

Dry Sprinkler Systems

UL 2125 Listed Air Compressors Tankless / Tank Mounted



Tankless Automatic Model
4LCB-46S-M450GX

- UL 2125 Listed
- Motor Mounted, (no belts or pulleys)
- Oil free air, no lubrication required
- Corrosion resistant internal parts
- Compact, easy to install
- Black Paint for easy identification



Tank Mounted Model
4LCB-46T-M450GX

GAST
A UNIT OF IDEX CORPORATION
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UL Listed Oilless Piston Air Compressors for Dry Sprinkler Systems

- UL 2125 Listed
- Motor mounted, (no belts or pulleys)
- Oil free air, no lubrication required
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- Compact, easy to install
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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 units are wired for 115 volts)



Model 7LDE-46S-M750X

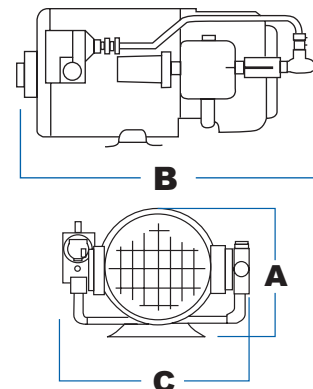
Model 4LCB-46S-M450GX

Tankless / Automatic air compressors have inlet filters, a safety valve, pressure switch (minimum switch differentials are 10-13 psig on most models) Check valve, tubing and fittings
The 2LAF-46S-M200EX has 6 psig minimum differential.

UL Listed 2125 Oilless Piston Air Compressors for Dry Sprinkler Systems

TANKLESS DIMENSIONAL DATA (IN.)

Model Number	A	B	C	Pipe Size	Ship Wt.
1LAA-46S-M100GX	6.03	14.66	8.31	1/4" NPT	22.5
2LAF-46S-M200EX	9.52	13.49	9.38	1/4" NPT	24.2
3LBA-46S-M300GX	6.03	15.60	11.0	1/4" NPT	30.2
3LEM-46S-M345EX	7.71	14.96	9.40	1/4" NPT	29.2
4LCB-46S-M450GX	8.34	16.02	12.20	1/4" NPT	39.5
5LCA-46S-M550GX	8.34	17.15	12.25	1/4" NPT	47.5
6LCF-46S-M616EX	8.38	19.69	12.30	3/8" NPT	55.2
7LDE-46S-M750X	8.40	25.29	13.46	3/8" NPT	73.0

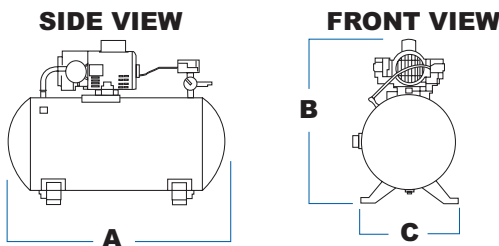


Maximum Gallons in System to Pump to 40 PSI in 30 Min.	CFM Free Air at 40 PSI	Motor Data	Tankless Packages	Tank Mounted Packages
90	1.0	1/6 hp, 115-60-1	1LAA-46S-M100GX	1LAA-46T-M100GX (2 GAL)
150	1.5	1/4 hp, 115-60-1	2LAF-46S-M200EX	2LAF-46T-M200EX (12 GAL)
180	2.0	1/3 hp, 115-60-1	3LBA-46S-M300GX	3LBA-46T-M300GX (12GAL)
180	2.0	1/3 hp, 115-60-1	3LEM-46S-M345EX	3LEM-46T-M345EX (12GAL)
300	3.1	1/2 hp, 115/230-60-1	4LCB-46S-M450GX	4LCB-46T-M450GX (20GAL)
400	4.2	3/4 hp, 115/230-60-1	5LCA-46S-M550GX	5LCA-46T-M550GX (20GAL)
600	5.9	1 hp, 115/230-60-1	6LCF-46S-M616EX	6LCF-46T-M616EX (30GAL)
800	7.9	1 1/2 hp, 115/208-230-60-1	7LDE-46S-M750X	7LDE-46T-M750X (30GAL)

UL Listed 2125 Oilless Piston Air Compressors for Dry Sprinkler Systems (Tank Units)

TANK UNITS DIMENSIONAL DATA (IN.)						
Model Number	A	B	C	Pipe Size	Tank Size	
					Gallon	Ship Wt.
1LAA-46T-M100GX	19	18	9	1/4" NPT	2	44.0
2LAF-46T-M200EX	26	21	13	1/4" NPT	12	78.0
3LBA-46T-M300GX	26	21	13	1/4" NPT	12	83.0
3LEM-46T-M345EX	26	21	13	1/4" NPT	12	80.0
4LCB-46T-M450GX	33	26	17	1/4" NPT	20	109.0
5LCA-46T-M550GX	33	26	17	1/4" NPT	20	115.0
6LCF-46T-M616EX	33	25.5	17	1/4" NPT	30	169.0
7LDE-46T-M750X	38	28.6	18	3/8" NPT	30	185.0

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.



Air Capacity of a System
Capacity of 1' of pipe
(Based on actual internal diameter)

Diameter	Gallons
1/2 in.	0.16
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

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)
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 models 1, 2, and 3)
AF633	Shock/isolation mounts 5/16-18 thread (both ends) (48 & 56 frame)
AF634	15" hose assy. 1/4" NPT fittings
AH332	16" hose assy. 3/8" NPT fittings



Compressor Mounting Bracket

Comes complete with all the hardware and adjustable stainless steel straps for mounting Gast tankless air compressors to all shapes and sizes of riser pipes. To order contact your local sprinkler supply company or your local Gast distributor. Part Number AT670

UL Fire Protection Listing

UL File EX5324

Evaluated to UL2125 Motor-operated air compressors for use in sprinkler systems.

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