Reduced whole life cost of ownership

The rising cost of maintenance was a major priority when designing the KP series.

• Optional oil used in the gearbox can have a 5 year maintenance interval in order to save time and reduce costs
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• The primer’s state-of-the-art construction means only one piston is required

Small in size, lighter than the competition

Single Pressure

KP1

Competitor A

Competitor C

Competitor B

Competitor D

KP2

168 LB

132 LB

220 LB

278 LB

220 LB

201 LB

132 LB

115 LB

Dual Pressure

KP1

Competitor A

Competitor B

Competitor C

KP2

168 LB

220 LB

220 LB

201 LB

132 LB

115 LB

Key Performance Features

<table>
<thead>
<tr>
<th>PERFORMANCE DATA</th>
<th>KP1</th>
<th>KP2</th>
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<tr>
<td>100% Rated Performance</td>
<td>250 GPM</td>
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</tr>
<tr>
<td>Maximum Outlet Pressure – High Pressure</td>
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<td>790 PSI</td>
</tr>
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<td>1250 rpm</td>
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</tr>
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All weights and dimensions are based on the standard build configuration.

Gear Ratio Available - 1:90:1, 2:30:1, 2.91:1
Suction Flange - DIN 175, DN 100
Discharge Flange - 115, DN 65
Drive Flange - SAE 1410, DIN 100

Proudly ISO 9001 and ISO 14001 certified
High Performance
The Hale KP series of rear or midship mounted PTO driven centrifugal fire pumps offers the ultimate in unrivaled performance up to 500 GPM because only the KP offers both a single-pressure and multi-pressure option, reduced while life cost of ownership, is easily installed and maintained in the smallest, lightest package in the market.

Big on performance
The KP pump comes configured as an NFPA 1901 single pressure pump at 500 GPM. It is also offered as an industry leading multi-pressure pump at 500 GPM for normal pressure and 90 GPM at 800 PSI for high pressure. High pressure variants are capable of flowing up to 106 GPM at 800 PSI.

When size matters
With the KP series there is no compromise between performance and size. Now you can select a single or a multi-pressure pump with one of the most compact footprints in the industry. In fact the KP single pressure pump is on average 40% smaller in cubic volume than the competition and the multi-pressure pump is on average 30% smaller in cubic volume than the comparable multi-pressure pumps. This frees up valuable space on the vehicle to carry more equipment or reduce the overall payload of the vehicle.

In addition to size we have made the KP pump significantly lighter. In fact the KP single-pressure pump is on average 30% lighter and the KP multi-pressure pump is on average 25% lighter than the competition.

The size and weight advantage between the KP pump and the competition makes it ideally suited for today’s compact vehicle designs. It is now possible to install a high performance pump in a vehicle as small as 3.5 ton.

Small In Size
The KP pump is engineered symmetrical around the centerline. This makes the location of discharges for clockwise and counter-clockwise rotation pumps identical, greatly simplifying the installation time and costs.

In addition to being symmetrical the volute is offered in the standard, vertical orientation but can also be ordered with the discharge to the left or right (Single-pressure model only).

Low Cost Of Ownership
To reduce downtime and maintenance costs the gearbox design incorporates elements that allow the oil changes to only once every 5 years, when installed and operated in accordance with our O&M instructions.

The high pressure stage of the KP pump is designed to discharge up to 106 GPM allowing the end user to operate multiple high pressure hose reels at the same time.

Available in light alloy or bronze versions.

The standard inclusion of a gearbox allows the KP pump to be installed in virtually every commercial chassis in the market. Even with the addition of the gearbox we are still lighter and smaller than the competition. In order to fit the various chassis’ the gearbox can be mounted in the down, left or right position, as shown below. In addition there are three gearbox ratios available to suit most engine and PTO applications.

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Small in size, lighter than the competition

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<th>Dual Pressure</th>
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<tr>
<td>KP1</td>
<td>KP2</td>
</tr>
<tr>
<td>115 LB</td>
<td>148 LB</td>
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<tr>
<td>132 LB</td>
<td>275 LB</td>
</tr>
<tr>
<td>201 LB</td>
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<th>KP2</th>
</tr>
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<td>NFPA 1901 Rated Performance</td>
<td>500 GPM</td>
<td>500 GPM</td>
</tr>
<tr>
<td>Maximum Outlet Pressure – High Pressure</td>
<td>N/A</td>
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<td>Dimensions – LxWxH (in)</td>
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All weights and dimensions are based up on the standard build configuration.

- Gear Ratios Available - 1.90:1, 2.33:1, 2.91:1
- Suction Flange - DIN 175, DN 100
- Discharge Flange - 115, DN 65
- Drive Flange - SAE 4140, DIN 100

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