

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

Cobey Energy CNG Compressor standard offerings include:

- ❖ 4 Stage GE Oil & Gas HSR 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
  - 4 stages of gas cooling
- ❖ 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
- ❖ Gas / oil recovery system
  - Blowdown vessel with level switch and drain
  - Interstage oil coalescing filters
  - Secondary final discharge oil coalescing filter
  - Automatic sequencing recovery valves
- ❖ Weather / sound enclosure
  - Two 6' wide access doorways
  - Access door to control panel
  - Rain hood over gas cooler
  - Inlet ventilation
  - Methane leak detection
  - Interior lighting



- ❖ Automatic inlet isolation valve
- ❖ Manual isolation valves for inlet and discharge
- ❖ Nitrogen connection for system startup
- ❖ Interstage and vessel pressure relief valves
- ❖ Instrumentation for interstage temperature, pressures and inlet/outlet pressures
- ❖ All electrical components designed for Class 1, Div 2, Grp. D service
- ❖ Gas piping, tubing and electrical interconnections located within enclosure and secured

- ❖ Motor Control Center
  - Includes motor soft starter for compressor, accessory motor starters and breakers.
  - Supplied loose, to be remotely located
- ❖ System Control Panel by Murphy Controls
  - Allows for unmanned 24/7 operation and monitoring of system
  - 6" color touch screen (HMI)
  - Push button emergency stop switch
  - Modbus RS232/485/USB/Ethernet
- ❖ Authorized Packager of:



GE Oil & Gas

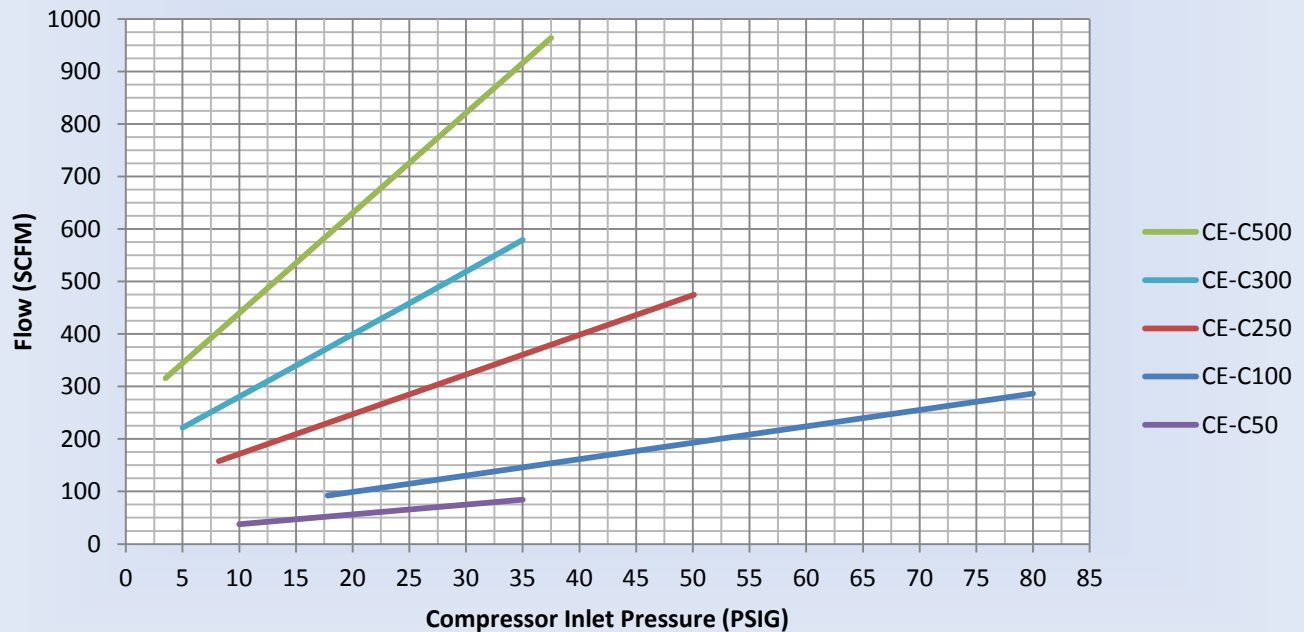


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	CE-C50	CE-C100	CE-C250	CE-C340	CE-C500
HP	50	100	200	200	400
Max RPM	1,200	1,800	1,800	1,800	1,800
Flow Range (scfm)	38 - 84	92 - 287	133 - 474	221 - 579	343 - 963
Inlet Pressure Range (psig)	10 - 35	18 - 80	5 - 50	5-35	5 -37
Outlet Pressure (psig)	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"

### Inlet Pressure vs. Flow Cobey Energy CNG Compressor 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
  - Pay at the pump functionality