

Reference: West Virginia Plant



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Revised On: 9-1-16

This proposal is valid until 10/20/2012. After that date the quote and terms in the proposal may need to be revised.



Rotary Screw Air Compressor 200HP Sierra Oil-Free





Image for reference only

Technical Information:

Capacity:

 715 scfm @ 150 psig Unload 140 psig load

Maximum Operating Pressure:

• 153 psig (150 psig)

Weight: 6709 lbs

Connection Size: 2.0" NPT

Dimensions (L x W x H):

 106" x 62.5" x 93.4" Aircooled

Sound Level:

- 79dBA Aircooled
- per CAGI-PNEUROP
- PN2CPTC2

Additional Engineering Data available upon request

Product Description:

The Sierra oil-free models combine the technologies of the Xe Controller, premium components, high ambient rated coolers and the patented UltraCoat bonding process, to provide a durable, reliable, and energy efficient compressor.

These design elements provide the customer with ISO Class O air quality, continuous operation, reduced maintenance costs, and energy efficient controls. These values ensure that the customer has suitable air quality and quantity to efficiently manage his production.

Ingersoll Rand guarantees that the Sierra oil-free compressor will maintain its volume flow rate and specific energy within initial machine acceptance tolerance for a period of 24 months after date on installation.

Key Features & Benefits:

- ISO 8563-1:2001 Class O Air Quality
- Ultra Coolant
- Intellisys Controller

Key Options Available:

- Power Outage Restart Option
- Low Ambient Modification



Visit the Ingersoll Rand website for further information http://www.ingersollrandproducts.com

Air-Cooled Trim Cooler with Moisture Separator

All specifications are given for informational purposes only. All information is subject to change without notice. The attached terms and conditions are an integral part of this quotation and any resulting orders.

- UltraCoat Rotor Protectant
- Sound Attenuated Enclosure
- 115°F Ambient Rated
- Outdoor Modification
- Phase Monitor





Air Cooled AfterCoolers

The IPAC Advantage

Product Features

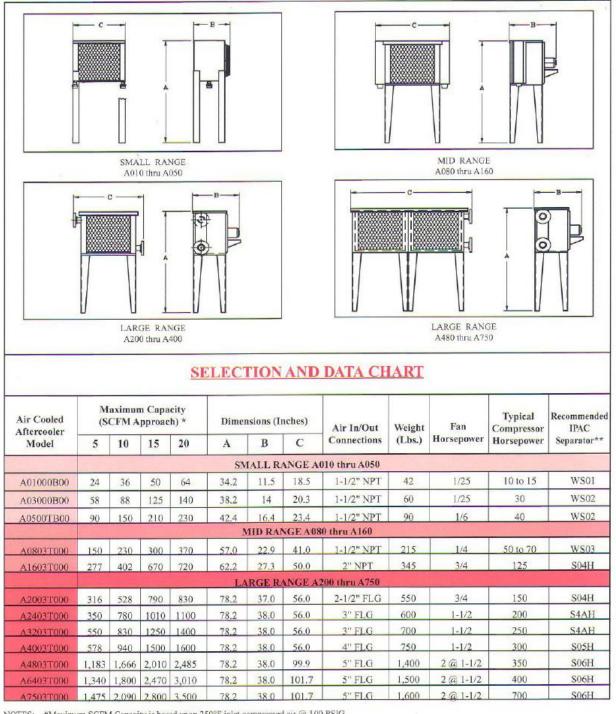
- Compact
- · Heavy Duty Industrial Grade Construction
- Rigid and Durable Air in/out Connections
- Flex Connections Unnecessary
- Available TEFC Motors
- Low Energy Cost
- Meets All OSHA Requirements

Product Options

- Air Motors With Mufflers
- Low Ambient Control Packages
- Special Coatings (i.e. Corrosion Resistant)
- Alternate Materials Tube, Fin, or Housing
- Custom Designs Available



Air-Cooled Trim Cooler with Moisture Separator



NOTES: *Maximum SCFM Capacity is based upon 250°F inlet compressed air @ 100 PSIG

Ambient conditions are 75°F, 50% RH.

**Recommended IPAC drain trap for all models - SAC120

- IPAC's Air Cooled Aftercoolers are designed with maximum working pressure of 200 PSIG at 400°F.

- Model A0100B00 and A03000B00 are 115/1/60 (ODP).

- Model A0500TB00 is available 115/1/60 (TEAO) or 230/1/60 (ODP).

- Model A0803T000 through A7503T00 are 230/460/3/60 (TEFC).

- Other power variations available upon request - consult factory.

- Air motor option available on all sizes - consult factory.

- Maximum working pressure for Models WS01 - WS03 230 PSIG; all other models 200 PSIG.



Nirvana Cycling Refrigerated Dryer NVC800



Technical Information: Capacity: 928 scfm @ 150 psig (corrected) Dew Point: 38°F Refrigerant: R-404A Maximum Operating Pressure: 230 psig Weight: • 1415 lbs. Aircooled Air Connection: 3" NPT Water Connection: 3/4" NPT Drain Connection: 1/4" FPT Dimensions (W x D x H): 42" x 40" x 62"

Additional Engineering Data available upon request

Image for reference only

Product Description:

The Nirvana Cycling Dryer models are thermal mass type, refrigerated dryers that are designed to have high thermal efficiency and low pressure drop by utilizing a thermal mass medium and a premium corrugated, stainless steel pre-cooler / re-heater for heat transfer. This allows the dyer's refrigerant compressor to cycle on/off while maintaining a precise pressure dew point. The Microprocessor LED Controller, provides operational and energy savings readouts while offering flexibility and precision in chiller control.

Reliably produced dry air is important to the customer's productivity, product quality, and process equipment life. Nirvana Cycling Dryers afford the customer economical performance with minimal maintenance. Also, significant energy savings are realized due to the cycling compressor and minimal pressure drop.

Key Features & Benefits:

- Automatic Dryer Restart
- LED Microprocessor

Key Options Available:

- Aircooled or Watercooled
- NEMA 1 or NEMA 4 Electrics
- ENL No Loss Drain



High Efficiency Coalescing Filter FA1200 IH



Technical Information: Capacity: 864 scfm @150 psig (corrected) Maximum Operating Pressure: 250 psig Weight: 20.5 lbs. Connection Size: 3" NPT Condensate Connection: 1/2" NPT Dimensions (W x H): 8.07" x 23.63"

Additional Engineering Data available upon request

Image for reference only

Product Description:

The Ingersoll Rand General Purpose filter provides particulate removal to 0.01 micron and coalescing filtration to 0.008 ppm (W). These filters are supplied as the pre filters with Ingersoll Rand heatless desiccant dryers.

Compressed air quality is important to the customer's product quality. Coalescing filters remove lubricant and water particles that can contaminate the customer's end product. High quality Ingersoll Rand filters provide this protection along with the added benefit of low-pressure drop. Each additional 2 psig of downstream pressure drop requires 1% additional compressor drive motor bhp. By minimizing pressure drop, these filters reduce the customer's energy costs.

Key Features & Benefits:

- Pressure Die Cast Aluminum Body
- Dual Scale Pressure Differential Gauge
- Proprietary Corrosion Resistant Coating
- Automatic Drain Valve

Key Options Available:

- Replacement Element
- Mounting Kit
- Manual Drain Kits
- O-Ring Kit



Controls - Intelliflow



Image for reference only

Technical Information:

Standard Valve:

- 2, 3, 4, 6 & 8" Valve sizes available
- 850 16,000 Scfm
- 150 psig and 150 DegF Max
- PID Control / Fail to Open position

High Performance Valve: Triple Offset valve

- 3, 4, 6 & 8" Valve sizes available
- 1,600 17,000 Scfm
- 150 psig and 400 DegF Max
- PID Control / Fail to Open position

Power Supply:

• 110 V, AC, single phase electrics

Control air to regulator must be between 80-150 psig

Product Description:

Ingersoll Rand IntelliFlow control effectively uses system storage to compensate for high, random air usage and avoids the need to increase the entire system pressure.

Adding an IntelliFlow will eliminate the energy and maintenance costs associated with elevating pressure, providing bottom line savings

Key Features & Benefits:

- High Volume low pressure drop design
- Electronic PID control of valve position
- Mounted controller with digital interface
- Mounted pressure transducer & 3-valve bypass
- Increased Productivity: Optimizes production air control
- Increased Efficiency: Optimizes energy use
- Increased Reliability: Eliminates compressor rapid cycling
- Reduced Waste: Lower Pressure, less air consumption