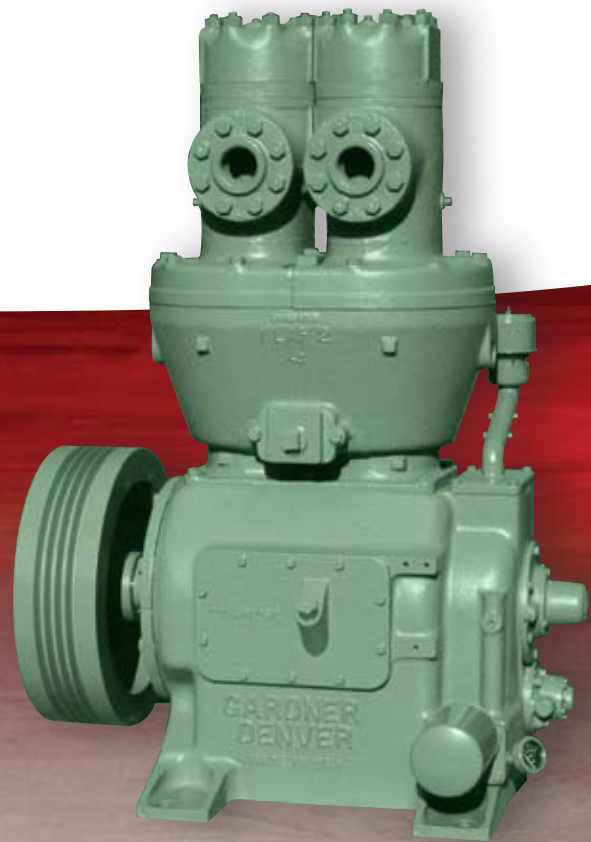


L Series™

Reciprocating Air Compressors



Experience Proven Results™

L Series

Continuous Duty

From design, to selection of materials, machining and construction the L-Series Gardner Denver® water cooled compressors are designed for 24 hours a day, 7 days a week continuous duty operation. Tough cast iron construction and pressurized lubrication provide complete dependability and optimum performance. Two-Stage construction operates at pressures up to 1000 psig. Booster compressors, both single and two-stage, have discharge pressure capability to 2000 psig.



Standard Model LAB
Two-Stage Compressor

Cover Photo:
Model LAF Booster Compressor

High Pressure Dependability

World-Class Quality

The Gardner Denver quality system is ISO 9001 certified. This means the L-Series compressor, built for you, has been assembled to the highest quality standards. Stringent inspection procedures assure that the L Series compressors are built to provide dependable and reliable service in harsh applications. Also, each compressor is factory tested for performance to ensure your compressor is a zero-defect product. Gardner Denver knows its L-Series compressors are a higher quality product than the industry standard, and backs each unit with a 2 year warranty.

Features

- Anti-friction tapered roller main bearings. Oversized for reliability and long life.
- Gear drive oil pump for positive lubrication.
- Spin-on type full-flow oil filter for quick replacement.
- Connecting rods fitted with precision steel-backed babbitt crankpin bearing inserts.
- Completely water-jacketed for uniform cooling.
- Water cooled intercooler on two-stage compressors to lower the interstage temperature for optimum performance.
- Lightweight aluminum pistons and counterbalanced crankshaft to provide excellent balance and minimum vibration.
- Suitable for V-belt drive or direct drive by electric motor or engine.

Regular Equipment

STANDARD CONFIGURATIONS

Standard Two-Stage Compressor Models - include suction unloading valves, drive sheave, tube-type intercooler, positive lubrication oil pump, full flow spin-on type oil filter, oil pressure gauge, intercooler safety valve and pressure gauge, crankcase breather/filter and oil level indicating rod.

Booster Compressor Models Single & Two-Stage - include plain suction valves, drive sheave, positive lubrication oil pump, full flow spin-on type oil filter, oil pressure gauge, crankcase breather/filter and oil level indicating rod.

Optional Equipment

- V-belt or coupling drives
- Lubricator for LAF
- Circulating water pumps
- Closed-vent crankcase
- Suction air filters
- Salt water cooling

Gardner Denver

GUARANTEED RELIABILITY

The Gardner Denver commitment to superior performance and reliability continues long after the original sale. With over 150 years of successful business experience you can be assured of quality support. All Gardner Denver Compressors are backed by a comprehensive warranty which represents Gardner Denver's dedication to providing you only the best.



SERVICE COMMITMENT

When you purchase Gardner Denver equipment you invest in more than hardware. You receive technical support, training, supplies—a wide spectrum of services. Factory-trained service personnel are committed to keep your equipment operating at maximum efficiency. They are available around the clock for both emergency and routine repairs. Every authorized Gardner Denver distributor offers convenient service directly on your location to assist with equipment overhaul, parts replacement, or troubleshooting. You are never on your own once you have bought Gardner Denver.

INVENTORY SUPPORT

Downtime costs you money. That's why our service begins close to you with your local authorized distributor. Strategically located across the country, these distributors are committed to stocking the parts you need, when you need them. A Master Distribution Center in Quincy, Illinois supports this network and insures that most emergency orders are shipped within 24 hours. By choosing Gardner Denver, you receive unequalled support – Today and Tomorrow.

STANDARD TWO-STAGE COMPRESSORS

Model	HP	Capacity		Maximum Pressure				Cylinder Sizes				Stroke	
				Suction		Discharge		Low Pressure		High Pressure			
		cfm	m3/min	psig	bars	psig	bars	in	mm	in	mm	in	mm
LABGC	13.8	35.4	1.00	6	0.41	300	21	4.875	124	2.375	60	4	102
LABGF	15.9	28.7	0.81	18	1.24	1000	69	4.875	124	2.125	54	4	102
LAFAG	32.6	84.3	2.39	5	0.34	300	21	6.750	172	3.25	83	5	127
LAFAI	34.1	65.5	1.86	18	1.24	1000	69	6.750	172	2.625	67	5	127

*Horsepower and capacity listed are for maximum discharge pressure, atmospheric inlet and 1160 RPM.
(Add 3% to the listed horsepower for V-belt drive losses.)

BOOSTER COMPRESSORS (MAXIMUM 60 HP)

Model	Piston Displacement	Maximum Pressure						Cylinder Sizes				Stroke	
		Suction		Discharge		Cylinder 1		Cylinder 2					
		cfm	m3/min	psig	bars	psig	bars	in	mm	in	mm	in	mm
Single-Stage	L AFCQ	13.9	0.39	1000	69	2000	138	1.625	41	1.625	41	5	127
	L AFCM	18.5	0.52	900	62	1500	103	1.875	48	1.875	48	5	127
	L AFCP	21.0	0.59	800	55	1400	96	2	51	2	51	5	127
	L AFCN	32.9	0.93	700	48	1000	69	2.5	64	2.5	64	5	127
	L AF CO	47.4	1.34	350	24	750	52	3	76	3	76	5	127
Two-Stage	L AF CS	23.7	0.67	350	24	1500	103	3	76	1.875	48	5	127
	L AF CR	23.7	0.67	350	24	2000	138	3	76	1.625	41	5	127

*Piston displacement is at 1160 RPM maximum.

DIMENSIONS/WEIGHTS

Model	Air Connections								Dimensions						Weight	
	Cylinder 1				Cylinder 2				Length		Width		Height			
	Inlet		Outlet		Inlet		Outlet		in	mm	in	mm	in	mm	lbs	kg
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	lbs	kg
LABGC	2	51	2	51	1	25	1	25	33	628	28.15	694	44.5	1131.6	790	358
LABGF	2	51	2	51	1	25	1	25	33	628	28.15	694	44.5	1131.6	790	358
LAFAG	3	76	3	76	1.25	32	1	25	37.5	954	27.2	692	48.0	1220.6	1410	640
LAFAI	3	76	3	76	1.25	32	1	25	37.5	954	27.2	692	48.0	1220.6	1410	640
L AFCQ	2	51	1	25	2	51	1	25	34.6	880	27.3	694	48.0	1220.6	1270	576
L AFCM	2	51	1	25	2	51	1	25	34.6	880	27.3	694	48.0	1220.6	1230	558
L AFCP	2	51	1	25	2	51	1	25	34.6	880	27.3	694	48.0	1220.6	1200	544
L AFCN	2	51	1	25	2	51	1	25	34.6	880	27.3	694	48.0	1220.6	1180	535
L AF CO	2	51	1	25	2	51	1	25	34.6	880	27.3	694	48.0	1220.6	1140	517
L AF CS	2	51	1	25	2	51	1	25	34.6	880	27.3	694	48.0	1220.6	1185	538
L AF CR	2	51	1	25	2	51	1	25	34.6	880	27.3	694	48.0	1220.6	1205	546

Water Connections LABAC & LABAF: 1" Inlet, 1" Outlet; LAFAG & LAFAI: 1" Inlet - 1" Outlet LAFC Boosters: 1¼" Inlet & Outlet Both Cylinders
NOTE: All weights and dimensions are approximate.

Gardner Denver®



Member



Please recycle after use.

www.GardnerDenverProducts.com maggie@gardnerdenver.com

Gardner Denver, Inc. 1800 Gardner Expressway, Quincy, IL 62305

Customer Service Department

Telephone: (800) 682-9868 FAX: (217) 224-7814

©2009 Gardner Denver, Inc. Litho in U.S.A. GR-LS-104 1st Ed. 7/09
Supersedes 13-1-210 5th Ed. 12/04