Product Reference

E-AIR T900 BQD

Portable Compressor

Standard Scope of Supply

The E-AIR T900 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 WEG high efficient 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 T900	Single stage – 875CFM @10 bar - WEG motor

Features

- Controller XC2003
- Designed with environmental protection in mind
- Compact, sound attenuated, corrosion resistant enclosure
- 3-layer painting
- Long service intervals

Benefits

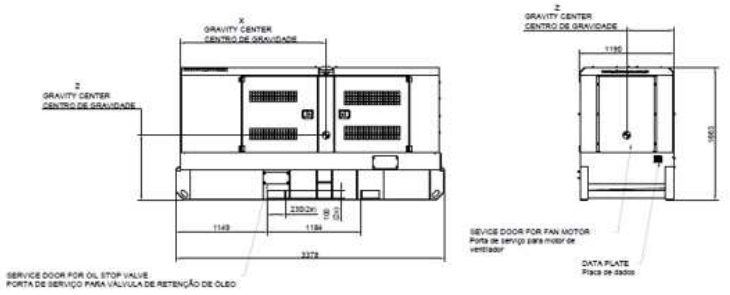
- The versatility of the Xc2003 controller gives you the flexibility to tune your machine to a wider range of applications. This feature makes the compressor very versatile as the same unit can be used for various application. This increases the utilization and hence the ROI as against a standard compressor.
- 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

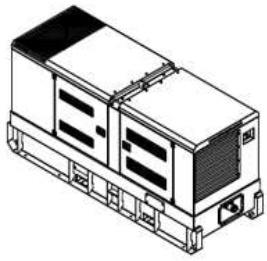
Main data

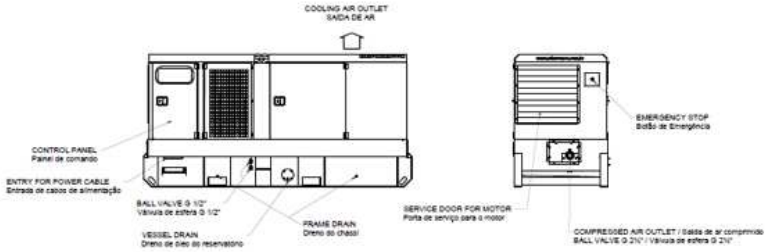
Model		E-AIR T900	E-AIR T900
Frequency	Hz	60	50
Minimum effective receiver pressure	Bar	4	4
	PSI	58	58
Maximum effective receiver pressure at no load	Bar	10,4	10,4
	PSI	150	150
Maximum ambient temperature	°C (°F)	45 (113)	45 (113)
Minimum ambient temperature	°C (°F)	0 (32)	0 (32)
Motor shaft speed (rpm)	rpm	1790	2890
Free air delivery			
Effective working pressure (bar(g)) 4	CFM (l/s)	903 (426)	903 (426)
Effective working pressure (bar(g)) 5	CFM (l/s)	896 (423)	896 (423)
Effective working pressure (bar(g)) 6	CFM (l/s)	892 (421)	892 (421)
Effective working pressure (bar(g)) 7	CFM (l/s)	888 (419)	888 (419)
Effective working pressure (bar(g)) 8	CFM (l/s)	884 (417)	884 (417)
Effective working pressure (bar(g)) 9	CFM (l/s)	879 (415)	879 (415)
Effective working pressure (bar(g)) 10	CFM (l/s)	875 (413)	875 (413)
Effective working pressure (bar(g)) 10,4	CFM (l/s)	871 (411)	871 (411)
Total electrical power input (kW)			
Effective working pressure (bar(g)) 4	kW (HP)	151 (202)	159 (213)
Effective working pressure (bar(g)) 5	kW (HP)	154 (207)	162 (217)
Effective working pressure (bar(g)) 6	kW (HP)	161 (216)	169 (226)
Effective working pressure (bar(g)) 7	kW (HP)	169 (227)	178 (239)
Effective working pressure (bar(g)) 8	kW (HP)	177 (237)	186 (249)
Effective working pressure (bar(g)) 9	kW (HP)	185 (248)	194 (260)
Effective working pressure (bar(g)) 10	kW (HP)	194 (260)	204 (274)
Effective working pressure (bar(g)) 10,4	kW (HP)	195 (261)	205 (275)
Unload	kW (HP)	74 (99)	74 (99)
Total electrical power input at unload	kW (HP)	78 (105)	79 (106)
Compressed air temperature at outlet valve	ºC	Amb+16 +/- 7°C	Amb+16 +/- 7°C
Fan(s) shaft power	kW (HP)	4 (5)	4 (5)
Fan(s) electrical power input	kW (HP)	4 (5)	5 (6.7)
DESIGN DATA			
Drive motor installed power	kW	160 kW (220 HP-cv)	160 kW (220 HP-cv)
Drive motor name		Motor 3Ph W22 WEG	Motor 3Ph W22 WEG
Housing		315S/M	315S/M
Motor shaft speed	rpm	1790	2980
Frequency		60 Hz	50 Hz
Voltage		380/440/460/575 Volts	400 Volts
Current		297/256/243/194 A	264 A
Service Factor		1,2	1,2
Ip/In		8	8
I.P.		IPW55	IPW55
Fan motor name		AT112S-4	AT112S-4
Housing		112M	112M
Motor shaft speed	rpm	1740	1460
Frequency		60 Hz	50 Hz
Voltage		220/380/440/460/575	400 Volts
Current	A	14,2/8,24/7,11/6,6/	8,32 A
Service Factor		1	1,15
Ip/In		7	8,2
I.P.		IP55	IP55
Shipping mass (kg) – XATS900E 50 Hz wet	Kg (lb)		3160 (6967)
Shipping mass (kg) – XATS900E 50 Hz net	Kg (lb)	-	3105 (6845)
Shipping mass (kg) – XATS900E 60 Hz wet	Kg (lb)	2963 (6532)	-
Shipping mass (kg) – XATS900E 60 Hz net	Kg (lb)	2908 (6411)	-
Shipping mass (kg) – Option DDx/PDx filters	Kg (lb)	40 (88)	40 (88)
Shipping mass (kg) – Weight Undercarryage	kg	517 (1140)	517 (1140)

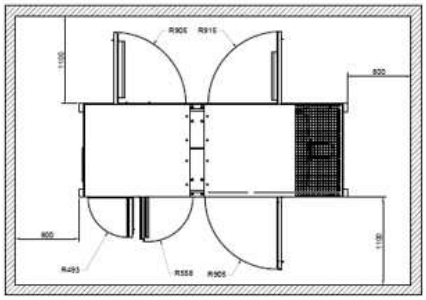
Dimensions

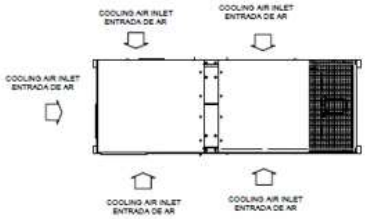
See dimension drawing

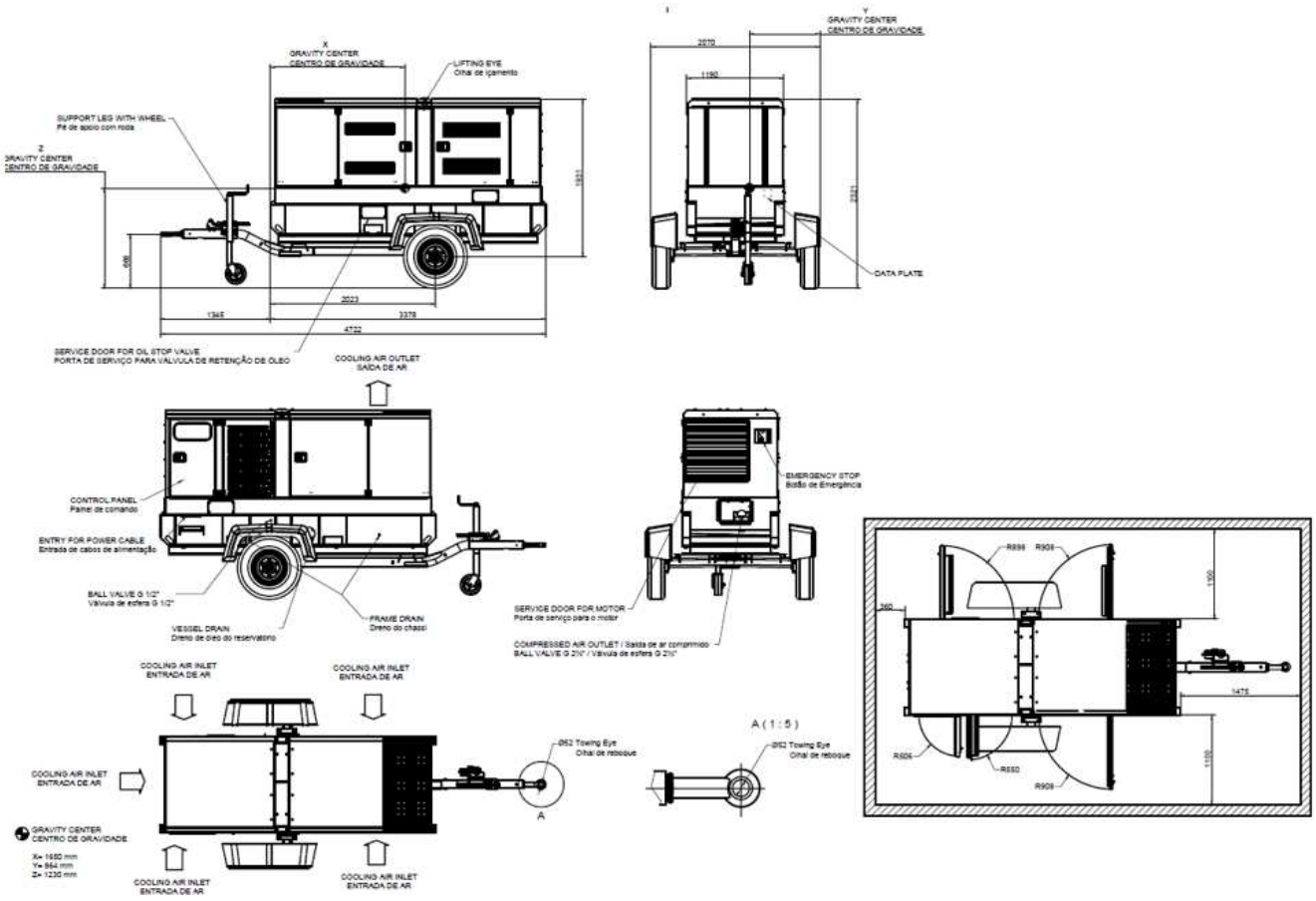











X
GRAVITY CENTER
CENTRO DE GRAVIDADE
LIFTING EYE
Olhal de içamento
SUPPORT LEG WITH WHEEL
Pé de apoio com roda
Z
GRAVITY CENTER
CENTRO DE GRAVIDADE
Y
GRAVITY CENTER
CENTRO DE GRAVIDADE
DATA PLATE
SERVICE DOOR FOR OIL STOP VALVE
PORTA DE SERVIÇO PARA VALVULA DE RETENÇÃO DE ÓLEO
COOLING AIR OUTLET
SAÍDA DE AR
CONTROL PANEL
Painel de comando
ENTRY FOR POWER CABLE
Entrada de cabos de alimentação
BALL VALVE G 1/2"
Válvula de esfera G 1/2"
VESSEL DRAIN
Dreno de óleo do reservatório
FRAME DRAIN
Dreno do chassi
EMERGENCY STOP
Botão de Emergência
SERVICE DOOR FOR MOTOR
Porta de serviço para o motor
COMPRESSED AIR OUTLET / Saída de ar comprimido
BALL VALVE G 2½" / Válvula de esfera G 2½"
COOLING AIR INLET
ENTRADA DE AR
Ø52 Towing Eye
Olhal de reboque
A
A (1 : 5)
GRAVITY CENTER
CENTRO DE GRAVIDADE
X= 1650 mm
Y= 964 mm
Z= 1230 mm

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

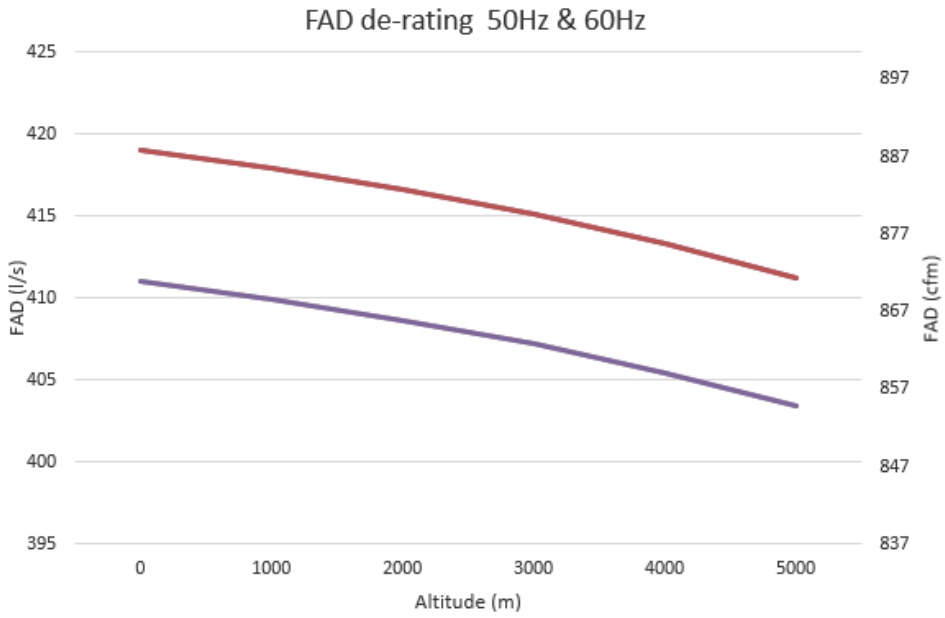
Compressed air is available from 1 x 2.1/2” outlets.

Motor

WEG

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 160kW for E-AIR T900.

The Motor has the capability to start the compressor to 0°C without the addition of a cold start aid.



Electrical System

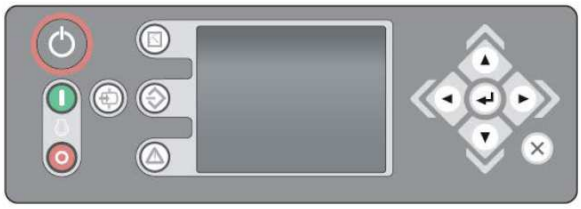
Instrumentation

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
- Compressor measurements displayed
  - Running hours
  - Clock
  - Regulating pressure
  - Emergency stop count
  - Air discharge pressure
  - Minor and major service counters in hours and days
- 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
- Operational Buttons
  - Start and stop of the unit
  - View measurements, settings and alarms
  - Multi position cursor to navigate menus
- Alarms
  - View current & historical alarms present
  - History of last 20 alarms and events with time and date stamps



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 T900** 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, WEG 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.