

CNG CATALOGUE

2024



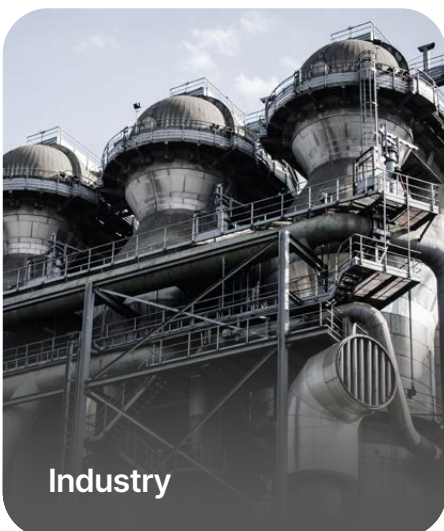
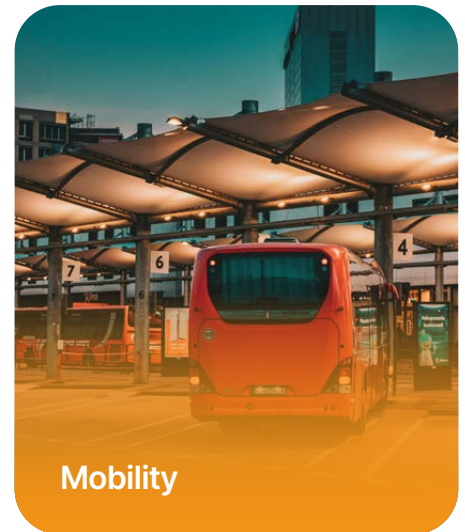
Application

Natural gas represents one of the most efficient, economical, environmentally friendly and abundant fuels nationwide. Its complete compatibility with current engines makes it a viable alternative to traditional vehicle fuel. Manufacturers are increasingly developing a range of vehicles designed to run cleanly and efficiently on natural gas. In addition, simply converting some existing vehicles with a switch to switch between natural gas and gasoline (bi-fuel) does not compromise performance, making the power output of the two fuels virtually indistinguishable.

One of the strengths relates to its more efficient costs than gasoline. This translates into significant savings for commuters and commercial vehicles covering long distances. In addition, the stability of natural gas prices, with few fluctuations compared to gasoline, offers great

er economic security. Whether vehicles are equipped for natural gas only or bi-fuel operation, the use of this fuel is an advantage in terms of time, money and safety.

Finally, natural gas emerges as nature's cleanest fossil fuel. The use of natural gas in vehicle engines generates lower emissions of pollutants than conventional fuels or other alternatives, ensuring compliance with government emissions regulations. In summary, natural gas emerges as a versatile, clean and cost-effective energy solution with a wide range of applications in the mobility, automotive, industrial and commercial sectors.



A profoundly Italian company, Coltri began building high-pressure scuba diving compressors in 1963.

The company soon expanded into other fields, including firefighting compressors and industrial gas compressors. Today we are once again looking in a new direction.

Ongoing advances in design and manufacture are at the very core of our identity: more than fifty years of continuous development have enabled us to engineer equipment that now sets the benchmark for the industry worldwide. Our commitment to research and development has enabled us to shift from consuming the latest technology to becoming key players ourselves in advancing technology in the industry. We use all the latest tools, such as robots and digitally controlled machining centers, to manufacture increasingly reliable, efficient and durable products.

Every component in our pump units was designed and engineered in Coltri's workshops and is the result of careful research and extensive testing. We assemble all our compressors in their entirety within our company according to rigorous quality standards. Exceptionally high-precision machinery, such as ZEISS® tools, play a key role in dimensional metrology. This enables us to determine the geometric characteristics of our components and accurately gauge how they will perform when used in more complex units.

Our focus and constant growth, steered by standards of excellence, have earned us internationally recognized certifications of quality that reflect our dedication and commitment.

We like to think of ourselves as facilitators. We build our machines to make it simpler to take on challenges, overcome limits and imagine new possibilities. Whether it's for a hobby, an industrial application or an emergency response service, Coltri Compressors is there to raise the bar higher, to help you reach uncharted territory.



Discover our construction quality.

Scan the QR code to watch the video.

CNG EVO

Electric



Technical data

Type of gas	Natural gas - Methane
Intake pressure	Max. 200 millibars
Nominal pressure	250 bar
Filling pressure	200 bar / 250 bar
Maximum working pressure	200 bar / 250 bar
Operating voltage	400 V, 50 Hz
Other operating voltage	230 V, 50 Hz / 230 V, 60 Hz / 400 V, 60 Hz / 480 V, 60 Hz
Oil change interval	1 year / 1.000 h

Compressor

	CNG EVO 85 EM	CNG EVO 85 ET	CNG EVO 170 ET	CNG EVO 266 ET	CNG EVO 330 ET
Flow rate	85 l/m 5,1 m ³ /h 3 cfm		170 l/m 10,2 m ³ /h 6 cfm	266 l/m 16 m ³ /h 9,4 cfm	330 l/m 19,8 m ³ /h 11,6 cfm
Purification system	Hyperfilter (optional)				
Cooling air flow, min.	2.400 m ³ /h				
Weight*	160 kg / 353 lb		180 kg / 397 lb		
Dimensions (W x D x H)*	77 × 65,9 × 116,4 cm / 30.3 × 25.9 × 45.8 in				

* Standard model. Weight and dimensions may vary depending on accessories.

Motor







	CNG EVO 85 EM	CNG EVO 85 ET	CNG EVO 170 ET	CNG EVO 266 ET	CNG EVO 330 ET
Power	3 kW, 4 Hp		4 kW, 5.5 Hp	5 kW, 6.5 Hp	7,5 kW, 10 Hp
Type	Single-phase el.	Three-phase electric			
Operating voltage/frequency <small>Different voltage / frequency available on request.</small>	220 V, 50 Hz		400 V, 50 Hz		
Rated current	13,2 A				
Speed (RPM)	2.800				
Protection class	IP55				

HYPERFILTER purification system

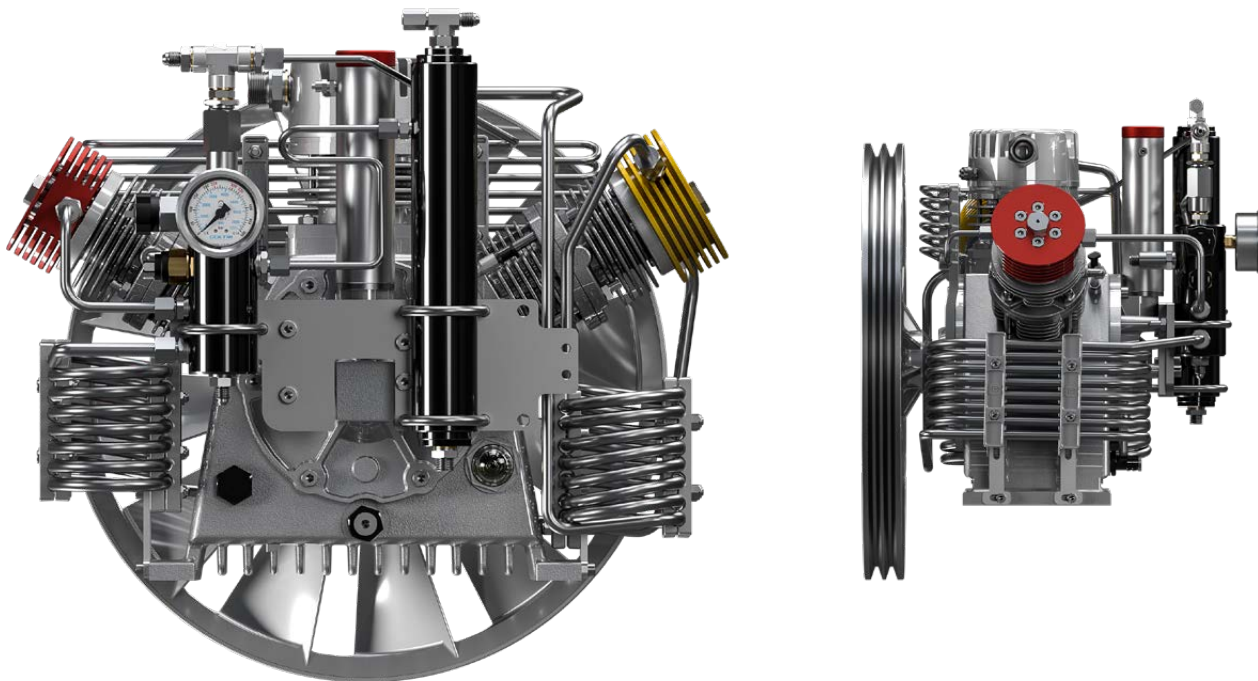
Purification system	Hyperfilter x 2
Operating pressure (Standard)	200 bar / 250 bar
Maximum operating pressure (PS)	420 bar
Filtered gas volume When using a filter cartridge of the type shown in the figure.	3.050 m ³



Standard equipments

 <p>Inlet filter</p>	 <p>Input filter</p>	 <p>Digital display</p>	 <p>Vent pipe</p>	 <p>Refueling nozzle natural gas with direct action NGV1</p>
 <p>4,5 m filling hose</p>	 <p>Low pressure switch at the gas inlet</p>	 <p>Methane gas detector</p>		

PUMPING UNIT



Compressor block

	CNG EVO 85 EM	CNG EVO 85 ET	CNG EVO 170 ET	CNG EVO 266 ET	CNG EVO 330 ET
Intake pressure	17 bar - 200 mbar				
Flow rate	85 l/m 5,1 m ³ /h 3 cfm		170 l/m 10,2 m ³ /h 6 cfm	266 l/m 16 m ³ /h 9,4 cfm	330 l/m 19,8 m ³ /h 11,6 cfm
Speed (RPM)	1.600		1.400	1.600	1.400
Number of stage	3				
Number of cylinders	3				
Cylinder bore 1st stage	60 mm		95 mm		
Cylinder bore 2nd stage	38 mm				
Cylinder bore 3rd stage	14 mm				
Stroke	40 mm				50 mm
Direction of rotation (from flywheel side)	Counter clockwise (Left)				
Drive type	V-belt A type				
Intermediate pressure 1st stage	~ 6 bar				
Intermediate pressure 2nd stage	~ 45 bar				
Amount of oil	1,8 litres				

CNG RC

Electric



Technical data

Type of gas	Natural gas - Methane
Intake pressure	Max. 200 millibars
Nominal pressure	250 bar
Filling pressure	200 bar / 250 bar
Maximum working pressure	200 bar / 250 bar
Operating voltage, standard	400 V, 50 Hz
Other operating voltage	230 V, 50 Hz / 230 V, 60 Hz / 400 V, 60 Hz / 480 V, 60 Hz
Oil change interval	1 year / 1.000 h

Compressor

	CNG RC 85 EM	CNG RC 85 ET	CNG RC 170 ET	CNG RC 266 ET
Flow rate	85 l/m 5,1 m ³ /h 3 cfm		170 l/m 10,2 m ³ /h 6 cfm	266 l/m 16 m ³ /h 9,4 cfm
Purification system	Maxifilter			
Cooling air flow, min.	2.400 m ³ /h			
Weight*	160 kg / 353 lb		180 kg / 397 lb	
Dimensions (W x D x H)*	74,9 × 71,8 × 105,1 cm / 29.5 × 28.2 × 41.3 in			

* Standard model. Weight and dimensions may vary depending on accessories.

Motor

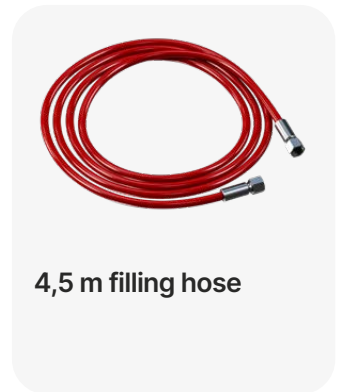
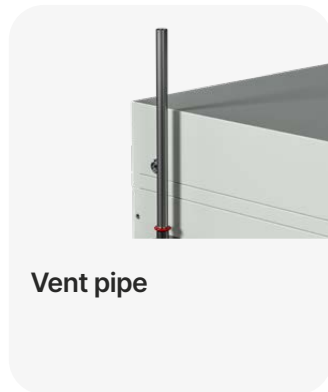
	CNG RC 85 EM	CNG RC 85 ET	CNG RC 170 ET	CNG RC 266 ET
Power	3 kW, 4 Hp		4 kW, 5.4 Hp	5,5 kW - 7.3 Hp
Type	Single-phase el.	Three-phase electric		
Operating voltage/frequency <small>Different voltage / frequency available on request.</small>	230 V, 50 Hz		400 V, 50 Hz	
Rated current	13,2 A			
Speed (RPM)	2.800			
Protection class	IP55			

MAXIFILTER purification system

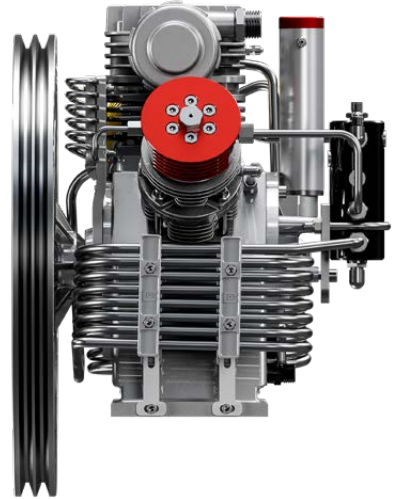
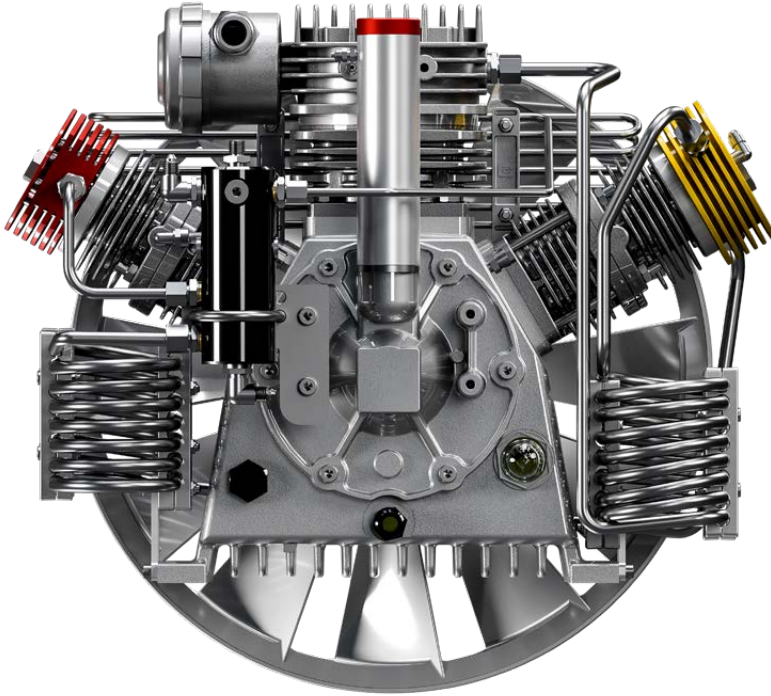
Purification system	Maxifilter
Operating pressure (Standard)	200 bar / 250 bar
Maximum operating pressure (PS)	420 bar
Filtered gas volume When using a filter cartridge of the type shown in the figure.	890 m ³



Standard equipments



PUMPING UNIT

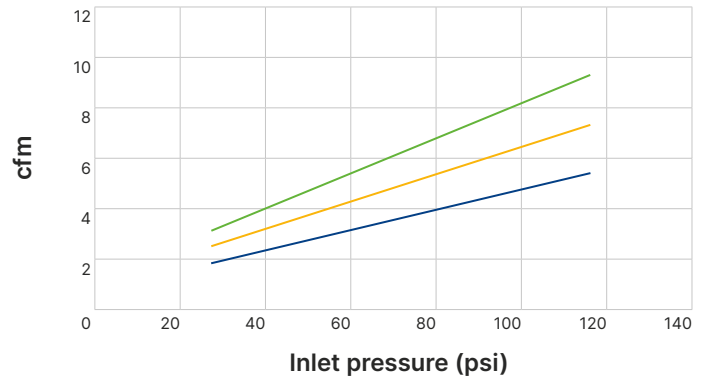
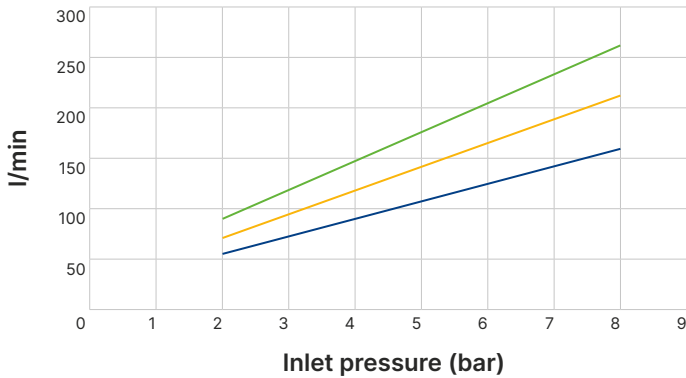


Compressor block

	CNG RC 85 EM	CNG RC 85 ET	CNG RC 170 ET	CNG RC 266 ET
Intake pressure	17 bar - 200 bar			
Flow rate	85 l/m 5,1 m ³ /h 3 cfm		170 l/m 10,2 m ³ /h 6 cfm	266 l/m 16 m ³ /h 9,4 cfm
Speed (RPM)	1.600		1.400	1.600
Number of stage	3			
Number of cylinders	3			
Cylinder bore 1st stage	60 mm		95 mm	
Cylinder bore 2nd stage	38 mm			
Cylinder bore 3rd stage	14 mm			
Stroke	40 mm			
Direction of rotation (from flywheel side)	Counter clockwise (Left)			
Drive type	V-belt A type			
Intermediate pressure 1st stage	~ 6 bar			
Intermediate pressure 2nd stage	~ 45 bar			
Amount of oil	1,8 litres			

CNG BOOSTER RC

Electric



CNG BOOSTER RC 3 KW

l/min Min. 55 - Max. 160
cfm Min. 1,9 - Max. 5,6

CNG BOOSTER RC 4 KW

l/min Min. 71,6 - Max. 215
cfm Min. 2,5 - Max. 7,6

CNG BOOSTER RC 5.5 KW

l/min Min. 88,3 - Max. 265
cfm Min. 3,1 - Max. 9,4

Technical data

Type of gas	Natural gas - Methane
Intake pressure	2 bar - 8 bar
Nominal pressure	250 bar
Filling pressure	200 bar / 250 bar
Maximum working pressure	200 bar / 250 bar
Operating voltage, standard	400 V, 50 Hz
Other operating voltage	230 V, 50 Hz / 230 V, 60 Hz / 400 V, 60 Hz
Oil change interval	1 year / 1.000 h

Compressor

	CNG BOOSTER RC 3 KW	CNG BOOSTER RC 4 KW	CNG BOOSTER RC 5.5 KW
Flow rate	Min. 55 - Max. 160 l/min Min. 3,3 - Max. 9,6 m ³ /h Min. 1,9 - Max. 5,6 cfm	Min. 71,6 - Max. 215 l/min Min. 4,3 - Max. 12,9 m ³ /h Min. 2,5 - Max. 7,6 cfm	Min. 88,3 - Max. 265 l/min Min. 5,3 - Max. 15,9 m ³ /h Min. 3,1 - Max. 9,4 cfm
Purification system	Maxifilter		
Cooling air flow, min.	2.400 m ³ /h		
Weight*	160 kg / 353 lb	180 kg / 397 lb	
Dimensions (W x D x H)*	74,9 × 71,8 × 105,1 cm / 29.5 × 28.2 × 41.3 in		

* Standard model. Weight and dimensions may vary depending on accessories.

Motor

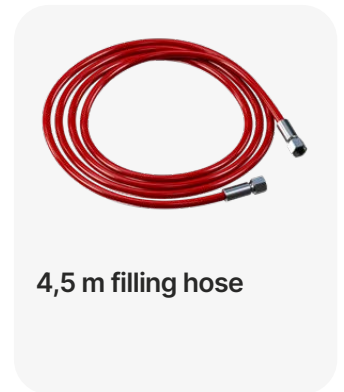
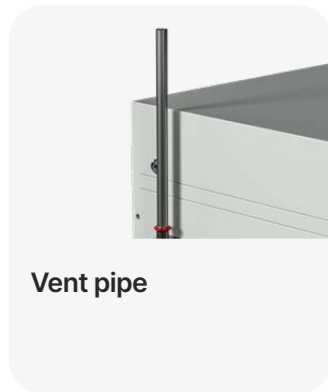
	CNG BOOSTER RC 3 KW	CNG BOOSTER RC 4 KW	CNG BOOSTER RC 5.5 KW
Power	3 kW, 4 Hp	4 kW, 5.4 Hp	5,5 kW, 7.5 Hp
Type	Three-phase electric		
Operating voltage/frequency	400 V, 50 Hz		
	Different voltage / frequency available on request.		
Rated current	7.7 A	9.7 A	11 A
Speed (RPM)	2.840	2850	
Protection class	IP54		

MAXIFILTER purification system

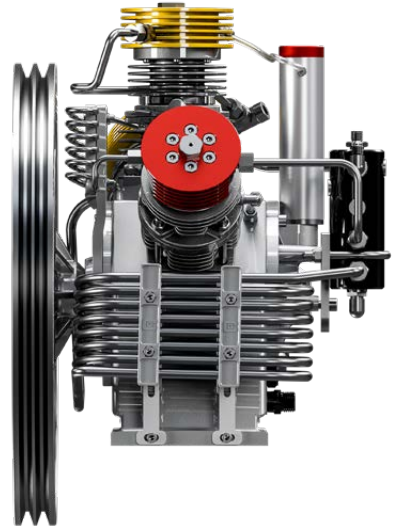
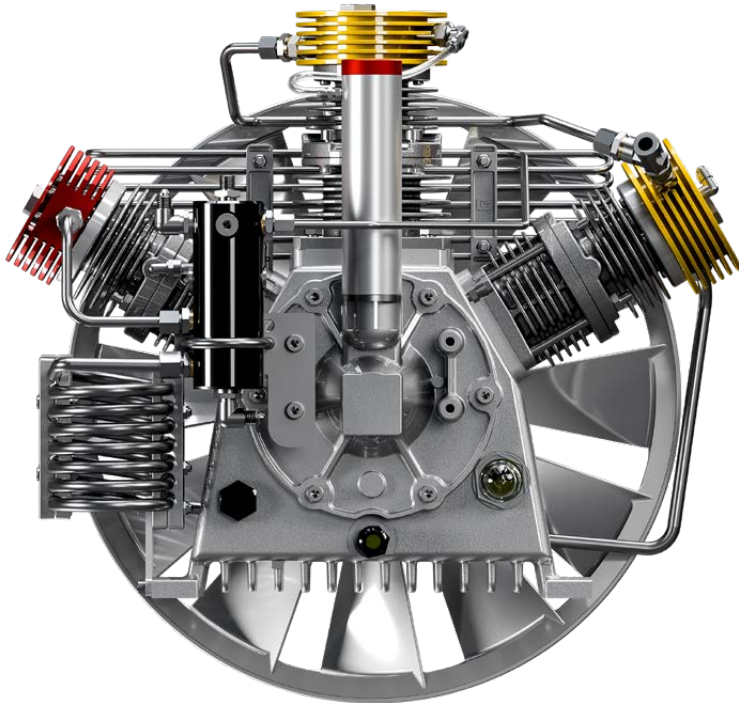
Purification system	Maxifilter
Operating pressure (Standard)	200 bar / 250 bar
Maximum operating pressure (PS)	420 bar
Filtered gas volume When using a filter cartridge of the type shown in the figure.	890 m ³



Standard equipments



PUMPING UNIT



Compressor block

	CNG BOOSTER RC 3 KW	CNG BOOSTER RC 4 KW	CNG BOOSTER RC 5.5 KW
Intake pressure	2 bar - 8 bar		
Flow rate	Min. 55 - Max. 160 l/min Min. 3,3 - Max. 9,6 m ³ /h Min. 1,9 - Max. 5,6 cfm	Min. 71,6 - Max. 215 l/min Min. 4,3 - Max. 12,9 m ³ /h Min. 2,5 - Max. 7,6 cfm	Min. 88,3 - Max. 265 l/min Min. 5,3 - Max. 15,9 m ³ /h Min. 3,1 - Max. 9,4 cfm
Speed (RPM)	1.200	1.240	1.600
Number of stage	2		
Number of cylinders	2		
Cylinder bore 2nd stage	38 mm		
Cylinder bore 3rd stage	14 mm		
Stroke	40 mm		
Direction of rotation (from flywheel side)	Counter clockwise (Left)		
Drive type	V-belt A type		
Intermediate pressure 1st stage	~ 6 bar		
Intermediate pressure 2nd stage	~ 45 bar		
Amount of oil	1,8 litres		

CNG HD

Electric



Technical data

Type of gas	Natural gas - Methane
Intake pressure	Max. 200 millibars
Nominal pressure	250 bar
Filling pressure	200 bar / 250 bar
Maximum working pressure	200 bar / 250 bar
Operating voltage, standard	400 V, 50 Hz
Other operating voltage	230 V, 50 Hz / 230 V, 60 Hz / 400 V, 60 Hz
Oil change interval	1 year / 1.000 h

Compressor

	CNG HD 330 ET	CNG HD 400 ET	CNG HD 550 ET
Flow rate	330 l/min 19,8 m ³ /h 11,7 cfm	400 l/min 24 m ³ /h 14,1 cfm	550 l/min 33 m ³ /h 19,4 cfm
Purification system	Hyperfilter x 2		
Cooling air flow, min.	3.000 m ³ /h		
Weight*	451 kg / 994 lb	455 kg / 1.003 lb	463 kg / 1.020 lb
Dimensions (W x D x H)*	78,8 × 124,3 × 153,5 cm / 31 × 48.9 × 60.4 in		

* Standard model. Weight and dimensions may vary depending on accessories.

Motor

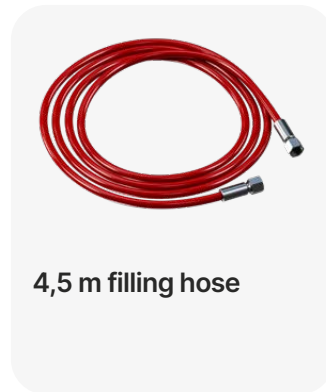
	CNG HD 330 ET	CNG HD 400 ET	CNG HD 550 ET
Power	9 kW, 12 Hp	11 kW, 15 Hp	15 kW, 20 Hp
Type	Three-phase electric		
Operating voltage/frequency	400/690 V, 50 Hz		
	Different voltage / frequency available on request.		
Rated current	13,2 A		
Speed (RPM)	1.050	1.250	1.420
Protection class	IP55		

HYPERFILTER purification system

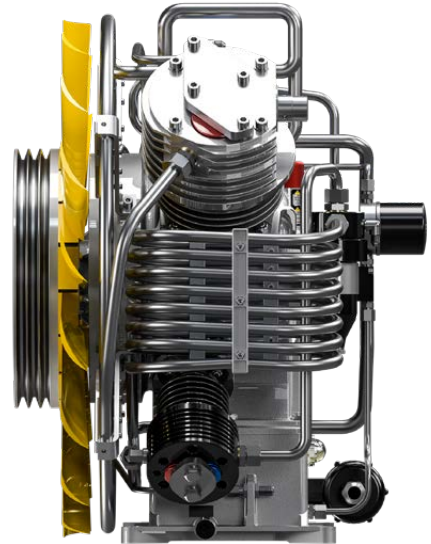
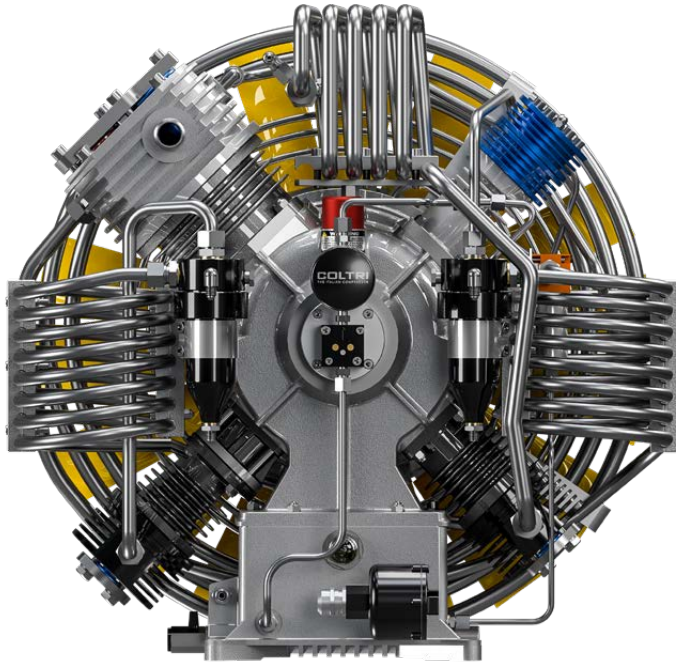
Purification system	Hyperfilter x 2
Operating pressure (Standard)	200 bar / 250 bar
Maximum operating pressure (PS)	420 bar
Filtered gas volume When using a filter cartridge of the type shown in the figure.	3.050 m ³



Standard equipments



PUMPING UNIT

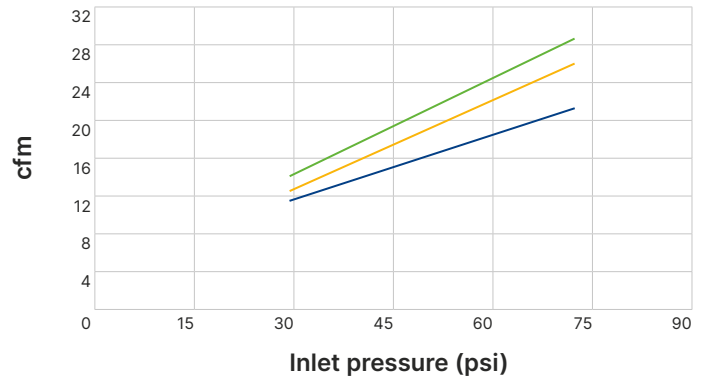
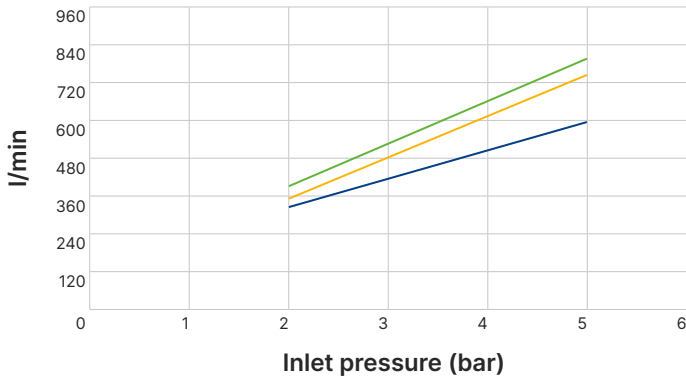


Compressor block

	CNG HD 330 ET	CNG HD 400 ET	CNG HD 550 ET
Intake pressure	17 bar - 200 bar		
Flow rate	330 l/min 19,8 m ³ /h 11,7 cfm	400 l/min 24 m ³ /h 14,1 cfm	550 l/min 33 m ³ /h 19,4 cfm
Speed (RPM)	1.050	1.250	1.420
Number of stage	4		
Number of cylinders	4		
Cylinder bore 1st stage	130 mm		
Cylinder bore 2nd stage	60 mm		
Cylinder bore 3rd stage	32 mm		
Cylinder bore 4th stage	15 mm		
Stroke	50 mm		
Direction of rotation (from flywheel side)	Counter clockwise (Left)		
Drive type	V-belt A type		
Intermediate pressure 1st stage	~ 3,2 bar		
Intermediate pressure 2nd stage	~ 16 bar		
Amount of oil	4 litres		

CNG BOOSTER HD

Electric



CNG BOOSTER HD 9 KW

l/min Min. 330 - Max. 600
cfm Min. 11,6 - Max. 21,3

CNG BOOSTER HD 11 KW

l/min Min. 350 - Max. 750
cfm Min. 12,4 - Max. 26,5

CNG BOOSTER HD 15 KW

l/min Min. 400 - Max. 800
cfm Min. 14,1 - Max. 28,3

Technical data

Type of gas	Natural gas - Methane
Intake pressure	2 bar - 5 bar
Nominal pressure	250 bar
Filling pressure	200 bar / 250 bar
Maximum working pressure	200 bar / 250 bar
Operating voltage, standard	400 V, 50 Hz
Other operating voltage	230 V, 50 Hz / 230 V, 60 Hz / 400 V, 50 Hz / 400 V, 60 Hz / 690 V, 60 Hz
Oil change interval	1 year / 1.000 h

Compressor

	CNG BOOSTER HD 9 KW	CNG BOOSTER HD 11 KW	CNG BOOSTER HD 15 KW
Flow rate	Min. 330 - Max. 600 l/min Min. 19,8 - Max. 36 m ³ /h Min. 11,6 - Max. 21,3 cfm	Min. 350 - Max. 750 l/min Min. 21 - Max. 45 m ³ /h Min. 12,4 - Max. 26,5 cfm	Min. 400 - Max. 800 l/min Min. 24 - Max. 48 m ³ /h Min. 14,1 - Max. 28,3 cfm
Purification system	Hyperfilter x 2		
Cooling air flow, min.	3.000 m ³ /h		
Weight*	451 kg / 994 lb	455 kg / 1.003 lb	463 kg / 1.020 lb
Dimensions (W x D x H)*	78,8 × 124,3 × 153,5 cm / 31 × 48,9 × 60.4 in		

* Standard model. Weight and dimensions may vary depending on accessories.

Motor

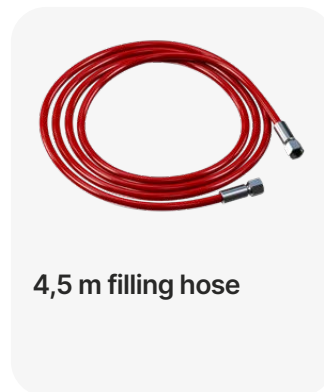
	CNG BOOSTER HD 9 KW	CNG BOOSTER HD11 KW	CNG BOOSTER HD 15 KW
Power	9 kW, 12 Hp	11 kW, 14 Hp	15 kW, 20 Hp
Type	Three-phase electric		
Operating voltage/frequency	400 V, 50 Hz		
	Different voltage / frequency available on request.		
Rated current	18.8 A	23 A	31 A
Speed (RPM)	2.880	2.910	2.920
Protection class	IP55		

HYPERFILTER purification system

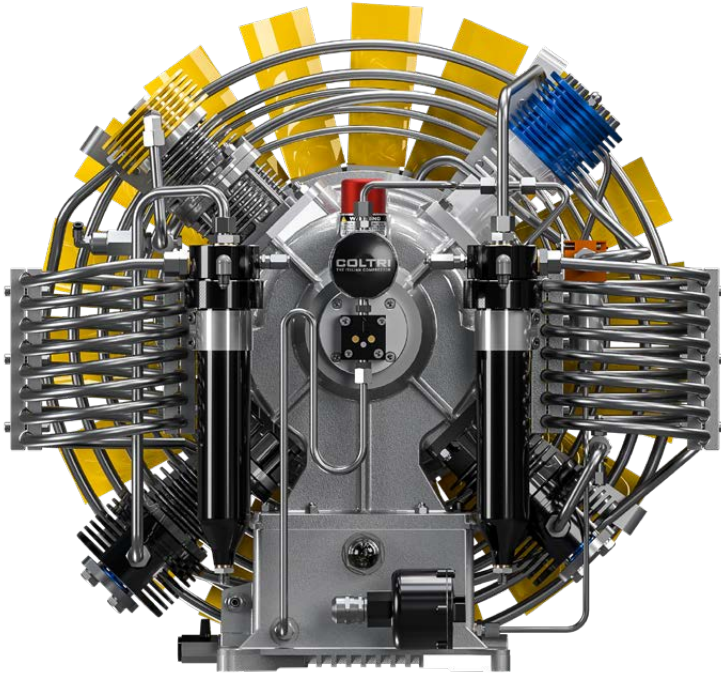
Purification system	Hyperfilter x 2
Operating pressure (Standard)	200 bar / 250 bar
Maximum operating pressure (PS)	420 bar
Filtered gas volume When using a filter cartridge of the type shown in the figure.	3.050 m ³



Standard equipments



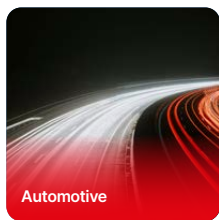
PUMPING UNIT



Compressor block

	CNG BOOSTER HD 9 KW	CNG BOOSTER HD 11 KW	CNG BOOSTER HD 15 KW
Intake pressure	2 bar - 5 bar		
Flow rate	Min. 330 - Max. 600 l/min Min. 19,8 - Max. 36 m ³ /h Min. 11,6 - Max. 21,3 cfm	Min. 350 - Max. 750 l/min Min. 21 - Max. 45 m ³ /h Min. 12,4 - Max. 26,5 cfm	Min. 400 - Max. 800 l/min Min. 24 - Max. 48 m ³ /h Min. 14,1 - Max. 28,3 cfm
Speed (RPM)	1.100	1.250	1.420
Number of stage	3		
Number of cylinders	3		
Cylinder bore 2nd stage	60 mm		
Cylinder bore 3rd stage	32 mm		
Cylinder bore 4th stage	15 mm		
Stroke	50 mm		
Direction of rotation (from flywheel side)	Counter clockwise (Left)		
Drive type	V-belt A type		
Intermediate pressure 1st stage	~ 3,2 bar		
Intermediate pressure 2nd stage	~ 16 bar		
Amount of oil	4 litres		

Application



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COLTRI | 60 YEARS OF COMPRESSOR HISTORY