

Oilless Piston
Air Compressors
for
Dry Sprinkler
Systems



ISO 9001 CERTIFIED





Oilless Piston Air Compressors for Dry Sprinkler Systems

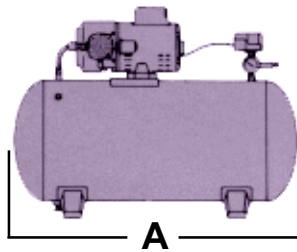
Features

- Motor-mounted, no belts or pulleys
- Oil free air, no lubrication required
- Corrosion resistant internal parts
- Compact, lightweight and easy to install
- Regardless of Cause Warranty

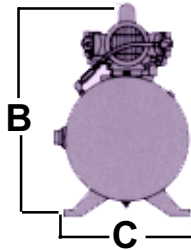


Tank Package ASME coded tank mounted compressors include gauge, pressure switch (minimum switch differential is 10-13 psig), shut-off valve, drain valve, check valve and safety valve.

Side View



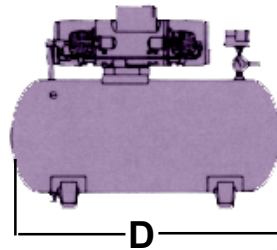
Front View



Dimensional Data (in.)

Model Number	A	B	C	Pipe Size
1LAA-11T-M100X	18.50	8.12	17.28	1/4" NPT
2LAF-11T-M200X	26.00	15.65	20.75	1/4" NPT
3LEM-11T-M345X	26.00	21.00	13.00	1/4" NPT
4LCB-11T-M450X	33.00	17.20	26.13	1/4" NPT
5LCA-11T-M550X	33.00	16.50	26.88	1/4" NPT
6LCF-11T-M616X	38.00	18.29	28.38	3/8" NPT

Side View



Front View



Dimensional Data (in.)

Model Number	D	E	F	Pipe Size
7LDE-11T-M750X	38.00	18.00	28.31	3/8" NPT
8LDF-11TA-M850X	38.00	18.29	28.38	1/2" NPT

Maximum Gallons in System To Pump To 40 PSI in 30 Minutes

CFM Free Air @ 40 PSI

Motor Data

Tankless Packages

Tank-Mounted Package

90	1.0	1/6 hp, 115-60-1	1LAA-32-M100X	1LAA-11T-M100X (2 gallon)
150	1.5	1/4 hp, 115-60-1	2LAF-12-M200X	2LAF-11T-M200X (12 gallon)
180	2.0	1/3 hp, 115-60-1	3LEM-32-M345X	3LEM-11T-M345X (12 gallon)
300	3.1	1/2 hp, 115/230-60-1	4LCB-21-M450X	4LCB-11T-M450X (20 gallon)
400	4.2	3/4 hp, 115/230-60-1	5LCA-22-M550X	5LCA-11T-M550X (20 gallon)
600	5.9	1 hp, 115/230-60-1	6LCF-13-M616X	6LCF-11T-M616X (30 gallon)
800	7.9	1 1/2 hp, 115/208-230-60-1	7LDE-10-M750X	7LDE-11T-M750X (30 gallon)
1000	10.7	2 hp, 115/230; 110/220-60/50-1	8LDF-16-M850X	3LEM-11T-M345X (12 gallon)



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Air Capacity of A System Capacity of 1 Foot of Pipe (Based on actual internal diameter)

Diameter	Gallons
1/2 in.	.016
3/4 in.	.028
1 in.	.045
1 1/4 in.	.078
1 1/2 in.	.106
2 in.	.174
2 1/2 in.	.248
3 in.	.383
3 in.	.513
4 in.	.660
5 in.	1.040
6 in.	1.501
8 in.	2.66



Tankless/Automatic air compressors have inlet filters, a safety valve, pressure switch (minimum switch differential is 10-13 psig on most models), check valve, tubing and fittings.

The 2LAF-12-M200X has 6 psig minimum differential.

Dimensional Data (in.)

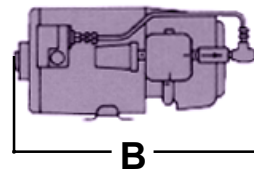
Model Number	A	B	C	Pipe Size
1LAA-32-M100X	5.88	14.00	7.38	1/4" NPT
2LAF-12-M200X	8.38	14.38	10.88	1/4" NPT
3LEM-32-M345X	7.12	13.57	9.36	1/4" NPT
4LCB-21-M450X	8.88	14.75	12.00	1/4" NPT
5LCA-22-M550X	8.88	16.38	12.25	1/4" NPT
6LCF-13-M616X	9.00	17.5	13.00	1/4" NPT

Motors - All air compressors shown have open motors. Single phase motors have internal thermal protection. Dual voltage motors are shipped pre-wired for the higher voltage. (All tank mounted units, with the exception of the 8LDF series, are wired for 115 volts.)

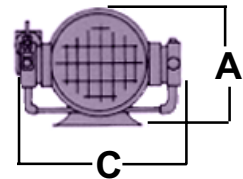
Dimensional Data (in.)

Model Number	D	E	F	Pipe Size
7LDE-16-M750X	8.88	22.00	12.38	3/8" NPT
8LDF-16-M850X	8.70	24.06	13.69	1/2" NPT

Side View



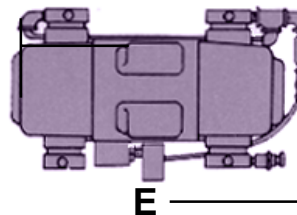
Front View



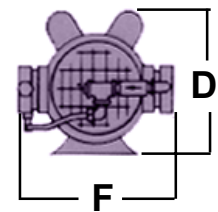
Accessories

Part Number	Description
AJ550	Check valve 1/4"NPT female
AJ550A	Check valve 3/8"NPT female
AT670	Riser mounting bracket
AK620	Pressure switch (6 psig minimum pressure differential)
AE163A	Pressure switch (10-13 psig minimum pressure differential)
AE163B	Pressure switch, cut-in pressure 40 psi, cut-out pressure 50 psi
AF564	Pressure switch (20 psig minimum pressure differential)
AF631	Shock/isolation mounts 1/4-20 thread (both ends) (48 frame)
AF633	Shock/isolation mounts 5/16-18 thread (both ends) (48 & 56 frame)

Top View



Front View



Compressor mounting bracket comes complete with all the hardware and adjustable stainless steel straps for mounting Gast tankless air compressors to all sizes of riser pipes. To order, contact your local sprinkler supply company or your local Gast distributor and ask for Gast part number AT670.

Refer to NFPA 13 Chapter 5-2 (Dry Pipe Systems) for limitations and requirements of air supplies

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