Product Reference Sheet E-AIR T400 BQD

Portable Compressor



Standard Scope of Supply

The E-AIR T400 have been designed to offer true versatility through compact dimensions and useful and intuitive electronic controller. Providing exceptional reliability and efficiency, these units are designed to operate in a wide range of applications in the harshest of work environments.

Whether being used for running pneumatic breakers, general construction work, sandblasting or for rental are all within the capability of these units. Wide choices of options are available which to build these units specific from the simplest to most complex specialized application.

Despite the overall compactness these compressors still provide exceptional access to all the service and maintenance points. The compressor is driven by the latest high efficient IE3 motor ensuring low operational costs and high resale value.

Above all Atlas Copco compressors are build for reliability, easily maintained, CE and CSA/UL compliant, providing many years of trouble free performance

Available models

E-AIR T400

Single stage – 420CFM @150 PSI



Features

Controller XC2003

Benefits

- The versatility of the Xc2003 controller gives you the flexibility to tune your machine to a wider range of applications. This feature makes the compressor very versatile as the same unit can be used for various application. This increases the utilization and hence the ROI as against a standard compressor.
- The unit comes with a Spillage Free frame as Standard with 110% fluid containment, CE and CSA/UL compliant equipment
- Unit is enclosed in a sound attenuated Zincor steel
 enclosure
- High residual value
- Low operating costs

- Designed with environmental protection in mind
- Compact, sound attenuated, corrosion resistant
 enclosure
- 2-layer painting
- Long service intervals



Main data

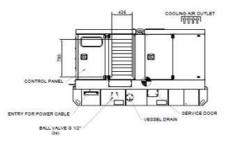
Frequency Hz 60 50
Minimum effective receiver pressure bar 4 4
PSI 58 58
Maximum effective receiver pressure bar 10 10
PSI 150 150
Maximum ambient temperature °C (°F) 50 (122) 50 (122)
Minimum ambient temperature °C (°F) -10 (14) -10 (14)
Motor shaft speed (rpm) rpm 3570 2976
Free air delivery
Effective working pressure (bar(g)) 10 CFM (I/s) 420 (199) 420 (199)
Total electrical power input (kW)
Effective working pressure (bar(g)) 10 kW (HP) 86 (115) 91 (122)
Total electrical power input at unload kW (HP) 22 (30) 25 (33)
Compressed air temperature at outlet valve ^o C Amb+25 +/- 5°C Amb+25 +/- 5°C
Fan(s) shaft power kW (HP) 3,61 (4,8) 3,26 (4,4)
Fan(s) electrical power input kW (HP) 4,1 (5,5) 4,7 (6,3)
DESIGN DATA
Drive motor installed power kW 75 kW (100 HP-cv) 75 kW (100 HP-cv)
Drive motor name Motor Trif W22 WEG Motor Trif W22 WEG
Housing 250S/M 250S/M
Motor shaft speed rpm 3570 2970
Frequency 60 Hz 50Hz
Voltage 380/440 Volts 400 Volts
Current A 136/118 128
Service Factor 1,15 1,15
lp/ln 9,6 10,2
I.P. IPW55 (TFVE) IPW55
Fan motor name AT112S-4 AT112S-4
Housing 112M 112M
Motor shaft speed rpm 1740 1460
Frequency 60 Hz 50 Hz
Voltage 220/380/440V 400V
Current A 13,6/7,85/6,78 8,32
Service Factor 1 1,15
lp/ln 7,4 8,2
I.P. IP55 IP55
Shipping mass (kg)
E-AIR T400 50 Hz wet Kg (lb) - 1620 (3571)
E-AIR T400 50 Hz net Kg (lb) - 1580 (3483)
E-AIR T400 60 Hz wet Kg (lb) 1625 (3583) -
E-AIR T400 60 Hz net Kg (lb) 1585 (3494) -

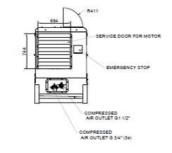


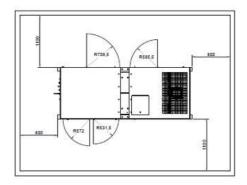
Dimensions

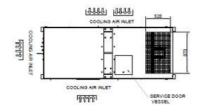
See dimension drawing











Principle Data

Compressor Element

The quality of a compressor can be measured through the reliability, efficiency and durability of the compressor element used. Through decades of expertise in the design of compressor elements, the result is the production of most efficient and reliable compressors in the market. When the screw element is efficient durability excels, maintenance intervals decrease and fuel consumption goes down.

Air/Oil Separator

Air and oil separation is achieved through a centrifugal oil separator combined with a filter element. Vessel is ASME approved and stamped accordingly.

Designed for a higher maximum working pressure, the separator is equipped with a high pressure sealed and certified safety relief valve, automatic blow-down valve

Compressor Regulating System

The compressor regulating system consists of air filter, air receiver/oil separator, compressor element, unloader assembly with unloader valve, blow down valve and loading valve.

Discharge outlets

Compressed air is available from $1 \times G1.1/2 + 3 \times 3/4$ " outlet.

Motor

WEG

High efficiency CE and CSA/UL compliant motor provides ample power to operate the compressor continuously at full load. Motor output at rated speed is 75kW (100HP) for E-AIR T400.

The Motor has the capability to start the compressor to -10°C without the addition of a cold start aid.



Electrical System

Instrumentation

The instrument control panel is located on the rear corner, of the compressor canopy with easy access.

Standard instrument package includes a controller with large display. The intuitive Atlas Copco XC2003 controller is easy to operate with all functions conveniently at your fingertips. The controller also manage a number of safety warnings and shut downs on various parameters (listed below).

XC2003 Controller Functionality:

- Displayed while running
 - Hours
 - Outlet pressure

- **Operational Buttons**
 - Start and stop of the unit
 - View measurements, settings and alarms _
 - Multi position cursor to navigate menus

- Compressor measurements displayed
 - Running hours
 - Clock
 - Regulating pressure
 - Emergency stop count
 - Air discharge pressure
 - Minor and major service counters in hours and days
- Alarms
 - View current & historical alarms present
 - History of last 20 alarms and events with time and date stamps

- Warnings and Shutdowns
 - Power phase detection Main Motor Overload

 - Fan Motor Overload _
 - _ Vessel pressure
 - Pressure Air Discharge
 - Element Temperature
- Settings
 - Reset service timers -
 - -
 - Language settings Unit of measure changes _





Bodywork

The compressor is delivered as standard with a zincor coated steel canopy with powder coat paint finish providing excellent corrosion protection. The canopy is available in either un-silenced or fully sound attenuated versions meeting the most current legal noise requirements. The hood concept door provides complete service access to all components.

The standard colour combination is Atlas Copco Yellow and RAL 7011 grey, however, other colour combinations are also available on demand.

Undercarriage

The E-AIR T400 compressor is available with an undercarriage alternative, providing utmost flexibility in installation or towing requirements.

- Skid mounted;
- 2-wheel style fixed height undercarriage with brakes.

Supplied Documentation

The unit is delivered with documentation regarding:

- Hard copies of the Atlas Copco Operators Safety and Instruction Manual, Atlas Copco Parts Book, motor Manual and Parts book, as well
 as electronic copies available on request.
- Warranty Registration card for Motor and Atlas Copco Compressor (Units must be registered upon receipt).
- Certificate for air/oil separator vessel and safety valve approval (Upon request only).

Warranty Coverage

Please refer to product presentation for warranty info

Extended Warranty Programs are available; please contact your local sales representative for more info.

