



Bay 8, 1820 – 30<sup>th</sup> Avenue NE  
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## CC30 Compressor Specifications

### Compressor

- Type Oil flooded rotary screw gas compressor
- Model Gardner Denver Enduro G6
- Suction P 30 psi maximum
- Discharge P 250 psi maximum
- Vi 2.7 or 4.5 (field changeable)
- Drive Gear (variable ratio, field changeable)
- Oil filter Donaldson Duramax c/w diff. P indicator

### Driver

- Type Natural gas fueled
- Model Teco 3000
- Horsepower Rated 72 @ 3600
- Usable horsepower 30 HP @ 2000 rpm available to compressor
- Cylinders 4
- Displacement 180 cubic inch
- Compression ratio 9.25
- Aspiration Natural
- Ignition Electronic distributor
- Radiator Bolted construction
- Oil level maintainer Murphy LM 2000
- Oil conditioning system Slipstream filter & Oil burning for continuous oil change
- Oil day tank 22 gallons
- Coolant day tank 3 gallons
- Fuel gas scrubber Parker 20 micron coalescing filter
- Silencer Mac - whisper quiet operation
- Governor Woodward electronic

### Drive System

- Driveshaft Spicer 1350 U-Joint Driveline

### Cooling System

- Type Aftercooler/oil cooler combination
- Model AKG AOC 30
- Rating 250 psi @ 325 °F
- CRN AB, BC, SK
- Thermostat Set @ 190 °F

## Capacity Control

- Gear drive
- High pressure recycle
- Low pressure recycle
- Manual recycle

3 different pre-engineered ratios to maximize HP use

## Controls and Instrumentation

### Shutdowns

- Low suction pressure
- Low discharge pressure
- High compressor discharge temperature
- High scrubber fluid level
- Low separator oil level
- Low engine oil pressure
- Low engine oil level
- High engine coolant temperature
- ESD

### Warnings

- Compressor oil filter differential pressure
- Gas oil separator element differential pressure

### Indicators

- Annunciator - Murphy TTD
- Engine rpm
- Hour meter
- Engine oil pressure
- Engine fuel pressure
- Wellhead pressure
- Suction pressure
- Discharge pressure
- Line pressure
- Compressor discharge temperature
- Gas oil separator differential pressure
- Separator level
- Scrubber level
- Engine oil level
- Engine oil day tank level
- Engine glycol level
- Fuel gas filter level
- Engine vacuum pressure
- Engine glycol temperature

## Inlet/Outlet

- Inlet flange 2" 150# RFF
- Outlet flange 2" 300# RFF
- Inlet valve Mara 2" FP ball valve
- Discharge check Balon 2" swing
- Low pressure inlet control Kimray 230 SGT PRB-D

## Scrubber

- Rated pressure 200 psi @ 80 °F
- Size & Orientation 16" diameter, Vertical
- Design code ASME Sect VIII, Div I
- PSV 50 psi
- Sight glass Glass 10" viewing length
- CRN AB, BC, SK
- Level control Kenco 106 pneumatic

## Separator

- Rated pressure 285 psi @ 250 °F
- Size & Orientation 16" diameter, Vertical
- Design code ASME Sect VIII, Div I
- PSV 250 psi
- Corrosion allowance 1/8"
- Sight glass Glass 10" viewing length
- CRN AB, BC, SK

## Piping

- Process piping SA-106B threaded piping
- Other piping SA-106B threaded spools
- Flare header Header for PSV's, and auto blow down
- All process valves accessible from access doors for easy adjustment, service & replacement
- All process valves unioned or flanged for easy replacement

## Enclosure

- Dimensions Length 10', width 56", height 51"
- Floor Drip tray c/w drains
- Service doors 2 - engine, 2 - compressor – gas strut balanced, locking
- Cooling Air Intake Standard Bug Screens and Winterfront Accessories
- Roof vents Built-in roof vents for cooling and ventilation
- Finish Powder coat
- Sound proofing & Insulation Frequency specific open flexible polyester polyurethane foam c/w metallized, polyester film, 2" thick, 250-500 HZ

## Trailer

- |                        |  |
|------------------------|--|
| ➤ Portability          | Towable by ½ ton pickup  |
| ➤ Dimensions           | Deck 10' x 56", overall 13'2" x 6'5"   |
| ➤ Tongue weight        | 400 lbs  |
| ➤ Axle rating          | 6000 lbs   |
| ➤ Tires                | Goodyear ST225/75 R15D   |
| ➤ Leveling             | 4 leveling posts   |
| ➤ Trailer jack         | Tongue   |
| ➤ Trailer brakes       | Electric   |
| ➤ Weight               | 4000 lbs   |
| ➤ Sub Floor Insulation | R15  |
| ➤ Construction         | Rectangular HSS tube cruciform (resists flexing while moving, eliminates tendency of screwed piping to loosen) |

## Miscellaneous

- All inspection and fill points accessible from outside
- Easy access to all service points
- Designed to be readily moved and or replaced for major overhauls or servicing
- All service points reachable at ground level
- All fluid level indicators easily viewable from outside
- Heaters, Scottcan natural gas heaters, One 12" x 24" 12000 BTU/Hr, One 12" x 12" 6000 BTU/Hr

## Options

- Blow Case Assembly
- Inlet Scrubber Auto Drain
- 12 volt Oil Pan Heater
- Water Jacket Provisional Heat Trace
- Condensate pump
- Flow measurement
- Inlet particulate filter
- Fire & gas detection
- Tear-away bug screens on cooling air inlets.
- 120 volt block heater
- Armored flex Hoses

## Compliance

- Power and process in separate compartments, process Class I, Div II, power GP
- CSA or Intertek approved
- Fugitive emission study