

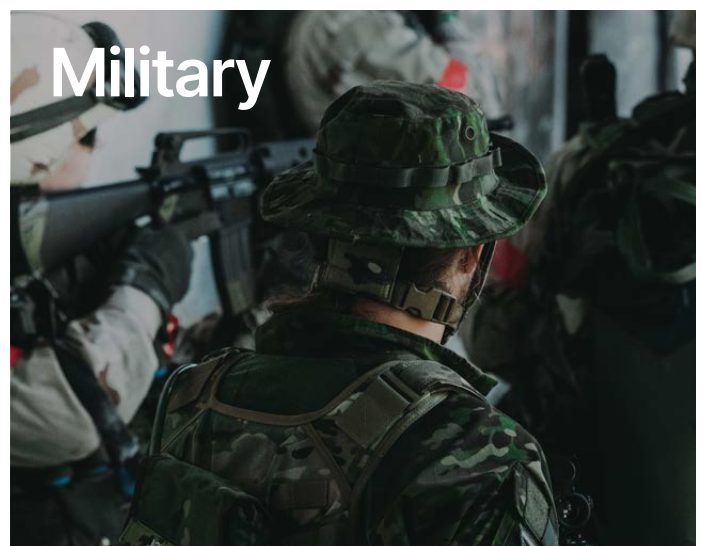
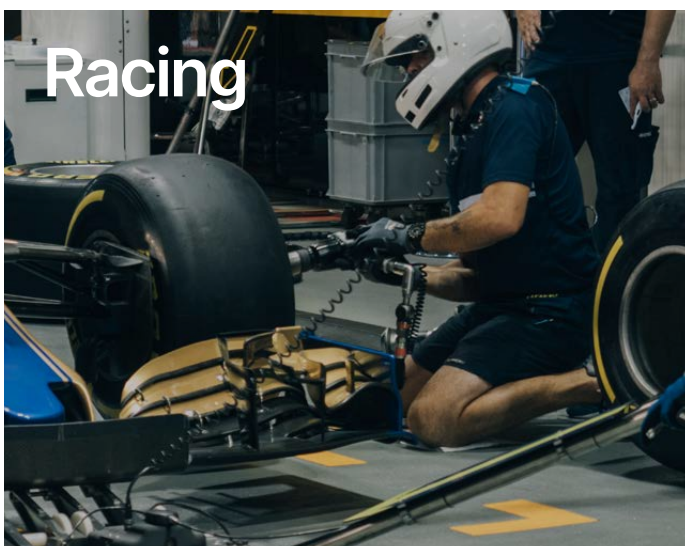
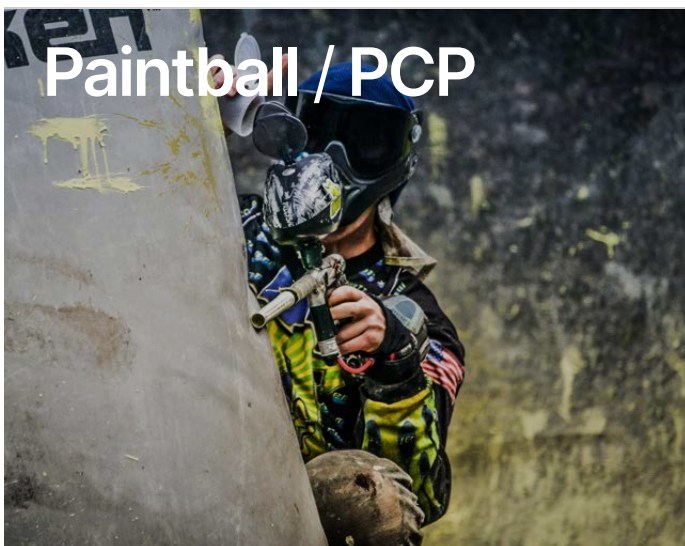


BERGAS
Gas & air compression solutions



CATALOGUE
Portable compressors
Breathing Air
2022

Application



Portables line

Icon LSE

Electric



Icon LSE 50 EM

Icon LSE 100 EM

Icon LSE 100 ET

Charging rate

50 l/min

100 l/min

100 l/min

Filling time¹

60 min

20 min

20 min

Engine power

1,1 kW

Single-phase electric

2,2 kW

Single-phase electric

3 kW

Three-phase electric

¹ Filling time 10 l empty cylinder - 0/200 bar (tolerance ±5%)

The **Icon LSE** series are the world's most widely used portable compressors. Due to their small size and light weight, the models are perfect for a wide range of needs: high-pressure breathing air for diving, recreation, fire fighting and paintball facilities. The models are available with petrol or electric motors, both three-phase and single-phase, and are equipped with the MCH 6 pumping unit. Standard equipment includes a hose fill port with operating pressures from 232 to 330 bar. The user experience is highly customizable with the various options available such as pressure maintenance valve, automatic condensate drain and autostop. Frames are also available in stainless steel.

Working pressure from 232 to 330 bar

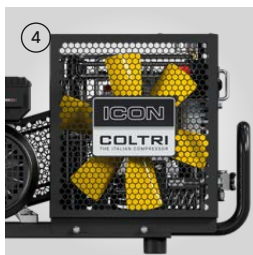
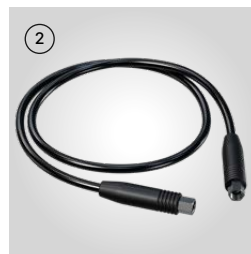
Standard equipment

1 1 filling connection to choose between
(1a) DIN 232, (1b) DIN 300, (1c) INT/YOKE 232 bar

2 1 filling hose of 1.2 m length

3 Hour meter
Only for single-phase electric motor

4 Frame color Black RAL 9005



Optional

- | | | | |
|---|---|----|--|
| 1 | Autostop | 7 | Filling connection QR 300 bar |
| 2 | Automatic condensate drain with timer Only for single-phase electric motor | 8 | Filling connection with gauge QR 232 bar |
| 3 | C-Monitor | 9 | Filling connection with gauge QR 300 bar |
| 4 | Remote suction hose kit | 10 | DIN/INT adapter |
| 5 | Pressure maintaining valve | 11 | Filling connection QR/INT |
| 6 | Filling connection QR 232 bar | 12 | Filling hose. Available: 2 m - 3 m |



Dimensions

Width 61 cm (24")

Depth 37 cm (14.5")

Height 39 cm (15.3")

Dry weight

ICON LSE 50 EM

39,5 kg (87 lb)

ICON LSE 100 EM

39,5 kg (87 lb)

ICON LSE 100 ET

39 kg (85 lb)



Machine parts

- | | | |
|------------------|--------------------------|-------------------------|
| 1 Frame | 6 Air filter | 11 Purification system |
| 2 Pressure gauge | 7 Safety mesh | 12 Condensate separator |
| 3 Electric motor | 8 Anti-vibration devices | 13 Safety valve |
| 4 Pumping unit | 9 Cooling fan | 14 Condensate discharge |
| 5 Oil filler cap | 10 Belt | |

Portables line

Icon LSE

Inox

Electric



**Icon LSE
Inox 50 EM**

**Icon LSE
Inox 100 EM**

**Icon LSE
Inox 100 ET**

Charging rate

50 l/min

100 l/min

100 l/min

Filling time¹

60 min

20 min

20 min

Engine power

1,1 kW

Single-phase electric

2,2 kW

Single-phase electric

3 kW

Three-phase electric

¹ Filling time 10 l empty cylinder - 0/200 bar (tolerance ±5%)

The **Icon LSE** series are the world's most widely used portable compressors. Due to their small size and light weight, the models are perfect for a wide range of needs: high-pressure breathing air for diving, recreation, fire fighting and paintball facilities. The models are available with petrol or electric motors, both three-phase and single-phase, and are equipped with the MCH 6 pumping unit. Standard equipment includes a hose fill port with operating pressures from 232 to 330 bar. The user experience is highly customizable with the various options available such as pressure maintenance valve, automatic condensate drain and autostop. Frames are also available in stainless steel.

Working pressure from 232 to 330 bar

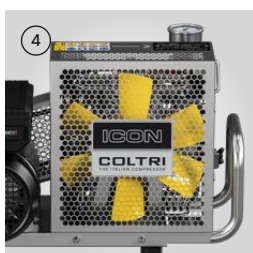
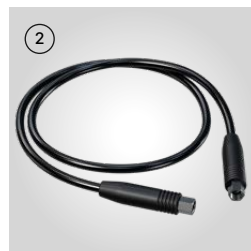
Standard equipment

1 1 filling connection to choose between
(1a) DIN 232, (1b) DIN 300, (1c) INT/YOKE 232 bar

2 1 filling hose of 1.2 m length

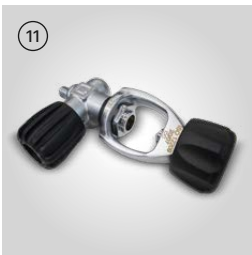
3 Hour meter
Only for single-phase electric motor

4 Stainless steel frame



Optional

- | | | | |
|---|---|----|--|
| 1 | Autostop | 7 | Filling connection QR 300 bar |
| 2 | Automatic condensate drain with timer Only for single-phase electric motor | 8 | Filling connection with gauge QR 232 bar |
| 3 | C-Monitor | 9 | Filling connection with gauge QR 300 bar |
| 4 | Remote suction hose kit | 10 | DIN/INT adapter |
| 5 | Pressure maintaining valve | 11 | Filling connection QR/INT |
| 6 | Filling connection QR 232 bar | 12 | Filling hose. Available: 2 m - 3 m |



Dimensions

Width 61 cm (24")

Depth 37 cm (14.5")

Height 39 cm (15.3")

Dry weight

ICON LSE Inox 50 EM

39,5 kg (87 lb)

ICON LSE Inox 100 EM

39,5 kg (87 lb)

ICON LSE Inox 100 ET

39 kg (85 lb)



Machine parts

- | | | |
|------------------|--------------------------|-------------------------|
| 1 Frame | 6 Air filter | 11 Purification system |
| 2 Pressure gauge | 7 Safety mesh | 12 Condensate separator |
| 3 Electric motor | 8 Anti-vibration devices | 13 Safety valve |
| 4 Pumping unit | 9 Cooling fan | 14 Condensate discharge |
| 5 Oil filler cap | 10 Belt | |

Portables line

Icon

Petrol



Icon 100 SH

Icon 100 SK

Charging rate

100 l/min

100 l/min

Filling time¹

20 min

20 min

Engine power

4,3 kW

Petrol HONDA GP 200

4,1 kW

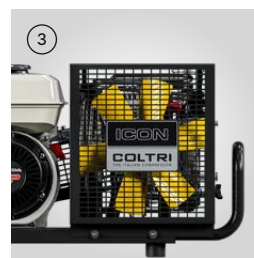
Petrol Kohler SH 265

¹ Filling time 10 l empty cylinder - 0/200 bar (tolerance ±5%)

Working pressure from 232 to 330 bar

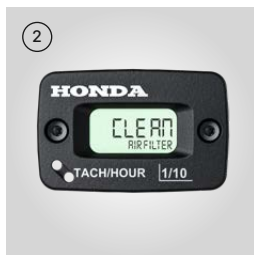
Standard equipment

-
- 1 1 filling connection to choose between
(1a) DIN 232, (1b) DIN 300, (1c) INT/YOKE 232 bar
-
- 2 1 filling hose of 1.2 m length
-
- 3 Frame color Black RAL 9005
-



Optional

- | | | | |
|---|-------------------------------|----|--|
| 1 | Autostop | 7 | Filling connection QR 300 bar |
| 2 | Digital hour meter | 8 | Filling connection with gauge QR 232 bar |
| 3 | C-Monitor | 9 | Filling connection with gauge QR 300 bar |
| 4 | Remote suction hose kit | 10 | DIN/INT adapter |
| 5 | Pressure maintaining valve | 11 | Filling connection QR/INT |
| 6 | Filling connection QR 232 bar | 12 | Filling hose. Available: 2 m - 3 m |



Dimensions

Width 78 cm (30.70")

Depth 32 cm (12.59")

Height 35 cm (13.77")

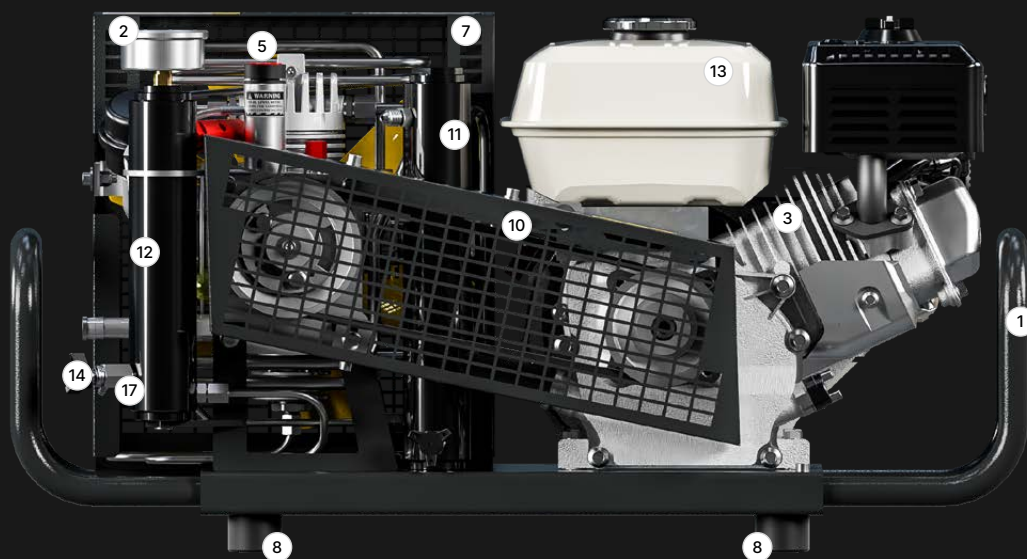
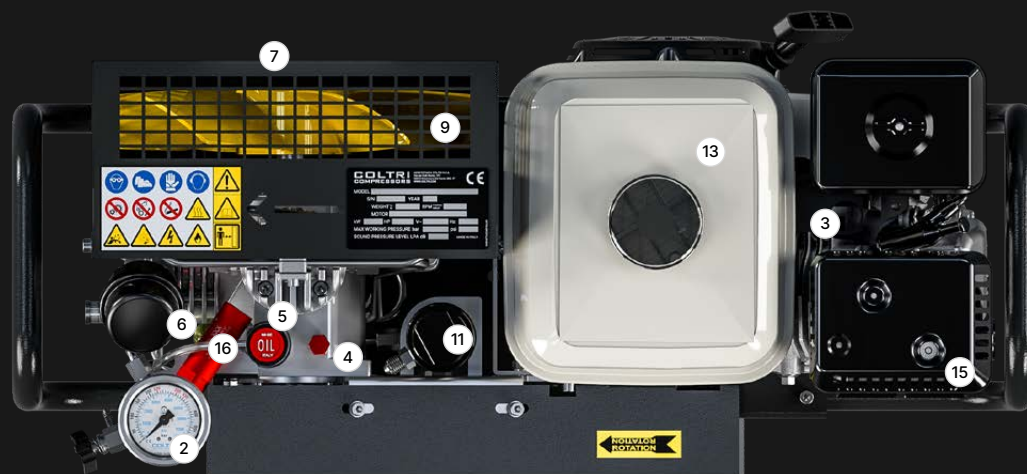
Dry weight

ICON 100 SH

37 kg (81.6 lb)

ICON 100 SK

37 kg (81.6 lb)



Machine parts

- | | | |
|------------------|--------------------------|---------------------------------|
| 1 Frame | 7 Safety mesh | 13 Fuel tank |
| 2 Pressure gauge | 8 Anti-vibration devices | 14 Combustion engine air filter |
| 3 Engine motor | 9 Cooling fan | 15 Combustion engine muffler |
| 4 Pumping unit | 10 Belt | 16 Safety valve |
| 5 Oil filler cap | 11 Purification system | 17 Condensate discharge |
| 6 Air filter | 12 Condensate separator | |

Portables line

Icon Inox

Petrol



Icon Inox 100 SH

Icon Inox 100 SK

Charging rate

100 l/min

100 l/min

Filling time¹

20 min

20 min

Engine power

4,3 kW

Petrol HONDA GP 200

4,1 kW

Petrol Kohler SH 265

¹ Filling time 10 l empty cylinder - 0/200 bar (tolerance ±5%)

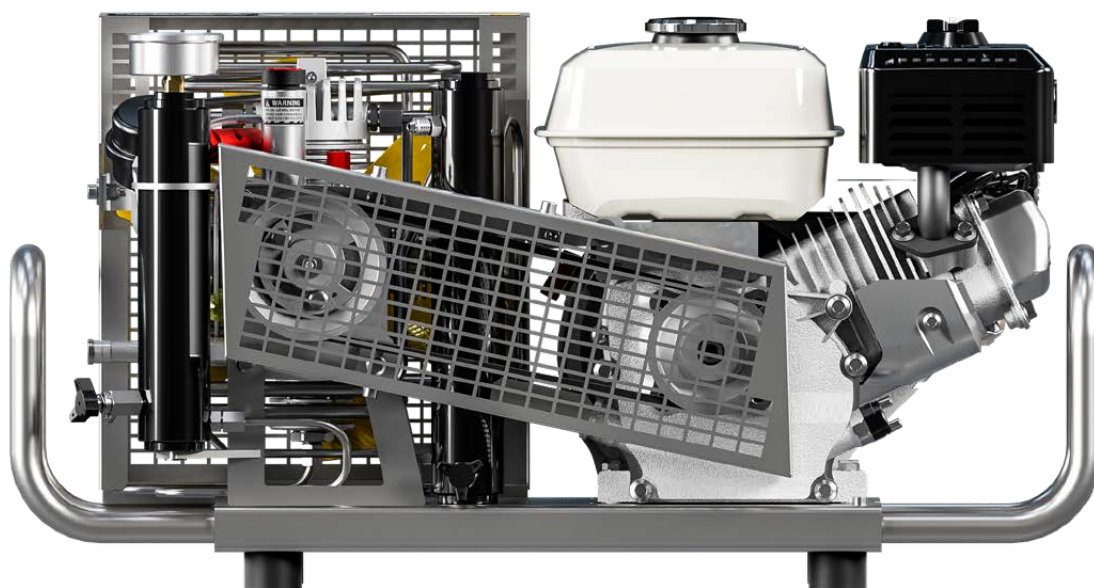
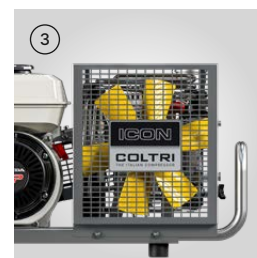
Working pressure from 232 to 330 bar

Standard equipment

1 1 filling connection to choose between
(1a) DIN 232, (1b) DIN 300, (1c) INT/YOKE 232 bar

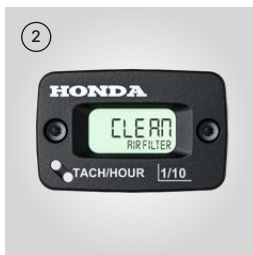
2 1 filling hose of 1.2 m length

3 Stainless steel frame



Optional

- | | | | |
|---|-------------------------------|----|--|
| 1 | Autostop | 7 | Filling connection QR 300 bar |
| 2 | Digital hour meter | 8 | Filling connection with gauge QR 232 bar |
| 3 | C-Monitor | 9 | Filling connection with gauge QR 300 bar |
| 4 | Remote suction hose kit | 10 | DIN/INT adapter |
| 5 | Pressure maintaining valve | 11 | Filling connection QR/INT |
| 6 | Filling connection QR 232 bar | 12 | Filling hose. Available: 2 m - 3 m |



Dimensions

Width 78 cm (30.70")

Depth 32 cm (12.59")

Height 35 cm (13.77")

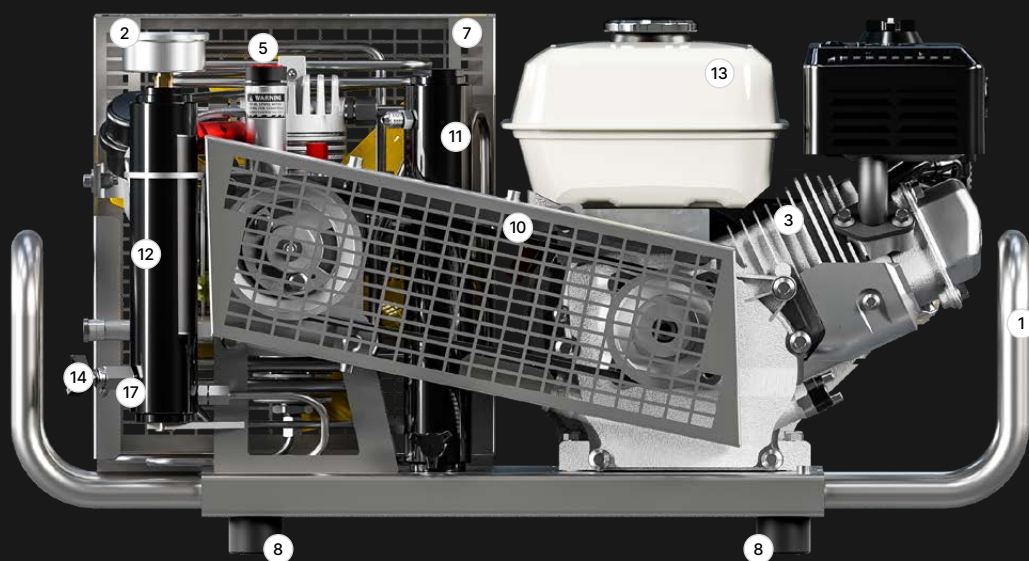
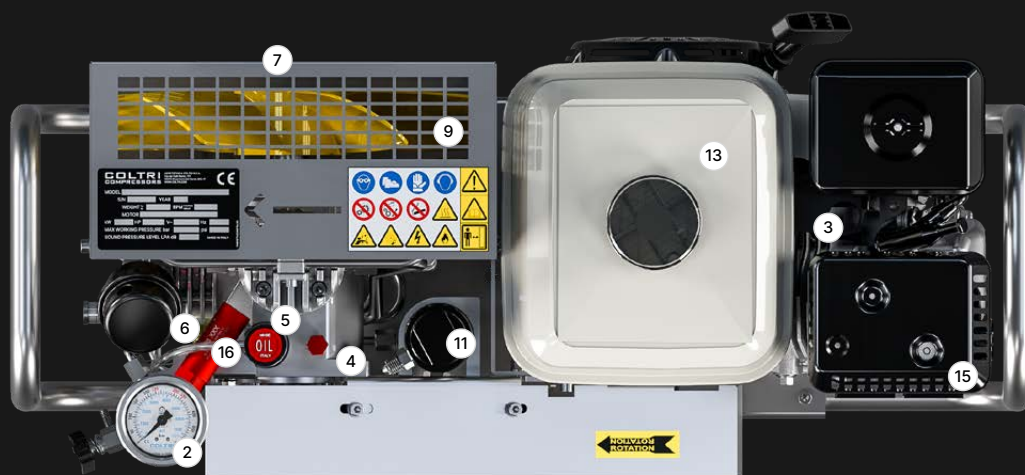
Dry weight

ICON Inox 100 SH

37 kg (81.6 lb)

ICON Inox 100 SK

37 kg (81.6 lb)



Machine parts

- | | | |
|------------------|--------------------------|---------------------------------|
| 1 Frame | 7 Safety mesh | 13 Fuel tank |
| 2 Pressure gauge | 8 Anti-vibration devices | 14 Combustion engine air filter |
| 3 Engine motor | 9 Cooling fan | 15 Combustion engine muffler |
| 4 Pumping unit | 10 Belt | 16 Safety valve |
| 5 Oil filler cap | 11 Purification system | 17 Condensate discharge |
| 6 Air filter | 12 Condensate separator | |

Portables line

Compact

Electric



Compact 100 EM

Compact 100 ET

Charging rate

100 l/min

100 l/min

Filling time¹

20 min

20 min

Engine power

2,2 kW

Single-phase electric

3 kW

Three-phase electric

¹ Filling time 10 l empty cylinder - 0/200 bar (tolerance ±5%)

The **COMPACT** range of compressors are very popular in the marine industry thanks in part to their reinforced, more enveloping chassis. All equipped with the popular MCH 6 pumping unit, they are available with gasoline or electric motors, both three-phase and single-phase. The equipment includes a filling connection for flexible hose with working pressure from 232 to 330 bar. Optional extras include a pressure maintenance valve, automatic condensate drain and auto-stop, all of which allow the product to be tailored to the user's needs. Frames are also available in stainless steel.

Working pressure from 232 to 330 bar

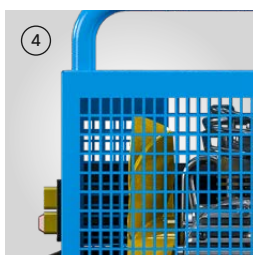
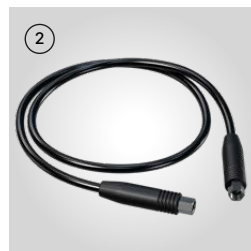
Standard equipment

1 1 filling connection to choose between
(1a) DIN 232, (1b) DIN 300, (1c) INT/YOKE 232 bar

2 1 filling hose of 1.2 m length

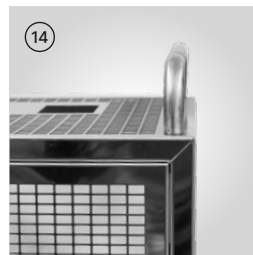
3 Hour meter
Only for single-phase electric motor

4 Frame color Blue RAL 5015 + Black RAL 9005



Optional

- | | | | |
|---|---|----|--|
| 1 | Autostop | 8 | Filling connection QR 300 bar |
| 2 | Automatic condensate drain with timer Only for single-phase electric motor | 9 | Filling connection with gauge QR 232 bar |
| 3 | Pressure regulator 300 - 232 bar | 10 | Filling connection with gauge QR 300 bar |
| 4 | C-Monitor | 11 | DIN/INT adapter |
| 5 | Remote suction hose kit 3 m | 12 | Filling connection QR/INT |
| 6 | Pressure maintaining valve | 13 | Filling hose. Available: 2 m - 3 m |
| 7 | Filling connection QR 232 bar | 14 | Stainless steel frame |

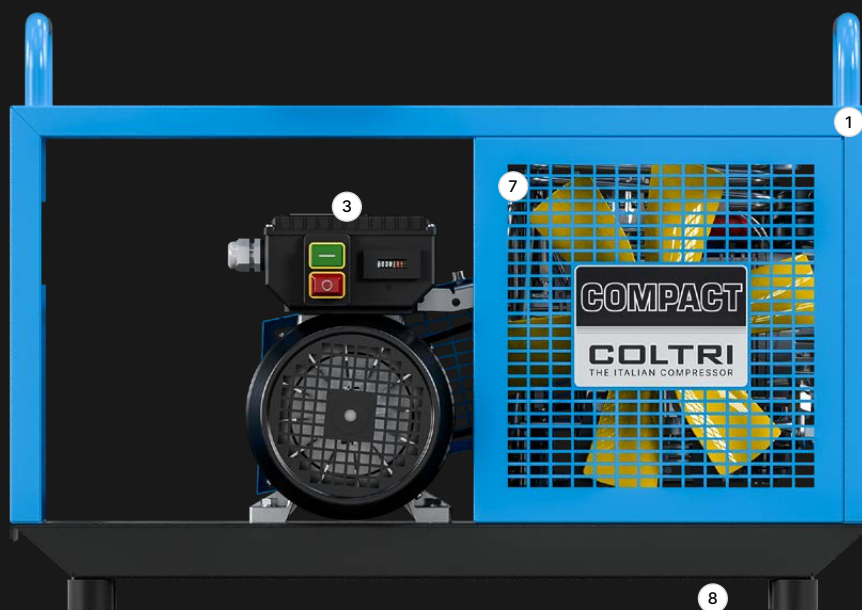
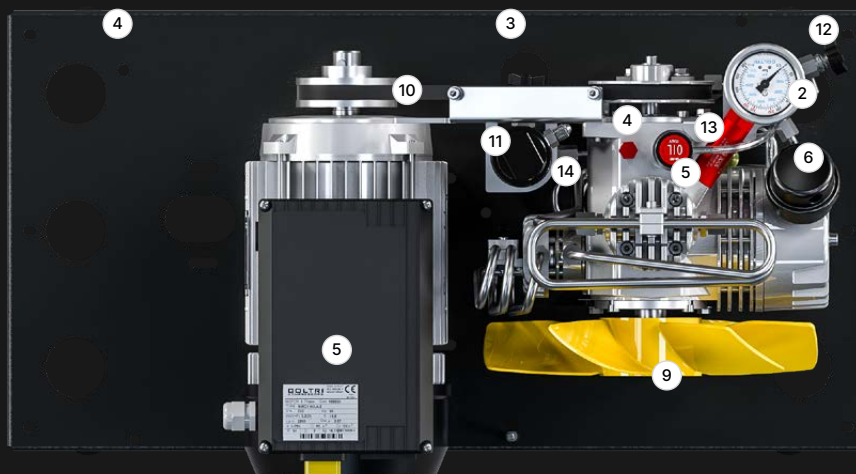


Dimensions

Width 73 cm (28.7")
 Depth 37 cm (14.5")
 Height 47 cm (18.5")

Dry weight

COMPACT 100 EM
 57 kg (126 lb)
COMPACT 100 ET
 57 kg (126 lb)



Machine parts

- | | | |
|------------------|--------------------------|-------------------------|
| 1 Frame | 6 Air filter | 11 Purification system |
| 2 Pressure gauge | 7 Safety mesh | 12 Condensate separator |
| 3 Electric motor | 8 Anti-vibration devices | 13 Safety valve |
| 4 Pumping unit | 9 Cooling fan | 14 Condensate discharge |
| 5 Oil filler cap | 10 Belt | |

Portables line

Compact

Petrol



Compact 100 SH

Charging rate

100 l/min

Filling time¹

3.50 min

Engine power

4,3 kW

Petrol HONDA GP 200

¹ Filling time 10 l empty cylinder - 0/200 bar (tolerance ±5%)

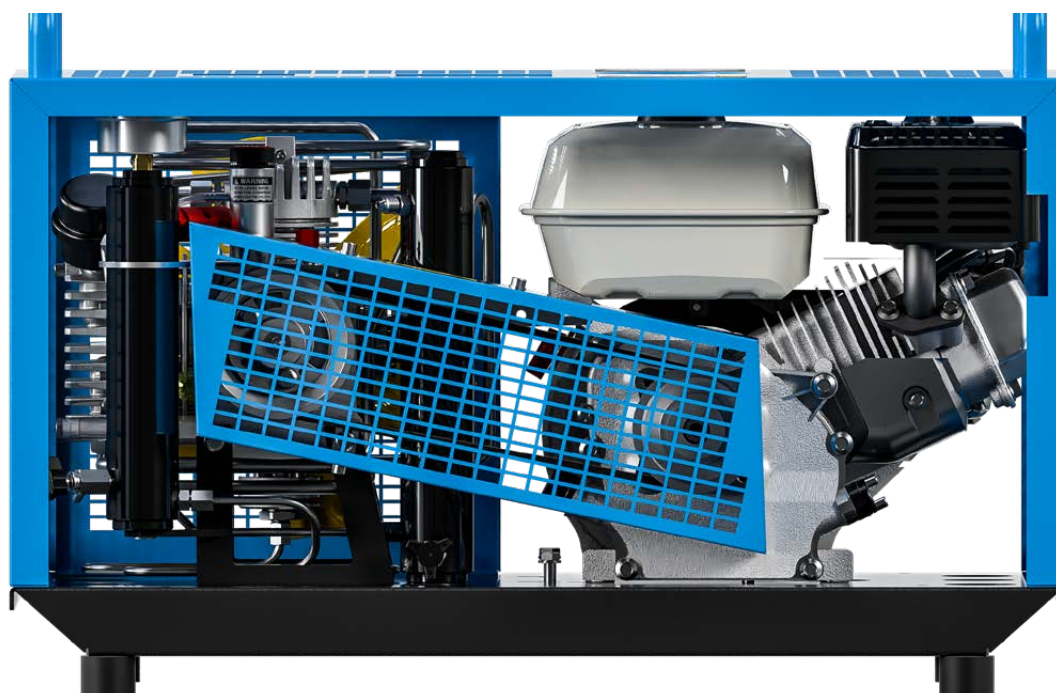
Working pressure from 232 to 330 bar

Standard equipment

1 1 filling connection to choose between
(1a) DIN 232, (1b) DIN 300, (1c) INT/YOKE 232 bar

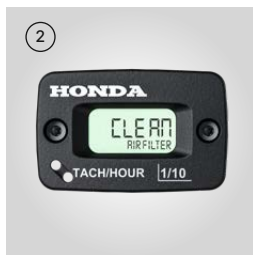
2 1 filling hose of 1.2 m length

3 Frame color Blue RAL 5015 + black ral 9005



Optional

- | | | | |
|---|-------------------------------|----|--|
| 1 | Autostop | 8 | Filling connection with gauge QR 232 bar |
| 2 | Digital hour meter | 9 | Filling connection with gauge QR 300 bar |
| 3 | C-Monitor | 10 | DIN/INT adapter |
| 4 | Remote suction hose kit 3 m | 11 | Filling connection QR/INT |
| 5 | Pressure maintaining valve | 12 | Filling hose. Available: 2 m - 3 m |
| 6 | Filling connection QR 232 bar | 13 | Stainless steel frame |
| 7 | Filling connection QR 300 bar | | |

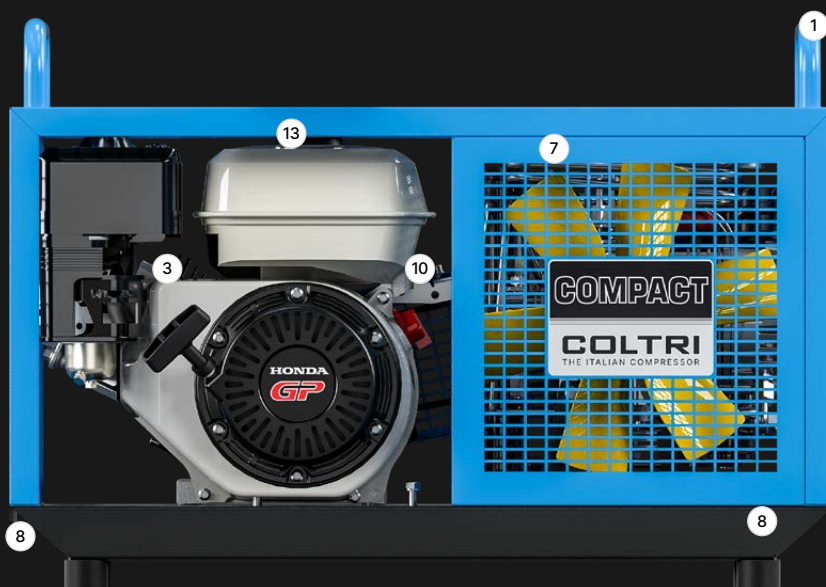
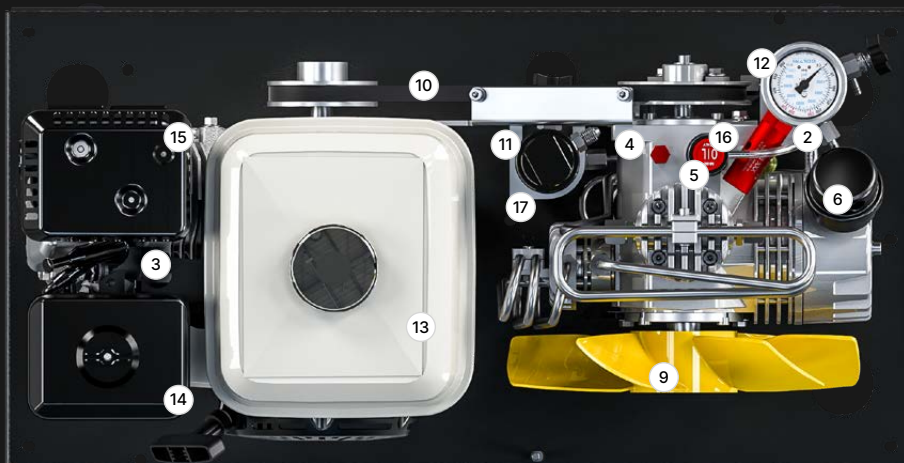


Dimensions

Width 76 cm (28.7")
 Depth 37 cm (14.5")
 Height 47 cm (18.5")

Dry weight

COMPACT 100 SH
 47 kg (104 lb)



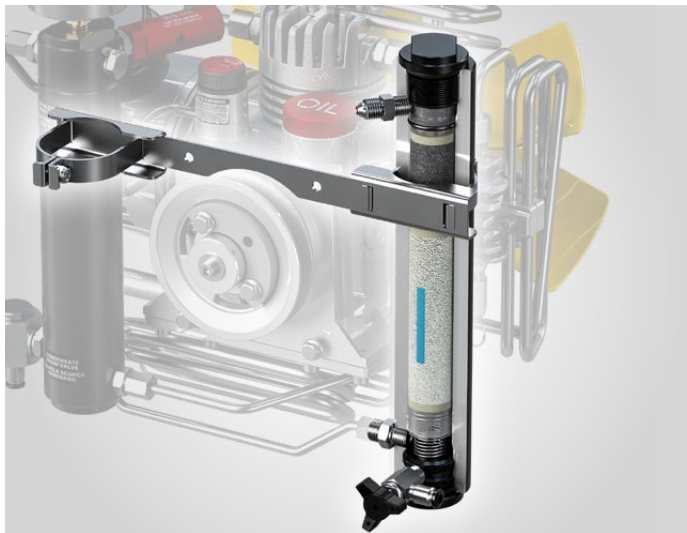
Machine parts

- | | | |
|------------------|--------------------------|--------------------------------|
| ① Frame | ⑦ Safety mesh | ⑬ Fuel tank |
| ② Pressure gauge | ⑧ Anti-vibration devices | ⑭ Combustion engine air filter |
| ③ Engine motor | ⑨ Cooling fan | ⑮ Combustion engine muffler |
| ④ Pumping unit | ⑩ Belt | ⑯ Safety valve |
| ⑤ Oil filler cap | ⑪ Purifier filter | ⑰ Condensate discharge |
| ⑥ Air filter | ⑫ Condensate separator | |

Purification system

Purification system ECO-FILTER

ECO-FILTER disposable cartridge



Separator system

- Final separator for removal of oil/water condensate
- Final safety valve, mounted on the separator housing



Purification system ECO-FILTER

| Purification system | Eco-Filter |
|---|--------------------|
| Operating pressure (Standard) | 232 bar / 330 bar |
| Operating pressure max. (PS) | 360 bar |
| Processable air capacity (air inlet temperature in the filter 20° C at 300 bar) ¹ | 210 m ³ |

¹ When using a filter cartridge without HOPCALITE CO CATALYST.

When using a cartridge with CO-removal, the processable air capacity is reduced by ca. 20%.

Separator system

| Contamination | Maximum content as per DIN EN 12021:2014 | Air quality* |
|------------------|--|-------------------------|
| H ₂ O | 25 mg/m ³ | ≤ 10 mg/m ³ |
| CO | 5 ppm(v) | ≤ 4 |
| CO ₂ | 500 ppm(v) | ≤ 500 |
| Oil | 0,5 mg/m ³ | ≤ 0,5 mg/m ³ |

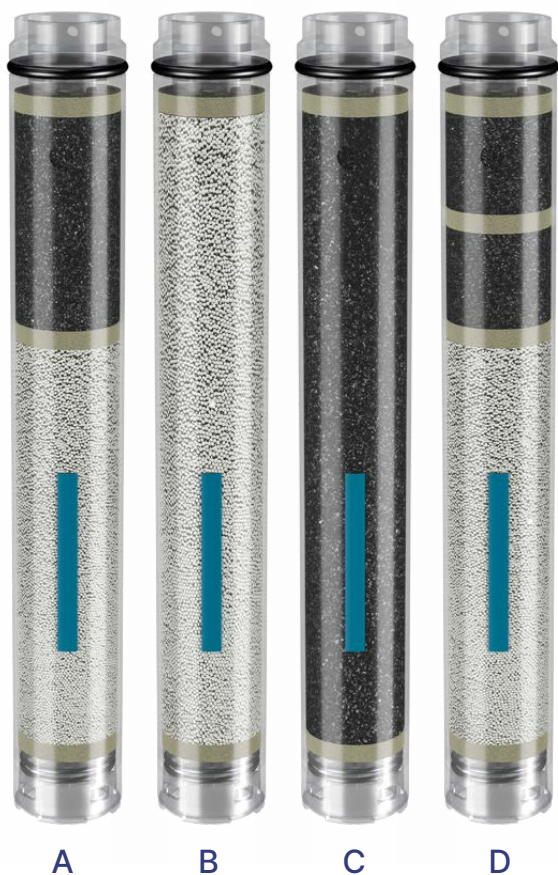
* Measured at our facility using ASCO HORA 160 ANALYZER.

¹ Only with special filter cartridge with HOPCALITE CO CATALYST. and up to a maximum concentration of 25 ppm CO in intake air. The compressed clean breathing air then contains a maximum of 5 ppm CO.

² The level of CO₂ in the intake air must not exceed the maximum level of CO₂ as per EN 12021:2014

³ Reported values exceed ISO 8573-1 standards.

ECO-FILTER cartridges



- A with molecular sieve and activated carbon
Standard on electric motor compressors.
- B with molecular sieve
- C with activated carbon
- D with molecular sieve, activated carbon and CO-catalyst
Standard on engine motor compressors.

Synthetic Coltri Oil ST 755










A fully synthetic oil specifically developed for long lasting lubrication of process gas compressors and especially for breathing air. It provides outstanding performance in all types of compressors.



Optional

C-Monitor

Final filter monitoring system, oil change and technical interface.

The interface consists of an LCD display, a button  and two indicators (, ). The decimal points next to the digits are indicator lights to indicate alarms or warnings in progress. Each dot is associated with an explanatory icon (, , ). The icon  indicates an alarm condition while the symbol  indicates normal operation. Press the button  to scroll through the different functions of the menu. When pressed, the function is displayed and after two 2 seconds the corresponding data is displayed.



Autostop

Compressor automatically switches off when it reaches the final pressure.

Composed of:

1 x Pressure switch

- 230 bar - COD. SC000521/232 (safety valve 250 bar)
- 300 bar - COD. SC000521/300 (safety valve 330 bar)



Automatic condensate drain with timer

Available only for compressors with electric motor.

The automatic condensate drain removes water from the intermediate separator and the final separator automatically during operation (every 7 minutes).

Composed of:

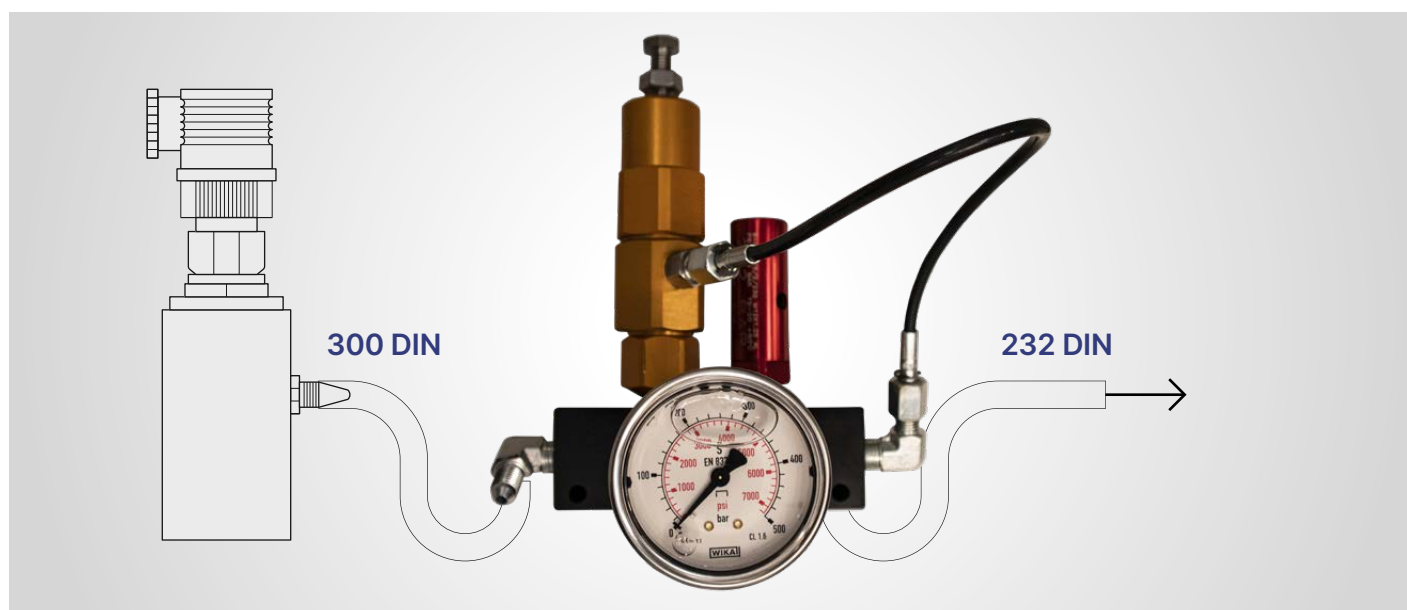
- 1 x timer
- 1 x solenoid valve



Dual pressure system 300 - 232 bar

For electric motor Compact models only.

Double simultaneous charging pressure.



Third Lung line

Eolo 330

Electric - Petrol



Eolo 330 EM

Eolo 330 ET

Eolo 330 SH

Charging rate

330 l/min

330 l/min

330 l/min

Tank capacity

4,5 liters

4,5 liters

4,5 liters

Engine power

2,2 kW

Single-phase electric

3,0 kW

Three-phase electric

3,6 kW

Petrol HONDA GP 200

The **EOLO 330** series is composed of low pressure Coltri breathing air compressors, suitable for professional use and driven by a three-cylinder pumping unit that guarantees excellent performance. Equipped with a filter with interchangeable cartridge, it is ideal for underwater work or with ventilated helmets. The available motorizations are electric, single-phase or three-phase, and Honda internal combustion engines. The watchword is maneuverability, thanks to the built-in tank and the presence of wheels.

Working pressure 8 bar

Dimensions

Width 90 cm (35.4")
Depth 45 cm (17.7")
Height 57 cm (22.4")

Dry weight

EOLO 330 EM 55 kg (121 lb)
EOLO 330 ET 55 kg (121 lb)
EOLO 330 SH 54 kg (119 lb)

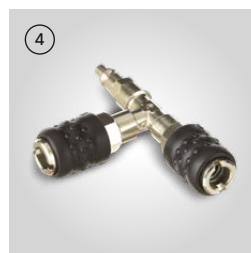
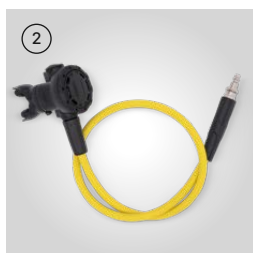
Standard equipment

-
- 1 Breathing air filter
-
- 2 Adjustable pressure switch
-



Optional

-
- 1 Remote suction hose kit 3 m
-
- 2 2nd stage regulator
-
- 3 Food grade floating pipe
-
- 4 Double output T-coupling
-



For more information, please
contact us or visit our web-site



www.bergas.mk



contact@bergas.mk

