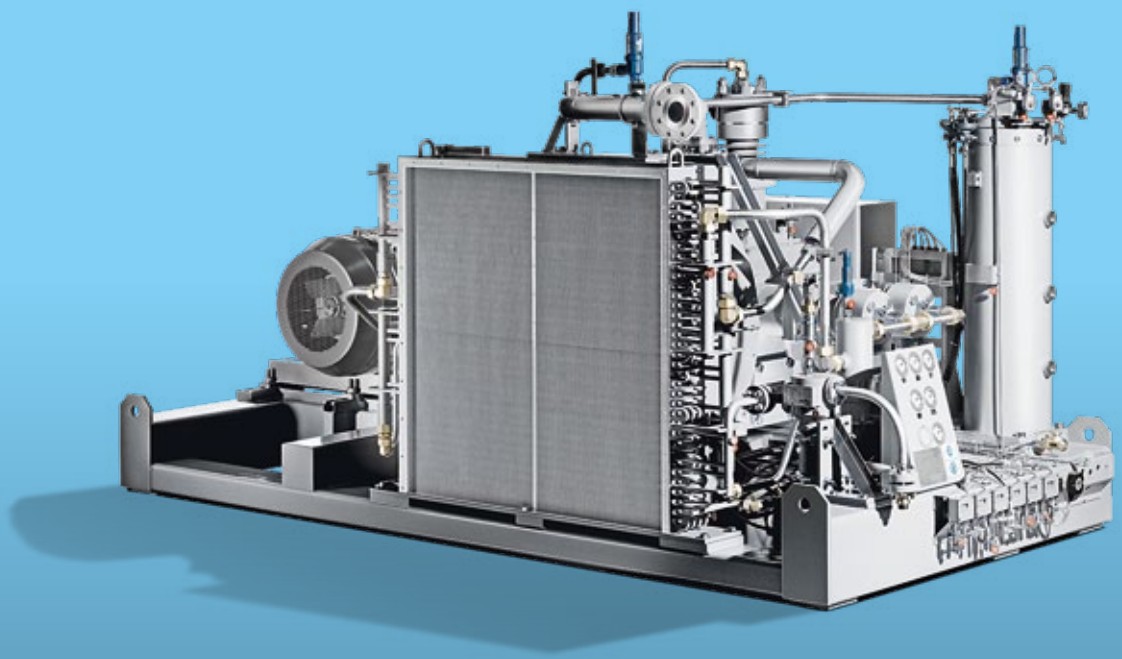
High Pressure Compressor Type CT



Atlas Copco

GREENFIELD

Atlas Copco with its GREENFIELD product range is your specialist for high-pressure systems. With a century of experience in this business we have been able to maintain and even improve our strong market position providing total solutions – from a single compressor to complete systems.

Today the GREENFIELD product range is the technology leader worldwide with its high-end premium products engineered in Switzerland.

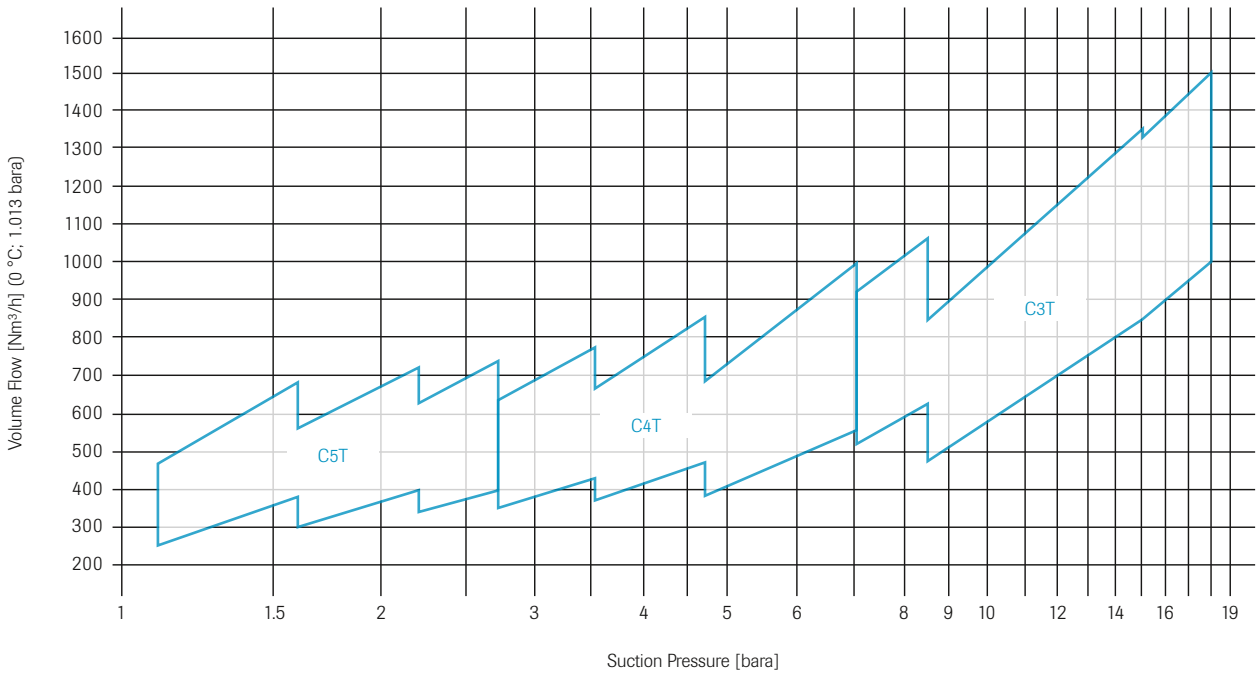
With a century of experience in high-pressure technology and the fact of thousands of compressors installed worldwide, the GREENFIELD product range is ready to serve your needs for peak performance and success in the market.

Atlas Copco has global access to over 150 markets, which are served through our production facilities for high pressure compressor either in France, United States, India and China.

This comprehensive Sales and Service Network assures our customers direct access to the most reliable and techno ment available.

Flow Rate Diagram

(typical for natural gas, 271 bara working pressure, 50 Hz)



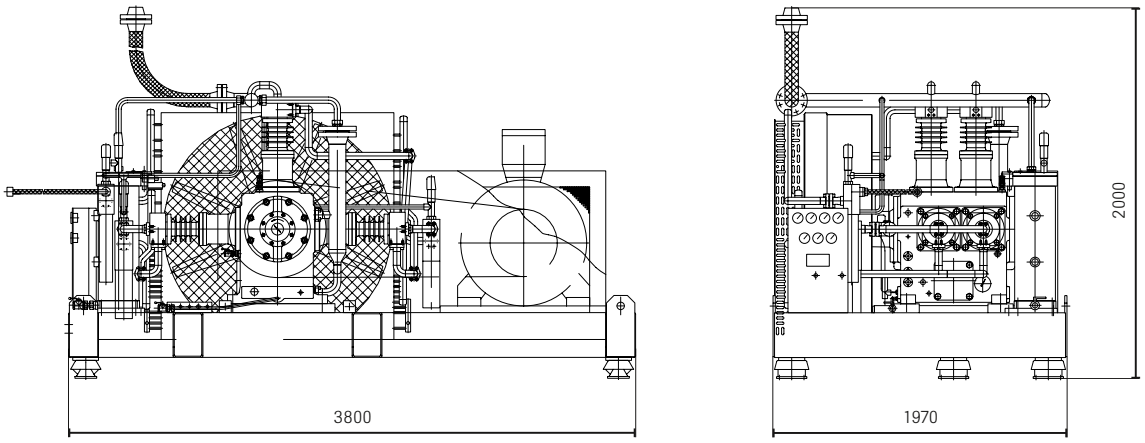
Compressor Type CT

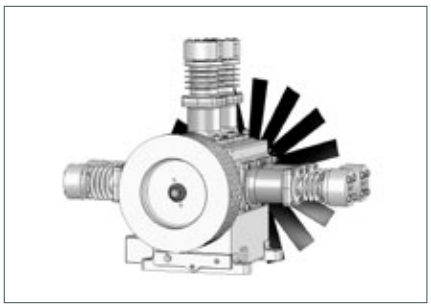
The air- or water-cooled, lubricated trunk-piston compressor type CT offers field-proven ruggedness and reliability. Due to its simple and compact design the unit is space-saving and easy to maintain. The frame mounted compressor is bedded on vibration dampening elements and therefore requires no special foundation or factory erectors for its easy installation. Low compression ratios per stage allow high cylinder loads with comparable low temperatures. Results are high volumetric efficiency, low maintenance and more safety.

Technical Data

Suction pressure:	up to 19 bara
Working pressure:	up to 401 bara
Flow rate:	up to 1 600 Nm^3/h
Motor power:	max. 200 kW
Size:	3 800 × 1 970 × 2 000 mm (L × W × H)
Weight:	approx. 4 800 kg (without motor)
Gases:	Natural gas, H_2, He and other noble gases, air, N_2, typical industrial gases, etc.
Applications:	CNG and H_2 refueling systems, bottle filling, oil- and gas production, chemical/ petrochemical industry, gas purification and recovery, air-blast circuit breaker systems, seismic oil and gas exploration, etc.

Dimensions



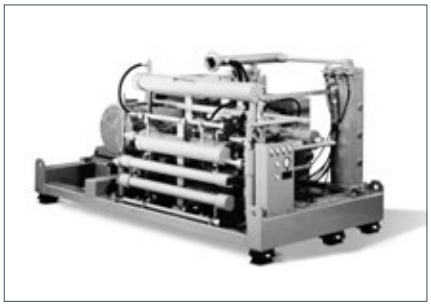


Standard Features

- 1–5 stage compression
- Frame-mounted unit
- High efficiency air cooler
- Pressure-tight, sealed crankcase
- Working pressures up to 351 bara
- Combined Suction/Discharge valves
- Electric Motor drive with v-belts
- multiple speed capabilities
- Stainless steel tubing
- Set of gauges and safety valves on suction, interstage and discharge side
- Pressure transmitter on suction and discharge side
- Temperature transmitter on discharge side
- Set of separators with automatic condensate drain
- Direct driven cooling-air fan
- Antivibration pads
- PED/ATEX conformity

Available Standard Options*

- Working pressures up to 501 bara
- Water-cooled execution
- Level controlled condensate tank drain
- Oil heater
- Inlet and outlet filters (particle, oil)
- Control cabinets
- Acoustic canopy
- 3rd party inspection by TUeV



* Other non-standard options on request.

The CT – Benefits at a Glance:

- Field-proven ruggedness and reliability
- Final pressure up to 401 bar
- Pressure tight, sealed crankcase
- Flow rate up to 1 600 Nm^3/h
- Air- or water-cooled
- High volumetric efficiency, low maintenance, more safety
- Simple, compact design
- Easy to maintain
- Bedded on vibration dampening elements
- Easy to install, no special foundation required
- Long intervals between maintenance
- Low total costs of ownership

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