

Natural gas -- Supplied to millions of businesses throughout the U.S. upon demand; one of the most efficient, cost-effective, environmental friendly and domestically abundant fuels available.

Natural gas as a viable alternative vehicular fuel is completely compatible with today's engines. Manufacturers are now producing a variety of factory-equipped, on-road and in-plant vehicles to run cleanly and efficiently on natural gas. In addition, some existing vehicles can also be converted to operate on either natural gas or gasoline (bi-fuel), without compromising performance, at the flip of a switch. Power delivery between the two fuels is virtually indistinguishable.

The actual costs of refueling with natural gas over other fuels can also be a pleasant surprise. The price of natural gas is usually between one-half and three-quarters the cost of its gasoline equivalent. This can result in substantial savings for commercial vehicles of high-mileage commuters. It should also be noted that natural gas prices have a history of being relatively stable, not fluctuating with daily supply and demand like gasoline. Whether vehicles are equipped for natural-gas-only or bi-fuel operation, both time and money can be saved through the use of the convenient, safe and accessible Natural Gas.

Natural Gas is nature's cleanest burning fossil fuel. When used to power a vehicle engine, it emits fewer pollutants than conventional or other alternative fuels and meets government clean air requirements. Compared to gasoline or diesel, natural gas burns more completely and cleanly, which results in significant reductions in pollution-causing exhaust components such as carbon monoxide, nitrogen oxides and reactive hydrocarbons. Soot, smoke particles and irritating odors are virtually eliminated, making natural gas an ideal choice for fleets. Using clean burning natural gas reduces our dependence on foreign oil.



BAUER COMPRESSORS INC.
 1328 Azalea Garden Rd. | Norfolk, VA 23502
 TEL: +1 (757) 855-6006
 FAX: +1 (757) 857-1041
 sls@bauercomp.com
 www.bauercomp.com

Scan QR code with your smartphone to learn more.



CS
 381.13.06.500SP
 subject to alteration without notice or obligation

**BAUER
 COMPRESSORS**

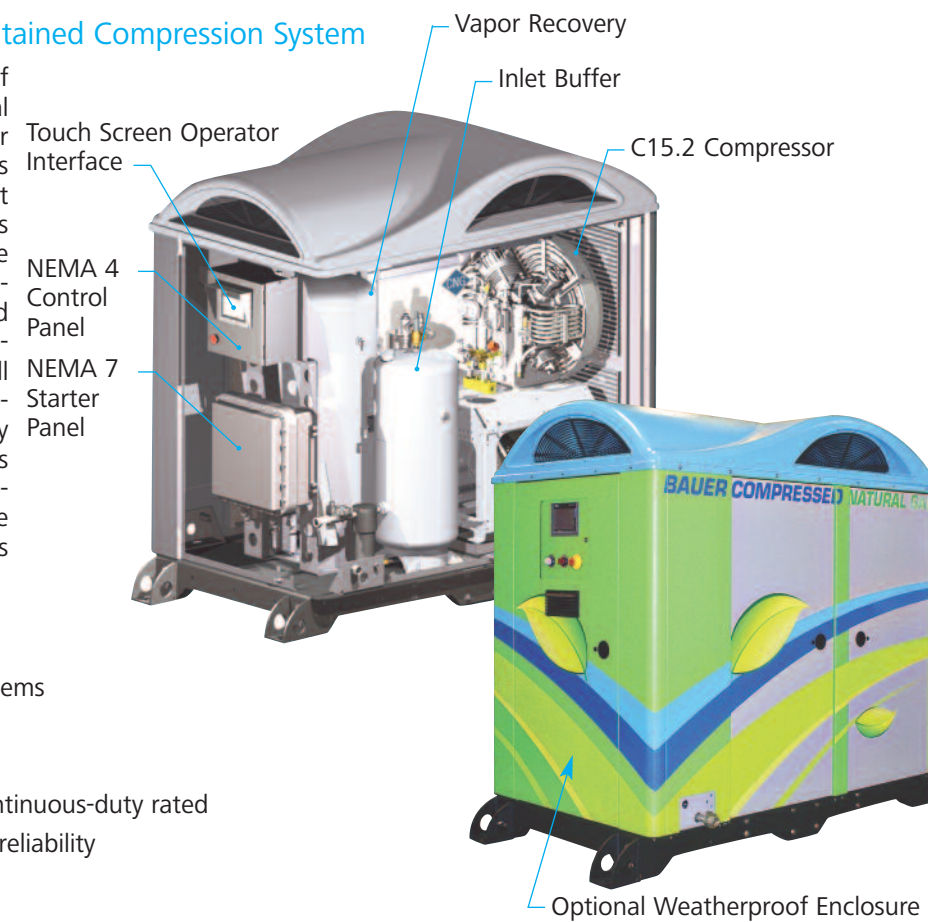
Compact series



BAUER Compact Series Self Contained Compression System

The BAUER Compact Series Self Contained Compression System is ideal for fleets requiring up to 20+ GGE per hour. The compact series compressor is also available as a duplex system that can offer twice the amount of fuel as well as the security of redundancy. Due to its unique footprint and low operating costs, it is suited for industrial and commercial applications. The compressor can be setup for fast fill or time fill requirements, using ancillary equipment to provide a complete turnkey CNG station. The compact series is designed to provide an affordable solution for fleets that require a reliable solution to re-fuel their natural gas vehicles.

- Same system accommodates C15.2 - C22 compressor models
- Available for simplex and duplex systems
- Multi-vehicle flexibility
- Time-fill and/or fast-fill applications
- Air - Cooled, pressure lubricated, continuous-duty rated
- Highest durability rated, unmatched reliability
- Affordable and economical



Available in Simplex or Duplex configuration. Gray paint scheme (standard). Green paint scheme and wrap shown (optional).

www.bauercomp.com

STANDARD FEATURES

Compressor

- BAUER compressor for natural gas
- Air-cooled and pressure lubricated
- Interstage separators
- Gas-tight relief valve, each stage
- Encapsulated crankcase, gas is not vented to the atmosphere
- Oil level sight glass
- Continuous-duty rated

Electrical

- Built in compliance to the NEC Article 500 for Class I, Division 2, Group D
- TEFC motor with Class I, Division 2, nameplate
- NEMA 4 enclosure for control components
- NEMA 7 enclosure for power components

Control devices

- Siemens S7-1200 PLC and SIMATIC HMI touch panel
- Solenoid valve, strainer and check valve at inlet
- Automatic condensate drain
- Pressure maintaining valve and check valve at outlet
- Final pressure sensor for automatic operation
- Ambient temperature sensor with user selectable temperature-compensated final pressure
- Lead/Lag and Alternation capable

Monitoring, locally mounted pressure gauges

- Inlet, each stage, oil, vapor recovery and final

Safety features

- Alarm for low/high inlet pressure, low oil pressure and high temperature
- Emergency stop device, Power-ON light and alarm light
- Guarding for cooling fan and v-belt drive

Piping and tubing

- Stainless steel

Package features

- Skid mounted open frame design
- Compressor and motor vibration isolated from skid
- Powder coated skid for superior corrosion protection
- Mounting and leveling feet, qty. 4
- Lifting eyes integrated in mounting feet
- Forklift accessible from all sides
- Skid edge utility connections
- Inlet buffer tank, 30 gallon*, 200 psi, ASME
- Vapor recovery tank, 60 gallon*, 200 psi, ASME
- *80 gallon for Duplex

Documentation

- Operation and Maintenance manual, wiring schematic and P&ID displayed on HMI
- BAUER University videos for service tasks displayed on HMI

Compliances

- Manufactured in accordance with the latest edition of NFPA 52 and NEC Article 500
- C-UL-US electric panel, BAUER UL File number E141433
- BAUER's quality management system is registered to ISO 9001:2008
- Factory test

Warranty

- 2 Year

AVAILABLE OPTIONS

Cabinet (Weatherproof Enclosure)

- Made of galvanized sheet steel and powder coated for superior corrosion protection
- Lockable access panels
- Ventilation fan with static dissipative blades
- Light fixture Class I, Division 2, rated
- Available infrared methane gas detector
- Available cold weather protection

High pressure dryer

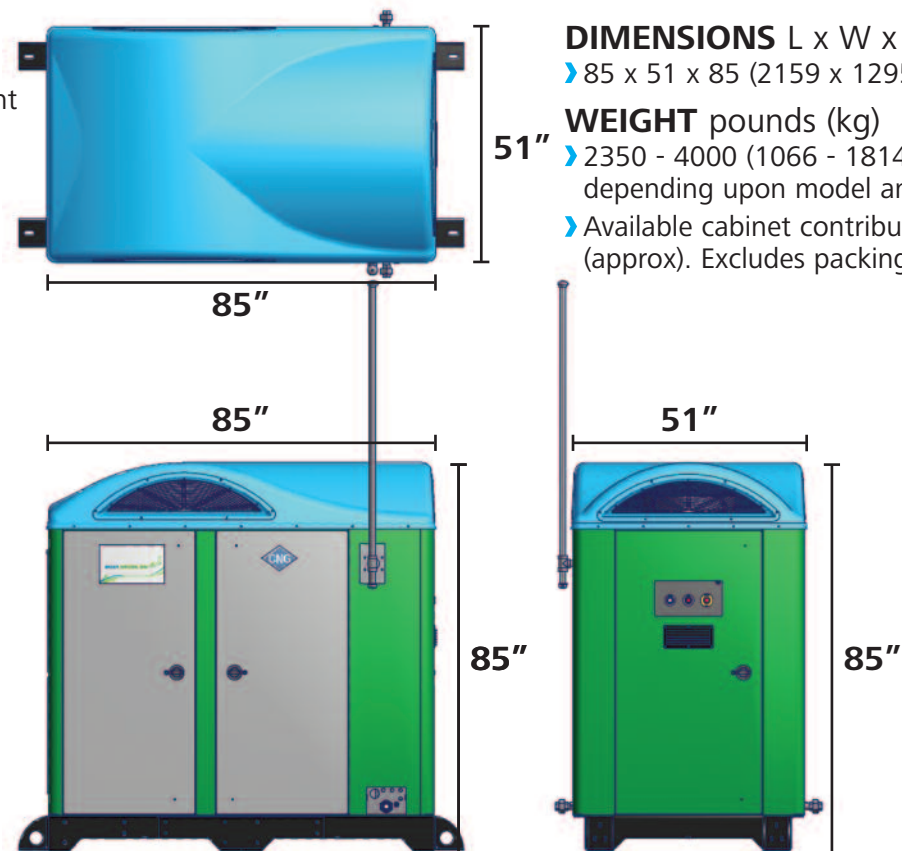
Remote monitoring via cell phone

Crankcase heater

Audible alarm

ATEX / TUV Certified

Simplex



DIMENSIONS L x W x H inches (mm)

▶ 85 x 51 x 85 (2159 x 1295 x 2159)

WEIGHT pounds (kg)

▶ 2350 - 4000 (1066 - 1814) depending upon model and options
 ▶ Available cabinet contributes 820 (372) (approx). Excludes packing for transport.

Technical Data

Model	Capacity				Inlet pressure		Number of stages	Speed max	Motor power		Power requirement at max final	
	CFM	m ³ /h	DGE/H	GGE/H	psi (g)	bar			rpm	hp	kW	hp
5 psi inlet (0.3 bar)												
C15.2-15	18	30.6	8.2	9.0	5	0.3	4	1350	15	11	14.2	10.6
C15.2-20	22	37.4	10.2	11.2	5	0.3	4	1350	20	15	17.8	13.3
C22.0	40	68	18.2	20.0	5	0.3	4	1300	30	22	29.2	21.8
15 to 60 psi inlet (1 bar to 4 bar)												
C15.4-10	16	27.1	7.3	8.0	30	2	3	1350	10	7.5	9.9	7.4
C15.4-15	27	45.9	12.3	13.5	60	4	3	1350	15	11	14.6	10.9

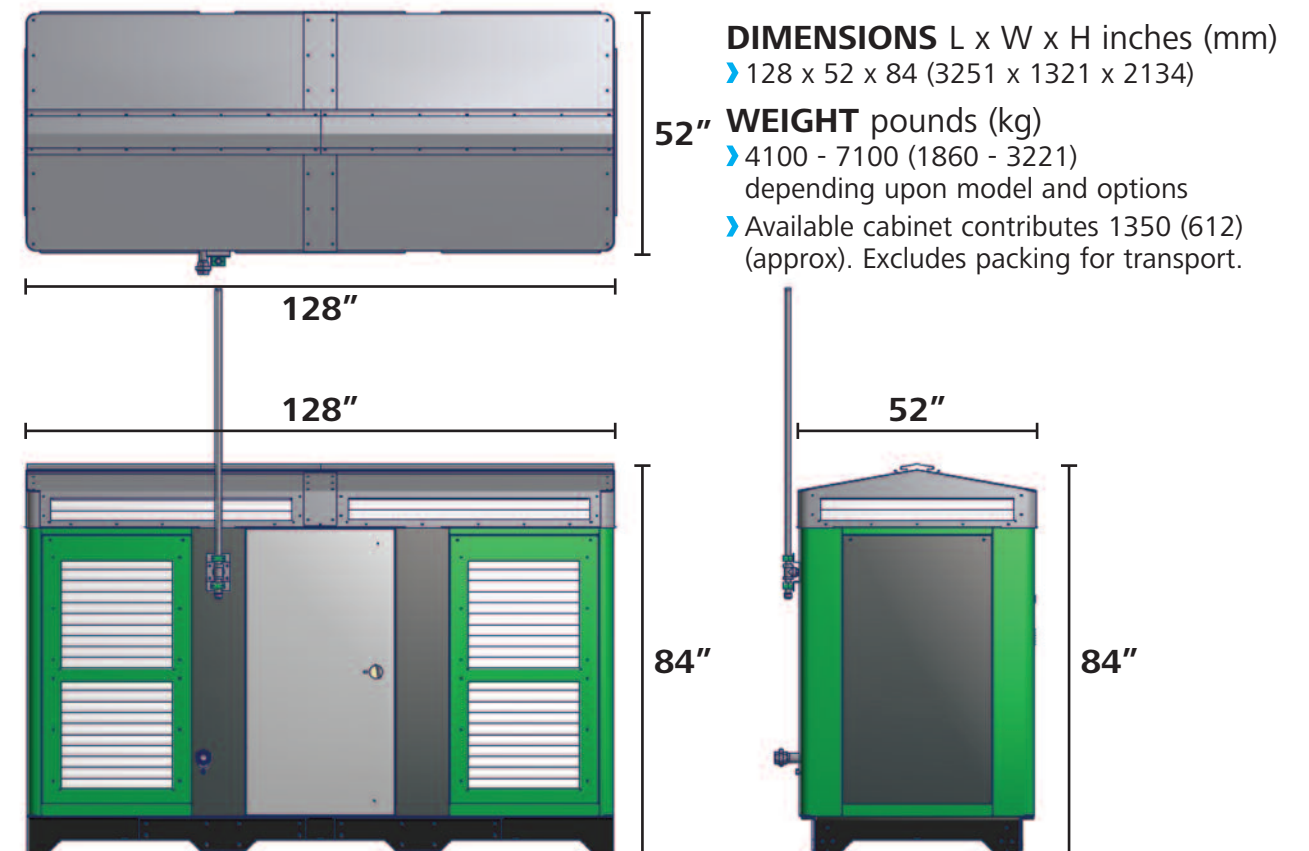
Duplex capacities are double the capacity of the simplex system.

Daily capacity in equivalent gallons based on daily compressor operating hours

Model	4 hours		6 hours		8 hours		10 hours		12 hours		14 hours		16 hours		18 hours	
	DGE	GGE	DGE	GGE	DGE	GGE	DGE	GGE	DGE	GGE	DGE	GGE	DGE	GGE	DGE	GGE
C15.2-15	33	36	49	54	65	72	82	90	98	108	115	126	131	144	147	162
C15.2-20	41	45	61	67	82	90	102	112	122	135	143	157	163	179	184	202
C15.4-10	29	32	44	48	58	64	73	80	87	96	102	112	116	128	131	144
C15.4-15	49	54	74	81	98	108	123	135	147	162	172	189	196	216	221	243
C22.0	73	80	109	120	145	160	182	200	218	240	255	280	291	320	327	360

Maximum operating pressure = 5000 psi (345 bar) | Tolerance on performance values, +/- 5% | Information subject to modification without notice or obligation.
 DGE = Diesel gallon equivalent | GGE = Gasoline gallon equivalent | 1 Gallon = 3.8 liters

Duplex



DIMENSIONS L x W x H inches (mm)

▶ 128 x 52 x 84 (3251 x 1321 x 2134)

WEIGHT pounds (kg)

▶ 4100 - 7100 (1860 - 3221) depending upon model and options
 ▶ Available cabinet contributes 1350 (612) (approx). Excludes packing for transport.