

GA250-150 SERIES QUOTATION

TO: Wausau Otis
Att: Tim Welch

FROM: DL Thurrott Air Products

We are pleased to offer the GA twin element, single stage, oil injected rotary screw air compressor.

COMPRESSOR MODEL GA250-150

THE STANDARD PACK UNIT INCLUDES:

- Two-stage high efficiency air inlet filter
- Air inlet valve/unloader assemblies
- Patented twin compressor screw element
- Gear drive through flex coupling
- D-Flanged drive motor
- TEFC cooling fan motor
- Hinged cooling fan assembly (aircooled units)
- ASME coded air/oil separator tank and pressure relief valve
- Hinged/swivel air/oil separator tank cover
- High efficiency air/oil separator element with expanded surface area
- Differential pressure oil system with oil cooler
- Oil stop valves
- Minimum pressure valve
- Check valves
- Thermostatic oil cooler by-pass valve
- Oil filter/spin-on type
- Oil level indicator
- Extended oil drain hose
- Factory oil fill
- Aftercooler and high efficiency moisture separator with:
 - Manual and automatic drains
- Stainless steel plate coolers (watercooled units)
- Coolers constructed of welded aluminum (aircooled units)
- CSA/UL Control cubicle with Y-D starter & control transformer
- Main base frame with fully enclosed metal floor
- Vibration isolated compressor/drive assembly
- Full acoustical sound attenuating enclosure
- Elektronikon Module
(see Elektronikon Control Module description)

FULL FEATURE UNIT INCLUDES:

- Includes all of the Pack unit standard equipment.
Integrated refrigerated dryer, ID, with:
- Interconnecting piping
 - Interconnecting wiring
 - R404a (zero ozone depletion) refrigerant
 - Three valve by-pass on air circuit

**GA250-150 SERIES
QUOTATION****COMPRESSOR MODEL GA250-150****ELEKTRONIKON CONTROL MODULE**

The Elektronikon regulating system provides energy efficient load/no load control. The on-board micro-processor automatically regulates, controls and monitors the compressor operation.

A partial description for the module's capabilities include*:

LED Indicators:

- Automatic Operation
- Voltage On
- General Alarm/Shutdown

Compressor Safety Shutdown Indications

- High Element Outlet Temperature
- Drive Motor Overload
- Fan Motor Overload
- Emergency stop

Push Button/Tactile Switch:

- Start/Stop
- Emergency Stop
- Function Keys (F1-F3)
- Scroll Keys
- Tabulator Keys (more data)

Service Indicators:

- Air Filter
- Oil Filter
- Oil Separator
- Oil Lifetime
- Regreasing of motor
- Sensor error

Available Data:

- Element Outlet Temperatures
- Delivery Air Pressure
- Air Filter Delta P
- Oil Separator Delta P
- Element 1 Oil Inlet Pressure
- Cooling Medium Temperature
- Dryer Dewpoint Temperature (FF only)
- Running Hours
- Loaded Hours
- Elektronikon Regulator Hours

Configuration Parameters:

- Time
- Date
- Format of Date
- Language of Display
- Units for Pressure
- Units for Temperature
- Auto restart after power failure (factory disabled)
- Motor Start Mode

Compressor Safety Warning Indications

- High Element 1 Outlet Temperature
- High Element 2 Outlet Temperature

*More detailed information is available upon request



QUOTATION NO.

DATE

9/8/04

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**GA200-315 SERIES
QUOTATION**

COMPRESSOR MODEL GA250-150

COMPRESSOR DATA

| | | |
|----------------------------|-------|------|
| Capacity | 1227 | CFM |
| Normal operating pressure | 100 | PSIG |
| Maximum operating pressure | 157 | PSIG |
| Power consumption | | |
| @ operating pressure | | |
| Compressor | 264 | BHP |
| Cooling fan | .7 | BHP |
| Package TOTAL | 264.7 | BHP |
| Compr. @ no load | 56 | BHP |
| Dryer (FF only) | N/A | BHP |

ELECTRICAL DATA (main drive motor)

| | |
|----------------|--------------------------|
| Motor | 300 HP |
| Motor type | Induction |
| Enclosure | TEFC |
| Volts/Ph/Hz | 575 480 /3/60 |
| Service Factor | 1.2 |
| Efficiency | 98.2% |
| Speed | 1800 RPM |
| Insulation | F |
| Manufacturer | WEG |
| Starter type | Wye-delta |

ADDITIONAL GENERAL DATA**Compressor cooling**

| | | |
|--|-----|-----|
| - Pack unit cooling air flow, aircooled units | N/A | CFM |
| - Full Feature unit cooling air flow, aircooled units | N/A | CFM |
| - Pack unit cooling water flow 18 °F rise, watercooled units | 67 | GPM |
| - Full Feature unit cooling water flow 18 °F rise, watercooled units | N/A | GPM |

Aftercooler approach

| | | |
|---------------|-----|----|
| - Aircooled | N/A | °F |
| - Watercooled | 16 | °F |

Pressure dewpoint (FF units only)

NA °F

Compressor oil type

HD Roto fluid

Compressor oil sump capacity

30 GAL

Sound level per CAGI PNEUROP PN8NTC2 test code

72 dB(A)

SHIPPING DIMENSIONS AND WEIGHTS (approximate)

| | | |
|-------------------------------------|--------|--------------|
| Length | 118 | inches |
| Width | 71 | inches |
| Height | 90 | inches |
| Air discharge connection | 4 | In 150 lb RF |
| Cooling water in/outlet connections | 2 | Inches NPT |
| Condensate drain connections | | |
| Manual | .5 | Inches NPT |
| Automatic | .5 | Inches NPT |
| Shipping weight | 13,039 | LBS |

Unit performance measured according to CAGI PNEUROP PN2CPTC2 test code.