1750	220	SINGLE STAGE, MIDSHIP	BELT DRIVEN COMPRESSOR
EMPC	1000 - 2000	220	TWO STAGE, PTO DRIVEN	GEAR DRIVEN COMPRESSOR
EMBC	1000 - 2000	220	TWO STAGE, MIDSHIP	BELT DRIVEN COMPRESSOR

SINGLE STAGE, CENTRIFUGAL, PTO DRIVEN

DIMENSIONS

- 38" L x 76" W x 51 1/2" H, 810 lbs. (367 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

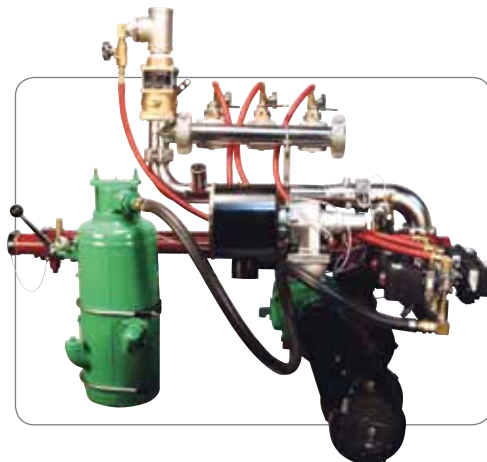
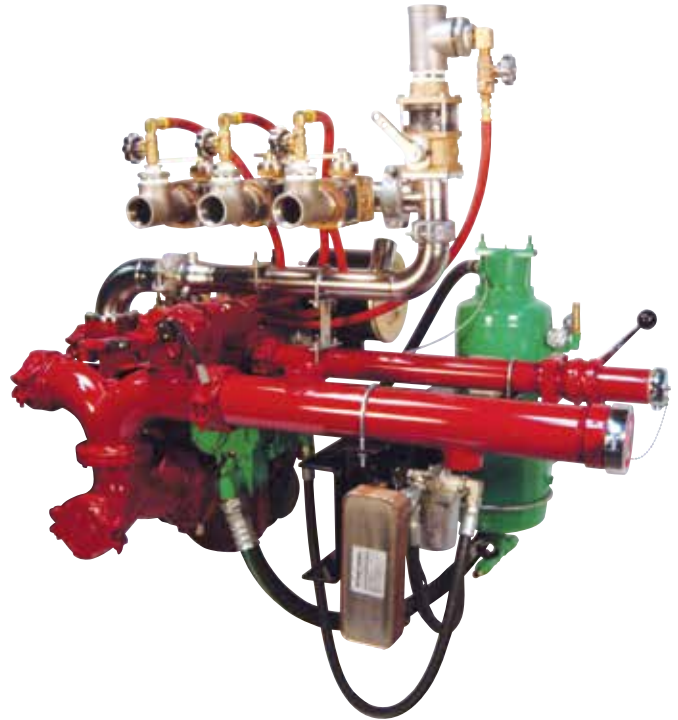
- 3" NPT discharge flange
- 4" NPT suction flange (HM500)
- 2 - 2 1/2" NH, 1/4 turn, ball, valves and caps 2 - 4" NH suction adapters and caps (HM500)
- 2 - 2 1/2" NPT tapped openings on discharge manifolds
- 2 - 2 1/2" NPT tapped openings on suction
- Output shaft for AZ02960, clutched 220 cfm, belt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

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)

Simultaneous CAFS Flow

- 440 gpm @ 220 cfm @ 125 psi



TRADITIONS AND INNOVATIONS SINCE 1908

AUTOCAPS® COMMANDER CONTROL SYSTEM

INDICATES AND OPERATES ALL CAFS FUNCTIONS AND
SYSTEM INFORMATION.

See Page 95 For
More Info



PSPBC 1000, 1250, 1500



SINGLE STAGE, CENTRIFUGAL, PTO DRIVEN

DIMENSIONS

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

APPLICATIONS

- Aerial, pumper, wildland/urban interface, 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)

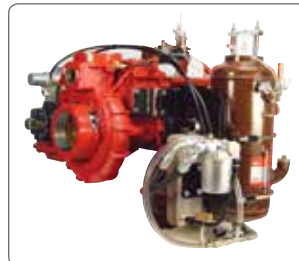
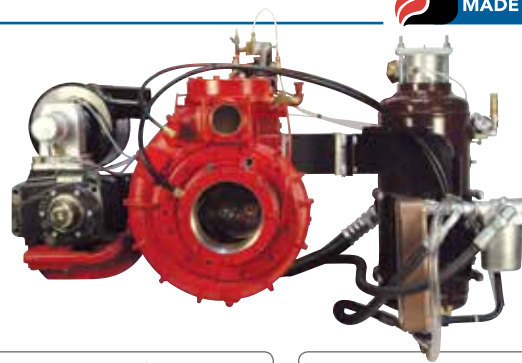
500 gpm (1893 L/M) @ 250 psi (17.2 bar)

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, pumper, rescue 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)

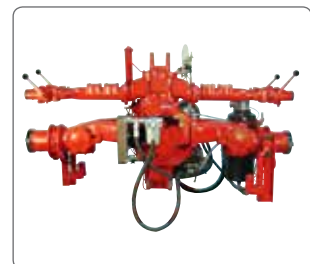
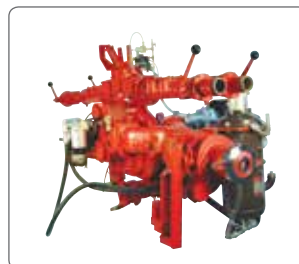
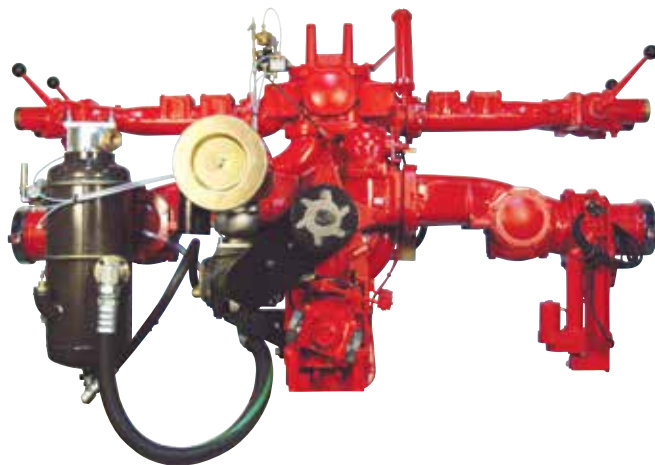
1400 gpm (5299 L/M) @ 200 psi (13.8 bar)

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



SINGLE STAGE, CENTRIFUGAL,
MIDSHIP MOUNTED, PUMP FORWARD

DIMENSIONS

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

APPLICATIONS

- Aerial, pumper, rescue pumper, pumper tanker

FEATURES

- LDMBC 1000-1750 pump assembly
- 4 - 2½" NH, ¼ turn, ball valves
- 2 - 5" or 6" NH suction adapters and caps
- Discharge and suction companion flanges as needed
- 1610 or 1710 full round yokes standard
- Air shift
- AZ02900 220 cfm compressor package
- YE06101 CAFS manifold
- 1 - 2½" and 3 - 2" flanged outlets
- 3 - AZ02500 2" CAFS discharge valve assemblies
- AZ02600 2½" CAFS discharge valve assembly
- AZ02301 ½" air valve manifold with air flow meter
- AutoCAFS® Commander control system

OPTIONS

- 3" tank to pump valve assembly with 4" front tank connection
- 3" LDH discharge
- Manual intake butterfly
- Electric intake butterfly
- FoamPro 2001 foam system

PERFORMANCE

Simultaneous water performance

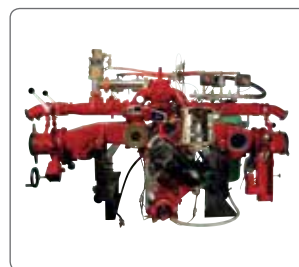
Up to 1750 gpm (6624 L/M) @ 125 psi (8.6 bar)

NFPA RATINGS FROM 1000 - 1750

Simultaneous compressed air performance

220 gpm (6229 L/M) @ 125 psi (8.6 bar)

AVAILABLE AS A
COMPLETE MODULE



TRADITIONS AND INNOVATIONS SINCE 1908

SERVICE AND SUPPORT

OUR PRODUCTS ARE ACTIVELY USED IN MORE THAN 125 COUNTRIES AROUND THE GLOBE. PARTS AND SERVICE ARE AVAILABLE DIRECTLY FROM OUR MANUFACTURING PLANTS AND EASILY ACCESSIBLE THROUGH TOLL-FREE NUMBERS OR E-MAIL. OUR GOAL IS TO SHIP REPLACEMENT PARTS WITHIN 24 HOURS OF RECEIPT OF AN ORDER. CALL 800-634-7812 OR EMAIL: PUMPSALES@DARLEY.COM



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 hosing

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, 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.



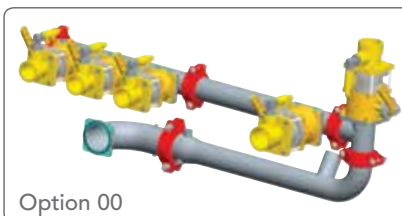
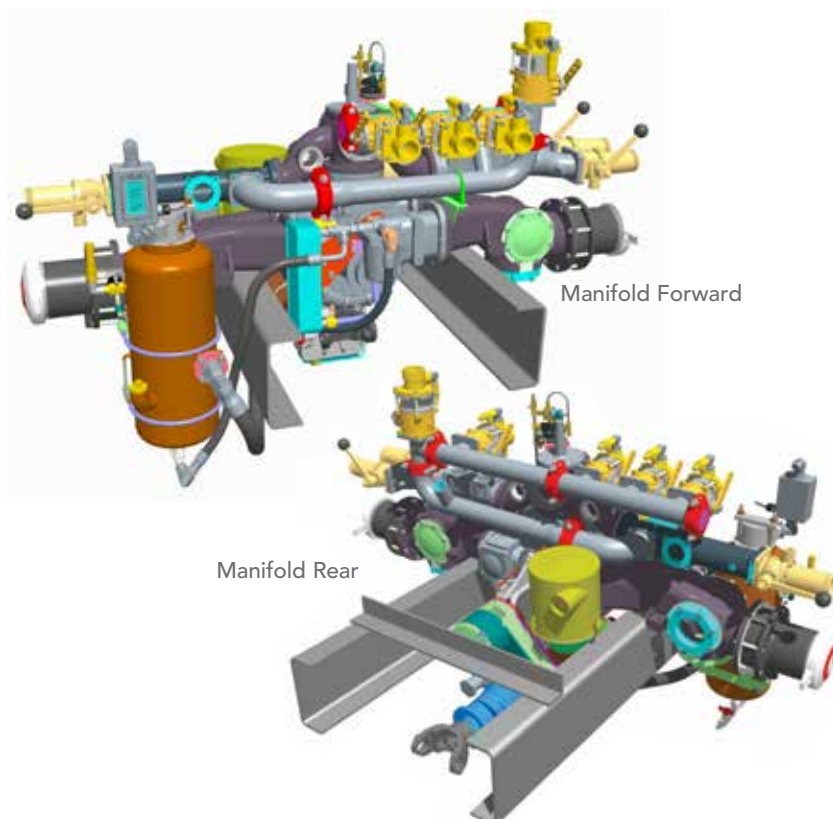
FOAM MANIFOLD CONFIGURATIONS

Three basic options are available for manifold configuration.

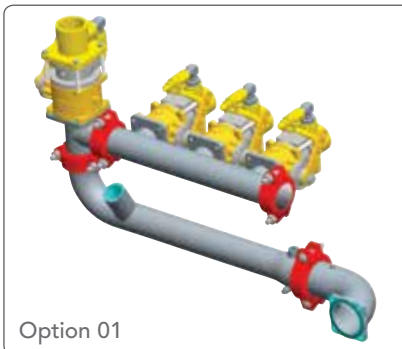
Option 00 – 2 - Flange for 2½" CAFS Valve, 3 - flange for 2" CAFS valve - extensions may be rotated to position valves in a horizontal or vertical orientation.

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.

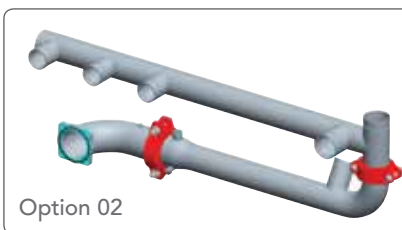
Option 02 – 2 - 2½" victaulic rolled groove, 3 - 2" victaulic rolled groove. This manifold assembly would be used in applications where it is desired to run extension piping from the manifold to individual flow meters (not supplied). OEM supplied Akron victaulic flange is required to attach CAFS valve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



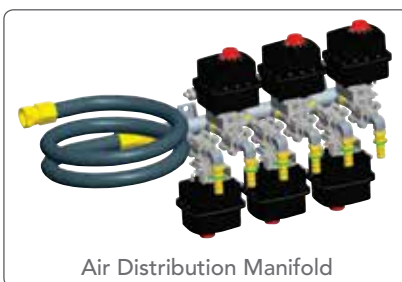
Option 00



Option 01



Option 02



Air Distribution Manifold

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



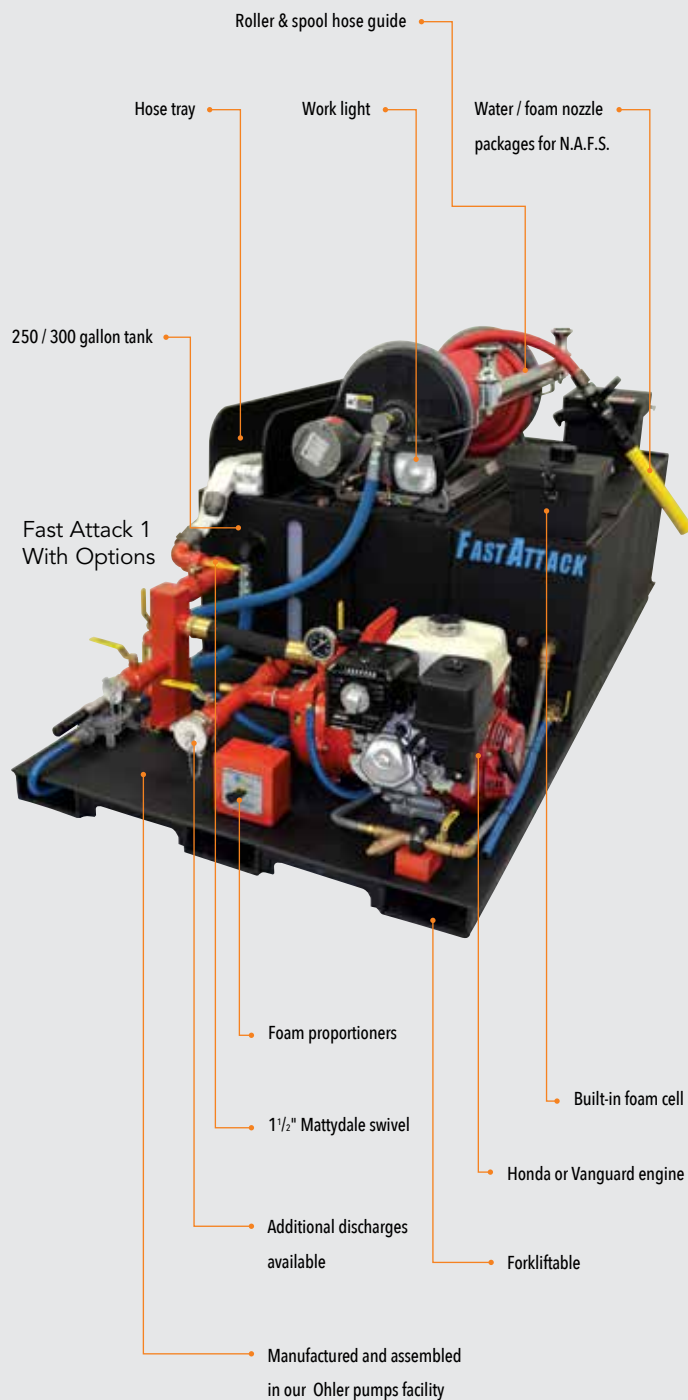
Discharge Valve Assembly

FAST ATTACK SKID UNITS AND UHP PUMPS

DARLEY OFFERS A VARIETY OF SKID UNITS, TRANSFER PUMPS - ALL MANUFACTURED AT OUR OHLER PUMPS, MILITARY PUMPS AND FUEL FACILITY.



FEATURES THAT SET DARLEY SKID UNITS APART



SECTION INDEX

FAST ATTACK 1.....	76
FAST ATTACK 1 WITH OPTIONS.....	76
FAST ATTACK 2.....	77
FAST ATTACK 2 WITH OPTIONS.....	77
UHP-HV® GASOLINE.....	78
UHP-HV® DIESEL.....	78

PUMP CATEGORIES

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 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.



TAKE A VIRTUAL TOUR INSIDE THE OHLER PUMPS MANUFACTURING FACILITY AT OHLERPUMPS.COM



FAST ATTACK SKID UNITS

FAST ATTACK 1



FAMILY OWNED
MADE IN USA

The Fast Attack 1 comes with a 13 hp Davey two-stage pump with a 200 gallon Pro Poly tank and Hannay electric booster reel with 100' of 1" hose.

DIMENSIONS

- 94"L x 48"W x 42"H, 700 lbs. (318 kg)

APPLICATIONS

- Wildland/quick attack fire suppression, skid unit, brush fires, water transfer

FEATURES

- 13 hp twin impeller Davey with Briggs & Stratton engine
- All stainless steel piping and manifold
- 200 gallon pro poly tank
- F4000 Hannay electric rewind reel
- 100' of 1" booster hose
- Self priming up to 19'
- 2 1/2" NST suction adapter
- 1" tank recirculation
- 1 1/2" tank to pump and discharge
- Multiple configurations
- C-channel bases
- Solid pump performance for wildland firefighting
- Fast delivery

PERFORMANCE

AK305

120 gpm (454 L/M) @ 40 psi (2.8 bar)

95 gpm (360 L/M) @ 108 psi (7.4 bar)

20 gpm (76 L/M) @ 146 psi (10.1 bar)

THEORETICAL FRICTION LOSS IN 100' OF 1" BOOSTER @ 100 PSI

12 gpm (45 L/M) = 2 psi (.1 bar)

20 gpm (76 L/M) = 6 psi (5.2 bar)

30 gpm (114 L/M) = 14 psi (7.9 bar)

OPTIONS

- Water/foam nozzle packages for N.A.F.S.
- Roller and spool hose guide
- Built-in 10 gallon foam cell
- ATP Foam Flurry™ proportioner
- 1 1/2" Mattydale swivel
- Work light
- Poly hose tray
- Additional 2 1/2" discharge
- Custom tank sizes

*Additional custom options available,
contact Darley for details.*



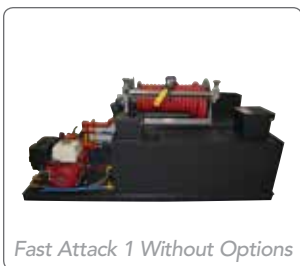
Fast Attack 1



Fast Attack 1
with Options



Build your own skid at darley.com/pumps and email your inquiries to skids@darley.com



Fast Attack 1 Without Options



Fast Attack 1 With Options

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

DIMENSIONS

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

APPLICATIONS

- Wildland/quick attack fire suppression, skid unit, brush fires, water transfer

FEATURES/OPTIONS

- 18 hp Briggs & Stratton or 21 hp Honda Engine
- All stainless steel piping and manifold
- 200 gallon Pro Poly tank
- F4000 Hannay electric rewind reel
- 100' of 1" booster hose
- Self priming up to 19'
- 2½" NST suction adapter
- 1" tank recirculation
- 1½" tank to pump and discharge
- Exhaust primer
- Multiple configurations
- C-channel bases
- Solid pump performance for wildland firefighting
- Fast delivery
- Additional pump options, diesel or gas

PERFORMANCE

1.5AGE18V

- 120 gpm (454 L/M) @ 130 psi (9 bar)
- 100 gpm (379 L/M) @ 170 psi (11.7 bar)
- 25 gpm (95 L/M) @ 270 psi (18.6 bar)

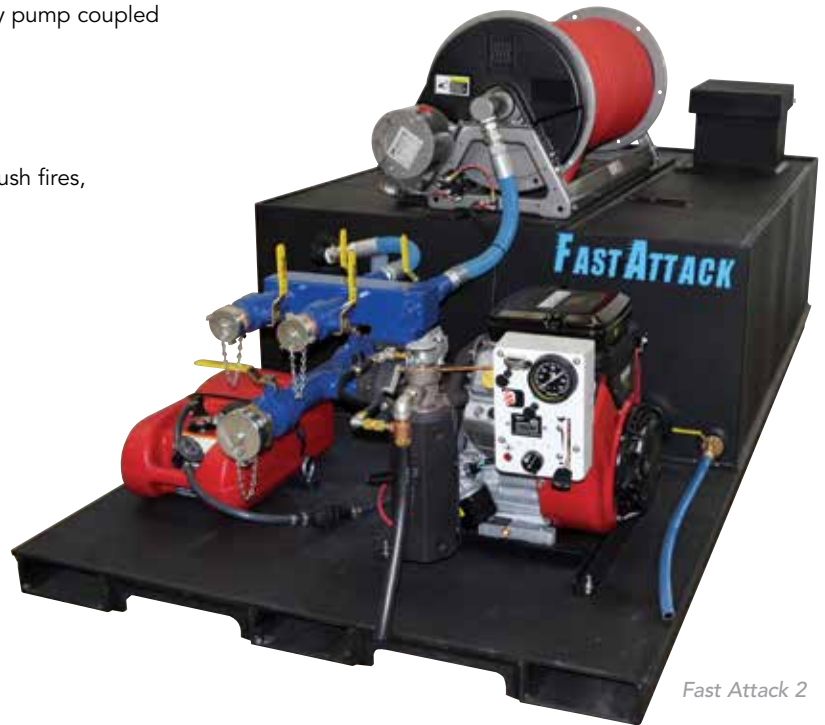
2BE18V

- 375 gpm (1416 L/M) @ 25 psi (1.7 bar)
- 300 gpm (1136 L/M) @ 45 psi (3.1 bar)
- 100 gpm (379 L/M) @ 140 psi (9.7 bar)

OPTIONS

- Water/foam nozzle packages for N.A.F.S.
- Roller and spool hose guide
- Built-in 10 gallon foam cell
- ATP Foam Flurry™ proportioner
- 1½" Mattydale swivel
- Work light
- Poly hose tray
- Additional 2½" discharge
- Diesel Engines
- Additional pump options, diesel or gas
- Custom tank sizes available

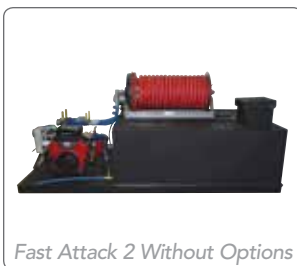
Additional custom options available, contact Darley for details.



Fast Attack 2



Fast Attack 2 with Options



Fast Attack 2 Without Options



Fast Attack 2 With Options

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 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.

ENGINE

- Vanguard: 23 HP gasoline engine

HIGH VOLUME PUMP

- Darley 2BE: Single stage, centrifugal pump, mechanical seal

HIGH PRESSURE PUMP

- CAT 7CP: Belt-driven, plunger pump, foam injection capable

DIMENSIONS

- 46" W x 24½" H x 32"D, 569 lbs. (258 kg)
- Reel Height: 42½"

APPLICATIONS

- Wildland, water transfer, structural attack

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
- Keyed impeller and shaft
- Oversized bearing for longer life
- Exhaust primer
- Industrial strength lightweight aluminum frame
- All stainless plumbing
- Electric rewind Hannay Reel with 200' of ½" hose, full capture leads
- Dual pressure spray gun

PERFORMANCE

INDIVIDUAL FLOWS

UHP

8 gpm (30 L/M) @ 1200 psi (41.4 bar)

2BE23V

275 gpm (1040 L/M) @ 55 psi (3.8 bar)

175 gpm (662 L/M) @ 100 psi (6.9 bar)

45 gpm (170 L/M) @ 140 psi (9.7 bar)

SIMULTANEOUS FLOWS

UHP

3 gpm (11 L/M) @ 600 psi (41.4 bar)

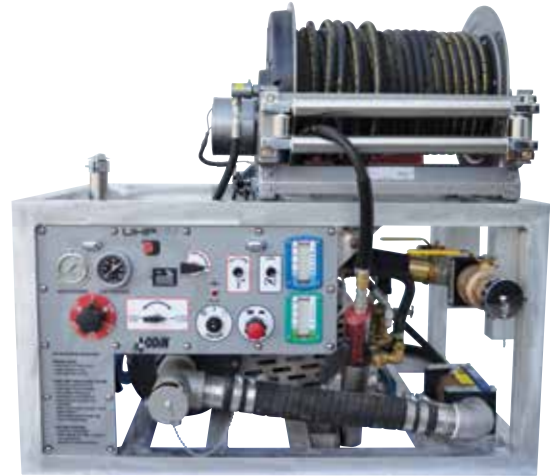
3.5 gpm (13 L/M) @ 780 psi (53.8 bar)

4 gpm (15 L/M) @ 1050 psi (72.4 bar)

2BE23V

110 gpm (416 L/M) @ 125 psi (8.6 bar)

150 gpm (568 L/M) @ 100 psi (6.9 bar)



UHP-HV® DIESEL

SIMULTANEOUS HIGH PRESSURE & HIGH VOLUME WITH A SINGLE ENGINE

ENGINE

- Kubota DH 902: 24 HP diesel engine, 3 cylinder, 12vdc electric start

LOW VOLUME PUMP

- Darley 2BE: High pressure discharge port, 2½" low pressure panel discharge, 2½" direct tank fill, 2½" NPT suction inlet, high and low pressure gauges

HIGH PRESSURE PUMP

- 7CP CAT: Belt driven plunger pump, 8 gpm @ 1200 psi

DIMENSIONS

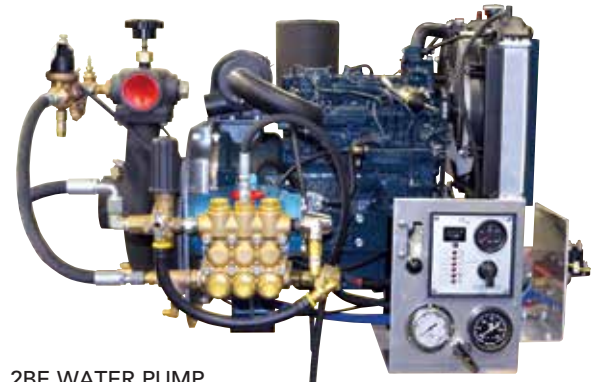
- 46"L (+6" length) x 46"W x 36"H, 1050 lbs. (476 kg)

APPLICATIONS

- Wildland, quick attack, rescue, mop-up

FEATURES

- Frame: Lightweight aluminum with fork lift access
- Stainless steel plumbing
- LOFA electric ignition control with glow plug, warning lights, tachometer and pressure gauge



2BE WATER PUMP

140 gpm (530 L/M) @ 110 psi (7.6 bar)

200 gpm (757 L/M) @ 50 psi (3.4 bar)

HIGH PRESSURE PUMP

8 gpm (30 L/M) @ 1300 psi (89.6 bar)

SIMULTANEOUS FLOWS

100 gpm (379 L/M) @ 100 psi (6.9 bar)

8 gpm (8 L/M) @ 1100 psi (75.8 bar)

PUMP MODULES

DARLEY HAS A WIDE VARIETY OF PTO AND HYDRAULICALLY DRIVEN PUMPS WITH FLOWS UP TO 1500 GPM IDEAL FOR PUMP AND ROLL APPLICATIONS.



FEATURES THAT SET DARLEY MODULES APART



ADDITIONAL FEATURES

- Stainless plumbing and panel standard
- Comprehensive module warranty
- Nearly 100 years of truck building experience

SECTION INDEX

HM 500 SOLUTION SERIES™ MODULE	80
PSP 1250 SOLUTION SERIES™ MODULE	80
PTO MODULES.....	81
MIDSHIP MODULES	81
CAFS MODULES.....	82
PURIFIRE® MODULES	82

PUMP CATEGORIES

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 500-1250 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 truck builder. 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. Also available with additional stages for enhanced decontamination capabilities.

FEATURES

- 500 - 700 lbs. (Dependant on options)
- 4 bolt frame attachment, turnkey package
- PTO driven HM 500
- 4" suction
- 2½" auxiliary 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!



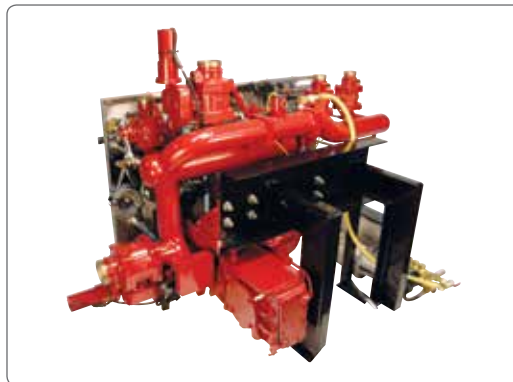
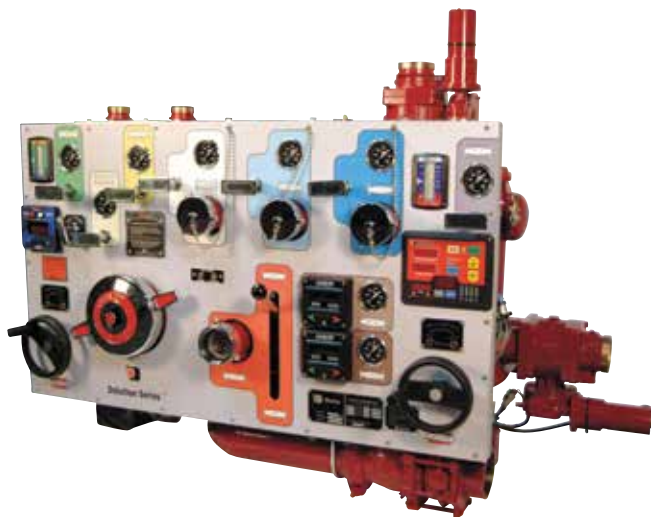
PSP 1250 SOLUTION SERIES™ MODULE

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 (Optional 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



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



HM500 Module
shown with 28" width

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



PSM1250
Module shown

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 fast installation.



4S10F PURIFIRE® MODULE

FIRE TRUCK INTEGRATED WATER PURIFICATION MODULE

The PuriFire® 4S10F is a patent-pending, 4-stage fire apparatus integrated water purification system. It utilizes the fire pump to feed the water purification unit. This unit equips sediment filters, carbon filters, UV and ozone devices to remove toxic substances from floodwater. Key components of this unit are NSF certified, which guarantee the best purification ability and safety to human health.

FIREFIGHTING CAPABILITIES

- NFPA fire pump ratings from 500-3000 gpm
- Split shaft (midship) and PTO driven fire pump modules available
- Top mount side mount modules available
- Fully customizable fire pump module configurations

FEATURES

- Power Source: Fire pump/chassis engine
- Purification Process: 4 stages
- Disinfection: Ultraviolet light and ozone
- Capacity: 10 gpm (14,000 gallons per day)
- Operating Pressure: 90 psi
- Screen strainer
- Pleated or dual-gradient filter

SPECIFICATIONS

- Capacity: 12,000 gallons per day of potable water
- Maximum Feed Water TDS Level: 500 ppm
- Feed Water Pressure Limit: 90 psi
- Spin Down Strainers: 20 micron
- Carbon Filter: 0.5 micron
- High intensity ultraviolet system
- Radial Flow Carbon Filter: 25 micron
- Ozone Static Mixer: 3/4"
- Ozone Injector: 3/4", 200 psi
- Solenoid Flush Valves: 12 vdc, 150 psi

BENEFITS

- Fire truck integrated
- Easy to use and service
- Double disinfection stages
- Easy to retrofit existing Darley pump module to a PuriFire® 4S10F



Operator's Side



Side Profile



Large variety of water purification systems are available to meet your needs

MARINE PUMPS

DARLEY OFFERS A WIDE VARIETY OF MARINE PUMP CONFIGURATIONS INCLUDING PORTABLES, ENGINE DRIVEN, SPLIT SHAFT AND FRONT MOUNT PUMPS.



FEATURES THAT SET DARLEY PUMPS APART

Closed loop marine cooling systems

Water cooled exhaust manifolds

Gasoline and diesel marine engines

Non-corrosive metal

PSDE 1500
Coupled to Kodiak
6.0 Marine Engine

Bronze pump ends

Flows to 3000 gpm

316 stainless shaft and fittings

SECTION INDEX

10 HP DIESEL PORTABLE MARINE PUMP	84
6.5 HP PORTABLE MARINE PUMP	85
2BE 21H MARINE PORTABLE	85
HE 64RP "HERCULES" MARINISED PORTABLE	86
HE 64RS "HERCULES" MARINISED PORTABLE	86
MARINE DIESEL DRIVEN PUMPS 500-1500	87
MARINE GASOLINE DRIVEN PUMPS 500-1500	87
PSF-IC 1000-1500 MARINE FRONT MOUNT	88
ZSF-IC 2500-3000 MARINE	88

PUMP CATEGORIES

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.

HE64R PUMPS

Our HE64R Series or 'Hercules' pumps combine our Direct Drive HE pump with a Rotax 582 engine to create a compact & lightweight yet high performance pump. These pumps produce fire stream capable flows and pressures unparalleled in the portable pump market. Whether skid mounted or in a roll cage portable, the 'Hercules' Pump lives up to it's name.

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.

ZSF-IC PUMPS

Darley's ZSF - IC is the highest flowing intra-cab pump in the market, with ratings from 2500-3000 gpm and ideal for industrial, chemical, aerial, ARFF and fire boat applications.

10 HP DIESEL PORTABLE MARINE PUMP



2BE 10YDN (U.S. NAVY P100)

MEDIUM PRESSURE, HIGH VOLUME, ENGINE MOUNTED

NSN

- 3H-4320-01-387-2869

ENGINE

- 2BE10YDNL100: 4 cycle, 10 HP, 1 cylinder, recoil rope start back-up, optional 12 volt electric start and alternator

DIMENSIONS & WEIGHT

- 24"L x 24"W x 23"H, 163 lbs. (74 kg)

MARINE USE

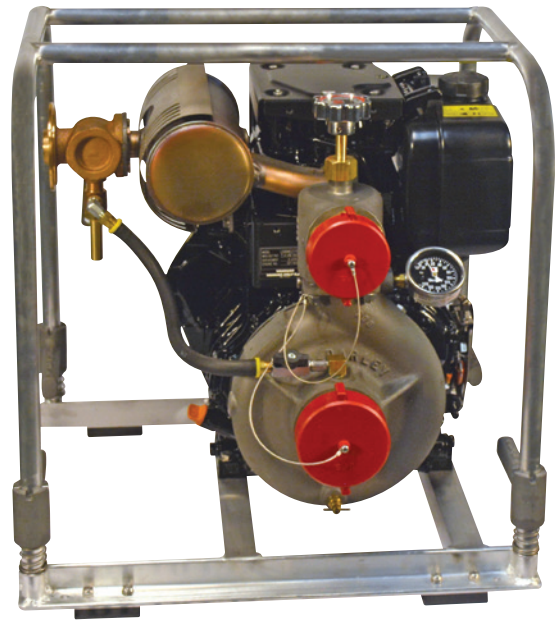
- Firefighting, dewatering

FEATURES

- Bronze or hard anodized pump
- 316 stainless shaft and fittings
- High performance ceramic coating
- Imron painted engine
- Anodized aluminum alloy casing
- Discharge head
- Engine adapter
- Bronze impeller and wear rings
- Stainless steel impeller shaft
- Shredded plastic packing
- Discharge check valve
- Adjustable discharge valve
- Throttle
- Roll cage
- Pressure gauge
- Exhaust primer
- 3" NST suction with cap
- 2½" NST discharge with cap
- 2"x10' engine exhaust hose

PERFORMANCE

250 gpm (946 L/M) @ 20 psi (1.4 bar)
180 gpm (681 L/M) @ 50 psi (4.1 bar)
95 gpm (359 L/M) @ 90 psi (6.2 bar)



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

UNIQUE FEATURES

- OPERATES ON DIESEL OR JET FUEL
- ONE-PULL START, SELF-PRIMING TO 20'
- PASSED RIGOROUS NAVY LAB TESTING



The Darley P100 was used during the USS Cole Disaster

6.5 HP PORTABLE MARINE PUMP



2BE 6.5 HCG PUMP (U.S. COAST GUARD P6)

MEDIUM PRESSURE, HIGH VOLUME, DIRECT DRIVE, ENGINE MOUNTED

NSN

- 4320-01-470-5515

ENGINE

- Honda Model GX200: Air-cooled 4 stroke OHV, single cylinder, 6.5 HP, recoil rope start back-up

DIMENSIONS & WEIGHT

- 18"L x 16"W x 19"H, 49 lbs. (22 kg)

APPLICATIONS

- Dewatering, light truck, transfer and supply

FEATURES

- Horizontal shaft
- Torque 1.35kg-m/2,500 rpm
- Recoil starting system
- Air cooled 4 stroke OHV
- Single cylinder
- 6.5 HP (4.8kW 3600 rpm) max
- Transistorized pointless ignition system
- Fuel tank capacity 6 qt.
- Dual silent air cleaner
- 2011 Carb and EPA Compliant
- 3" cam lock suction
- 3" cam lock discharge

CHOICE OF THE U.S. COAST GUARD



OPTIONS

- Discharge hose
- Container and cover
- Adapters
- Suction hose with strainer

PERFORMANCE

275 gpm (1040 L/M) @ 12 psi (0.8 bar)
175 gpm (662 L/M) @ 28 psi (1.9 bar)
100 gpm (378 L/M) @ 45 psi (3.1 bar)

2BE 21H MARINE PORTABLE

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 & WEIGHT

- 24"L x 27"W x 22"H, 190 lbs. (86 kg)

MARINE USE

- Firefighting, water transfer

FEATURES

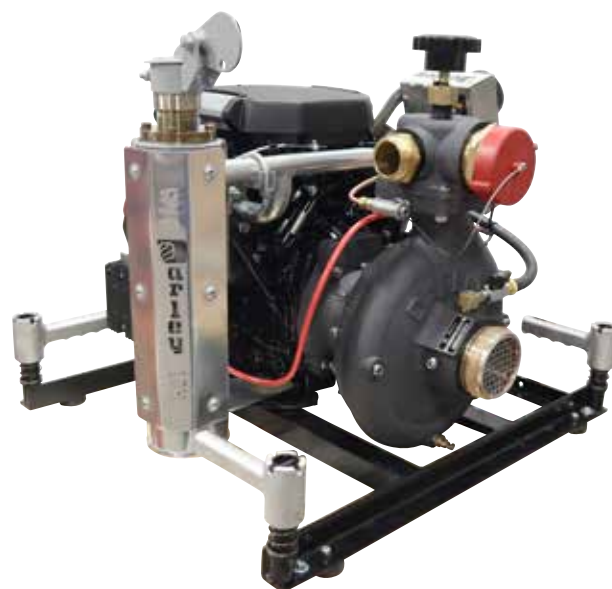
- Bronze or hard anodized pump casing
- 316 stainless shaft and fittings
- High performance ceramic coating on exhaust
- Imron painted engine

OPTIONS

- Roll cage, adapters, gauge, battery, caps and mounted monitor

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)



HE 64RP "HERCULES" MARINE PORTABLE



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

DIMENSIONS & WEIGHT

- 34"L x 30"W x 26"H, 225 lbs. (102 kg)

MARINE USE

- Firefighting, water transfer

FEATURES

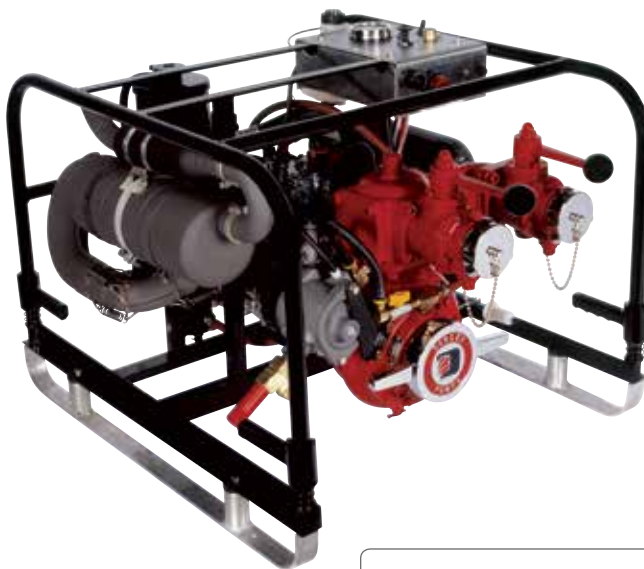
- Bronze or hard anodized pump casing
- 316 stainless shaft and fittings
- High performance ceramic coating on exhaust
- Imron painted engine
- Belt driven rotary primer
- 4" NH suction with screen
- 2-1/4 turn self-locking 2 1/2" NH discharge ball valves with caps

OPTIONS

- Adapters, gauge, battery and caps
- Bronze pump valve

PERFORMANCE

575 gpm (2176 L/M) @ 100 psi (6.9 bar)
320 gpm (1211 L/M) @ 200 psi (13.8 bar)
165 gpm (625 L/M) @ 250 psi (17.2 bar)



HE 64RS "HERCULES" MARINE PORTABLE

ULTRA HIGH PERFORMANCE PORTABLE VERSION

ENGINE

- Rotax 582: Liquid-cooled, 64 HP, 12 volt electric starter, recoil rope start back-up 6 gal. fuel tank, hose and adapter

DIMENSIONS & WEIGHT

- 34"L x 30"W x 26"H, 215 lbs. (199 kg)

MARINE USE

- Firefighting, water transfer

FEATURES

- Bronze or hard anodized pump casing
- 316 stainless shaft and fittings
- High performance ceramic coating on exhaust
- Imron painted engine

FEATURES

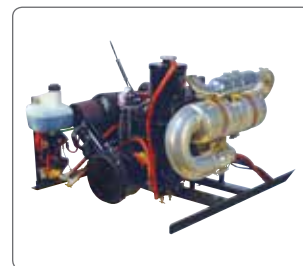
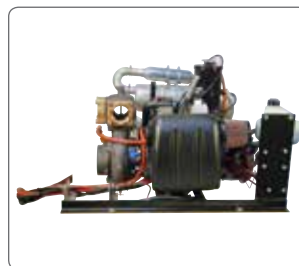
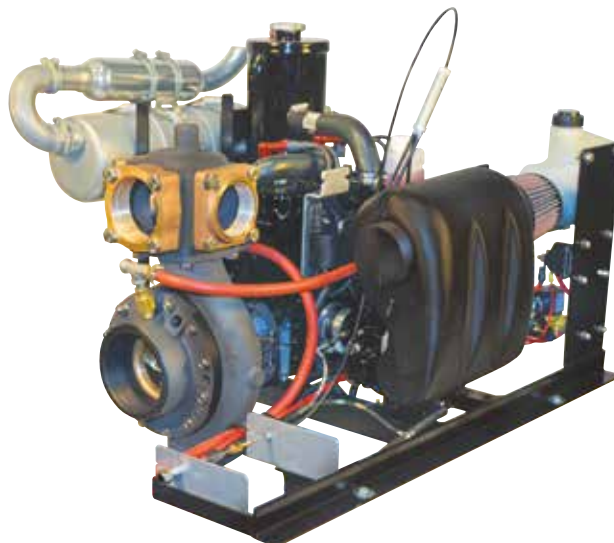
- Control panel with governor, ignition switch and light, starting switch and compound
- 4" NH suction intake with screen
- 3" NPT discharge

OPTIONS

- Adapters, gauge, battery and caps
- Bronze pump valve

PERFORMANCE

575 gpm (2176 L/M) @ 100 psi (6.9 bar)
320 gpm (1211 L/M) @ 200 psi (13.8 bar)
165 gpm (625 L/M) @ 250 psi (17.2 bar)



Darley offers bronze pumps with 316 stainless shaft for marine applications. These marine firefighting pumps can be purchased to be fitted to a customer supplied marine engine or can be purchased pre-coupled and tested with a Darley supplied Steyr marine engine.

DIMENSIONS & WEIGHT

HE 500

- 44.53"L x 26.34"W x 31"H, 560 lbs. (254 kg)

MARINE PUMP UPGRADES

- Bronze pump casing
- 316 stainless shaft and fittings

ENGINE FEATURES

- Direct injection diesel engines
- 4-stroke, turbocharged
- 2.1 ltr displacement
- Power range: 106-120 kW
- Dry weight: 580 lbs (263 kg)
- 85 mm bore, 94 mm stroke
- Dual circuit cooling / fresh water cooling

PERFORMANCE

HE 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)

Darley offers coupled marine engine pumps to 1500 gpm ratings



HE 500 coupled to Steyr se-4 cylinder diesel marine engine



Marine diesel driven pumps utilizing Steyr engines are rated from 500 to 1500 GPM ratings

MARINE GASOLINE DRIVEN PUMPS 500-1500

Darley offers bronze pumps with 316 stainless shaft for marine applications. These marine firefighting pumps can be purchased to be fitted to a customer supplied marine engine or can be purchased pre-coupled and tested with a Darley supplied Kodiak marine engine.

DIMENSIONS & WEIGHT

PSE 1500

- 59.57"L x 31.60"W x 30.26"H, 825 lbs. (374 kg)

MARINE PUMP UPGRADES

- Bronze pump
- 316 stainless shaft and fittings

ENGINE FEATURES

- All Kodiak marine engines come standard with a closed cooling system and GM Marine Fuel Injection (MEFI) control modules
- Pistons have high silicon content for improved durability and noise reduction
- Electronic throttle provides precise idle and instant throttle response
- Water cooled cast aluminum exhaust manifold reduces radiated heat to nearby components
- Riser outlet is hard anodized providing better corrosion protection than iron manifolds

PERFORMANCE

1500 gpm (5678 L/M) @ 150 psi (10.3 bar)

1050 gpm (3975 L/M) @ 200 psi (13.8 bar)

750 gpm (2839 L/M) @ 250 psi (17.2 bar)



PSDE 1500
Coupled to Kodiak 6.0 gasoline Marine Engine



Marine gasoline driven pumps are rated from 500 to 1500 GPM and feature Kodiak GM Power Train marine engines



SINGLE STAGE, MOUNTED PUMP DRIVEN OFF FRONT CRANKSHAFT

DIMENSIONS & WEIGHT

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

APPLICATIONS

- Boat installation, marine fire fighting, vehicle mount

PUMP MARINE UPGRADES

- Bronze pump casing
- 316 stainless shaft and fittings

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)

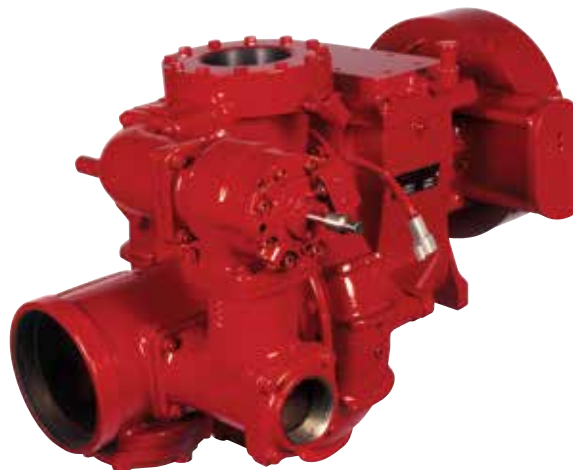
500 gpm (1893 L/M) @ 250 psi (17.2 bar)

PSF-IC 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)



ZSF-IC 2500-3000 MARINE

SINGLE STAGE, CENTRIFUGAL, INTRA-CAB,
SINGLE SUCTION IMPELLER

DIMENSIONS & WEIGHT

- 24" L x 27" W x 31" H, 605 lbs. (274 kg - cast iron)

APPLICATIONS

- Boat installation, marine firefighting

MARINE PUMP UPGRADES

- Bronze pump casing
- 316 stainless shaft and fittings

FEATURES

- 6" weld discharge
- 8" weld flange suction
- Heavy duty 2000 ft. lb. electric clutch
- Shock control module - prevents engaging clutch at high speeds

PERFORMANCE

ZSF - IC 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

ZSF - IC 3000 NFPA Fire Pump

3000 gpm (11,356 L/M) @ 100 psi (6.9 bar)

1500 gpm (5678 L/M) @ 200 psi (13.8 bar)

ZSF - IC 3000 NFPA Fire Pump

3000 gpm (11,356 L/M) @ 150 psi (10.3 bar)

Rated at 3000 gpm for NFPA 1925 type 4 marine rating



Bronze pumps with 316 stainless shafts and fittings are available for PTO, front mount and split shaft configurations from 250 to 3000 GPM ratings

OHLER MILITARY PUMPS



150AAMCFP-1B30CS

ENGINE

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

FEATURES

- Fuel transfer with electric start
- Fuel capacity for 2.5 hours of operation at rated load
- Potable water transfer
- Water transfer
- Pump case, inlet flange, volute, impeller, and wear plate are sand cast aluminum and heat-treated
- Shaft extension and metal seal components constructed of stainless steel
- Anodized aluminum quick couplings
- Self lubricating mechanical shaft seal
- Capacity: 150 gpm @ 60 ft of total head
- 2" suction and discharge openings

PERFORMANCE

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



150AAMCFP-1B30CS

MODEL	NSN	DESCRIPTION
150AAMCFP-1B30CS	4320-01-547-8729	150 gpm Fuel Transfer Pump with 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 with Accessories Package
CGP1B-GX120	4320-01-HS2-3093	Portable Damage Control Pump

LE600

600 GPM FUEL/WATER PUMP ASSEMBLY

NSN

- FUEL: 4320-01-617-7587
- POTABLE WATER: 4320-01-617-7199

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 ft of head
- Far exceeds military requirements of 600 gpm @ 350 ft 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
- 24½ gallon fuel tank capable of 4½ 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

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)

CHOICE OF THE UNITED STATES MARINE CORPS



CUSTOM PUMP SOLUTIONS

HYDRANT BOOSTER



For rural areas with inadequate water pressure, the Darley Self-Testing Hydrant Booster is your solution to boost water supply. The Hydrant Booster can help lower ISO ratings in communities to provide a fast return on investment and peace of mind for everyone.

FEATURES

- Flows available up to 3000 gpm
- Utilizes Darley's patented Self-Testing Technology
- Fully skid mounted
- Full remote internet monitoring
- Panel controls both pumps from a single point of connection, Jockey Pump is controlled by a variable speed VFD controller
- System includes a mechanical bypass so in the unlikely event that the panel board fails, the system would default to mechanical pressure switch control, allowing the pumps to start in the event of a pressure drop.



Contact Darley to create a Custom Pump Solution that fits your needs
@ pumpsales@darley.com

STARTERPAQ™

The StarterPac™ is a packaged pump system including a self-priming, close coupled, end suction pump and basic manifold system. Meets NFPA 13D requirements. 2HP and 3HP options available.

INCLUDES

- Pump, discharge manifold, pressure switch, and pressure gauge

FEATURES

- Meets NFPA 13D requirements
- Ships within 24 hours completely assembled
- Can be used with standard or self-testing control panel options for remote areas
- Optional skid mount
- Purchased direct on darley.com

PUMP OPTIONS

- 1HP StarterPac: Designed for general 30 gpm @ 30 psi and uses 6 amp – 230 motor
- 2HP StarterPac: Designed for general 30 gpm @ 50 PSI and uses an 11amp-230V motor
- 3HP StarterPac: This is designed for general 40 gpm @ 45 PSI and uses an 12amp-230v motor
- 3HP High pressure StarterPac: Designed for general 50 gpm @ 50 psi and uses a 13 amp – 230v motor



Shown With Options

No Options



PLACE YOUR ORDER
@ STARTERPAQ.COM

PUMP ACCESSORIES

DARLEY OFFERS A WIDE RANGE OF PUMP ACCESSORIES FROM CAPS, GAUGES AND VALVES TO PRIMERS, REMOTE START PANELS AND MORE.



FEATURES THAT SET DARLEY PUMPS APART

Darley proudly manufactures these and most other accessories in Chippewa Falls, Wisconsin and Janesville, Iowa manufacturing facilities.



Darley chrome cap



Remote start panel



Control panel for portable gas



Davey roll cage



Darley battery



Smart air display



Smart Start™

SECTION INDEX

ADAPTERS	92
BATTERY & CABLES	92
FUEL TANKS	92
CHROME CAPS & CHAINS	92
DARLEY CONTROL PANEL	92
REMOTE START PANEL	92
ROLL CAGES	92
SPARK ARRESTOR	92
SMART START™	92
REMOTE PACKING ADJUSTMENT CABLE	93
INJECTION PACKING	93
VALVES	93
MASTER DRAIN	93
MULTI-PORT ISOLATED VALVE	93
PUMP OVERHEAT PROTECTION SYSTEM	93
ROTARY VANE PRIMER	93
PUSH/PULL PRIMER VALVE	93
MECHANICAL SEAL	94
MAGNESIUM ANODES	94
SUCTION RELIEF VALVE	94
AUTOCONTROL™ GOVERNOR	94
DISCHARGE RELIEF VALVE	94
SMART PANEL II	94
ELECTRIC BUTTERFLY VALVE W/MANUAL OVERRIDE	95
BUTTERFLY VALVES	95
AUTOCAFS® COMMANDER	95
SMART AIR DISPLAY	95
AIR FLOW METER	95
MAINTENANCE KITS	95
DUPLEX GAUGE	95
ELECTRIC TACH, HAND SPEED COUNTER	95
NOZZLES	95
CAFS VALVE PACKAGES	95

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.

- Dimensions: 7 1/2" L x 5" W x 6" H



PART NUMBER

2605006: Darley Battery & Cables

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.



PART NUMBER

KE00128: Darley 6 Gallon Fuel Tank

KE00129: Darley 3 Gallon Fuel Tank

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.



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.



PART NUMBER

AC01104: Darley Control Panel

REMOTE START PANEL

Remote start control panels are used for diesel engine driven systems, fully assembled and wired.

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



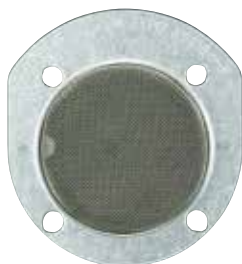
ROLL CAGES

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.



SMART START™

Darley has expanded its Smart Start™ wireless remote portable pump control to include Briggs & Stratton engines. Designed to allow wireless remote controlled start/stop, choke, throttle up and down, and an auxiliary control circuit, this option gives the user infinite flexibility when it comes to pump control. With a transmitter range of over 300', customers have the ability to easily control the pump from inside the cab without bulky control panels and excessive wiring. Standard on-board controls are included with the option. Only available with Darley 18-23 HP gasoline pumps.



REMOTE PACKING ADJUSTMENT CABLE

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



PART NUMBER

AM00100: Remote Packing Adjustment Cable

INJECTION PACKING

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



PART NUMBER

3817104: Injection Packing

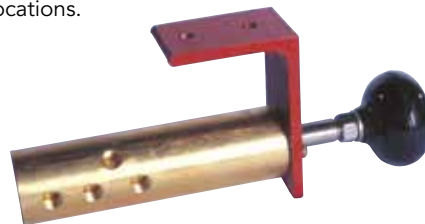
VALVES

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.



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.



PART NUMBER

VD00102: Master Drain

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 pump drainage. Ship wt. 4 lbs.



PART NUMBER

VD00600: Multi-Port Isolated Drain

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.



PART NUMBER

AN00301: Pump Overheat Protection System

ROTARY VANE PRIMER

Positive displacement rotary vane vacuum pump for up 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.



PART NUMBER

AP00950: Fluid-Type Rotary Vane Primer (12 Volt)
AP00951: Fluid-Type Rotary Vane Primer (24 Volt)
AP00960: Fluid-Less Vane Primer (12 Volt)
AP00961: Fluid-Less Vane Primer (24 Volt)

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
- Available as an auto primer



PART NUMBER

VM00310: Push/Pull Primer Valve (12 Volt or 24 Volt)

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.



MAGNESIUM ANODES

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.



PART NUMBER

4419500: Magnesium Anode

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.



PART NUMBER

VR00700: 3" Through 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.



PART NUMBER

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

PART NUMBER

2603145: Darley AutoControl™ Governor, All Engines

4216300: Darley AutoControl™ Governor, Ford 6.0

SMART PANEL II

The feature-rich system allows extraordinary control of any firefighting pump. Its four main components include a main display, controlling computer, and two quarter-inch male NPT pressure transducers. These can be easily integrated into an electronic controlled engine, providing control via the SAE J1939 electronic control logic.

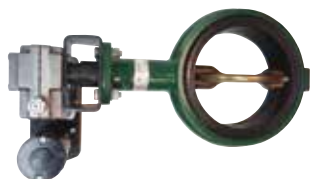


- Engine speed
- Engine coolant temperature
- Engine oil temperature
- 29.9 in/Hg suction vacuum to
- 300 psig pump intake pressure

- Accumulated engine hours
- Battery voltage
- 0-500 psig pump discharge pressure
- Pump operating hours

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.



AUTOCAPS® COMMANDER

The AutoCAPS® Commander control system indicates and operates all CAFS functions and system information.



SMART AIR DISPLAY

The all new PTO Controller features a 4.3" (109mm) LED display screen with full instrumental readings included. This new control panel has visual and audio notifications for maintenance reminders and alerts. The compact display screen with a heavy duty electrical harness allows for easy installation and high durability.



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.



PART NUMBER

2603301: 150 cfm Box Style

2603302: 250 cfm Box Style

2603303: 250 cfm Box Style with Digital Output

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.



DUPLEX GAUGE

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



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.



PART NUMBER

AT00201: Electric Tach and Hand Speed Counter

NOZZLES

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



CAFS VALVE PACKAGES

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



DARLEY PUMP DIVISION EMPLOYEES



Paul Darley
President & CEO
pauldarley@darley.com



Jeff Darley
Executive VP/COO
jeffdarley@darley.com



Peter Darley
Executive VP/COO
peterdarley@darley.com



Jim Darley
Pump Sales Manager
jimdarley@darley.com



Jason Darley
North American Pump
Sales Manager
jasondarley@darley.com



Ryan Darley
International Pump Sales Mgr.
ryanarley@darley.com



Kyle Darley
Design Engineer
kyledarley@darley.com



William Darley
Export Sales
willdarley@darley.com



Robert Bond
General Manager
Ohler Pump/ODIN Foam Division
robertbond@darley.com



Mark Baker
General Manager
markbaker@darley.com



Wayne Hable
Director of Engineering
waynehable@darley.com



Tim Dewitz
Senior Product Designer
timdewitz@darley.com



Amanda Normand
Design Engineer
amandanormand@darley.com



Shane Sullivan
Design Engineer
shanesullivan@darley.com



Daniel Miller
Technical Support Engineer,
ODIN Foam Division
danmiller@darley.com



Greg Field
Mechanical Engineer
gregfield@darley.com



Brian Hanson
Electrical Engineer
brianhanson@darley.com



Steve Chamberlin
Engineer, ODIN Foam Division
stevechamberlin@darley.com



Lairy Normand
Sales Application Engineer
lairynormand@darley.com



Brent Potaczek
Quality Control Manager
brentpotaczek@darley.com



Gene Normand
Production Manager
genenormand@darley.com



Mike Severson
Scheduling Manager
mikeseverson@darley.com



Rich Anderson
Materials Mgmt. Coordinator
richanderson@darley.com



Dennis Harp
Purchasing Agent
dennissharp@darley.com



Shelly Falkner
Purchasing
shellyfalkner@darley.com



John Long
Systems Administrator
johnlong@darley.com



Elesha Schimmel
Production Control Asst.
eleshaschimmel@darley.com



Todd Bresina
Customer Service Manager
toddbresina@darley.com



Troy Carothers
AutoCFS Manager
troycarothers@darley.com



Fred Reiter
Customer Service
fredreiter@darley.com



Jack Moore
Inside Pump Sales
jackmoore@darley.com



Ron Voisard
Export Sales
ronvoisard@darley.com



Paul Danielson
Customer Service
pauldanielson@darley.com



Steve Lee
Sales Application Engineer
stevelee@darley.com



Mandy Hrdlicka
Receptionist, C.S. Asst. Pumps
mandyhrdlicka@darley.com



Trevor Wing
Australia Pump Sales Mgr.
twing@picknowl.com.au



Damian Wing
Australia Pump Sales Mgr.
dwing@chariot.net.au



Kevin O'Sullivan
New Zealand Pump Sales Mgr.
kevinosullivan@darley.com



Bo Zhang
China Pump Sales Mgr.
bozhang@wsdarley.com.cn



Eulando Piñero
Latin America Pump Sales Mgr.
eulandopinero@darley.com



Mark Biernat
Canada Pump Sales Mgr.
mbiernat@ican.net



Marius Koekemoer
Africa Pump Sales Mgr.
mariuskoekemoer@darley.com

