



**4 - 11 KW**

**Screw Air Compressor Range**



**firstAIR**

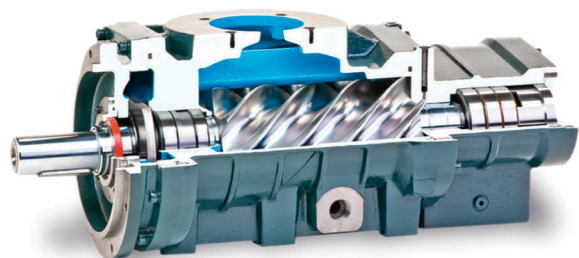
Compressors! No compromises.

# FAS 4 - 11KW

The FAS product range includes air cooled, single stage silenced and packages screw compressors in the power range of 4 - 11kW. These compressors are designed for industrial application and 24x7 continuous duty. All models are driven by highly efficient IE3 efficiency class electric motors.

As an option, FAS compressors are available with pre-assembled accessories like

- ▶ Air receiver
- ▶ Refrigeration Dryer
- ▶ Pre & post down stream filters



## EXCELLENT QUALITY

High quality components in combination with decades of experience in building air ends ensure durability with constantly high efficiency.



## INTEGRATED OIL SEPARATOR IN THE OIL TANK

The large oil tank is equipped with all necessary connections and safety installations and therefore ensures the highest operational safety. The internal high efficiency oil separator guarantees excellent compressed air quality with a remaining oil content of  $< 3\text{mg/m}^3$ .

Through an inspection glass the oil level can be controlled at all times. Service can be conducted quickly and safely – the inlet neck as well as the oil drain valve can be easily accessed.

## HIGH PERFORMANCE SUCTION FILTER

In all models a high performance suction filter is installed. Sucked particles are filtered in two stages: first by centrifugal forces and second by a high efficiency filter element.

## ELECTRIC MOTOR

The driving motor conforms to energy efficiency class IE3, protection class IP55, insulation class F and is thus most suited for rugged, continuous duty industrial application, with highest efficiency.

## HIGH EFFICIENCY COOLING

The cooling system for both air and oil is designed in a way that the compressor can efficiently operate even at high ambient temperature of  $45^\circ\text{C}$ .



## CONFIGURATION TABLE

| Machine Model          | FAS-4 – 11B<br>Base Mounted | FAS-4 – 11T<br>Tank Mounted | FAS-4 – 11A<br>UltraPack | FAS-4 – 11D<br>Skid mounted with Dryer |
|------------------------|-----------------------------|-----------------------------|--------------------------|--|
| Air compressor unit    | ✓                           | ✓                           | ✓                        | ✓                                      |
| Refrigerated air dryer |                             |                             | ✓                        | ✓                                      |
| Pre-filter             |                             |                             | ✓                        | ✓                                      |
| Post-filter            |                             |                             | ✓                        | ✓                                      |
| Air receiver           |                             | ✓                           | ✓                        |  |

# TECHNICAL DATA

| Machine Model                             |                           | FAS-4                      | FAS-6 | FAS-8 | FAS-11   | FAS-11(HE) |
|---|---------------------------|----------------------------|-------|-------|----------|------------|
| Cooling Type                              |                           | Air-cooled                 |       |       |          |            |
| Working pressure/Free Air Delivery CFM    | 7 kg/cm <sup>2</sup> (g)  | 19                         | 28    | 39    | 62       | 76         |
|   | 8 kg/cm <sup>2</sup> (g)  | 18                         | 26    | 36    | 58       | 67         |
|   | 10 kg/cm <sup>2</sup> (g) | 14                         | 23    | 34    | 53       | 59         |
|   | 12 kg/cm <sup>2</sup> (g) | 12                         | 18    | 29    | 49       | 54         |
|   | 14 kg/cm <sup>2</sup> (g) | 11                         | 15    | 25    | 42       | 48         |
|   | 16 kg/cm <sup>2</sup> (g) | 9                          | 13    | 21    | 35       | 40         |
| Electric Motor                            | Power (kW)                | 4                          | 5.5   | 7.5   | 11       | 11         |
|   | Starting method           | Star-Delta                 |       |       |          |            |
|   | Voltage/ Frequency (V/Hz) | 400V, 50Hz                 |       |       |          |            |
|   | Protection Level          | IP 55                      |       |       |          |            |
|   | Insulation Class          | F Class                    |       |       |          |            |
|   | Motor Efficiency          | IE3                        |       |       |          |            |
| Drive                                     |                           | Belt Driven                |       |       |          |            |
| Noise (dBA)                               |                           | 65 +/- 3                   |       |       | 68 +/- 3 |            |
| Oil Carryover (ppm)                       |                           | ≤ 3                        |       |       |          |            |
| Discharge temperature (after cooler) (°C) |                           | ≤ Ambient temperature+15°C |       |       |          |            |
| Lubricant Capaticy (L)                    |                           | 6                          |       |       | 8        |            |
| Outlet (inch)                             |                           | G1/2                       |       |       | G3/4     |            |

| Machine Model - Base Mounted |             | FAS-4B | FAS-6B | FAS-8B | FAS-11B | FAS-11 (HE)B |
|------------------------------|-------------|--------|--------|--------|---------|--------------|
| External Dimension           | Length (mm) | 660    |        | 800    | 880     |              |
|                              | Width (mm)  | 600    |        | 800    | 830     |              |
|                              | Height (mm) | 890    |        | 995    | 1075    |              |
| Weight (kg)                  |             | 230    | 240    | 280    | 300     | 350          |

| Machine Model - Tank Mounted |             | FAS-4T | FAS-6T | FAS-8T | FAS-11T | FAS-11 (HE)T+ |
|------------------------------|-------------|--------|--------|--------|---------|---------------|
| Tank Volume (L)              |             | 300 L  |        |        |         | 500L          |
| External Dimension           | Length (mm) | 1650   |        | 1650   | 1650    | 2174          |
|                              | Width (mm)  | 800    |        | 900    | 900     | 900           |
|                              | Height (mm) | 1533   |        | 1638   | 1716    | 1716          |
| Weight (kg)                  |             | 340    | 405    | 390    | 410     | 520           |

| Machine Model - Ultra Pack |             | FAS-4A | FAS-6A | FAS-8A | FAS-11A | FAS-11 (HE)A+ |
|----------------------------|-------------|--------|--------|--------|---------|---------------|
| Tank Volume (L)            |             | 300 L  |        |        |         | 500L          |
| External Dimension         | Length (mm) | 1650   |        | 1650   | 1650    | 2174          |
|                            | Width (mm)  | 800    |        | 900    | 900     | 900           |
|                            | Height (mm) | 1533   |        | 1638   | 1716    | 1716          |
| Weight (kg)                |             | 378    | 405    | 445    | 465     | 575           |

The data & performance were recorded in accordance with latest ISO 1217 standard.

The sound level was measured in accordance with PNEUROP/CAGI standard.

Tank mounted & Ultrapack models are also available with 500L tank, details on request.

Due to continuous engineering improvements, above features are subject to change without prior notice.

***firstAIR***

Compressors! No compromises.

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**Distributor**

Errors and omissions excepted.

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