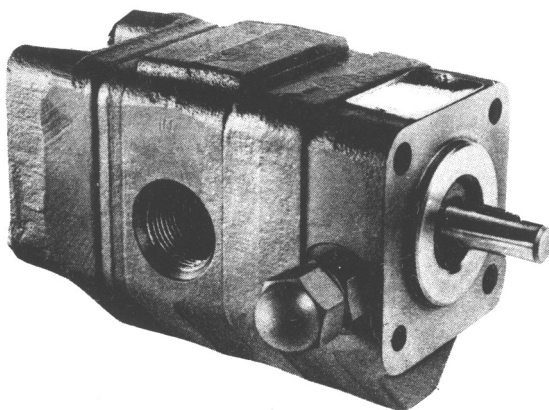


200 Series

Hi-Lo Logsplitter Pumps



5 H.P. VERSION (MODEL - 4081)



These pumps have been designed specifically for log splitter applications but are equally adaptable for presses and other similar applications where performance within the capacity of a 5HP petrol engine is required.

By virtue of their design they provide a high flow at low pressures and at around 500 psi (35 bar) automatically switch to low flow mode up to a maximum pressure of 3000 psi (207 bar). Thus they will give a cylinder a fast approach speed at little or no load and slow for the working part of the cycle until the load again reduces when the pump will again automatically switch to the high flow mode.

GENERAL SPECIFICATIONS

MATERIAL

Body	Cast Iron
Gears	Hardened Alloy Steel
Shafts	Case Hardened Steel
Bushes	Leaded Bronze
Seals	Nitrile

PERFORMANCE

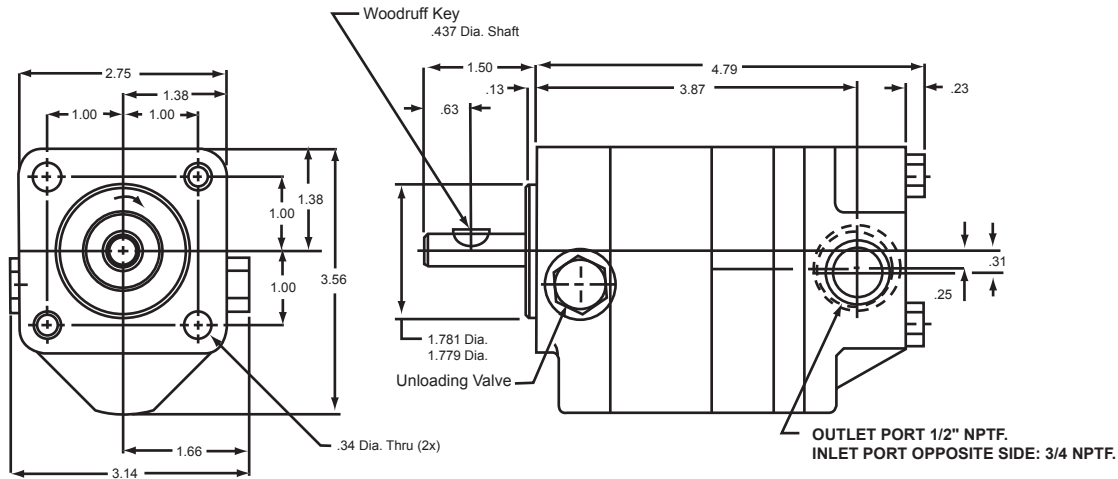
Displacement - Low flow module.....	0.203 cu.in./rev (3.3 cc/rev)
High flow module	0.501 cu.in./rev (8.2 cc/rev)
Total Displacement	0.704 cu.in./rev (11.5 cc/rev)
Flow @ 3600 rpm (Low Pressure).....	11 US gpm (41.7 litres/min)
Maximum Pressure.....	3000 psi (207 bar)
Switching sequence (Hi>Lo Flow) Pressure.....	500 psi (35 bar) Approx.
Temperature Range.....	10°C to 65°C
Maximum Speed.....	3800 RPM
Rotation	Right Hand (Clockwise)
Weight	4.6 kg

200 Series

Hi-Lo Logsplitter Pumps



DIMENSIONAL DETAILS For L62 & 4081



INSTALLATION RECOMMENDATIONS

MOUNTING

The pump must only be driven via a flexible coupling which must not be forced on to the pump shaft. The pump and engine shafts should be precisely aligned with an allowance of axial clearance for expansion. The pump should be mounted to a bracket with two 5/16" screws and torqued to 13-17 ft lbs. The suction hose should be a minimum of 3/4" bore, as short and as straight as possible. Liquid Hydraulic sealant or paste should be used on suction and delivery port adaptor fittings rather than teflon tape. Care must be taken to ensure that the fittings are not over-tightened thus damaging the pump body.

OIL

The system must be thoroughly clean before adding oil. A good quality hydraulic oil or Automatic Transmission Fluid should be used. Do not use motor oil. A filter is recommended and if possible a suction strainer of at least 100 mesh on the suction line.

When in use the operating temperature should be maintained between 10°C and 65°C. Do not deadhead the cylinder for more than a few seconds at a time as this causes rapid heat rise. Do not run with low oil level or foaming oil. The reservoir should be vented via a breather.

NOTE:

The pump sequence valve is non adjustable and factory set. It is not a relief valve and does not control system pressure. **DO NOT ATTEMPT TO CHANGE THE SETTING.**

HOW TO ORDER

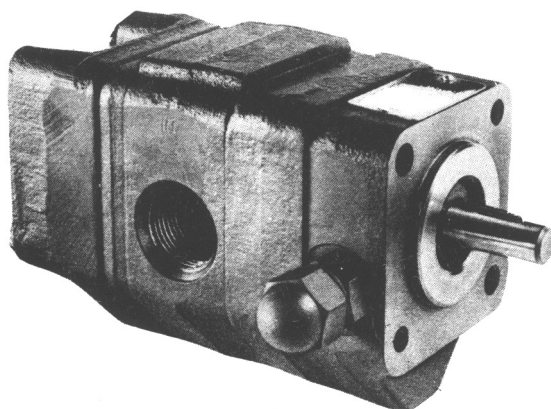
Type	<u>L62</u>	3 HP
Type	<u>4081</u>	5 HP

200 Series

Hi-Lo Logsplitter Pumps



6.5 H.P. VERSION (MODEL - 5184)



These pumps have been designed specifically for log splitter applications but are equally adaptable for presses and other similar applications where performance within the capacity of a 5HP petrol engine is required.

By virtue of their design they provide a high flow at low pressures and at around 500 psi (35 bar) automatically switch to low flow mode up to a maximum pressure of 3000 psi (207 bar). Thus they will give a cylinder a fast approach speed at little or no load and slow for the working part of the cycle until the load again reduces when the pump will again automatically switch to the high flow mode.

GENERAL SPECIFICATIONS

MATERIAL

Body	Cast Iron
Gears.....	Hardened Alloy Steel
Shafts	Case Hardened Steel
Bushes.....	Leaded Bronze
Seals.....	Nitrile

PERFORMANCE

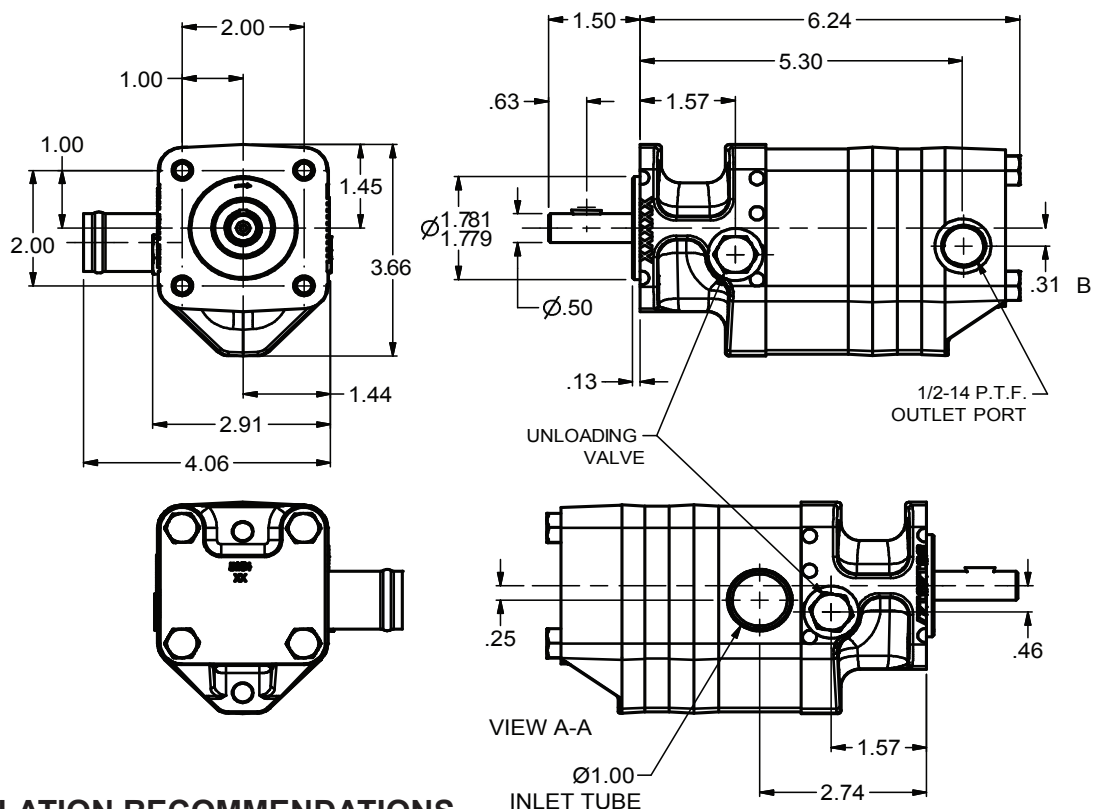
Displacement - Low flow module.....	0.192 cu.in./rev (3.1 cc/rev)
High flow module.....	0.647 cu.in./rev (10.5 cc/rev)
Total Displacement.....	0.839 cu.in./rev (13.7 cc/rev)
Flow @ 3600 rpm (Low Pressure).....	13 US gpm (49 litres/min)
Maximum Pressure.....	3000 psi (207 bar)
Switching sequence (Hi>Lo Flow) Pressure.....	500 psi (35 bar) Approx.
Temperature Range.....	10°C to 65°C
Maximum Speed.....	3600 RPM
Rotation.....	Right Hand (Clockwise)
Weight.....	4.6 kg

200 Series

Hi-Lo Logsplitter Pumps



DIMENSIONAL DETAILS for 5184



INSTALLATION RECOMMENDATIONS

MOUNTING

The pump must only be driven via a flexible coupling which must not be forced on to the pump shaft. The pump and engine shafts should be precisely aligned with an allowance of axial clearance for expansion. The pump should be mounted to a bracket with two 5/16" screws and torqued to 13-17 ft lbs. The suction hose should be a minimum of 3/4" bore, as short and as straight as possible. Liquid Hydraulic sealant or paste should be used on suction and delivery port adaptor fittings rather than teflon tape. Care must be taken to ensure that the fittings are not over-tightened thus damaging the pump body.

OIL

The system must be thoroughly clean before adding oil. A good quality hydraulic oil or Automatic Transmission Fluid should be used. Do not use motor oil. A filter is recommended and if possible a suction strainer of at least 100 mesh on the suction line.

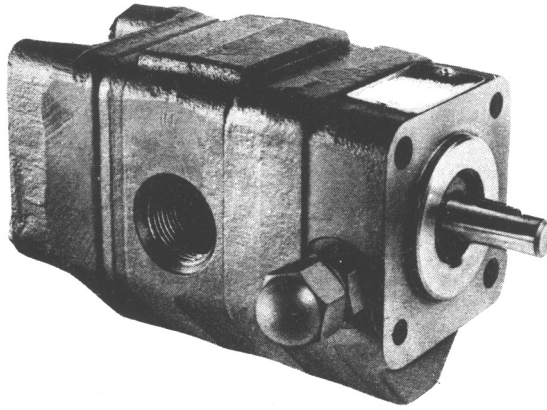
When in use the operating temperature should be maintained between 100°C and 65°C. Do not deadhead the cylinder for more than a few seconds at a time as this causes rapid heat rise. Do not run with low oil level or foaming oil. The reservoir should be vented via a breather.

NOTE:

The pump sequence valve is non adjustable and factory set. It is not a relief valve and does not control system pressure. **DO NOT ATTEMPT TO CHANGE THE SETTING.**

HOW TO ORDER

Type **5184**



By virtue of their design they provide a high flow at low pressures and at around 500 psi (35 bar) automatically switch to low flow mode up to a maximum pressure of 3000 psi (207 bar). Thus they will give a cylinder a fast approach speed at little or no load and slow for the working part of the cycle until the load again reduces when the pump will again automatically switch to the high flow mode.

Body	Cast Iron
Gears	Hardened Alloy Steel
Shafts	Case Hardened Steel
Bushes	Leaded Bronze
Seals	Nitrile

Displacement - Low flow module.....	0.192 cu.in./rev (3.1 cc/rev)
High flow module.....	0.802 cu.in./rev (13.1 cc/rev)
Total Displacement.....	0.99 cu.in./rev (16.2 cc/rev)
Flow @ 3600 rpm (Low Pressure).....	15 US gpm (58 litres/min)
Maximum Pressure.....	3000 psi (207 bar)
Switching sequence (Hi>Lo Flow) Pressure.....	500 psi (35 bar) Approx.
Temperature Range.....	10°C to 65°C
Maximum Speed.....	3600 RPM
Rotation.....	Right Hand (Clockwise)
Weight.....	5.5 kg

Hi-Lo Logsplitter Pumps



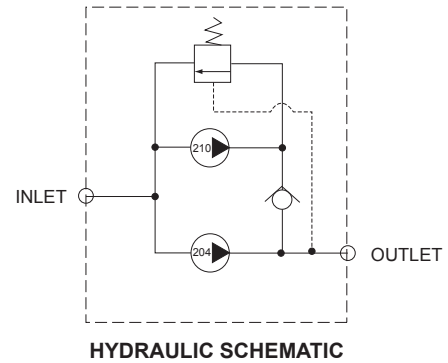
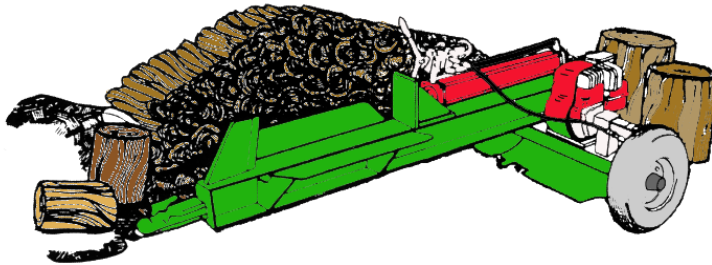
Section 8.171

300 Series

Hi-Lo Logsplitter Pumps



10 H.P. VERSION (MODEL - 4171)



These pumps have been designed specifically for log splitter applications but are equally adaptable for presses and other similar applications where performance within the capacity of a 10HP petrol engine is required.

By virtue of their design they provide a high flow at low pressures and at around 600 psi (42 bar) automatically switch to low flow mode up to a maximum pressure of 3500 psi (241 bar). Thus they will give a cylinder a fast approach speed at little or no load and slow for the working part of the cycle until the load again reduces when the pump will again automatically switch to the high flow mode.

GENERAL SPECIFICATIONS

MATERIAL

Body	Cast Iron
Gears.....	Hardened Alloy Steel
Shafts	Case Hardened Steel
Bushes.....	Leaded Bronze
Seals.....	Nitrile

PERFORMANCE

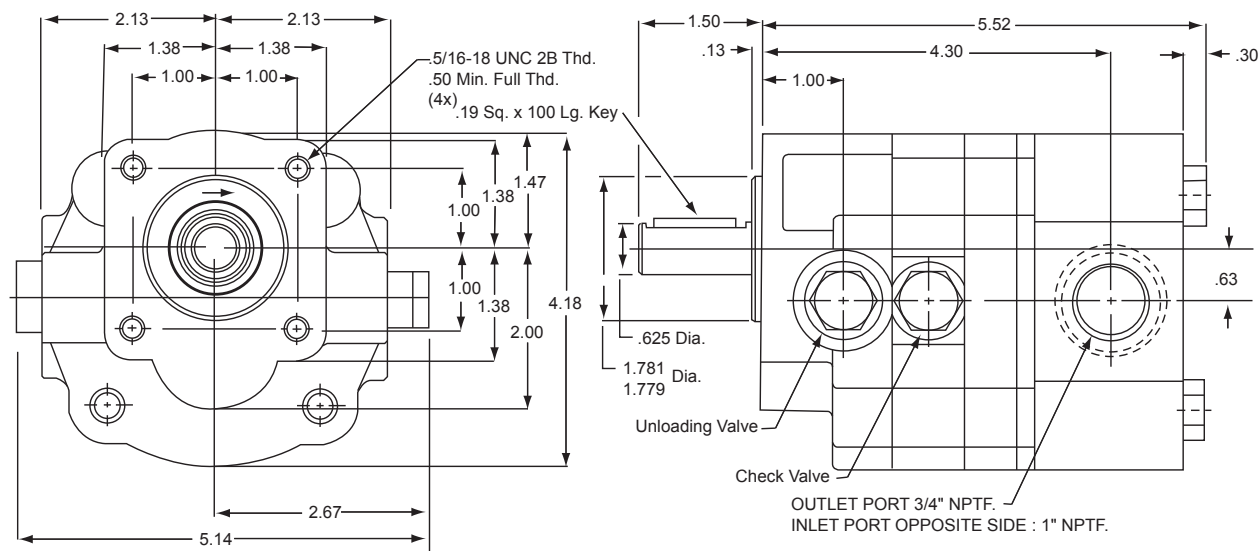
Displacement - Low flow module	0.226 cu.in./rev (3.7 cc/rev)
High flow module	0.879 cu.in./rev (14.4 cc/rev)
Total Displacement	1.105 cu.in./rev (18.1 cc/rev)
Flow @ 3600 rpm (Low Pressure).....	17.2 US gpm (65 litres/min)
Maximum Pressure.....	3500 psi (241 bar)
Switching sequence (Hi>Lo Flow) Pressure.....	600 psi (42 bar) Approx.
Temperature Range.....	10°C to 65°C
Maximum Speed.....	3600 RPM
Rotation	Right Hand (Clockwise)
Weight	8.1 kg

300 Series

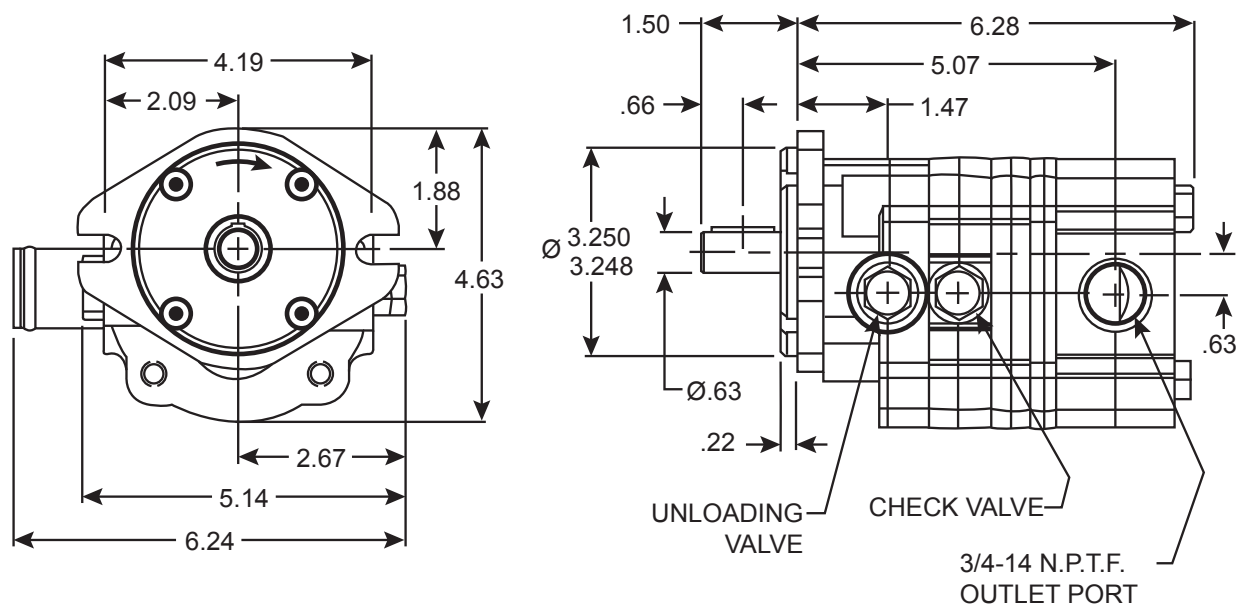
Hi-Lo Logsplitter Pumps



DIMENSIONAL DETAILS For 4171 - 10 HP



DIMENSIONAL DETAILS For 5278 - 13 HP

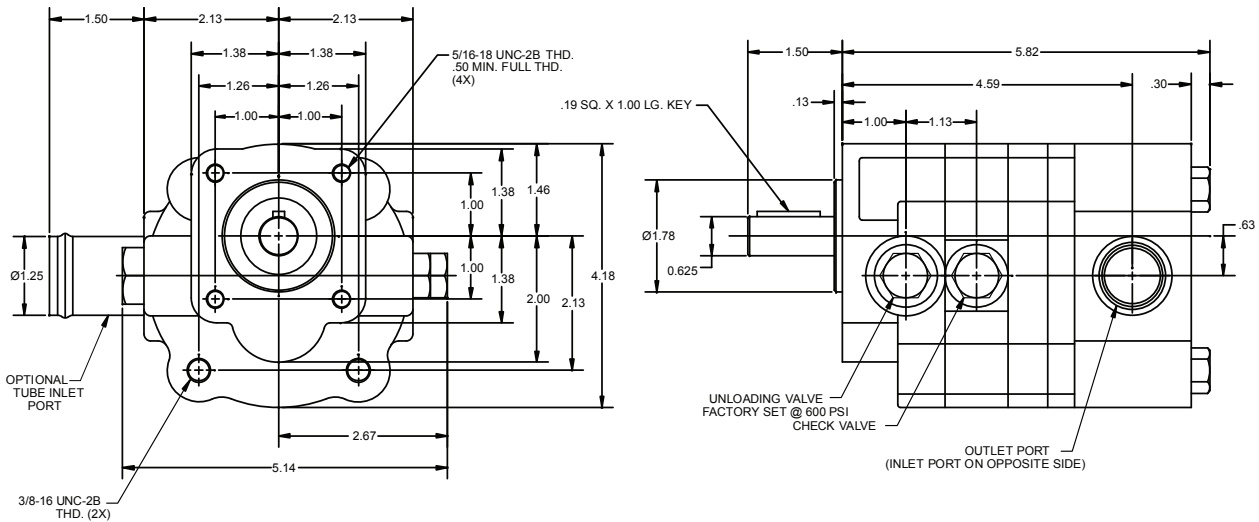


300 Series

Hi-Lo Logsplitter Pumps



DIMENSIONAL DETAILS For L262 - 16 HP



INSTALLATION RECOMMENDATIONS

MOUNTING

The pump must only be driven via a flexible coupling which must not be forced on to the pump shaft. The pump and engine shafts should be precisely aligned with an allowance of axial clearance for expansion. The suction hose should be a minimum of 1-1/4" bore, as short and as straight as possible. Liquid Hydraulic sealant or paste should be used on suction and delivery port adaptor fittings rather than teflon tape. Care must be taken to ensure that the fittings are not over-tightened thus damaging the pump body.

OIL

The system must be thoroughly clean before adding oil. A good quality hydraulic oil or Automatic Transmission Fluid should be used. Do not use motor oil. A filter is recommended and if possible a suction strainer of at least 100 mesh on the suction line.

When in use the operating temperature should be maintained between 10°C and 65°C. Do not deadhead the cylinder for more than a few seconds at a time as this causes rapid heat rise. Do not run with low oil level or foaming oil. The reservoir should be vented via a breather.

NOTE:

The pump sequence valve is non adjustable and factory set. It is not a relief valve and does not control system pressure. **DO NOT ATTEMPT TO CHANGE THE SETTING.**

HOW TO ORDER

Type	<u>4171</u>	10 HP
Type	<u>5278</u>	13 HP
Type	<u>L262</u>	16 HP

Logsplitters Kits

Hydraulic Logsplitters Kits



Hydraulic Log-Splitter Kits

LS5	5 HP Log-Splitter Kit <i>Comprising:</i> • 4081 5 HP Log-splitter Pump • CD11EGDO Log-splitter Valve c/w Auto Kick Out • BF4 Bell Housing • LOV075 Engine / Pump Coupling Assembly • FA1200-10 Filter Assembly • TR1 Filler / Breather • OMT03912 Suction Strainer
LS10	10 HP Log-Splitter Kit <i>Comprising:</i> • 4171 10 HP Log-splitter Pump • CD11EGDO Log-splitter Valve c/w Auto Kick Out • BF3 Bell Housing • LOV095 Engine / Pump Coupling Assembly • FB1200-10 Filter Assembly • TR2 Filler / Breather

