



CC75 R Compressor Specifications

Compressor

➤ Type	CiP Jr.
➤ Model	PVT2
➤ Suction P	5-70
➤ Discharge P	300- 550
➤ Flow MSCFD	500+
➤ RPM	1800

Driver

➤ Type	Natural gas fueled
➤ Model	Cummins 5.9
➤ Horsepower	Rated 84 @ 1800
➤ Usable horsepower	75 HP @ 1800 rpm available to compressor
➤ Cylinders	6
➤ Displacement	359 cubic inch
➤ Compression ratio	10.5:1
➤ Aspiration	Natural
➤ Ignition	Electronic distributor
➤ Radiator	HD Alum
➤ Oil level maintainer	Murphy LM 2000
➤ Oil conditioning system	Luberfiner
➤ Oil Cooler	Intregal
➤ Oil day tank	8 gallons
➤ Coolant day tank	3 gallons
➤ Fuel gas scrubber	Monnier 20 micron coalescing filter c/w auto drain/inst. scrubber
➤ Silencer	Whisper Quiet
➤ Governor	Woodward electronic – no droop

Drive System

- Overcenter Clutch and Spicer Driveline

Cooling System

➤ Type	Intercooler/Aftercooler combination
➤ Model	Air-X 30W
➤ Rating	645 psi @ 325 °F
➤ CRN	AB, BC, SK

Capacity Control

- Manual recycle
- Volume Spacers

Controls and Instrumentation

Shutdowns

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

Indicators

- Annunciator, Murphy TTD
- Engine rpm
- Hour meter
- Engine oil pressure
- Engine glycol temperature
- Engine vacuum pressure
- Engine fuel pressure
- Wellhead pressure
- Suction pressure
- Discharge pressure
- Line pressure
- Compressor aftercooler temperature
- Mixture control fault
- Air oil separator differential pressure
- Separator level
- Scrubber level
- Engine oil level
- Engine oil day tank level
- Engine glycol level
- Fuel gas filter level

Inlet/Outlet

- | | |
|------------------------------|-----------------------|
| ➤ Inlet flange | 2" 300# RFF |
| ➤ Outlet flange | 2" 300# RFF |
| ➤ Inlet valve | Mara 2" FP ball valve |
| ➤ Discharge check | Balon 2" swing |
| ➤ Low pressure inlet control | Kimray 330 FGT PR-D |

Scrubber

- | | |
|-----------------------|--|
| ➤ Rated pressure | 645 psi @ 200 °F |
| ➤ Size | 12" diameter |
| ➤ Design code | ASME Sect VIII, Div I |
| ➤ PSV | 645 psi |
| ➤ Corrosion allowance | 1/8" |
| ➤ Demister pad | 304SS demister pad, 9 lb/ft ³ |
| ➤ Sight glass | Glass 10" viewing length |
| ➤ CRN | AB, BC, SK |

Piping

- Process piping 2" and under 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 and replacement
- All process valves unioned or flanged for easy replacement

Enclosure

- Dimensions Length 12'6", width 7'6", height 60"
- Floor Enviro drip tray c/w drains
- Service doors 2 - engine, 2 - compressor – gas strut balanced, locking
- Sound proofing Frequency specific open flexible polyester polyurethane foam c/w metallized, polyester film, 1' thick, 250-500 HZ
- Louvers 2 adjustable louvers for cooling air control
- Roof vents Built-in roof vents for cooling and ventilation
- Coating Powder coat

Trailer

- Portability Towable by 3/4 ton pickup
- Dimensions Overall 14'6" x 7'1"
- Tongue weight 600 lbs
- Axle type Tandem
- Axle rating 12000 lbs
- Tires Goodyear ST225/75 R15D
- Leveling 4 leveling posts
- Trailer jack Tongue
- Trailer brakes Electric
- Weight 9000 lbs
- Construction Rectangular HSS tube cruciform (resists flexing while moving, eliminates tendency of screwed piping to loosen)
- Sub Floor Insulation R15

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
- Heater, 1 catalytic natural gas heater, 12" x 24", 12000 BTU/Hr
- Gas Detection, Micro-Watt UT Gold

Compliance

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