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.

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*Scan **QR code** with your smartphone to learn more.*

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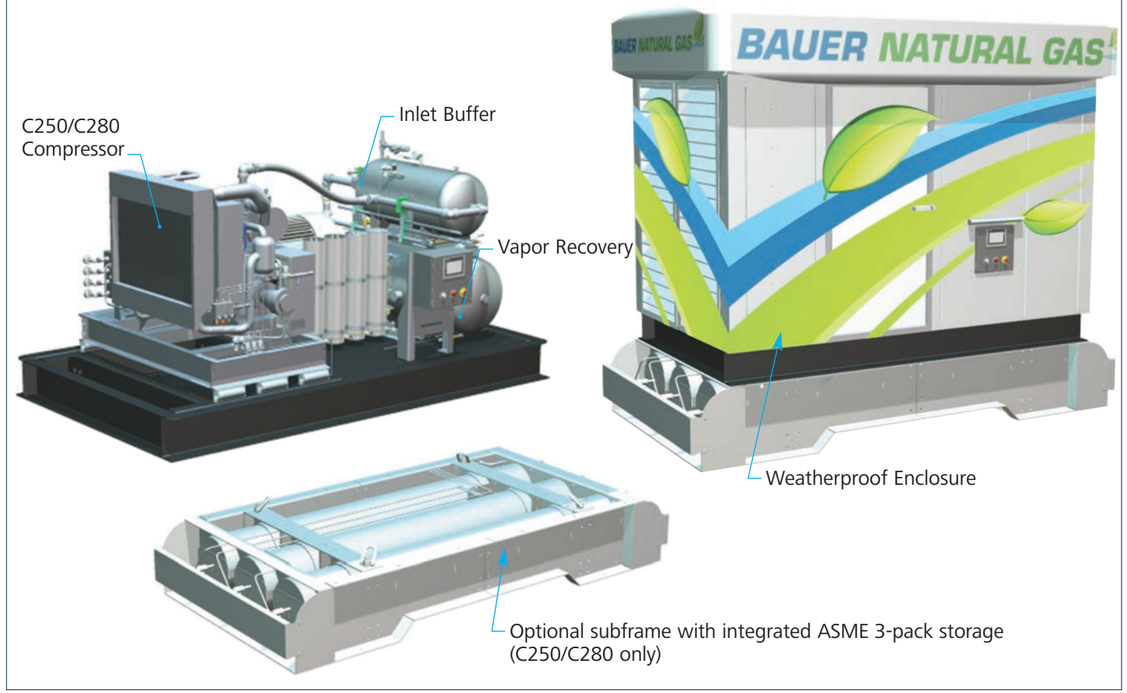
Large series

BAUER Large Series Self Contained Compression System with ASME 3-pack Storage Option



STANDARD FEATURES

Compressor
- BAUER compressor for natural gas
- Air-cooled or water-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
- Locally mounted NEMA 4 enclosure for control components
- NEMA 4 enclosure for unclassified components supplied loose for installation outside of classified area

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
- Pressure - inlet, all stages, oil, vapor recovery and final
- Temperature - all stages

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
- Skid edge utility connections
- Inlet buffer tank
- Vapor recovery tank

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 and PDI

Warranty
- 2 Year Parts and Labor

Cabinet (Weatherpoof Enclosure)
- Made of galvannealed sheet steel and powder coated for superior corrosion protection
- Lockable access panels
- Ventilation fan with static dissipative blades (Class I, Division 2, rated)
- Light fixture (Class I, Division 2, rated)
- Infrared methane gas detector

AVAILABLE OPTIONS

- Crankcase heater
- Cold weather cabinet heater
- Additional hot weather exhaust fan
- Audible alarm
- High pressure dryer
- Remote monitoring, mobile app
- Storage - self supported sub-frame with integrated ASME (3-pack cylinders) (C250/C280 only)
- Priority fill panel
- Interstage temperature sensors
- Interstage pressure sensors

Storage Volume		
Storage equivalent water volume per cylinder	CF	16
Storage volume per cylinder at 4700 psig	GGE	43
3 bottle storage volume (total at 4700 psig)	GGE	130
3 bottle sequential usable storage volume at 4700 psig	GGE	46

*Based on sequential filling from a dispenser shifting from bank to bank at a 50 psig pressure differential between the bank and the vehicle pressures and an initial residual vehicle pressure of 750 psig.

Technical Data

Model	Capacity				Inlet pressure		Number of stages	Speed max	Motor power		Power requirement at max final	
	CFM	m³/h	DGE/H	GGE/H	psi (g)	bar		rpm	hp	kW	hp	kW
5 psi inlet												
C25.0	75	127	34.1	37.5	5	0.3	4	1050	60	45	57.6	42.9
C28.0	150	255	68.2	75.0	5	0.3	4	1120	125	90	120.6	89.9
C52.0	300	510	136.4	150.0	5	0.3	4	1500	250	200	241.2	179.8
15 to 550 psi inlet												
C26.2	170	289	77.3	85.0	15	1	4	1500	125	90	118.9	88.6
C26.10	270	459	122.7	135.0	65	4.5	4	1500	150	110	145.9	111.1
C26.12	310	527	140.9	155.0	145	10	4	1500	150	110	143.6	107
C26.13	350	595	159.1	175.0	245	17	4	1500	150	110	138.6	103.3
C26.14	355	603	161.4	177.5	550	38	4	1500	125	90	103.5	77.1
C52.10	550	934	250.0	275.0	65	4.5	4	1500	300	200	298.0	222.2
C52.12	620	1053	281.8	310.0	145	10	4	1500	300	200	279.8	208.6
C52.13	700	1189	318.2	350.0	245	17	4	1500	300	200	277.1	206.6
C52.14	710	1206	322.7	355.0	550	38	4	1500	250	200	207.0	154.3

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
C25.0	136	150	205	225	273	300	341	375	409	450	477	525	545	600	614	675
C28.0	273	300	409	450	545	600	682	750	818	900	955	1050	1091	1200	1227	1350
C52.0	545	600	818	900	1091	1200	1364	1500	1636	1800	1909	2100	2182	2400	2455	2700
C26.2	309	340	464	510	618	680	773	850	927	1020	1082	1190	1236	1360	1391	1530
C26.10	500	550	750	825	1000	1100	1250	1375	1500	1650	1750	1925	2000	2200	2250	2475
C26.12	564	620	845	930	1127	1240	1409	1550	1691	1860	1973	2170	2255	2480	2536	2790
C26.13	636	700	955	1050	1273	1400	1591	1750	1909	2100	2227	2450	2545	2800	2864	3150
C26.14	645	710	968	1065	1291	1420	1614	1775	1936	2130	2259	2485	2582	2840	2905	3195
C52.10	1000	1100	1500	1650	2000	2200	2500	2750	3000	3300	3500	3850	4000	4400	4500	4950
C52.12	1127	1240	1691	1860	2255	2480	2818	3100	3382	3720	3945	4340	4509	4960	5073	5580
C52.13	1273	1400	1909	2100	2545	2800	3182	3500	3818	4200	4455	4900	5091	5600	5727	6300
C52.14	1291	1420	1936	2130	2582	2840	3227	3550	3873	4260	4518	4970	5164	5680	5809	6390

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

C250/C280

DIMENSIONS L x W x H inches (mm)
- 158 x 96 x 144 (4013 x 2438 x 3658)

WEIGHT pounds (kg)
- 7800 - 12,400 (3538 - 5625) depending upon model and options