CE-C50 CNG Compressor Package

One Ship Canal Parkway • Buffalo • New York 14218 • 716-362-9550 • Fax: 716-362-9551
Web Site: www.CobeyEnergy.com • E-Mail: quotes@cobey.com

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 Reciprocating Compressor
  - Horizontal balance opposed design
  - Direct coupled to motor
  - 50 hp main drive motor
- Air cooled gas cooler
  - Fin / tube design
  - Induced draft fan
- Lube oil system
  - Splash lubricated bearings
  - Startup pre-lube oil heater for cold climate startup
- Gas recovery system
  - Blowdown vessel with condensate drain
  - Automatic sequencing recovery valves
  - Final discharge twin coalescing liquid filtration
- System Control Panel by F.W. 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
- Weather / sound attenuating enclosure
  - Access doorways
  - Rain hood over gas cooler
  - Inlet ventilation louvers
  - 85 dBa @ 1 meter sound rating
- Automatic inlet isolation valve
- Manual isolation valves for inlet and discharge
  - Nitrogen connection for system startup
- Interstage and vessel pressure relief valves
- All electrical components designed for Class 1, Div 2, Grp. D service

- Authorized Packager of:

GE Oil & Gas · CAMERON · Knox Western · CAT

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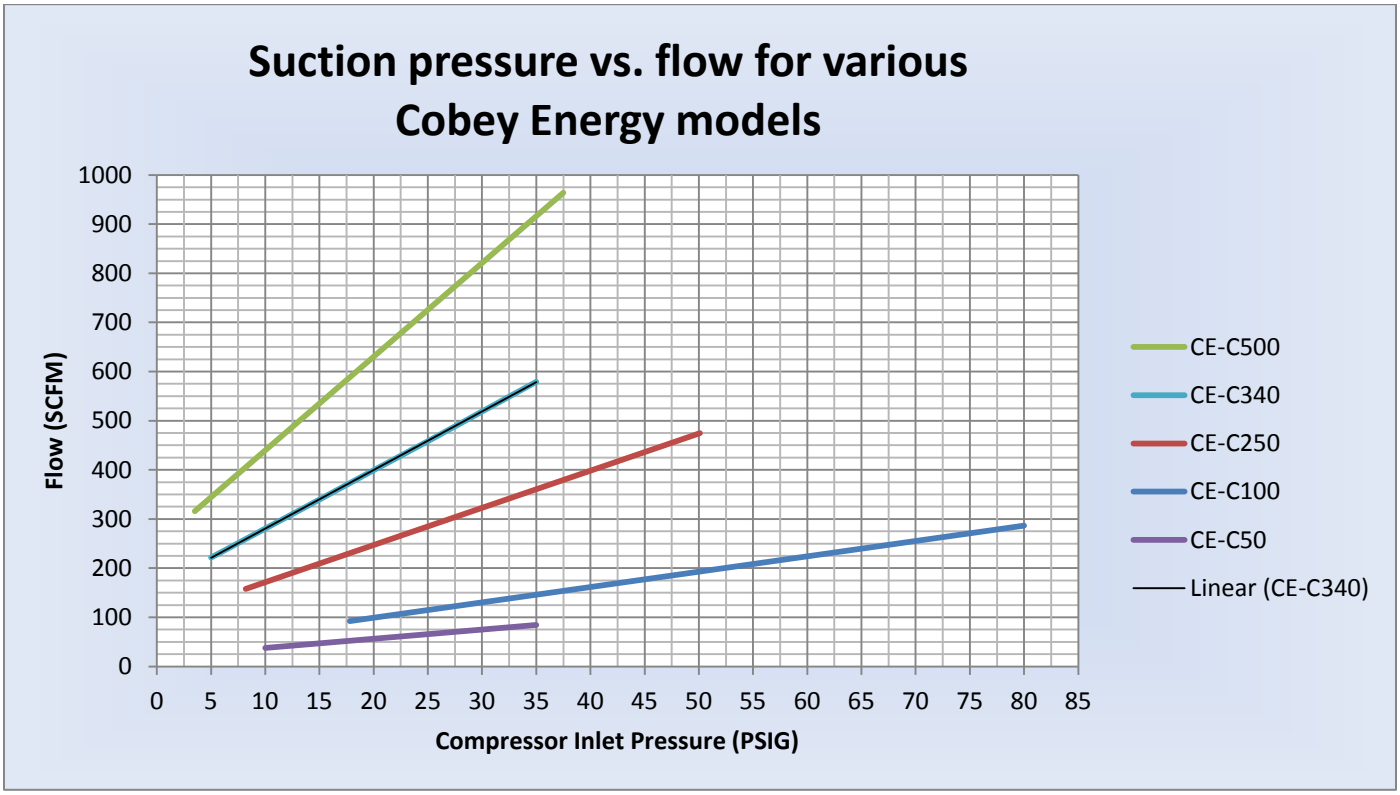
	CE-C50	CE-C100	CE-C250	CE-C340	CE-C500
HP	50	100	200	200	400
Max RPM	1,200	1,800	1,800	1,800	1,800
Flow Range (scfm)	38 - 84	92 - 287	133 - 474	221 - 579	343 - 963
Inlet Pressure Range (psig)	10 - 35	18 – 80	5 – 50	5-35	5 -37
Outlet Pressure (psig)	4,500				
Electrical Requirements	480V / 60hz / 3ph				
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"



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