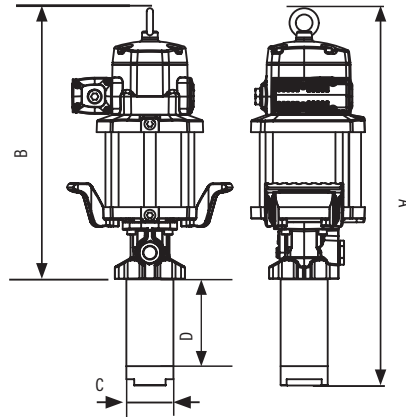


# Oil Piston Pumps

## Lion™ 600 - 6:1 Pump



Dimensions inches (MM)			
A	B	C	D
28 3/8" (721 mm)	20 23/64" (517 mm)	3 35/64" (90 mm)	8 1/32" (204 mm)

## Synthetic and Mineral Based Lubricants Hydraulic Fluid Gear Oil Transmission Fluid

Medium/high pressure pump for oil systems where high volume dispensing using simultaneous dispense points is required. This pump operates at slow cycle rates for high volume applications. Medium/high pressure pump is recommended for longer pumping distances.

### Applications

- Heavy duty truck/fleet
- Railroad/mass transit vehicle maintenance
- In-plant high volume transfer
- Marine
- Mining vehicle maintenance
- Large automotive dealerships

**Pressure relief valve kit included with this pump.**

**Wall or floor mount only. Pump OD does not fit 2" bung adapter. See pg. 32 for mounting bracket (4411-031).**

TECHNICAL DATA	
Operating air pressure	30 to 175 psi (2 to 12 bar)
Cycles per gallon	6
Air Consumption <sup>(1)</sup>	39 CFM (1,100 NI/min)
Max fluid outlet pressure <sup>(3)</sup>	1,020 psi (72 bar)
Air motor effective diameter	6" (150 mm)
Air motor stroke	4" (100 mm)
Delivery at 60 cpm	9 gal/min (35 l/min)
Max free flow delivery	26 gal/min (100 l/min)
Air inlet	1/2" NPT(F)
Fluid inlet	1 1/2" NPT(F)
Fluid outlet	3/4" NPT(F)
Wetted materials	Cast Iron, Aluminum, Nickel, Steel, Polyurethane, Buna-N™, and Zinc
Noise level <sup>(2)</sup>	80 dB
Service Bulletin	SB 1137

- (1) Maximum air consumption with 75 psi (5 bar) air inlet pressure and 80 cpm.
- (2) Maximum noise level measured at 3' (1 m) from the pump, 100 psi (7 bar) air pressure and free delivery.
- (3) Ensure that all hose fittings and piping are rated for fluid outlet pressures. Balcrank recommends a minimum of 3x safety factor.

NOTE: Thermal expansion of the fluid in a distribution system can cause an increase in system pressure that can damage lubrication system components. Use pressure relief valve kit included with this pump.

**Warning!** Do not use any Lion™ 450/600 series products with flammable fluids.

Verify fluid compatibility with MSDS sheets.

Contact Balcrank for specific system design performance and technical data.

MODELS AVAILABLE	DESCRIPTION
<b>1430-005</b>	Lion™ 600 6:1 stub pump

### TEST FLUID: SAE 10

Cycles/min

