

135 Series

THOMAS
by Gardner Denver

FEATURES

- > Oil-less operation
- > Built-in inlet filter
- > Dust and moisture resistant
- > Proven WOB-L technology
- > Stainless steel and silicone valves
- > Balanced for smooth, low vibration
- > Long life, high performance PTFE compound piston seal
- > Permanently lubricated motor shaft and connecting rod bearings
- > Lightweight plastic and die-cast zinc-aluminum alloy components
- > Optional solenoid valve and swivel connector (135SDCs)
- > RoHS compliant

Declaration documentation available upon request

TYPICAL APPLICATIONS

- > Air Seats
- > Air Suspension
- > Robotic Pipeline Inspection
- > Food & Beverage Equipment

BASE MODELS

135ADC56/12

135SDC56/12
(12V DC)

135ADC56/24

135SDC56/24
(24V DC)



WOB-L

135 Series

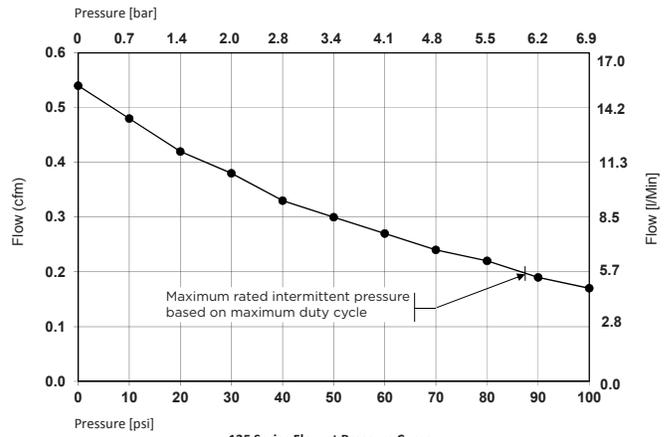
| | |
|----------------------------|-----------------------|
| Flow | 0.54 cfm (15.3 l/min) |
| Max. intermittent pressure | 87 psi (6.0 bar) |
| Max. vacuum | N/A |



135ADC



135SDC



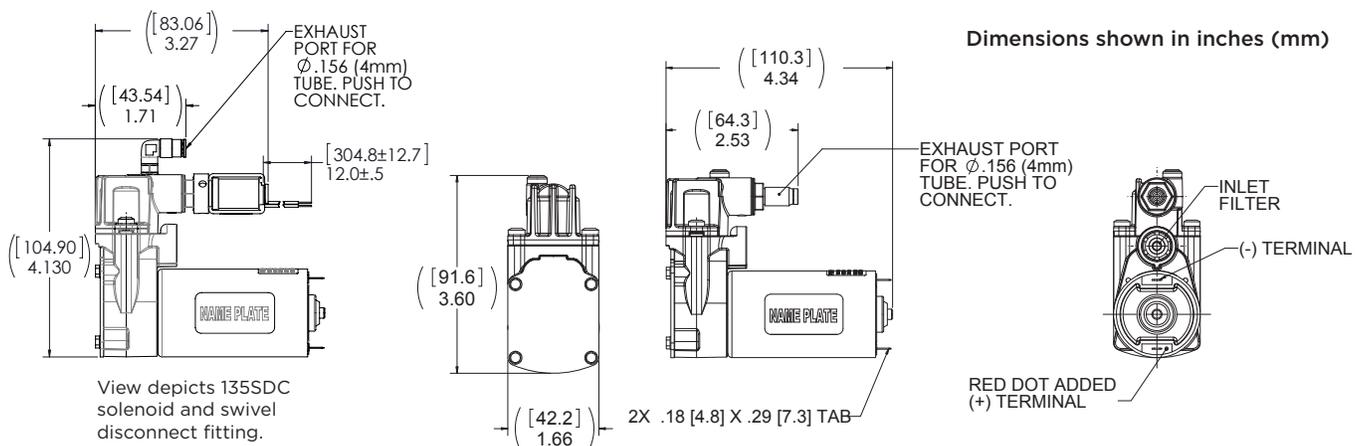
NOTE: All test values are nominal and for reference only. They are not guaranteed maximum or minimum limits, nor do they imply mean or median.

| PERFORMANCE DATA | | T16-0483 | | | |
|----------------------------------|--|-------------------------|-------------------------|-------------------------|-------------------------|
| Model Number | | 135ADC56/12 | 135SDC56/12 | 135ADC56/24 | 135SDC56/24 |
| Head Configuration | | Pressure only | Pressure only | Pressure only | Pressure only |
| Stroke | | 0.56 in. (14.2 mm) |
| Nominal voltage input | | 12V DC | 12V DC | 24V DC | 24V DC |
| Max. open air flow | | 0.54 cfm (15.3 l/min) |
| Max. rated intermittent pressure | | 87 psi (6.0 bar) |
| Current at rated pressure | | 7.9A | 7.9A | 3.8A | 3.8A |
| Power at rated pressure | | 95W | 95W | 92W | 92W |
| Speed at rated pressure | | 3915 rpm | 3915 rpm | 4480 rpm | 4480 rpm |
| Maximum duty cycle | | 1 min. on / 20 min. off |
| Maximum pressure restart | | 120 psi (8.3 bar) |
| Solenoid max operating pressure | | n/a | 175 psi (8.3 bar) | n/a | 175 psi (12.1 bar) |

| ELECTRICAL DATA | | | | | |
|--------------------------------|--|-------------------------|-----------------------------|-------------------------|-----------------------------|
| Motor type (Capacitance) | | Permanent Magnet | Permanent Magnet | Permanent Magnet | Permanent Magnet |
| Motor locked rotor current | | 29.0A | 29.0A | 17.0A | 17.0A |
| Motor insulation class | | Constructed for class B | Constructed for class B | Constructed for class B | Constructed for class B |
| Recommended fuse (customer) | | 10 Amp | 10 Amp | 5.5 Amp | 5.5 Amp |
| Solenoid electrical connection | | n/a | 20 AWG lead wire SXL, black | n/a | 20 AWG lead wire SXL, black |
| Solenoid voltage (Range) | | n/a | 12V DC (9-16V) | n/a | 24V DC (19-28V) |

| GENERAL DATA | | | | | |
|-----------------------------------|--|--------------------|--------------------|--------------------|--------------------|
| Maximum ambient air temperature | | +149°F (+65°C) | +149°F (+65°C) | +149°F (+65°C) | +149°F (+65°C) |
| Minimum ambient start temperature | | -22°F (-30°C) | -22°F (-30°C) | -22°F (-30°C) | -22°F (-30°C) |
| Safety certification | | Tested per EN60335 | Tested per EN60335 | Tested per EN60335 | Tested per EN60335 |
| Net weight | | 1.16 lbs (0.53 kg) | 1.26 lbs (0.57 kg) | 1.16 lbs (0.53 kg) | 1.26 lbs (0.57 kg) |

PRODUCT DIMENSIONS



PUMP AND COMPRESSOR SOLUTIONS FOR OEMS WORLDWIDE

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