

XA(H,T)S 350-400 T3, XAHS 400 PACE WUX

Portable Compressor



Standard Scope of Supply

The Atlas Copco XAS 400, XATS 350, XAHS 350 and XAHS 400 PACE are silenced, single-stage, oil-injected screw compressors, powered by liquid-cooled, four-cylinder Cummins diesel engine.

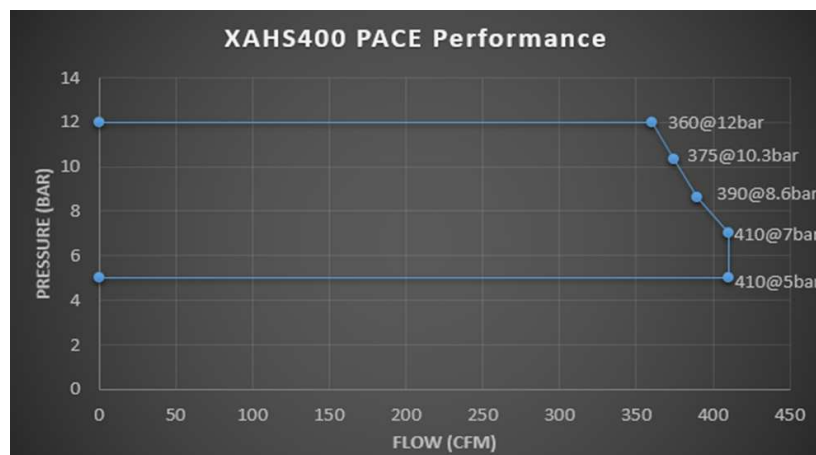
The unit consist of a high efficient compressor element, diesel engine, cooling, air/oil separation and control systems - all enclosed within a sound dampened power coated steel enclosure.

Special attention has been given to the overall product quality, user friendliness, ease of serviceability, and economical operation to ensure best in class cost of ownership.

PACE models enable multiple pressure and flow settings, ensuring you match air flow and pressure to your application needs.

Available Models

XAS 400	Single Stage – 410 cfm@100 psi – Cummins Diesel Engine
XATS 350	Single Stage – 360 cfm@150 psi – Cummins Diesel Engine
XAHS 350	Single Stage – 360 cfm@175 psi – Cummins Diesel Engine
XAHS 400 PACE	Single Stage – 410-360 cfm@72-175 psi – Cummins Diesel Engine



Features

- Cummins electronic Tier 3 engine
- Optimized vessel cover
- PACE (Pressure Adjusted Cognitive Electronic)

- Top mounted muffler
- Additional fuel filter as standard
- Extra cooling capacity for hot environment
- Integrated top tank
- Safety cartridge as standard

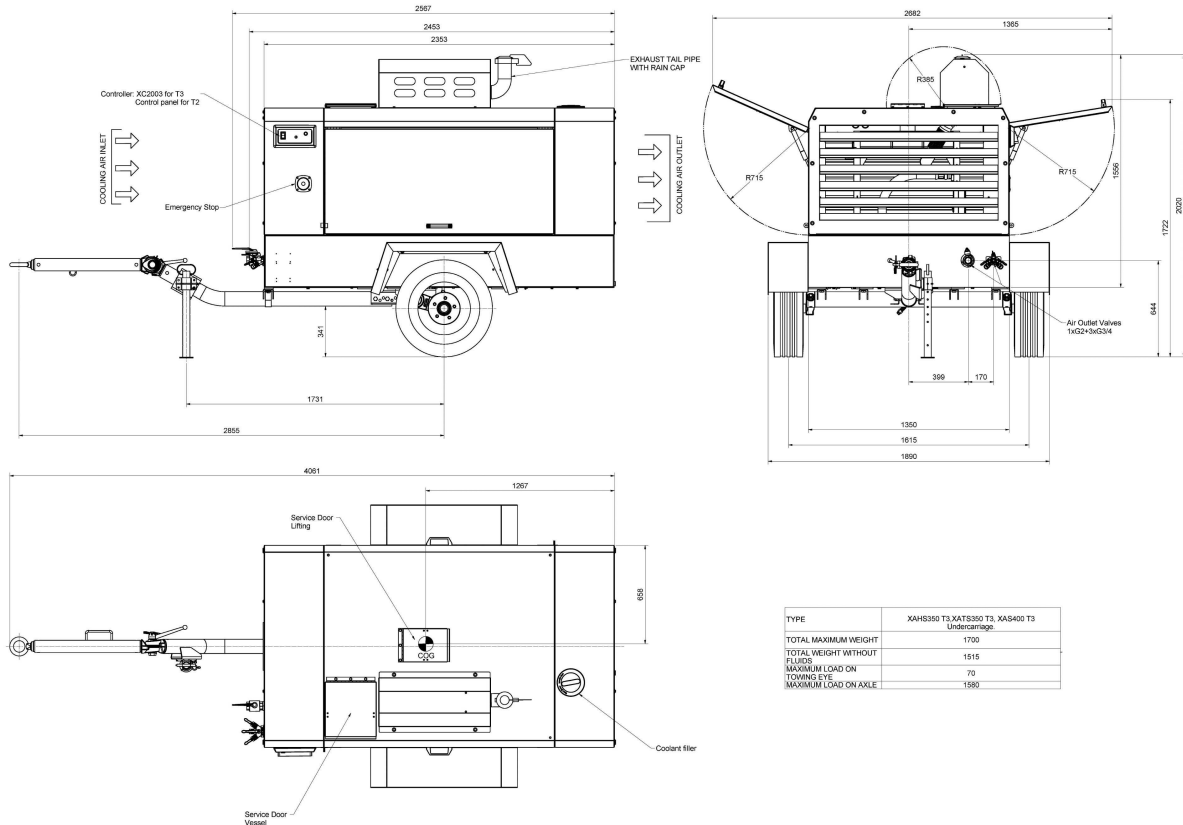
Benefits

- Better efficiency
- Save 1 hour for OSE change
- PACE technology gives you higher utilization, more versatility, improved efficiency savings and a higher return on investment.
- Less fire risks
- Work in bad fuel quality areas
- Work in high ambient temperature up to 50°C
- Less leakage risk
- Security for tough applications

Technical data basic unit*

Model		XAS 400	XATS 350	XAHS 350	XAHS 400 PACE
Normal effective working pressure	bar	7	10.3	12	5 - 12
Absolute inlet pressure	bar	1	1	1	1
Relative air humidity	%	0	0	0	0
Air inlet temperature	°C	20	20	20	20
Minimum effective receiver pressure	bar	4	4	4	4
Maximum effective receiver pressure (Unloaded)	bar	8.5	11.5	13.5	13
Actual free air delivery	l/s	191	166	166	191 - 166
Fuel consumption					
at 100% FAD (full load)	kg/h	17	18.98	20.31	17.08
at 75% FAD	kg/h	13.37	-	15.03	15.11
at 50% FAD	kg/h	11.2	-	13.14	14.02
at 25% FAD	kg/h	9.74	-	12.46	10.12
Specific fuel consumption at 100% FAD	g/m ³	25.55	31.82	34.05	29.81
Maximum typical oil content of compressed air	mg/m ³	5	5	5	5
Max. sound power level (Lw @ 2000/14/EC)	dB(A)	-	-	-	-
Compressed air temperature at outlet valve	°C	110	110	110	110
Max. ambient temperature at sea level without aftercooler	°C	50	50	50	50
Min. starting temperature with cold weather equipment	°C	-25	-25	-25	-25
Min. starting temperature without cold weather equipment	°C	-10	-10	-10	-10
Number of compression stages		1	1	1	1
Engine		Cummins			
Type		QSB3.9-C130			
Emission stage		Stage IIIA / Tier 3			
Coolant		Liquid (glycol 50%)			
Number of cylinders		4			
Bore	mm	102			
Stroke	mm	120			
Swept volume	l	3.9			
Engine power at normal shaft speed @ SAE J 1995	kW	95			
Full Load	rpm	2300			
Unload	rpm	1700			
Capacity of oil sump	l	10			
Capacity of cooling system	l	20			
Capacity of compressor oil system	l	25			
Net capacity of air receiver	l	42			
Air volume at inlet grating (approx.)	m ³ /s	6.3			
Capacity of standard fuel tanks	l	175			
Dimensions: Box unit (L x W x H)	mm	2458 x 1350 x 1525			
Weight - Wet	kg	1600			
Transport Dimensions: Undercarriage (L x W x H)	mm	4120 x 1890 x 1991			
Weight - Wet	kg	1700			

Dimensions



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 on the market.

Air/Oil Separator

Air and oil separation is achieved through a centrifugal oil separator combined with a filter element.

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

Cooling System

The engine is provided with a liquid-cooler and intercooler and the compressor is provided with an oil cooler. The cooling system is suitably designed for continuous operation in ambient conditions up to 50°C, with all canopy doors closed.

Compressor Regulating System

The compressor is provided with a continuous pneumatic regulating system and a blow-off valve which is integrated in the unloader assembly.

Introduction of intuitive PACE functionality offers the widest operating pressure range within a single compressor. Economic power consumption is assured by the fully automatic, step-less speed regulator that adapts engine speed to air demand.

Discharge Outlets

Compressed air is available from 1 x G1½ and 3 x G¾ outlet valves.

Engine

Cummins Diesel Engine

The compressor is driven by a liquid-cooled, four-cylinder Cummins QSB3.9-C130-31 diesel engine. The engine's power is transmitted to the compressor element through a heavy-duty coupling.

Electrical System

The XAS 400, XATS 350, XAHS 350 and XAHS 400 PACE are equipped with a 24-volt negative ground electrical system.

Instrumentation - XC2003

The XC2003 control panel is located on the side of the compressor canopy.

The intuitive Atlas Copco XC2003 controller is easy to operate with all functions conveniently at your fingertips. The controller also manages the engine ECU operating system, and a number of safety warnings and shut downs on various parameters (listed below).

XC2003 Controller Functionality:

- Displayed while running
 - Hours
 - Fuel level
 - DEF level
 - RPM
 - 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
 - Fuel level
 - Clock
 - Battery voltage
 - Running hours
 - Regulating pressure
 - Emergency stop count
 - Average fuel consumption
 - Minor and major service counters in hours and days
- Engine measurements displayed
 - Current fuel rate
 - Engine coolant temperature
 - Engine oil pressure
 - DPF Soot level
 - Engine RPM
- Warnings and Shutdowns
 - High temperature engine coolant
 - High temperature compressor oil
 - Engine oil pressure
 - Low fuel level
 - High DPF soot level
- Alarms
 - View current & historical alarms present
 - History of last 20 alarms and events with time and date stamps
 - DM1 & DM2: View current engine codes (SPN/FMI)
- Settings
 - Manual regeneration of DPF
 - Reset service timers
 - Diagnostics for engine ECU
 - Language settings
 - Unit of measure changes



Safety Devices

The compressor is standard equipped with safety devices for the compressor and the engine. The unit will be completely turned off should:

- Engine oil temperature rise too high
- Engine oil pressure drop too low
- Outlet temperature of the compressed air goes outside a specified range.
- Low fuel level

The starter motor is also protected against overloading from operating for an excessive period or when the engine is running.

Bodywork

The compressor is delivered as standard with a zinc coated steel canopy with powder coat paint finish providing excellent corrosion protection. Wide doors provide complete service access to all components.

Manufacturing & Environmental Standards

The XAS 400, XATS 350, XAHS 350 and XAHS 400 PACE are manufactured following stringent ISO 9001 regulations, and by a fully implemented Environmental Management System fulfilling ISO 14001 requirements. Attention has been given to ensure minimum negative impact to the environment.

Supplied Documentation

The unit is delivered with the following documents and certificates:

- Spare parts list for compressor.
- Instruction manual for both compressor and engine.
- Machine test certificate
- Air / oil separator vessel certificate.

Warranty Coverage

- Please refer to product presentation for warranty info.
- Extended Warranty Programs are available; please contact your local sales representative for more info.

* **Note:** Due to continuous improvements in the products, the technical specifications are subject to change without prior notice.