

GOMPANY

The company has constantly evolved by closely following the rapid progress of production tools, thus creating more and more reliable products using cutting-edge equipment, such as robots and mechanical equipment with numerical controls.

In the Aerotecnica Coltri workshops, designing new products is predominately aimed at the quest for quality in order to create absolutely reliable and long-lasting products.

Every component of our pumping units is designed and manufactured in the Aerotecnica Coltri workshops. All the compressors found in this catalogue are assembled entirely within the company.

Aerotecnica Coltri's readiness to foresee advanced technology has led us to improve the operational quality and precision of our compressors.









PRODUCTION



The production of high quality mechanical parts in Aerotecnica Coltri workshops is guaranteed by an efficient quality control system in the production cycle.

DEA®, our equipment, has a significant role in measuring dimensions since it can detect the geometrical characteristics of the parts and anticipate their behaviour when used as pieces of more complex components.

DEA® makes it possible to carry out precise measurements of objects with extremely variable dimensions and geometrical configurations as well as guaranteeing the production of the precise mechanical parts present in Coltri's compressors.

Through continuous refinement, Aerotecnica Coltri obtains quality certificates recognised around the world.

QUALITY _____

UNI EN ISO 9001:2015



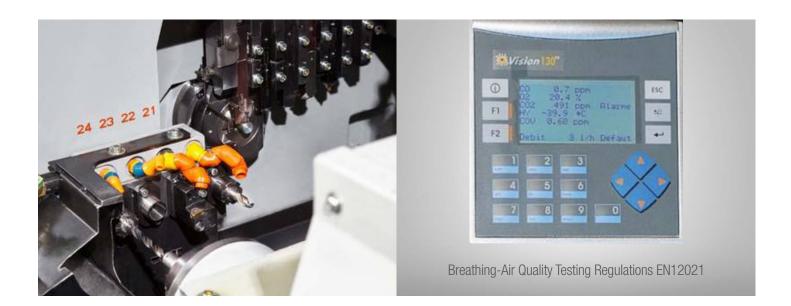
SISTEMA DI GESTIONE QUALITÀ CERTIFICATO











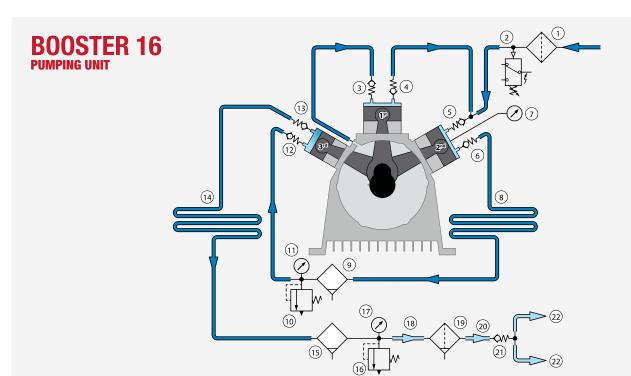


DESCRIPTION

The COMPACT air-cooled high-pressure booster is the ideal solution for compressing air, nitrogen and technical gases when there is a non-atmospheric suction pressure between 2 and 8 bar. The ergonomic design offers excellent accessibility to the controls, and its compact dimensions mean it can be installed in confined spaces. Equipped with automatic condensate drain as well as an autostop and re-start switch.







- 1 Intake filter
- 2 Pressure switch
- 3 Intake valve 1st stage
- 4 Outlet valve 1st stage
- 5 Intake valve 2nd stage
- 6 Outlet valve 2nd stage
- 7 Suction pressure gauge
- 8 Cooling pipe 2nd/condensate separator
- **9** Condensate separator
- 10 Safety valve 2nd stage
- **11** Pressure gauge 2nd stage

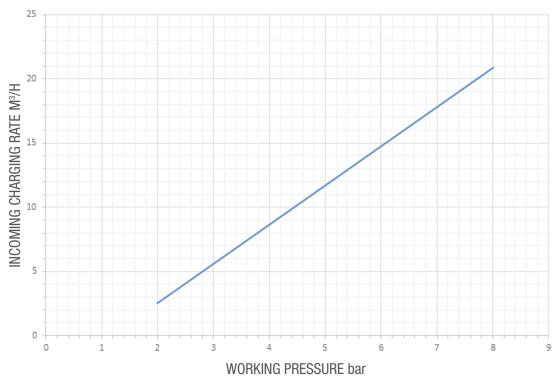
- 12 Intake valve 3rd stage
- 13 Outlet valve 3rd stage
- **14** Aftercooler
- **15** Condensate separator
- **16** Safety valve
- **17** Pressure gauge
- **18** Pipe separator/filter
- **19** Purifier filter
- 20 Pipe filter/pressure maintenance valve
- **21** Pressure maintenance valve
- 22 Flex hoses

TECHNICAL DATA

DRIVEN BY	THREE-PHASE ELECTRIC MOTOR
CHARGING RATE	255÷615 l/min - 15.2÷36.8 m³/h - 8.9÷21.6 CFM FAD
INCOMING CHARGING RATE	From 2.5 m³/h - 1.4 CFM FAD 2 bar - 29 psig to 21 m³/h - 12.6 CFM FAD 8 bar - 116 psig
WORKING PRESSURE	232 - 300 - 330 bar - 3365 - 4351 - 4786 psig
NET WEIGHT Approx.	163 kg - 359 lb
NOISE Lwa	74.5 dB

GRAPHIC

BOOSTER CHARGING RATE 5,5 KW



STANDARD



Electrical cabinet with hour meter



Automatic condensate drain and autostop



Oil level switch/auto shut off



Phase controller that prohibits reverse rotation



Pressure gauges interstage control + entry pressure



Restart

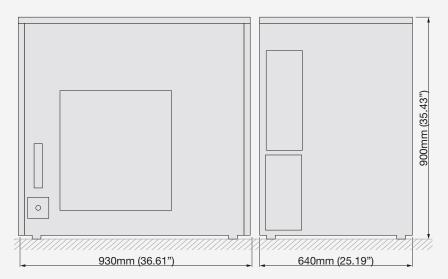


Pressure switch on entrance

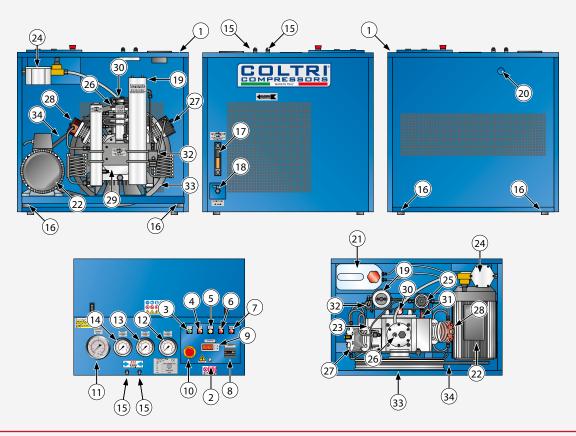


Thermostat
Cabin temperature
thermostat/auto shut off

DIMENSIONS



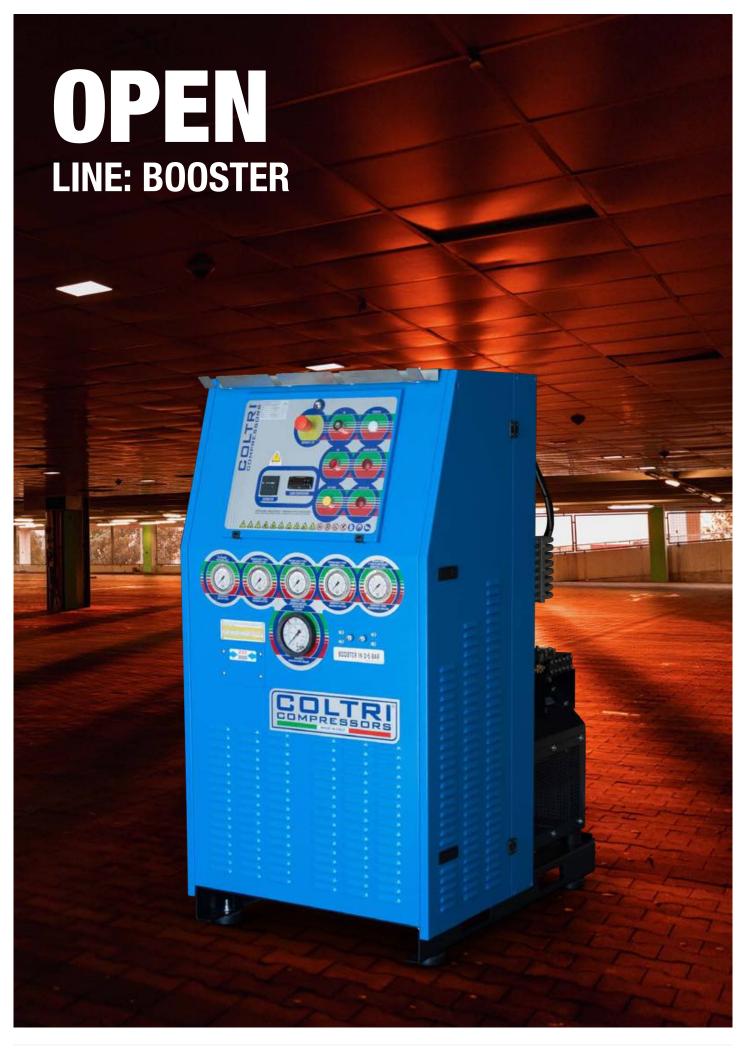
MACHINE PARTS



- 1 Frame
- 2 Control pannel
- 3 ON switch
- 4 Stop pushbutton
- **5** Condensate discharge pushbutton
- 6 Oil level warning light
- **7** Direction of rotation indicator light
- 8 Hour counter
- **9** Cabinet interior / cooling air temperature
- **10** Emergency pushbutton
- **11** Automatic shutdown pressure switch

- **12** 3rd stage pressure gauge
- **13** 2nd stage pressure gauge
- **14** 1st stage pressure gauge
- **15** High pressure gas output
- **16** Anti-vibration device
- 17 Oil level
- 18 Oil discharge valves
- **19** Purifier filter
- 20 Intake extension hole
- **21** Condensate collection can
- **22** Motor
- 23 Compressor

- **24** Filter
- 25 Final condensate separator
- **26** 1st stage
- **27** 2nd stage
- 28 3rd stage
- 29 Monobloc
- **30** Oil filler plug
- **31** Safety valve
- **32** Maintenance valve
- **33** Cooling fan
- 34 Belt

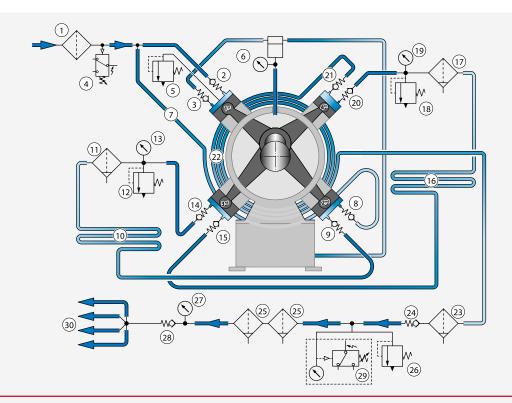


DESCRIPTION

The OPEN model is a high pressure booster compressor based on the efficient MCH 36 pumping unit. The control and command components, essential for daily tasks, are on the front panel for easy access.



BOOSTER 40 PUMPING UNIT



- 1 Intake filter
- 2 Intake valve 1st stage
- **3** Outlet valve 1st stage
- 4 Pressure switch
- **5** Safety valve 1st stage
- **6** Pressure gauge 1st stage
- **7** Cooling pipe 1st-2nd stage
- 8 Intake valve 2nd stage
- **9** Outlet valve 2nd stage
- **10** Cooling pipe 2nd-3rd stage

- 11 Condensate separator
- **12** Safety valve 2nd stage
- **13** Pressure gauge 2nd stage
- 14 Intake valve 3rd stage
- **15** Outlet valve 3rd stage
- **16** Cooling pipe 3rd-4th stage
- 17 Condensate separator
- **18** Safety valve 3rd stage
- **19** Pressure gauge 3rd stage
- 20 Intake valve 4th stage

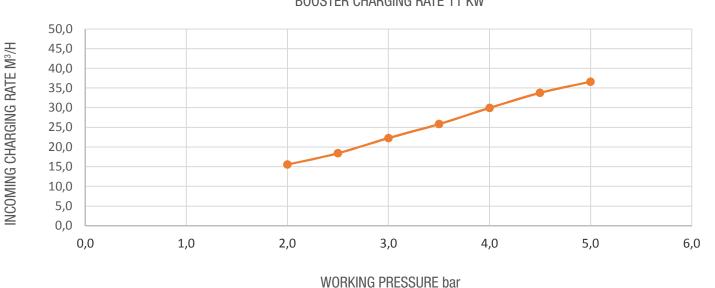
- 21 Outlet valve 4th stage
- **22** Final cooling pipe
- **23** Condensate separator
- 24 Non return valve
- **25** Active carbon air filter
- **26** Safety valve
- **27** Pressure gauge 4th stage
- **28** Pressure maintenance valve
- **29** Pressure switch
- **30** Flex hoses

TECHNICAL DATA

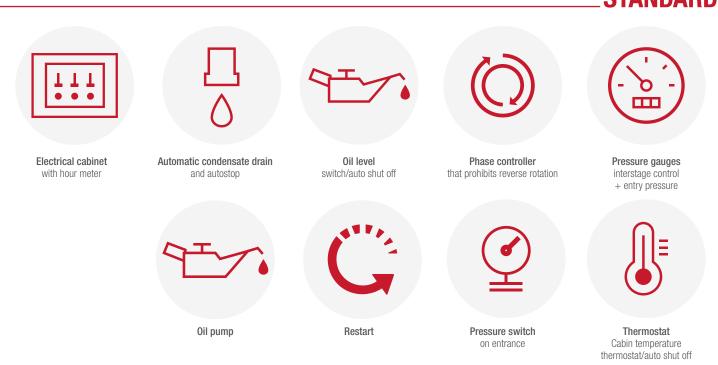
DRIVEN BY	THREE-PHASE ELECTRIC MOTOR
CHARGING RATE	258÷610 l/min - 15,48÷36,6 m³/h - 9.1÷21.5 CFM FAD
INCOMING CHARGING RATE	From 15,5 $$ m 3 /h - 9.1 CFM FAD 2 bar - 29 psig to 36,6 $$ m 3 /h - 21.5 CFM FAD a 5 bar - 72.5 psig
WORKING PRESSURE	232 - 300 - 330 - 420 bar - 3365 - 4351 - 4786 - 6091 psig
NET WEIGHT Approx.	375 kg - 827 lb
NOISE Lwa	78 dB

GRAPHIC

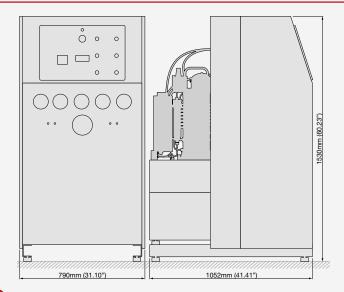
BOOSTER CHARGING RATE 11 KW



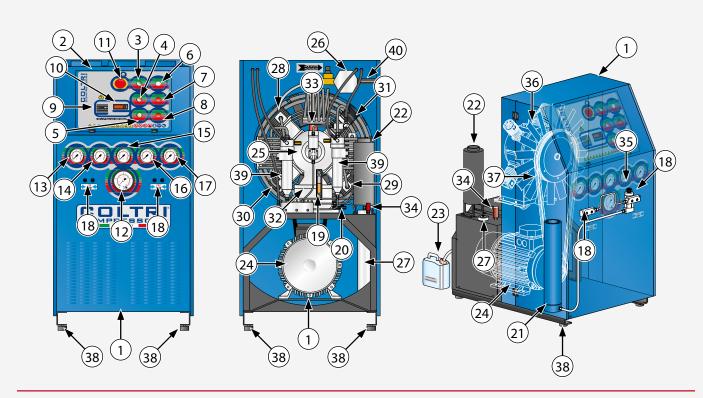
STANDARD



DIMENSIONS



MACHINE PARTS



- 1 Frame
- 2 Control pannel
- 3 ON pushbutton
- 4 Stop pushbutton
- Condensate discharge pushbutton 5
- 6 Power indicator light
- 7 Direction of rotation indicator light
- 8 Oil level warning light
- 9 Hour counter
- **10** Cabinet interior / cooling air temperature **23** Condensate collection can
- **11** Emergency pushbutton
- **12** Automatic shutdown pressure switch
- 13 Oil pressure gauge
- **14** 1st stage pressure gauge

- **15** 2nd stage pressure gauge
- **16** 3rd stage pressure gauge
- 17 4th stage pressure gauge/ working pressure
- **18** Pressure gas outlet
- 19 Oil level
- 20 Oil discharge valves
- 21 Purifier filter
- **22** Condensate collection container
- **24** Motor
- **25** Compressor
- 26 Air filter
- **27** Final condensate separator

- 28 1st stage
- 29 2nd stage
- **30** 3rd stage
- **31** 4th stage
- 32 Monobloc
- **33** Oil filler plug
- **34** Safety valve
- **35** Maintenance valve
- **36** Cooling fan
- **37** Belt
- **38** Anti-vibration device
- Condensate separator
- 40 Gas inlet 2÷5bar

