

XAMS 527 / XATS 487 / XAHS 447 / XAVS 407 PORTABLE AIR COMPRESSORS



Technical Data

Type		XAMS 527	XATS 487	XAHS 447	XAVS 407
Nominal pressure	bar	8.6	10.3	12	14
	psi	125	150	175	200
Actual free air delivery*	l/s	520	482	443	406
	cfm	1102	1020	938	860
	m3/min	31.2	28.9	26.5	24.3
Compressor oil system capacity	l		80		
	US Gal.		21		
Fuel tank content (standard)	l		796		
	US Gal.		210		
Air outlet valve	mm / inch		1 x 63,5 / 1 x 2,5"		

Engine - Caterpillar

Type - A rated		C9ACERT T3
Power	KW	224
	HP	300
Engine speed (nominal)	rpm	1800
Engine speed (unload)	rpm	1300

Unit Dimensions (overall) L x W x H

Wagon (towbar raised)	m	4.9 x 2.14 x 2.48
	inch	192.9 x 84.3 x 97.6
Support mounted	m	4.05 x 2.14 x 2.25
	inch	159.4 x 84.3 x 88.6

Weight (wet excl. fuel)

Wagon (towbar raised)	kg	5580
	lbs	12302
Support mounted	kg	4980
	lbs	10979

Sound Level

Sound power level (LWA)**	dB(A)	104
Sound pressure level (LPA) at 7m or 21ft	dB(A)	76

XAMS 527 / XATS 487 / XAHS 447 / XAVS 407

PORTABLE AIR COMPRESSORS

New features

Benefit

Higher air flow

more air for the application and fewer total units used in the fleet

Better specific fuel consumption

fuel savings that add up over the total life cycle

Larger fuel autonomy

60% more fuel capacity = 15.3 hours of operation at full load

Also available

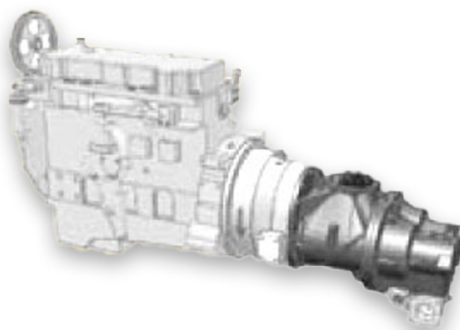
- Additional Fuel Filter (standard)
- FuelXpert (option)
- Aftercooler / Water Separator (option)

The New C190 Element

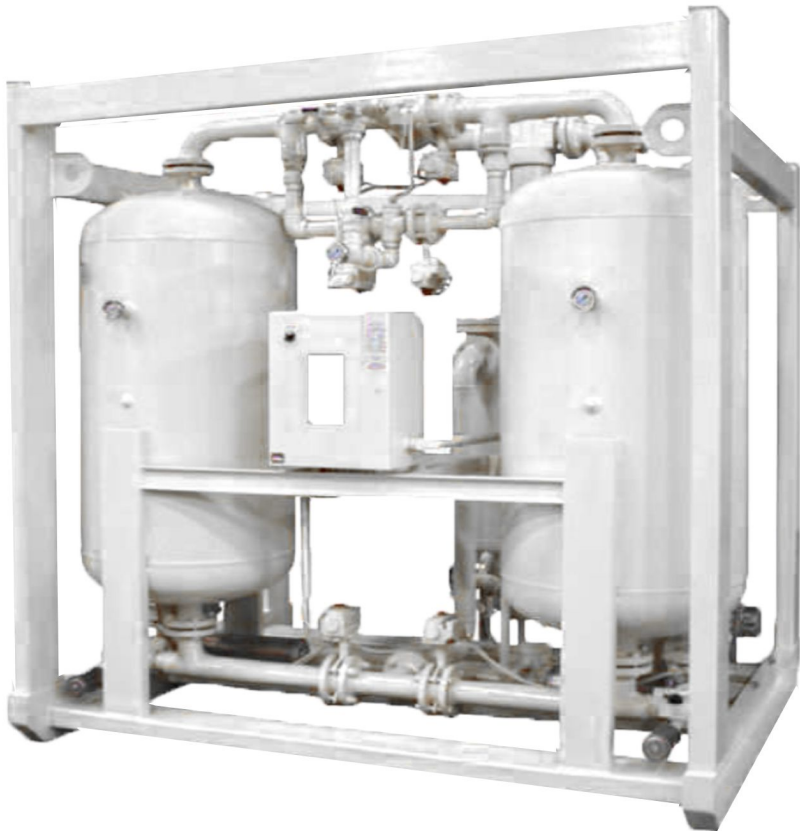
This is proven path of continuous development has lead to the latest generation of highly engineered and reliable airends. The new C190 low pressure element provides the highest air volume for the best value.

Key improvements

- Reduced internal leakages
- Lower thrust loads
- Efficient oil cooling
- Efficient speed control
- Reduced energy costs



DESICCANT AIR DRYER PHS 1600



General Information

Dimensions (l x w x h)	mm	2400x1740x2440
Weight	kg	3600

Specifications

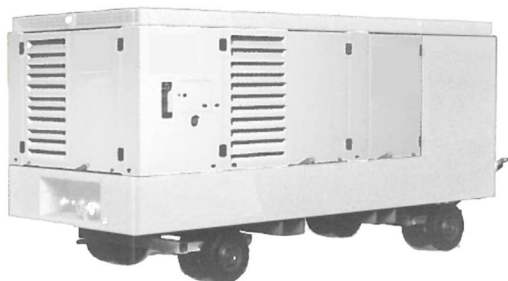
Max Ambient Temperature	(°C)	55
Air inlet	DIN	DN80 - PN16
Air outlet	DIN	DN80 - PN16

Performance

Lowest achievable Pressure dew point	(°C)	-40
Max Working pressure	bar(e)	11
Max Flow	m³/min	45.3

PTS IIIB 1600

100% OIL-FREE AIR COMPRESSOR - IIIB CERTIFIED



General

Dimensions LXWXH (mm)	5240x2210x2500
Mass dry/wet (kg)	7120 / 8260
Fuel tank capacity (l)	900
Sound Pressure level LPA (7m) dB (A)	74
Sound power level LWA dB (A)	102

Engine (Stage IIIB Certified)

Engine model	QSX15
Output @ 100% load factor(KW)	399
Fuel consumption at 100% load (l)	84

Compressor

Number of stages	2
Maximum capacity FAD (l/s)	762
Maximum capacity FAD (l/s)	45.7

Performance

Working Pressure		Free Air Delivery		
bar(e)	psig	m ³ /min	m ³ /U	cfm
6.9	100	45.7	2.742	1600
9.3	135	43.1	2.586	1522
10.3	150	37.4	2.244	1321

Other Features

Integrated aftercooler (10C + A)
Spillage free frame
Weatherproof canopy
Spark arrestor
Overspeed shut down system

PTS916
100% OIL-FREE AIR COMPRESSOR - DIESEL DRIVEN



General Information

Dimensions(lxbxh)	mm	5240x2210x2350	Pressure	bar(g)	0,5 - 10,3
Weight wet	kg	8260	Ambient temperature (A)	°C	-20 / +45
Fuel tank capacity	l	900	Air outlet temperature	°C	A + 10
Sound Pressure at 7m	db(A)	76	Air outlet connection	0	PN16 DN80 3"

Capacity(FAD)	m³/min	l/s
Pressure up to 6.9 bar(g)	45.7	762
Pressure up to 9.3 bar(g)	43.1	718
	37.4	623

Engine		
Type	Caterpillar	C18
Power (A)	kW	429
Fuel consumption(100% load)	l/h	95
Emission standard		Stage III

Capacity(FAD)

Refinery equipment: overspeed shutdown, spark-arrestor	Rig-safe version available
Auto Start	Hot Air Outlet
Spillage free frame	Integrated aftercooler
Class Zero certified (oil-free acc. to ISO8573-1)	

ATLAS COPCO PORTABLE AIR COMPRESSOR – MODEL : XAHS186



TECHNICAL SPECIFICATIONS:

Performance	Model*	XAHS 186
Normal effective working pressure	bar(e)	12
	psig	175
Free air delivery	l/s	179
	m ³ /min	10.7
	cfm	380
Engine		
Make		Deutz
Type		BF4M / 1013EC
Output	k/W	104
Fuel Consumption at full load	kg/h	20.7
Compressor		
Number of stages		1
Normal effective working pressure	bar(e)	2
Max. capacity	l/s	179
	m ³ /min	10.7
	cfm	380
Limitations		
Minimum effective receiver pressure	bar	4
Maximum effective receiver pressure	bar	13.5
Maximum ambient temperature at sea level	°C	45
Minimum starting pressure	°C	-10
General		
Dimensions (L x W x H)	m	3.94x1.70x1.66
Weight (wet)	kg	1883
Fuel tank capacity	L	175
Sound pressure level (LP) at 1m	dB(A)	71
Sound power level (LWA)	dB(A)	99

ATLAS COPCO PORTABLE AIR COMPRESSOR – MODEL : XAMS850 CD7



TECHNICAL SPECIFICATIONS:

Performance	Model*	XAMS 850CD7
Normal effective working pressure	bar(e) psig	8.6 125
Free air delivery	l/s m³/min cfm	403 24.1 854
Engine		
Make		CAT
Type		C7
Output	k/W	186
Fuel Consumption at full load	kg/h	39.9
Compressor		
Number of stages		1
Normal effective working pressure	bar(e)	8.6
Max. capacity	l/s m³/min cfm	403 24.1 854
Limitations		
Minimum effective receiver pressure	bar	4
Maximum effective receiver pressure	bar	9.9
Maximum ambient temperature at sea level	°C	45
Minimum starting pressure	°C	-10
General		
Dimensions (L x W x H)	m	5.56x1.98x1.97
Weight (wet)	kg	3500
Fuel tank capacity	L	250
Sound pressure level (LP) at 1m	dB(A)	72
Sound power level (LWA)	dB(A)	99

XAS 1600 CD6

HEAVY DUTY DIESEL ENGINE DRIVEN COMPRESSOR



Performance

XAS1600

Working pressure	bar(e)	psig	Free air delivery	
	6.9	100	m ³ /min	cfm
	8.6	125	45.2	1600
	10.3	150	42.5	1500
			38.7	1370
Compressed air temperature at outlet valves		°C	Amb + 15	

Engine

Type		CAT – C13 ACERT
Output	BHP	440
Fuel Consumption at 100% load	kg/h	62.5

Compressor

Number of stages		1 (TWIN)
Max. capacity	l/s	755
	m ³ /min	45.2
	cfm	1600

Limitations

Minimum effective receiver pressure	bar	4
Maximum effective receiver pressure, (unloaded)	bar	11.3
Maximum ambient temperature	°C	50
Minimum starting temperature	°C	-10

General

Dimensions (L x W x H)	mm	4900x2152x2500
Weight (without fuel)	kg	5600
Fuel tank capacity	L	780
Sound power level (LWA)	dB(A)	104

Other features

Spillage free frame	✓
Weather proof canopy	✓
External fuel tank connections	✓
Spark arrestor	✓
Integrated aftercooler (10 0C +A)	✓
Overspeed shut down system	✓

XA(T,H,V)S 146-186 PORTABLE AIR COMPRESSORS



XA(S)146 to –186 have been specially designed for heavy duty working environments such as the renovation industry (sandblasting) and quarries. They can assist in installing fibre optic cables, or be combined with combinations of pneumatic tools such as rock drills, hammers, to name a few. High altitudes and extremely high and low ambient temperatures are not a problem. Four pressure variants make these units fit for almost any application.

Heavy duty performer.

The XA(T,H,V)S 146-186 range has been specifically designed to perform in the harshest of work environments, and has the reputation for reliability and efficiency. Whether working on renovation projects such as sandblasting, or powering hand held rockdrills in a quarry, the robust construction of these units can withstand rough treatment and ensure long lifetime and high reliability. The highly efficient screw element is paired with either a COM 2 (C2) or the latest COM 3 (C3) compliant diesel engine ensuring low operating costs and high resale value.

Because compressed air is used in such broad range of applications, a wide choice of options is available to satisfy almost any requirement. This is fully implemented Quality Management and Environmental Management systems in the design and manufacturing of these units fulfill the requirements of ISO 9001 and ISO 14001.

Products and services committed to your superior productivity through interaction and innovation.



Features

- Ready to operate with a full range of options
- Use in all weather conditions (-25°C to +50°C)
- Small overall dimensions & light weight
- Extended service and maintenance intervals
- COM 2 or COM 3 compliant engines available

Advantages

- Easily transported or moved on site
- Easy to operate
- Lowest total cost of ownership
- Rugged construction built to last

XA(T,H,V)S 146-186

PORTABLE AIR COMPRESSORS

TECHNICAL DATA

COMPRESSOR

Type		XAS 186 C2	XAS 186 C3	XATS 156 C2	XATS 156 C3	XAHS 146 C3	XAHS 186 C3	XAVS 166 C3
Normal effective working pressure	bar(e)	7	7	10.3	10.3	12	12	14
	psig	102	102	150	150	175	175	204
Actual free air delivery	l/s	185	185	166	166	141	175	158
guaranteed according	m3/min	11.1	11.1	10.0	10.0	8.5	10.5	9.5
to ISO1217 ed. 3 1996 annex D	cu.ft/min	392	392	352	352	299	371	335
Max. Sound power level*	dB(A)	99	99	99	99	99	99	99
Max. Sound pressure level at 7m	dB(A)	71	71	71	71	71	71	71
Oil capacity	l	24	24	24	24	24	24	24
Max. ambient temperature	°C	50	50	50	50	50	50	50

Engine

Deutz		BF4M 2012C	TCD 2012	BF4M 2012C	TCD 2012	TCD 2012	TCD 2013	TCD 2013
Number of cylinders		4	4	4	4	4	4	4
Output at rated speed	kW	88	82	88	82	82	104	104
Engine speed (nominal)	rpm	2300	2300	2300	2300	2300	2200	2200
Engine speed (unloaded)	rpm	1700	1700	1700	1700	1700	1700	1700
Capacity oil system	l	8.5	8.5	8.5	8.5	8.5	10.5	10.5
Capacity cooling system	l	14	14	14	14	14	19	19
Capacity of fuel tank	l	175	175	175	175	175	175	175

Unit dimensions

Overall length adjustable/fixed towbar	mm	4356/3941
Overall width	mm	1701
Overall height	mm	1161

Weight

		Without brakes	With brakes
(ready to operate/full fuel tank)		Fixed towbar	Fixed towbar
XA(S) 186, XATS 156,	kg	1705	1800
XAHS 146, XAVS 166	lbs	3759	3969
			Adjustable towbar
			1825
			4024
XAHS 186	kg	N.A.	N.A.
	lbs	N.A.	N.A.
			1883
			4152

Outlets: 1 x 1 1/2" and 3 x 3/4"

XAMS 850 CD7 / XATS 800 CD7 / XAHS 710 CD7 / XAVS 650 CD7 PORTABLE AIR COMPRESSORS



The next big thing is small.

This is the leading manufacturer of portable compressed air machines in the world, and through constant search of innovation can superior products be developed. The combination of performance, reliability, economy and convenience has resulted in an innovative range of single axle high capacity air compressors used in a variety of industries.

The next big thing is small.

Our constant search for innovation and our commitment to your needs has resulted in a superior product providing the utmost in performance, reliability, economy and versatility.

As sandblasting and drilling have become principal cornerstones of their work, priority was not only given to performance and reliability, but also to improvement of mobility and maneuverability. Smaller and lighter means the operator can move to the next work point easier and faster, without the need for supplemental moving equipment.

Total cost of ownership through lower fuel consumption can be realized with the help of FuelXpert™.

Above all, These compressors are built for reliability and easily maintained, providing many years of trouble free performance.



Features

- Small dimensions, light weight
- Single axle mounted
- Low noise output
- FuelXpert™ for optimized fuel

Consumption

- Full shift fuel tank
- Single side service points
- Full length service doors
- Centralized fluid drains
- Electronic multi-function controller

Advantages

- Lowest total cost of ownership
- Easy to transport
- Easy to maneuver at worksite
- Ideal for urban use
- Operator & environmental safe
- Comprehensive monitoring
- Best fuel economy in class

XAMS 850 CD7 / XATS 800 CD7 / XAHS 710 CD7 / XAVS 650 CD7

PORTABLE AIR COMPRESSORS

TECHNICAL DATA

COMPRESSOR

Type		XAMS 850CD7	XATS 800CD7	XAHS 710CD7	XAVS 650CD7
Normal effective working pressure	psig	125	150	175	204
	bar(e)	8.6	10.3	12	14
Actual free air delivery	cfm	848	774	719	657
according to ISO 1217 ed.3 1996 annex D	m ³ /min	24.0	21.9	20.4	18.6
	l/sec	400	365	339	310
Max. Sound power level (LWA)*	dB(A)	100	100	100	100
Max. Sound pressure level at 23 ft	dB(A)	76	76	76	76
Oil capacity	US gal	8	8	8	8
Max. ambient temperature	°F	122	122	122	122

Engine Caterpillar

Type		Caterpillar C 7 acert T3			
Number of cylinders		6	6	6	6
Output at rated speed	HP	253	253	253	253
	kW	186	186	186	186
Swept volume	inch ³	439	439	439	439
Engine speed (nominal)	rpm	2000	2000	2000	2000
Engine speed (unloaded)	rpm	1300	1300	1300	1300
Capacity oil system	US gal	6	6	6	6
Capacity cooling system	US gal	12	12	12	12
Capacity of fuel tank	US gal	106	106	106	106

Unit dimensions (overall)

		Fixed towbar	Adjustable towbar
Length	inch	199.8	199.6/216.9
Width	inch	78.3	78.3
Height	inch	82.4	82.4

Weight (ready-to-operate)

with undercarriage	kg	3400
	lb	4780

*complies with 2000/14/EC, 84/533/ECC AND 85/406/EEC limits