

LD Series 3:1 Pump

Air-Powered Oil Pumps and Packages

Features and Benefits

- Built-in thermal relief protects your equipment from thermal expansion
- Three inch air motor provides more power to create better flow
- Cup and plate design eliminates the need for O-rings that wear out faster

Typical Applications

- Lubricant transfer
- Automotive dealerships
- Fast lube centers
- Service shops
- Lube trucks

Typical Fluids Handled

- Petroleum- and synthetic-based oils

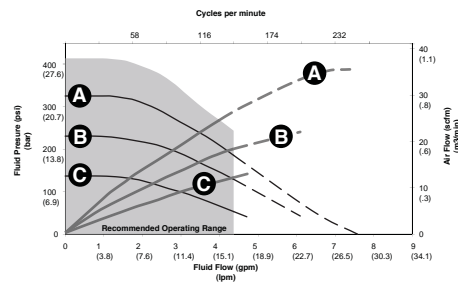
Technical Specifications

Maximum Fluid Working Pressure	450 psi (31 bar, 3.10MPa)
Fluid Pressure Ratio	3:1
Suction Lift (feet of oil)	10
Air Operation Range	20 to 150 psi (1.37 to 10.3 bar)
Recommended Air Pressure (for optimum life)	<125 psi (8.6 bar, 0.86 MPa)
Max Recommended Pump Speed	120 cycles per minute
Cycles Per Gallon/pound (l/kg)	29 cycles per gallon (7 cycles per liter)
Recommended Pump Speed (for maximum life)	75 cycles per minute or lower
Wetted Parts	Zinc plated carbon, steel, aluminum, nitrile, polyurethane, nickel plated aluminum
Sound Pressure Level	72.9 dB(a)
Sound Power Level	82 dB(a)
Approximate Weight	7 pounds (3.2 kg)
Air Inlet	1/4 in
Fluid Inlet	1 in
Fluid Outlet	1/2 in
Free Flow	7.8gpm
Annual Usage	Up to 20,000 gal (76,000 l)

Ordering Information

LD Series 3:1 Pumps	
24G576	3:1 Universal Oil Pump with Bung Adapter (24F918)
24G579	3:1 Oil Pump with Cut to length Down Tube, and Bung Adapter (24F918)
24G582	3:1 Oil Pump with 55 gallon (200 liter) Down Tube and Bung Adapter (24F918)
24G585	3:1 Oil Pump with 275 gal (1040 liter) Down Tube and Bung Adapter (24F918)

Pump Performance



LD Series 3:1 Pump

LD Series 5:1 Pump

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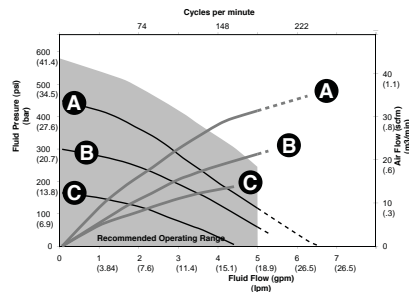
Technical Specifications

Maximum Fluid Working Pressure	750 psi (51.7 bar, 5.17MPa)
Fluid Pressure Ratio	5:1
Suction Lift (feet of oil)	10
Air Operation Range	20 to 150 psi (1.37 to 10.3 bar)
Recommended Air Pressure (for optimum life)	<125 psi (8.6 bar, 0.86 MPa)
Max Recommended Pump Speed	180 cycles per minute
Cycles Per Gallon/pound (l/kg)	37 cycles per gallon (10 cycles per liter)
Recommended Pump Speed (for maximum life)	75 cycles per minute or lower
Wetted Parts	Zinc plated carbon, steel, aluminum, nitrile, polyurethane, nickel plated aluminum
Sound Pressure Level	72.9 dB(a)
Sound Power Level	82 dB(a)
Approximate Weight	7.7 pounds (3.5 kg)
Air Inlet	1/4 in
Fluid Inlet	1 in
Fluid Outlet	1/2 in
Free Flow	6.7gpm
Annual Usage	Up to 20,000 gal (76,000 l)

Ordering Information

LD Series 5:1 Pumps	
24G588	5:1 Universal Oil Pump with Bung Adapter (24F918)
24G591	5:1 Oil Pump with Cut to Length Down Tube and Bung Adapter (24F918)
24G594	5:1 Oil Pump with 55gal (200 liter) Down Tube and Bung Adapter (24F918)
24G597	5:1 Oil Pump with 275 gal (1040 liter) Down Tube and Bung Adapter (24F918)

Pump Performance



LD Series 5:1 Pump

LD Series Pump Packages

Air-Powered Oil Pumps and Packages

Ordering Information

3:1 Wall Mount Packages	
24H689	3:1 Oil Wall Mount Package - Drum. Includes: 3:1 Universal oil pump (24G576), 6 ft LD oil pump suction hose kit for 55 gal drum (24F935), Wall mount bracket (24F910)
24H695	3:1 Oil Wall Mount Package - Tote. Includes: 3:1 Universal oil pump (24G576), 6 ft LD Oil pump section hose kit for 275 gal tote (24H666), Oil hose kit (24H859), Wall mount bracket (24F910)
3:1 Tote Mount Packages	
24H702	3:1 Oil Tote Mount Package - Top. Includes: 3:1 275 gal (1040L) Oil pump (24G585), 6 ft Oil hose kit (24J495), Top mount tote bracket (24F930), LD Reel bracket kit (24F932), Meter tray (24F914), LDM5 Rigid Meter (256215), 1/2" x 35' LD oil hose reel (24H662)
24H704	3:1 Oil Tote Mount Package - Top. Includes: 3:1 275 gal (1040L) Oil pump (24G585), 6 ft Oil hose kit (24J495), Top mount tote bracket (24F930), LD Reel bracket kit (24F932), Meter tray (24F914), LDP5 Rigid Meter (256216), 1/2" x 35' LD oil hose reel (24H662)
24H726	3:1 Oil Tote Mount Package - Drain. Includes: 3:1 Universal oil pump (24G576), 6ft Oil hose kit (24J495), 6 ft Suction hose kit (24H669), Tote mount pump bracket (24F920), Top mount tote bracket (24F931), LD Reel bracket kit (24F932), Meter tray (24F914), LDM5 Rigid meter (256215), LD oil hose reel, 1/2" x 35' (24H662)
24H728	3:1 Oil Tote Mount Package - Drain. Includes: 3:1 Universal oil pump (24G576), 6ft Oil hose kit (24J495), 6ft Suction hose kit (24H669), Tote mount pump bracket (24F920), Top mount tote bracket (24F931), LD Reel bracket kit (24F932), Meter tray (24F914), LDP5 Rigid meter (256216), LD oil hose reel, 1/2" x 35' (24H662)
3:1 Mobile Packages	
24H751	3:1 Oil Mobile Package with LD Reel. Includes: 3:1 200L Oil pump (24G582), 6ft Oil hose kit (24J495), LDM5 Rigid meter (256215), 55 gal Cart (24F915), LD oil hose reel, 1/2" x 35' (24H662)
24H753	3:1 Oil Mobile Package with LD Reel. Includes: 3:1 200L Oil pump (24G582), 6ft Oil hose kit (24J495), LDP5 Rigid meter (256216), 55 gal Cart (24F915), LD oil hose reel, 1/2" x 35' (24H662)
24H775	3:1 Oil Mobile Package. Includes: 3:1 200 L Oil pump (24G582), Fluid hose kit, 5 M (24H865), LDM5 Rigid meter (256215), 55 gal Cart (24F915)
24H777	3:1 Oil Mobile Package. Includes: 3:1 200 L Oil pump (24G582), Fluid hose kit, 5 M (24H865), LDP5 Rigid meter (256216), 55 gal Cart (24F915)
3:1 Stationary Packages	
24H800	3:1 Oil Stationary Package. Includes: 3:1 Multilength oil pump (24G579), 6ft Oil hose kit (24H859), LDM5 Rigid meter (256215)
24H802	3:1 Oil Stationary Package. Includes: 3:1 Multi-length oil pump (24G579), 6 ft Oil hose kit (24H859), LDP5 Rigid meter (256216)
5:1 Wall Mount Packages	
24H836	5:1 Oil Wall Mount Package - Drum. Includes: 5:1 Oil universal pump (24G588), 6 ft LD oil pump suction hose kit for 55gal drum(24F935), Wall mount bracket (24F910)
24H842	5:1 Oil Wall Mount Package - Tote. Includes: 5:1 Oil universal pump (24G588), 6ft Oil hose kit (24H859), 6ft LD Oil pump section hose kit for 275gal tote (24H666), Wall mount bracket (24F910)
5:1 Tote Mount Packages	
24H868	5:1 Oil Tote Mount Package - Top. Includes: 5:1 1040L Oil pump (24G597), 6 ft Oil hose kit (24J495), Tote top mount bracket (24F930), LD Reel bracket (24F932), Meter tray (24F914), LDM5 rigid meter (256215), 1/2" x 35' LD oil hose reel (24H662)
24H870	5:1 Oil Tote Mount Package - Top. Includes: 5:1 1040L Oil pump (24G597), 6 ft Oil hose kit (24J495), Tote top mount bracket (24F930), LD Reel bracket (24F932), Meter tray (24F914), LDP5 Rigid meter (256216), 1/2" x 35' LD oil hose reel (24H662)

24H892	5:1 Oil Tote Mount Package - Drain. Includes: 5:1 Oil universal pump (24G588), 6 ft Oil hose kit (24J495), Suction hose kit tote (24H669), Tote mount pump bracket (24F920), Tote top mount bracket (24F931), LD reel bracket kit (24F932), Meter tray (24F914), LDM5 Rigid meter (256215), LD oil hose reel, 1/2" x 35' (24H662)
24H894	5:1 Oil Tote Mount Package - Drain. Includes: 5:1 Oil universal pump (24G588), 6 ft Oil hose kit (24J495), Suction hose kit tote (24H669), Tote mount pump bracket (24F920), Tote top mount bracket (24F931), LD reel bracket kit (24F932), Meter tray (23F914), LDP5 Rigid meter (256216), LD oil hose reel, 1/2" x 35' (24H662)
5:1 Mobile Packages	
24H916	5:1 Oil Mobile Package with LD Reel. Includes: 5:1 55 gal (200 L) Oil pump (24G594), 6 ft Oil hose kit (24J495), LDM5 Rigid meter (256215), 55 gal Cart (24F915), LD oil hose reel, 1/2" x 35' (24H662)
24H918	5:1 Oil Mobile Package with LD Reel. Includes: 5:1 55 gal (200 L) Oil pump (24G594), 6ft Oil hose kit (24J495), LDP5 Rigid meter (256216), 55 gal Cart (24F915), LD oil hose reel, 1/2" x 35' (24H662)
24H941	5:1 Oil Mobile Package. Includes: 5:1 55 gal (200 L) oil pump (24G594), Fluid hose kit, 5M (24H865), LDM5 Rigid meter (256215), 55 gal Cart (24F915)
24H943	5:1 Oil Mobile Package. Includes: 5:1 55gal (200L) oil pump (24G594), Fluid hose kit, 5M (24H865), LDP5 Rigid meter (256216), 55 gal Cart (24F915)
5:1 Stationary Packages	
24H965	5:1 Oil Stationary Package. Includes: 5:1 Oil multi-length pump (24G591), Fluid oil hose kit (24H859), LDM5 Rigid meter (256215)
24H967	5:1 Oil Stationary Package. Includes: 5:1 Oil multi-length pump (24G591), Fluid oil hose kit (24H859), LDP5 Rigid meter (256216)



LD Series Pump Tank Packages

Air-Powered Oil Pumps and Packages

Ordering Information

3:1 Tank Packages with LD Reel

24J776	3:1 LD Tank Package. Includes: 3:1 Universal oil pump (24G576), LDM5 Manual meter (256215), 1/2" x 35' LD oil hose reel (24H662), 1/2" Oil inlet kit (24C538), LD swivel mount bracket (24C772)
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3:1 Tank Packages with SD Reel

24J733	3:1 Tank Package - Manual. Includes: 3:1 Universal Oil pump (24G576), LDM5 Manual meter with rigid extension (256215), SD oil reel, 1/2" x 50' (HPM65B), SD Reel Inlet Kit (218549)
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24J734	3:1 Tank Package - Preset. Includes: 3:1 Universal Oil pump (24G576), LDP5 Preset meter with rigid extension (256216), SD oil reel, 1/2" x 50' (HPM65B), SD Reel Inlet kit (218549)
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24K836	3:1 Tank Package - Manual Flex: 3:1 Universal Oil pump (24G576), LDM5 Manual meter with flex extension (258693), SD oil reel, 1/2" x 50' (HPM65B), SD Reel Inlet Kit (218549)
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3:1 Deluxe Tank Packages with SD Reel

24K777	3:1 Deluxe Tank Package - Preset Rigid: 3:1 Universal Oil Pump (24G576), LDP5 Preset meter with rigid extension (256216), SD oil reel, 1/2" x 50' (HPM65B), 6ft Air & Fluid hoses with fittings (24J495), 1/4" x 3/8" Mini air regulator with valve (24H420)
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24K797	3:1 Deluxe Tank Package - Manual Rigid: 3:1 Universal Oil Pump (24G576), LDM5 Manual meter with rigid extension (256215), SD oil reel, 1/2" x 50' (HPM65B), 6 ft Air & Fluid hoses with fittings (24J495), 1/4" x 3/8" Mini air regulator with valve (24H420)
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24K799	3:1 Deluxe Tank Package - Manual Flex: 3:1 Universal Oil Pump (24G576), LDM5 Manual meter with flex extension (258693), SD oil reel, 1/2" x 50' (HPM65B), 6 ft Air & Fluid hoses with fittings (24J495), 1/4" x 3/8" Mini air regulator with valve (24H420)
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24K832	3:1 Deluxe Tank Package - Manual Flex: 3:1 Universal Oil Pump (24G576), LDM5 Manual meter with flex extension (258693), SD oil reel, 1/2" x 35' (HPM33B), 6 ft Air & Fluid hoses with fittings (24J495), 1/4" x 3/8" Mini air regulator with valve (24H420)
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24K834	3:1 Deluxe Tank Package - Manual Rigid: 3:1 Universal Oil Pump (24G576), LDM5 Manual meter with rigid extension (256215), SD oil reel, 1/2" x 35' (HPM33B), 6 ft Air & Fluid hoses with fittings (24J495), 1/4" x 3/8" Mini air regulator with valve (24H420)
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3:1 Tote Mount Packages

24K838	3:1 Oil Tote Mount with SD Reel -Preset Rigid. Includes: 3:1 Oil pump with 275 gal (1040 liter) steel down tube (24G585), LDP5 Preset meter with rigid extension (256216), SD oil reel, 1/2"x50' (HPM65B), 6 ft Air & Fluid hoses with fittings (24J495), Pump tote mount bracket (24F930), SD reel bracket for tote mount, Meter tray (24F914)
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24K840	3:1 Oil Tote Mount with SD Reel -Manual Rigid. Includes: 3:1 Oil pump with 275 gal (1040 liter) steel down tube (24G585), LDM5 Manual meter with rigid extension (256215), SD oil reel, 1/2"x50' (HPM65B), 6ft Air & Fluid hoses with fittings (24J495), Pump tote mount bracket (24F930), SD reel bracket for tote mount, Meter tray (24F914)
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24K842	3:1 Oil Tote Mount with SD Reel -Manual Flex. Includes: 3:1 Oil pump with 275 gal (1040 liter) steel down tube (24G585), LDM5 Manual meter with flex extension (258693), SD oil reel, 1/2" x 50' (HPM65B), 6 ft Air & Fluid hoses with fittings (24J495), Pump tote mount bracket (24F930), SD reel bracket for tote mount, Meter tray (24F914)
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5:1 Tank Packages with LD Reel

24J777	5:1 LD Tank Package. Includes: 5:1 Universal oil pump (24G588), LDM5 Manual meter (256215), 1/2" x 35' LD oil hose reel (24H662), 1/2" Oil inlet kit (24C538), LD swivel mount bracket (24C772)
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5:1 Tank Packages with SD Reel

24J735	5:1 Tank Package - Manual. Includes: 5:1 Multi-length oil pump (24G588), LDM5 Manual meter with rigid extension (256215), SD oil reel, 1/2" x 50' (HPM65B), SD Reel Inlet kit (218549)
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24J736	5:1 Tank Package - Preset. Includes: 5:1 Multi-length oil pump (24G588), LDP5 Preset meter with rigid extension (256216), SD reel, 1/2" x 50' (HPM65B), SD Reel Inlet Kit (218549)
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24K837	5:1 Tank Package - Manual Flex: 5:1 Universal Oil pump (24G588), LDM5 Manual meter with flex extension (258693), SD oil reel, 1/2" x 50' (HPM65B), SD Reel Inlet Kit (218549)
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5:1 Deluxe Tank Packages with SD Reel

24K796	5:1 Deluxe Tank Package - Preset Rigid: 5:1 Universal Oil Pump (24G588), LDP5 Preset meter with rigid extension (256216), SD oil reel, 1/2" x 50' (HPM65B), 6 ft Air & Fluid hoses with fittings (24J495), 1/4" x 3/8" Mini air regulator with valve (24H420)
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24K798	5:1 Deluxe Tank Package - Manual Rigid: 5:1 Universal Oil Pump (24G588), LDM5 Manual meter with rigid extension (256215), SD oil reel, 1/2" x 50' (HPM65B), 6 ft Air & Fluid hoses with fittings (24J495), 1/4" x 3/8" Mini air regulator with valve (24H420)
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24K800	5:1 Deluxe Tank Package - Manual Flex: 5:1 Universal Oil Pump (24G588), LDM5 Manual meter with flex extension (258693), SD oil reel, 1/2" x 50' (HPM65B), 6 ft Air & Fluid hoses with fittings (24J495), 1/4" x 3/8" Mini air regulator with valve (24H420)
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24K833	5:1 Deluxe Tank Package - Manual Flex: 5:1 Universal Oil Pump (24G588), LDM5 Manual meter with flex extension (258693), SD oil reel, 1/2" x 35' (HPM33B), 6 ft Air & Fluid hoses with fittings (24J495), 1/4" x 3/8" Mini air regulator with valve (24H420)
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24K835	5:1 Deluxe Tank Package - Manual Rigid: 5:1 Universal Oil Pump (24G588), LDM5 Manual meter with rigid extension (256215), SD oil reel, 1/2" x 35' (HPM33B), 6 ft Air & Fluid hoses with fittings (24J495), 1/4" x 3/8" Mini air regulator with valve (24H420)
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5:1 Tote Mount Packages

24K839	5:1 Oil Tote Mount with SD Reel -Preset Rigid. Includes: 5:1 Oil pump with 275 gal (1040 liter) steel down tube (24G597), LDP5 Preset meter with rigid extension (256216), SD oil reel, 1/2" x 50' (HPM65B), 6 ft Air & Fluid hoses with fittings (24J495), Pump tote mount bracket (24F930), SD reel bracket for tote mount, Meter tray (24F914)
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24K841	5:1 Oil Tote Mount with SD Reel -Preset Rigid. Includes: 5:1 Oil pump with 275 gal (1040 liter) steel down tube (24G597), LDM5 Manual meter with rigid extension (256215), SD oil reel, 1/2" x 50' (HPM65B), 6 ft Air & Fluid hoses with fittings (24J495), Pump tote mount bracket (24F930), SD reel bracket for tote mount, Meter tray (24F914)
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24K843	5:1 Oil Tote Mount with SD Reel -Preset Rigid. Includes: 5:1 Oil pump with 275 gal (1040 liter) steel down tube (24G597), LDM5 Manual meter with flex extension (258693), SD oil reel, 1/2"x50' (HPM65B), 6 ft Air & Fluid hoses with fittings (24J495), Pump tote mount bracket (24F930), SD reel bracket for tote mount, Meter tray (24F914)
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LD Series Pump Accessories

Air-Powered Oil Pumps and Packages

Ordering Information

Drum Covers	
24F904	Cover for 35 lb (16 kg) pails
24F905	Cover for open-head 120 lb drums
24F906	Cover for open-head 400 lb drums
Follower Plates	
24F901	For 35lb (16 kg) pails with LD 50:1 pumps
24F902	For 120 lbs drum with LD 50:1 pumps
24F903	For 400 lb drums with LD 50:1 pumps
Suction Kits	
24F935	LD Oil Pump Suction hose kit for 55 gal (200 L) drum. Includes: 55 gal (200 L) drum length metal down tube, bung adapter, foot valve, and 6 ft of 1" suction hose
24H666	LD Oil Pump Suction hose kit for 275 gal (1040 L) drum. Includes: 275 gal (1040 L) tote length metal down tube, bung adapter, foot valve, and 6 ft of 1" suction hose
24H669	LD Oil Pump Suction hose kit and adapter for mounting pump to the side of IBC tote and dispensing from drain. Includes 1" x 3' Suction hose, 1" Elbow fitting, and union fitting (160022)
Hose & Fitting Kits	
24H865	15 ft LD pump fluid hose kit. Includes 1/2" x 15 ft fluid hose, 3/8" x 6 ft Air hose, Swivel (157705), and union fitting (156684)
24H859	6ft LD pump fluid hose kit. Includes 1/2" x 6ft fluid hose, 3/8" x 6 ft Air hose, Swivel (157705), and union fitting (156684)
24H862	6 ft LD pump grease hose kit. Includes 1/4" x 6' grease hose, 3/8" x 6 ft air hose, and fittings
Air Regulators	
24H420	Mini air pressure regulator with valve, 1/4 inch NPT x 3/8 inch NPT
Tote Mount Accessories	
24F914	Meter drip tray for mounting to the side of IBC tote
24F932	LD Reel bracket for mounting reel to IBC top mount tote bracket (24F930 & 24F920)
24F920	Tote mounting bracket to mount reel on top of IBC tote, (pump mounting bracket is not included)
24F930	Top of tote mounting bracket. For mounting LD pump in top of IBC tote
24F931	Bracket for mounting LD pump on the side of IBC tote
Mounting Hardware	
24F910	LD pump wall mounting bracket. For use with LD 3:1 & 5:1 pumps
24F918	Bung adapter for LD 3:1 & 5:1 pumps
Carts	
24F915	Drum cart with pneumatic wheels for 400 lb drums, includes chain for securing drum to cart
24H422	Drum cart with pneumatic wheels for 120 lb drums, includes chain for securing drum to cart

