

# Pump piPREMIUM400 Si32-3x16

Item number: 01.29.192



- COAX® patented technology
- Side mounted for low building heights
- High vacuum flow
- Compact size and low weight
- Low noise level
- Modular design

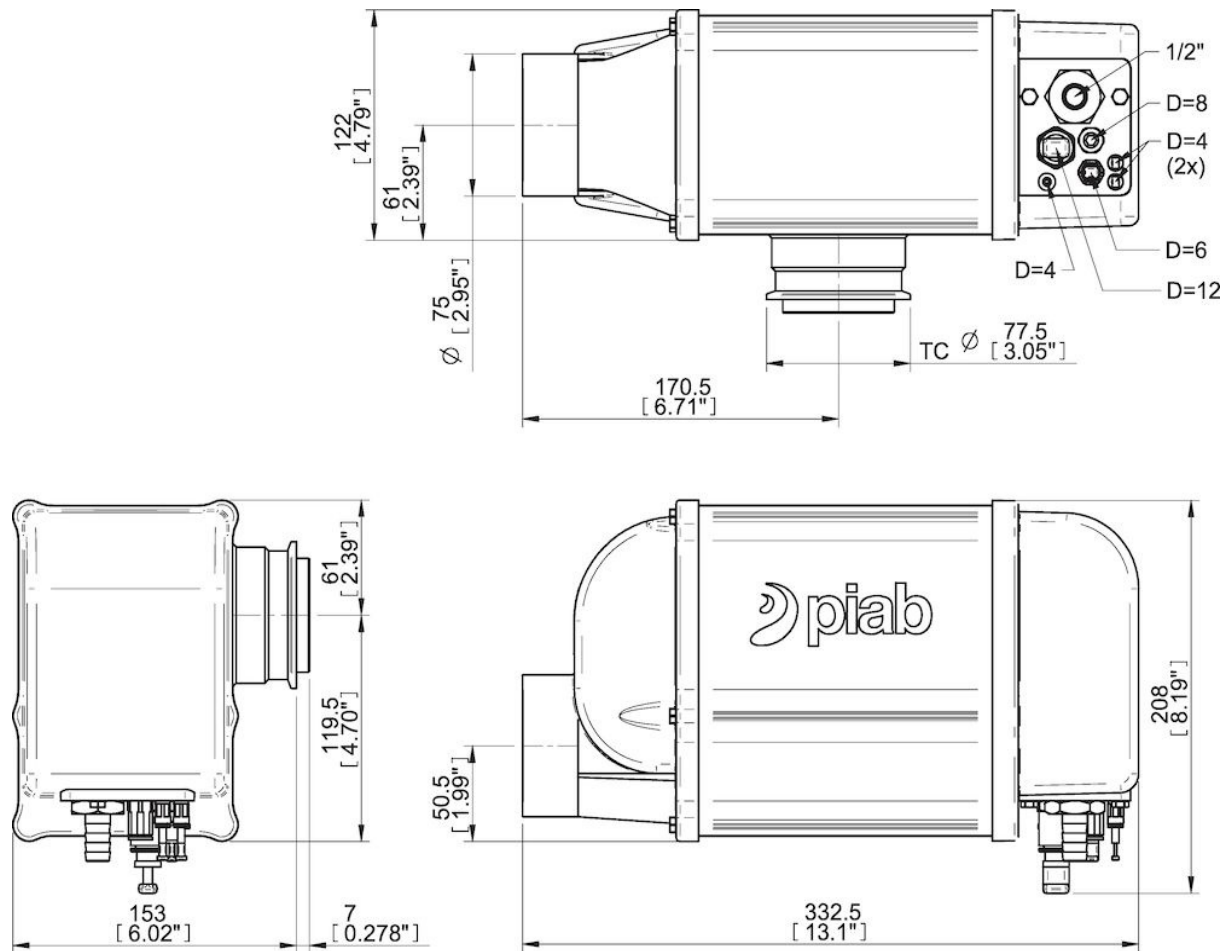
Technical data

| Description                  | Unit  | Value                         |
|------------------------------|-------|-------------------------------|
| Material                     | -     | Al. Nitrile (NBR). PA. PP. SS |
| Temperature, max.            | °F    | 140                           |
| Temperature, min.            | °F    | 32                            |
| Weight, min.                 | oz    | 375                           |
| Feed pressure, max.          | psi   | 102                           |
| Noise level, max.            | dBA   | 77                            |
| Noise level, min.            | dBA   | 69                            |
| Feed pressure, optimum, max. | psi   | 87                            |
| Feed pressure, optimum, min. | psi   | 58                            |
| Vacuum, max.                 | -inHg | 22.15                         |
| Vacuum, min.                 | -kPa  | 203.18                        |

Performance

| Ejector specification | Feed pressure<br>psi | Air consumption<br>scfm | Vacuum flow (scfm) at different vacuum levels (-inHg) |        |       |       |       |       |       |       | Max vacuum<br>-inHg |
|-----------------------|----------------------|-------------------------|-------------------------------------------------------|--------|-------|-------|-------|-------|-------|-------|---------------------|
|                       |                      |                         | 0                                                     | 2      | 5     | 8     | 11    | 14    | 17    | 20    |                     |
| piPREMIUM400          | 58.015               | 42.38                   | 135.61                                                | 88.99  | 63.57 | 40.68 | 27.12 | 13.56 | 3.39  |       | ≥17.72              |
| piPREMIUM400          | 72.52                | 50.85                   | 154.68                                                | 97.47  | 74.16 | 47.46 | 28.82 | 20.98 | 11.87 | 6.14  | ≥20.67              |
| piPREMIUM400          | 87.023               | 59.33                   | 163.16                                                | 101.71 | 88.99 | 57.21 | 30.51 | 20.34 | 16.95 | 11.87 | ≥22.15              |

## Dimensional drawings



### Values specified in this datasheet are tested at (unless otherwise stated):

- Room temperature (20°C [68°F] ± 3°C [5.5°F]).
- Standard atmosphere (101.3 [29.9 inHg] ± 1.0 kPa [0.3 inHg]).
- Compressed air quality, DIN ISO 8573-1 class 4.

### Tolerance and accuracy:

- Feed pressure tolerance ±0.02 MPa [2.9 psi]
- Vacuum flow/evacuation time accuracy ±10%.

### Accessories

- 01.04.490 | Regulator kit 1/2" 100-400
- 01.29.790 | Wall mounting kit pump piPREMIUM 100-400
- 02.01.649 | Maintenance kit piFLOW® pumps
- 01.17.851 | Clamp sealing Ø63.5x1.6 EPDM FDA, flange Ø77.5
- 01.17.852 | Clamp ring 63x1.65 / Ø77.5