

Series 20, 25 and 40 pumps

Medium-pressure oil pumps

Motor oil, ATF, gear lubrication and other fluid lubricants

For more than 100 years, Lincoln's exclusive pump designs have proven their superiority in application after application. And our line-up of strong, silent oil-dispensing pumps is no exception.

Both our stub pumps are built with the same rugged reliability and powerful performance you've come to expect from Lincoln. They are super quiet – the quietest pumps on the market. They deliver increased output for faster product delivery. And they let you handle a wider range of applications with total mounting flexibility.

Lincoln has taken the time-proven pump design of the Lincoln model 84933 5:1 pressure ratio balanced double-acting oil stub pump and created a more compact air motor to produce a 3:1 pressure ratio balanced double-acting oil stub pump, model 282396. This pump creates a versatile, economical, reliable and smooth delivering lower pressure version of the Lincoln 5:1 ratio pump.

Since model 282396 balanced double-acting 3:1 pressure ratio oil stub pump and model 84933 balanced double-acting 5:1 pressure ratio oil stub pump share all dimensions other than air motor cylinder diameter, these pumps are now directly interchangeable without piping changes.

The Lincoln oil pump design enables all pump users to choose 3:1 ratio or 5:1 ratio pump models to suit their specific application.

Series 25 and 40 oil pump features

- More powerful.
 - 25 or 40 cu. in. (409,7 or 655,5 cm³) air motor with universal mounting capability.
- Balanced double-acting pump design provides uniform output and stroke for less pulsation [7.5 cu. in./cycle (123 cm³/cycle)].
- Longer life.
 - Full 4 1/2 in. (114 mm) stroke for fewer cycles per gallon dispensed.
- Lightweight, corrosion-resistant zinc head casting design incorporates uniform wall thickness. Keeps pumping while other pumps slow down or stop due to icing.
- 150 psi (10,34 bar) air motor with integral patented muffler. Keeps noise below OSHA standards without compromising performance.
- Ball check valve helps keep pump primed.
- 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.
- Designed for greater cycle rates. Exceeds maximum limits recommended for competitive pumps.
- Large pump outlet.
 - 1/2 in. (12,7 mm) NPT(f).
- Easier serviceability.
 - Majority of parts are common with other series 20, 25 and series 40 pumps.
- Each pump is 100% electronically tested to assure quality performance.
- Backed by the most extensive, qualified service network in the industry.
- Large pump inlet.
 - 1 in. (25,4 mm) NPT(f) inlet with 1 1/2 in. (38,1 mm) NPT(m) pump inlet for versatile pump mounting and full oil flow.
- Backed by our five year limited warranty. See your Lincoln representative for details.

Model 282396



Model 84933



NOTE:

The PMV pump series has been discontinued. Review Series 40 as alternative to the PMV 3" 5:1 oil models for many applications.



3:1 and 5:1 • Motor oil, ATF, gear lubrication and other fluid lubricants

Model 282396 3:1 bare stub pump

Model 282398 3:1 series 25 stub pump

Package includes:

- Bare stub pump model 282396
- Pump cover kit model 84935
- Oil connecting hose model 73024
- Air connecting hose model 72024
- 90° volume union elbow model 241584
- Air coupler model 815
- Air nipple model 11659
- Bung bushing model 84538

Model 84934 5:1 series 40 stub pump

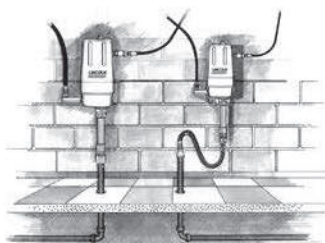
Package includes:

- Bare stub pump model 84933
- Pump cover kit model 85935
- Oil connecting hose model 73024
- Air connecting hose model 72024
- 90° volume union elbow model 241584
- Air coupler model 815
- Air nipple model 11659
- Bung bushing model 84538



Versatile stub pump mounting options

Standpipe and wall mount assembly to remote bulk tanks



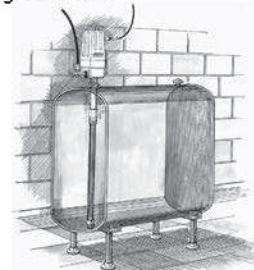
3:1 (282398) or 5:1 (84934) pump, wall mount kit (84940), low level cut-off (84946) or foot valve (85765).

Wall mount to any size drum



3:1 (282398) or 5:1 (84934) pump, wall mount kit (84940), suction kit (84945) and low level cut-off (84946) or foot valve (85765).

Above ground tank



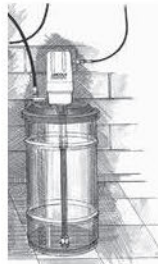
[275 gallon (1 041 liter) tank shown]
3:1 (282398) or 5:1 (84934) pump and universal suction kit (85949).

55 gallon (208 liter) drum mount using bung bushing



3:1 (282398) or 5:1 (84934) pump and 55-gallon drum suction (85755).

16 gallon (60 liter) drum mount using drum cover



3:1 (282398) or 5:1 (84934) pump, drum cover (46007) and 16-gallon drum suction kit (85716).

55 gallon (208 liter) drum mount on lubrication truck using drum cover



3:1 (282398) or 5:1 (84934) pump, eyebolt kit (84941), drum cover/tie-down kit (83115) 55 gal. (208 liter) drum suction kit (85755).

Series 25 • 3:1 • Motor oil, ATF, gear lubrication and other fluid lubricants

Shop, garage and lubrication truck* applications – 16 gal. (60 liter) drums

Model 2437

Package includes:

- Pump model 282396
- Lubricant connecting hose model 73060
- Volume elbow model 241584
- Air connecting hose model 72060
- Air coupler model 815
- Air nipple model 11659

Lubrication truck and mobile applications – 55 gal. (208 liter) drum

Model 284231

Package includes:

- Pump model 282133
- Eyebolt kit model 84941
- Drum cover with tie down assembly model 83115
- Air coupler model 815
- Air nipple model 11659

55 gal. (208 liter) drums

Model 2424

Package includes:

- Pump model 282133
- 2 in. (50,8 mm) NPT (m) bung bushing model 84538
- Volume union elbow model 241584
- Air coupler model 815
- Air nipple model 11659
- Lubricant connecting hose model 73060
- Air hose model 72060

* For lubrication truck applications, contact your Lincoln distributor.

250 or 275 gal. (946 or 1 041 liter) drums

Model 284168

Package includes:

- Pump model 282396
- Universal suction tube kit model 85949
- Bung bushing model 84538
- Lubricant connecting hose model 73060
- Volume elbow model 241584
- Air connecting hose model 72060
- Air coupler model 815
- Air nipple model 11659

Model 2424



Model 284168



Model 284231



Model 2537



Series 40 • 5:1 • Motor oil, ATF, gear lubrication and other fluid lubricants

Shop and garage applications –
16 gal. (60 liter) drums

Model 2537

Package includes:

- Pump model 84933
- Lubricant connecting hose model 73060
- Volume elbow model 241584
- Air connecting hose model 72060
- Air coupler model 815
- Air nipple model 11659
- Drum cover model 46007

55 gal. (208 liter) drums

Model 2524



Model 2524

Package includes:

- Pump model 84933
- 2 in. NPT (m) bung bushing model 84538
- Volume union elbow model 241584
- Air couple model 815
- Air nipple model 11659
- Lubricant connecting hose model 73060
- Air hose model 72060

Note: Order drum cover model 81523 separately.

Model 285168



Model 285168

Comes complete with model 84933 pump and model 85949 universal suction tube kit, model 84538 bung bushing, air and lubricant connecting hose. Pumps oil, gear lubrication, ATF, etc. from tanks, drums.

Model 285231

Package includes:

- Pump model 285133
- Eyebolt kit model 84941
- Drum cover with tie down assembly model 83115
- Air coupler model 815
- Air nipple model 11659

NOTE:

The PMV pump series has been discontinued. Review Series 40 as alternatives to the PMV 3" 5:1 oil models for many applications.

Pumps and accessories – Series 20, 25 and 40 pumps

Series 25 oil pumps

Model	Description	Bare pump	Free delivery		Ratio	Drum size		Air Inlet NPT	Size NPT	Use / location
			gal.	liter		gal.	liter			
–	–	–			–			in.	in.	–
282133	Bare drum pump	282396	6	22	3:1	55	208	1/4	1/2	Replacement
282396	Bare stub pump	282396	6	22	3:1	Stub/universal		1/4	1/2	Universal
2424	Stationary	282133	6	22	3:1	55	208	1/4	1/2	Shop
2437	Stationary with suction kit model 85716	282396	6	22	3:1	16	60	1/4	1/2	Shop
282398	Stub pump assembly	282396	6	22	3:1	Stub/universal		1/4	1/2	Universal
284168	Stationary tank	282396	6	22	3:1	250 or 946 or 275 1 041		1/4	1/2	Shop
284231	Lube truck	282133	6	22	3:1	55	208	1/4	1/2	Lube truck

All models based on model 282396 series 25 3:1 bare oil pump which delivers 6 gallon/min. (22 liter/min.) free flow plus a suction tube.

Series 40 oil pumps

Model	Description	Bare pump	Free delivery		Ratio	Drum size		Air Inlet NPT	Size NPT	Use / location
			gal.	liter		gal.	liter			
–	–	–			–			in.	in.	–
84933	Bare stub pump	84933	6	22	5:1	Stub/universal		1/4	1/2	Universal
285133	Bare pump with tube	84933	6	22	5:1	55	208	1/4	1/2	Replacement
2524	Stationary 55 gal. (208 liter)	84933	6	22	5:1	55	208	1/4	1/2	Shop
2537	Stationary 16 gal. (60 liter) with suction kit model 85716	84933	6	22	5:1	16	60	1/4	1/2	Shop
84934	Stub pump assembly	84933	6	22	5:1	Stub/universal		1/4	1/2	Universal
285168	Stationary tank	84933	6	22	5:1	250 or 946 or 275 1 041		1/4	1/2	Shop
285231	Lube truck	84933	6	22	5:1	55	208	1/4	1/2	Lube truck

All models based on model 84933 series 40 5:1 bare oil pump which delivers 6 gallon/min. (22 liter/min.) free flow plus a suction tube.

Model 84538



Model 85824



Medium-pressure pump accessories

Bung bushing, low-level cut-off and foot valves

Model	Description	Thread size NPT	Notes
–	–	in.	–
84538	Pump bung bushing	2 (m)	Mounts series 25 or 40 pump to 2 in. (50,8 mm) oil drum opening
85824	Bung bushing	2 (m)	Mounts PMV pumps to 55 gal. (208 liter) drum or custom-built tanks
82439	Low-level cutoff	1 1/2 (m)	Used with new oil pumps
84946	Low-level cutoff	1 (m)	Used with new oil pumps
85765	Foot valve	1 (f)	Used with new oil pumps

Model 82439



Model 85765



Model 84940



Model 85949



Wall mount kits

Model	Description	Notes
84940	Wall-mount kit – series 25 and 40	Used with model 84945 suction kit
84942	Flange-mount kit – series 25 and 40	Mounts pump to custom made tanks (lubrication trucks)

Model 84942



Suction kits

Model	Description	Thread size NPT	Notes
–	–	in.	–
84945	Remote suction kit	1 (f)	Includes 5 ft. (1,5 m) oil hose, bung bushing and 1 x 3/2 in. (0,8 m) pipe
85716	16 gal. (60,57 liter) drum suction kit	1 (m)	Adapts any series 25 or 40 oil pump to 16 gallon (60 liter) drum
85755	55 gal. (208,2 liter) drum suction kit (steel)	1 (m)	Adapts any series 25 or 40 oil pump to 55 gallon (208 liter) drum
85949	Universal suction kit	1 (m)	Adapts any series 25 or 40 oil pump to drum or tank use

Model 84945



Pump covers

Model	Description	Notes
84935	Pump cover	Series 20 pumps
85935	Pump cover	Series 25 and 40 pumps

Model 85935



Hose

Model	Description	Thread size NPT (m)	Maximum pressure	
			psi	bar
–	–	in.		
72036	3 ft. (0,9 m) low-pressure connecting	1/4	250	17,24
72060	5 ft. (1,5 m) low-pressure connecting	1/4	250	17,24
73036	3 ft. (0,9 m) medium-pressure connecting	1/2	1 000	68,95
73060	5 ft. (1,5 m) medium-pressure connecting	1/2	1 000	68,95

Model 72036



Model 73036



Eye-bolt kit

Model 84941

Eye bolt kit for all series 20, 25 and 40 pumps, makes drum changing easy. Two part kit screws directly onto pump for lifting with pump elevator.

Lubricant filters

Model 84004

For mounting at pump outlet. Contains replaceable 140 micron stainless steel filter element model 69524. 1/2 in. NPT (m) inlet and outlet. 1 3/8 in. hex. steel body. Maximum pressure 5 000 psi (344,7 bar). 100 mesh screen.

Model 84941



Shut-off valves

See fittings and accessories section for pump shut-off valves.

Model 84004



Thermal pressure protection

Protect lubrication system components from high pressure spikes caused by temperature change in a closed fluid network.

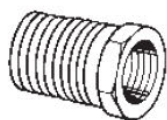
Thermal pressure protection models

Model	Description	Application	Pre-set relief pressure		Size NPT
			psi	bar	
–	–	–			in.
282876	Valve only	3:1, 5:1, 6:1	1 000	68	1/2
275197	Valve only	3:1, 5:1, 6:1	500	34	1/2
282957	Valve only	3:1, 5:1, 6:1, 10:1, 12:1	1 500	103	1/2
277601-3	Kit with valve, hose, adapters	Series 40 5:1, series 20 3:1	900	62	Integrated

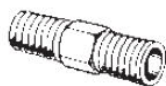
Model 282876



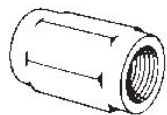
Reducing bushing



Nipples



Reducing couplings



Model 778



Reducing bushings

Model	Thread size	Construction
–	in.	–
10200*	1/8 NPT (f) x 1/2-27 (m)	Brass
10204*	1/4 NPT (f) x 1/2-27 (m)	Brass

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

Reducing couplings

Model	Thread size NPT (f)	Construction
–	in.	–
11852	1/8 x 1/2-27	Steel
10522*	1/4 x 1/2-27	Brass

*⚠ **WARNING** California Proposition 65:
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Adapter unions

Model	Thread size	Construction
–	in.	–
66883	1/2 NPSM (f) x 1/2 NPT (m)	Steel
69375	1 NPT (f) swivel x 1 NPT (m)	Steel

Nipples

Model	Thread size NPT (m)	Construction
–	in.	–
10130	1/8 x 1/8	Steel
10199*	1/8 x 1/2-27	Brass
10462	1/4 x 1/4	Steel

10198*	1/4 x 1/2-27	Brass
10540	3/8 x 3/8	Steel
11107	3/8 x 1/2	Steel

11197	1/2 x 1/2	Steel
12957	1/2 x 1/2-27	Steel
10202*	1/2-27 x 1/2-27	Brass

12296	3/4 x 3/4	Steel
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*⚠ **WARNING** California Proposition 65:
Cancer and reproductive harm. www.P65Warnings.ca.gov

Shut-off valves – needle-type for chassis grease

Model	Thread size NPT (f)	Construction
–	in.	–
778	1/4	High pressure
884	3/8	High pressure
885	1/2	High pressure

Maximum working pressure 10 000 psi (680 bar)