

Cobey Energy, located in Buffalo, NY is a premier equipment packager specializing in gas compression. Every unit is designed with maintainability and reliability at the forefront. Simplicity of operation is paramount and considered in every design. Custom engineered designs are available to meet your unique site requirements. Cobey Energy's CNG compressor package is built to the highest standards and is designed to meet or exceed NFPA 52 & 30A, SAE J1616 and ASME Section VIII, Div. 1 or 2

Cobey Energy CNG Compressor standard offerings include:

- ❖ Multi-Stage GE Oil & Gas Reciprocating Compressor
  - Horizontal balance opposed design
  - Oil injected cylinder lubrication
  - Direct coupled to motor
  - Natural Gas engine driver available
- ❖ Air cooled gas cooler
  - Fin / tube design
  - Induced draft fan
- ❖ Lube oil system
  - Main, Aux and cylinder lube oil pumps
  - Lube oil filter
  - Oil Cooler
  - Startup pre-lube and warm oil circulation for cold climate startup
  - Constant oil level device with 5 Gal. supply tank
- ❖ System Control Panel by Murphy Controls
  - Unmanned 24/7 remote operation and monitoring
  - Multiple compressor lead/lag sequencing
  - 6" color touch screen by Red Lion (HMI)
  - Push button emergency stop switch
  - Modbus RS232/485/USB/Ethernet
  - Instrumentation Included:
    - (7) Pressure transducers
    - (7) Thermocouples
    - Vibration switch
    - Methane detector
    - Priority fill panel operation
    - Oil level switch
    - Blow down tank level switch
    - No oil flow switch
- ❖ Automatic inlet isolation valve
- ❖ Manual isolation valves for discharge
- ❖ Nitrogen connection for system startup
- ❖ Interstage and vessel pressure relief valves
- ❖ All electrical components designed for Class 1, Div 2, Grp. D service
- ❖ Motor Control Center
  - Includes motor soft starter for compressor, accessory motor starters and breakers.
- ❖ Supplied loose, to be remotely located Weather / sound enclosure
  - Two 6' wide access doorways
  - Rain hood over gas cooler
  - Inlet ventilation
  - Interior lighting
  - 78 dB Noise Level at 10 feet perimeter
- ❖ Gas / oil recovery system
  - Blowdown vessel with level switch and drain
  - Interstage oil coalescing filters
  - Dual final discharge oil coalescing filters
  - Automatic sequencing recovery valves
- ❖ Cobey Energy is an Authorized Packager of:

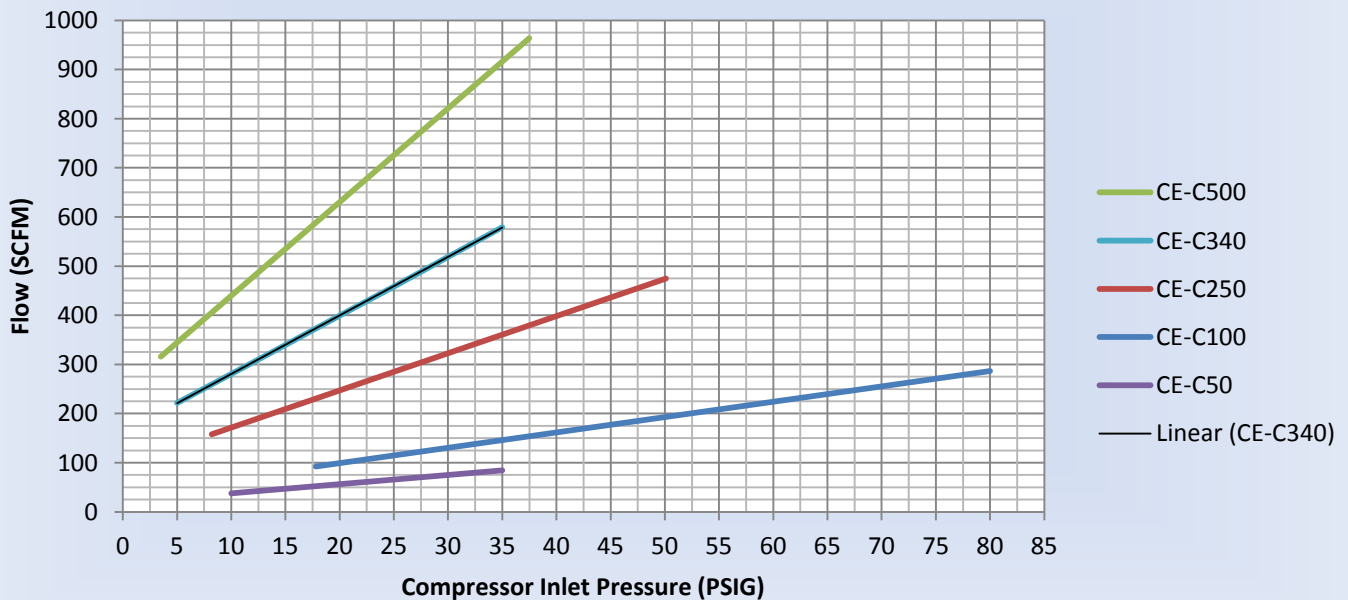


GE Oil &amp; Gas

**CAMERON**

	CE-C50	CE-C100	CE-C250	CE-C340	CE-C500
HP	50	100	200	200	400
Max RPM	1,200	1,800	1,800	1,800	1,800
Flow Range (scfm)	38 - 84	92 - 287	133 - 474	221 - 579	343 - 963
Inlet Pressure Range (psig)	10 - 35	18 - 80	5 - 50	5-35	5 -37
Outlet Pressure (psig)	4,500				
Electrical Requirements	480V / 60hz / 3ph				
Weight (lbs)	~4,500	~14,000	~15,000	~15,000	~20,000
Dimensions (L x W X H)	7'6" x 6' x 9'9"	12' x 8'6" x 9'10"	12' x 8'6" x 9'10"	12' x 8'6" x 9'10"	15' x 8'6" x 9'10"

**Suction pressure vs. flow for various Cobey Energy models**



Cobey Energy supplies and manufactures a full complement of CNG filling station components, including:

- ❖ Natural Gas desiccant dryers
  - Non-regenerative single vessel
  - Manual regenerative, single & dual vessel
  - Auto regenerative, single & dual vessel
- ❖ Priority Fill Panels
  - Available in ½", ¾" and 1" line sizes
  - Includes site ESD isolation valves
  - Allows for PLC controlled filling and monitoring of storage
- ❖ ASME Section VIII, Div 2 storage spheres
  - 48" ID – 11,993 scf capacity ea.
- ❖ ASME storage tubes
  - 23' lg. – 12,207 scf capacity ea.
  - 11.5' lg. – 5,711 scf capacity ea.
- ❖ CNG fuel dispensers
  - Fast fill
  - Time fill posts