

The heavy-duty 50:1 grease pump family from Lincoln

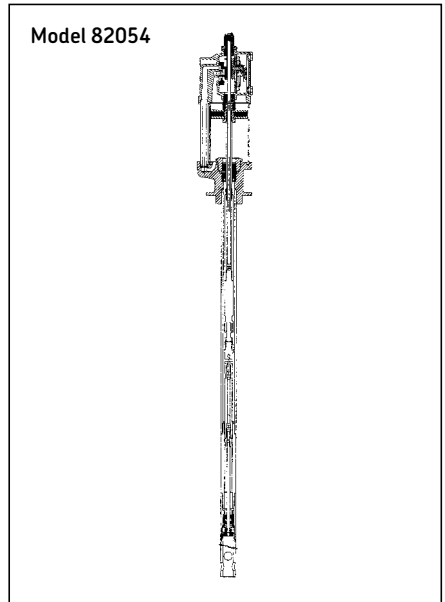
Lincoln air-operated lubrication equipment models featuring our high-pressure Series 20 and 40 grease pumps have been performance proven in automotive, agricultural, heavy-duty, marine, construction and industrial facilities throughout the world.

- Series 20 grease pumps include the time-proven 20 cu. in. (409,7 cm³) displacement Lincoln air motor with 2 1/2 in. (63,5 mm) stroke – ideal for most applications.
- Series 40 grease pumps include the time-proven 40 cu. in. (655,5 cm³) displacement Lincoln air motor with 4 1/2 in. (114 mm) stroke – ideal for high volume applications.

These pumps are built for power, durability and dependability and these exclusive engineering features ensure top performance and longer service life.

Series 20 and 40 grease pump features

- Lightweight, corrosion-resistant zinc head casting design incorporates uniform wall thickness and an integral patented muffler which keeps noise level below OSHA standards without compromising performance. Keeps pumping, while other pumps slow down or stop due to icing.
- 150 psi (10,34 bar) pre-lubricated air motor requires no external oiler.
- Pneumatically assisted mechanical air valve assures positive tripping.
- Springless air motor construction prevents premature pump failure due to spring fatigue.
- Precision-machined, hardened steel slide valve for longer life – no packings to wear out.
- Powerful.
 - 20 or 40 cu. in. (409,7 or 655,5 cm³) air motor.
- Designed for greater cycle rates.
 - Exceeds maximum limits recommended for competitive pumps.
- One piece pump outlet body withstands constant high lubricant pressures.
- Easier serviceability.
 - Majority of parts are common with other series 20, 25 and 40 pumps.
- Faster output.
 - Double-acting design provides high pressure and uniform delivery on both up and down strokes.
- Hardened steel plunger and bushing resist abrasion and prolong pump life. Micro-lapped to high precision tolerance to eliminate bypassing lubricant.
- All pumps are 100% electronically tested to assure quality performance.
- Backed by the most extensive, qualified service network in the industry.
- Shovel-type foot valve adds mechanical priming to normal suction. Handles all grades of lubricants.
- Backed by a five-year limited warranty. See your Lincoln representative for details.



Series 20 • 50:1 • Double acting

Model 918



Shop and plant applications

Model 918* 50:1 120 lb. (54 kg) drum

Package includes:

- Bare pump model 82050
- Drum cover model 46007
- Air coupler model 815
- Air nipple model 11659
- 3 ft. (0,91 m) air connecting hose model 72036
- 5 ft. (1,52 m) high-pressure grease connecting hose model 75060
- Deluxe follower plate model 84780
- Volume elbow union model 80202

Model 926* 50:1 400 lb. (181 kg) drum

Package includes:

- Bare pump model 82054
- Drum cover model 81523
- Air coupler model 815
- Air nipple model 11659
- 3 ft. (0,91 m) air connecting hose model 72036
- 5 ft. (1,52 m) high-pressure grease connecting hose model 75060
- Volume elbow union model 80202

Note: A deluxe follower plate model 83366 is recommended for use with this pump (→ page 68).

Model 926



Model 82991



Model 926-1* 50:1 400 lb. (181 kg) drum

Package includes:

- Bare pump model 82054
- Air coupler model 815
- Air nipple model 11659
- 3 ft. (0,91 m) air connecting hose model 72036
- 5 ft. (1,52 m) high-pressure grease connecting hose model 75060
- Volume elbow union model 80202

Note: A deluxe follower plate model 83366 is recommended for use with this pump (→ page 73).

Lubrication truck and mobile grease applications

Model 82991 50:1 120 lb. (54 kg) drum

Package includes:

- Bare pump model 82050
- Drum cover and tie rod assembly model 82989
- Eye bolt kit model 84941
- Air coupler model 815
- Air nipple model 11659
- Volume elbow union model 80202

Note: Connecting hoses are not included with this package. Order connecting hoses separately to suit application.

Model 83112 50:1 400 lb. (181 kg) drum

Package includes:

- 1-pump model 83112
- Drum cover and tie rod assembly model 83115
- Air coupler model 815
- Air nipple model 11659
- Volume elbow union model 80202

Note: Connecting hoses are not included with this package. Order connecting hoses separately to suit application.

Note: For lubrication truck/mobile applications (models 82991 and 83112), optional deluxe follower plate is available (→ page 73).

* ⚠ WARNING

California Proposition 65:
Cancer and reproductive harm
www.P65Warnings.ca.gov



Grease pumps for lubrication truck applications

Model 84684 120 lb. (54 kg) drum

Package includes:

- Bare pump model 84667
- Drum cover and tie rod assembly model 82989
- Eye bolt kit model 84941
- Air coupler model 815
- Air nipple model 11659
- Volume elbow union model 80202
- Follower plate not included

Note: Connecting hoses are not included with this package. Order connecting hoses separately to suit application.

Model 84683 400 lb. (181 kg) drum

Package includes:

- Bare pump model 84668
- Drum cover and tie rod assembly model 83115
- Eye bolt kit model 84941
- Air coupler model 815
- Air nipple model 11659
- Volume elbow union model 80202

Note: Connecting hoses are not included with this package. Order connecting hoses separately to suit application.

Note: For lubrication truck and mobile applications, optional deluxe follower plate is available (→ page 74).

Series 20 grease pumps

Model	Description	Bare pump	Free delivery		Ratio	Drum size		Air inlet NPT (f)	Size NPT (f)
			in. ³	cm ³		lb.	kg		
–	–	–	in. ³	cm ³	–	lb.	kg	in.	in.
918*	Shop and garage	82050	80	1311	50:1	120	54,43	1/4	1/4
923*	Shop and garage with elevator	82050	80	1311	50:1	120	54,43	1/4	1/4
926*	Shop and garage	82054	80	1311	50:1	400	181,4	1/4	1/4
82991	Lube truck model	82050	80	1311	50:1	120	54,43	1/4	1/4
83112	Lube truck model	82054	80	1311	50:1	400	181,4	1/4	1/4

These high-pressure pumps incorporate a 20 cu. in. (327,7 cm³) air motor design
Grease strainer model 82103

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Series 40 grease pumps

Model	Description	Bare pump	Free delivery		Ratio	Drum size		Air inlet NPT (f)	Material outlet NPT (f)
			in. ³	cm ³		lb.	kg		
–	–	–	in. ³	cm ³	–	lb.	kg	in.	in.
1418*	High-volume shop	84667	90	1 475	50:1	120	54,43	1/4	1/4
1426*	High-volume shop	84668	90	1 475	50:1	400	181,4	1/4	1/4
84683	High-volume lubrication truck	84668	90	1 475	50:1	400	181,4	1/4	1/4
84684	High-volume lubrication truck	84667	90	1 475	50:1	120	54,43	1/4	1/4
2740*	Pump with inductor	84668	90	1 475	50:1	400	181,4	1/4	1/4

These high-output pumps incorporate a 40 cu. in. (655,5 cm³) air motor design with a 4.5 in. (114 mm) stroke for higher volume output and fewer cycles per pound of grease

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Heavy-duty, air-operated grease pumps

Model 9989* 50:1 25, 50 lb. (11, 22 kg) portable pump with pail cover

Package includes:

- Bare pump model V350035000
 - Drum cover model 275370
 - Flexible follower model 84775
 - Air coupler/nipple model 5874/5875
 - 7 ft. (2,13 m) grease hose model 75084
 - Straight swivel model 82399
 - Universal swivel model 81387
 - Control valve model 740

Model 9917 50:1 120 lb. (54 kg) portable with caster base

Package includes:

- Bare pump model V350120000
 - Drum cover model 46007
 - Flexible follower model 84780
 - Air coupler/nipple model 5874/5875
 - 7 ft. (2,13 m) grease hose model 75084
 - Straight swivel model 82399
 - Universal swivel model 81387
 - Control valve model 740
 - Caster base 80895

Model 9917-57 50:1 120 lb. (54 kg) portable without caster base model 80895

Air-operated grease pumps for 120 lb. (54 kg) drums

The following models contain Lincoln's high-pressure series 20 grease pumps.

Model 917 120 lb. (54 kg) drum

Will dispense 45 oz. (1,3 kg) or 80 cu. in. (1 311 cm³) of NLGI 0 – 2 grease per

minute at 150 psi (10 bar). Assures positive prime at lowest temperature. Drum cover model 46007 finished in Lincoln red; roll-a-round base model 80895 base in black; air motor cover in white. Height 43 1/8 in. (1 095 mm). Base 17 in. (432 mm) square. Drum not included.

Model 917-57 120 lb. (54 kg) drum

Same as model 917 without roll-a-round base.

Model 6917 air-operated portable grease pump package

Lincoln's new heavy-duty portable grease pump delivers the same volume and pressure as the more expensive pumps – but at an affordable price.

- Lincoln's time-tested, 2 1/2 in. (63,5 mm), 50:1, air-operated, double-acting grease pump ensures dependable, high-output grease delivery.
- Lube the hard-to-reach fittings with the heavy-duty control valve and universal swivel.
- Standard follower wipes 120 lb. (54 kg) drum sides clean and keeps the pump primed.
- Four-wheel dolly maneuvers easily around the shop.

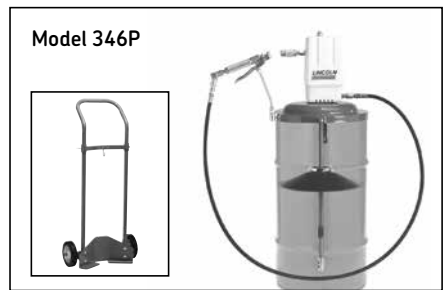
Model 346P 120 lb. (54 kg) drum

Same as model 917 except with model 674 hand truck which provides convenient transportation for unit. Hand truck has two semi-pneumatic disc wheels and screw-type clamp which locks unit to truck. Drum not included.

Air-operated grease pumps for 120 lb. (54 kg) drums

Model	Bare pump	Drum cover	Base	Follower	Drum size	
					lb.	kg
–	–	–	–	–		
917-57	82050	46007	–	84780	120	54

Delivery kit for unit includes: model 75084 high-pressure hose, model 11659 nipple, model 740 control valve, model 815 air coupler, model 82399 straight swivel and model 81387 universal swivel.
 Note: Free delivery 80 cu. in./min. (1 311 cm³/min.)



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WARNING!

Equipment contained in this catalog can generate very high fluid pressure. Before each use, make sure safety devices are in place and operating properly. Do not alter or modify any part of the equipment as this may cause fire, explosion, property damage, or result in serious bodily injury, including injecting fluid through the skin or splashing in the eyes. To reduce the risk of serious bodily injury or property damage, never exceed the maximum air or fluid working pressure of the lowest rated system component. Always read and follow the manual included with the equipment for more detailed information.

Failure to heed these warnings may result in personal injury and/or property damage.

WARNING!

Pump models with ratios 6:1 to 49:1
 930, 931, 934, 935, 936, 1901, 1902, 1903, 1905, 1906, 1909, 1914, 1932, 1933, 1934, 1937, 1938, 1939, 1951, 1952, 1955, 1996, V410000000, V406000000, V40600SSU, V40600S-WM, V41000SSU, V410055DC, V410055BB, V41000SWM, V410055LB, V410055LT

These pumps can develop up to 1 000 psi (69 bar) working pressure 200 psi (14 bar) maximum incoming air pressure. Be sure that all system equipment and accessories are rated to withstand the maximum working pressure of this pump. **Do not** exceed the maximum working pressure of the lowest rated component in the system.

WARNING!

Models 1272, 1273D, 1276, 1292, 1297

Be sure that all accessories are rated to withstand the maximum working pressure of the pump. **Do not** exceed the maximum working pressure of the lowest rated component in the system.

WARNING!

Pump models with ratios 1:1 to 5:1

2424, 2434, 2435, 2435LN, 2437, 485, 486, 594, 595, 596, 597, 1931, 1936, 1940, 282133, 282396, 282398, 282686, 2532, 2535, 2535LN, 2537, 282990, 284168, 284230, 284231, 284288, 284295, 284840, 284842, 282846, 284852, 284855, 284856, 284862, 284870, 285133, 285168, 285230, 285231, 285295, 285686, 285990, 84933, 84934, V305000000, V30500SSU, V305055BB, V305016DC, V305275BB, V30500SWM, V305055LT

These pumps can develop up to 1 000 psi (69 bar) working pressure 200 psi (14 bar) maximum incoming air pressure. Be sure that all system equipment and accessories are rated to withstand the maximum working pressure of this pump. **Do not** exceed the maximum working pressure of the lowest rated component in the system.

WARNING!

Pump models with ratios 50:1 to 75:1

918, 923, 926, 1418, 1426, 1904, 1910, 1911, 1935, 1941, 9917, 9989, 82050, 82054, 82716, 82991, 83122, 84683, 84684, 84667, 84668, V350120000, V350400000, V350400DC, V305275BB, V350120DC, V350120HF, V350400HF, V350120LT, V350400LT, V4501200000, V450120DC, V450400DC, V450400HF, V450400HR, V450120LT, V450400LT

These pumps can develop up to 1 000 psi (69 bar) working pressure 200 psi (14 bar) maximum incoming air pressure. Be sure that all system equipment and accessories are rated to withstand the maximum working pressure of this pump. **Do not** exceed the maximum working pressure of the lowest rated component in the system.

Important: Accessory item "whip" hoses for dispensing valve are fluid pressure rated 4 500 psi (310 bar). **Do not** exceed 90 psi (6 bar) air pressure to pump when using "whip" hoses.

Do not use any whip hose with any pump rated over 50:1 ratio.

WARNING!

Swivel models 80353, 80924, 81386, 81387, 81388, 81606, 81703, 81723, 81728, 81729, 81974, 82071, 82072, 82073, 82080, 82087, 82249, 82251, 82252, 82399, 82677, 83594, 82822, 83938

Material use: Lincoln swivels are to be used only to transport grease, oil and other lubricants and are designed only for these non-abrasive and non-corrosive purposes. **Do not** use with abrasive and corrosive materials such as sound-deadening materials which may contain limestone and mica particles. Transport of such materials causes rapid premature wear to critical swivel components and can cause failure of swivel. Failure could expose the user to severe bodily injury, permanent disfigurement or death.

Installation and service: Tighten all fluid connections securely before using swivel. Never exceed 5 000 psi (345 bar) maximum operating pressure. Never alter or modify any part of the swivel. Never attempt to repair or disassemble the swivel while the system is pressurized. Never stop or deflect leaks with hand or body.

Medical attention: Get medical attention immediately if exposed to high-pressure fluids. Tell the attending physician what was injected.