

Atlas Copco Portable Air compressors



XA(T,H)S 70-90 KD7/70-185 DD7

67 - 190 cu.ft/min - 32 - 89 l/s, 1.9 - 5.3 m³/min at 102-175 psig, 7-12 bar(e)



Atlas Copco

Series 7

A complete range designed to achieve the highest customer satisfaction

Comprising models XAS 70 KD7, XAS 90 KD7 with Kubota engine and XAHS 70 DD7, XAS 90 DD7, XAS 110 DD7, XA(T)S 130 DD7, XAS 150 DD7, XAS 185 DD7, Series 7 with Deutz engine are an innovative range of single axle, oil injected rotary screw compressors. Powered by the Kubota D905 and D1105 3-cylinder engine or the Deutz 2011 2- or 3-cylinder engine, Series 7 will provide a reliable source of compressed air to drive pneumatic tools including chipping- and jackhammers, nutrunners, grinders and rammers. High free air delivery applications such as sandblasting are also covered. An optional integral 6.5 or 12 kVA generator can be specified to prove additional power for welding, lighting, heating, site instruments and power tools. A wide range of further options, listed in outline at the end of this document, are also available.

For the Rental Industrie

Atlas Copco designed a small single tool compressor, fitting the needs of the rental industrie. The new XAS 70 KD7 and the XAS 90 KD7 use the proven Series 7 concept and are equipped with a 3-cylinder watercooled Kubota engine. They are developed with the rental customer in mind; small, easy to use and reliable.

Built and tested to ISO 9001 quality assurance standards

Atlas Copco's stringent manufacturing standards follow ISO 9001 quality assurance regulations. All compressors are produced and tested to exacting standards for optimum performance in the most demanding conditions.

Atlas Copco - the world leader in portable air compressors

One in three compressors sold throughout the World is manufactured by Atlas Copco. Produced in the World's largest dedicated compressor manufacturing plant, our advanced research and development and proven products ensure we offer the best solution for all your compressed air needs.

Heavy duty filter

A single, high performance two-stage air intake filter with service indicator is standard. It prevents dust and dirt particles from entering the engine and the compressor.

Centralized controls

All controls are grouped on a single panel, covered by a rigid plastic cover for safety and ease of operation.



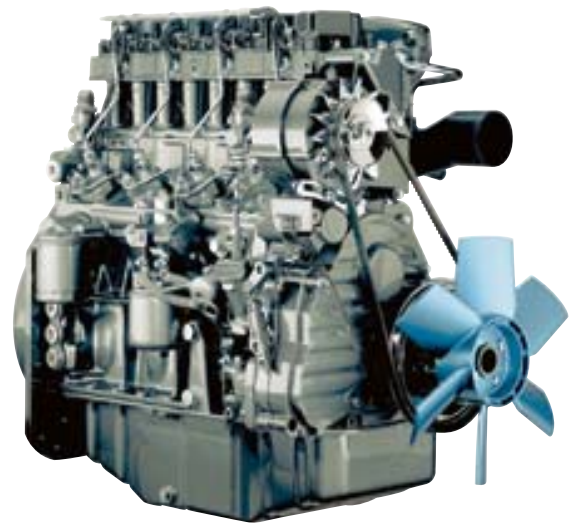
Improved serviceability

The removable side panels, front- and rear baffle and the one piece canopy, supported by two gas struts, provide fast and easy service access.

All bodyparts are made of a new type of powder coated zincor steel for excellent corrosion resistance.



Deutz 2011 engine used on
XA(T,H)S 70 -185 DD7



High efficiency

The combination of a high efficient engine and the Atlas Copco compressor element guarantees high efficiency and reduced wear.

Low operational cost, high fuel autonomy

A stepless and fully automatic regulator varying the engine speed ensures a reduced power and fuel consumption. In combination with the high capacity fuel tank, the Series 7 allows you to work a full shift without refueling.

Designed for the environment

All Series 7 compressors meet current European and US legal requirements relating to the working environment and regulations concerning safety, exhaust emissions and noise. Kubota D905, D1105 and Deutz 2011 engines fully comply with COM III and TIER II exhaust emission regulations. All models comply with the outdoor noise directive 2000/14/EC Stage II.

Atlas Copco has fully implemented its Environmental Management System into the design and manufacture process of the machines, fulfilling the requirements of ISO 14001.



Options



Integral generator

XAS 90 DD7, 130 DD7 and 185 DD7 models can be specified with an integral generator. Developing 6,5 or 12 kVA, the generator can be fitted with an automatic control system that will continuously monitor the demand for power. The system will match the engine speed to the power demand, saving fuel and reducing emissions.



Lubricator

All 102 psi models are available with a 0.26 US gal lubricator. The flow of the lubricating oil can be controlled by a knob at the side of the lubricator. A level indicator is foreseen to prevent running without lubricator oil.

Hose reel

Series 7 models can be supplied with a 66ft capacity hose reel. Manufactured from tough polyethylene, it is supplied with a 3/4" reinforced hose. The hose can be operated directly from the reel.



Options - Matrix

	XAS 70 KD7 XAS 90 KD7	XAHS 70 DD7	XAS 90 DD7 XAS 110 DD7	XAS 90 DD7(G)	XATS 125 DD7	XAS 130 DD7 XAS 150 DD7 XAS 185 DD7	XAS 130 DD7(G) XAS 185 DD7(G)
Safety chain	○	○	○	○	○	○	○
Road signalisation	○	○	○	○	○	○	○
Semi road signalisation	○	○	○	○	○	○	○
24V adaptor	○	○	○	○	○	○	○
Wheel chocks	○	○	○	○	○	○	○
Loose ball coupling	○	○	○	○	○	○	○
Toolbox single	○	○	○	-	○	○	-
Toolbox twin	-	-	-	-	○	○	-
Lubricator 0.26 US gal	○	-	○	○	-	○	○
Aftercooler + Waterseparator	-	○	○	○	○	○	○
PD filter	-	○	○	○	○	○	○
QD filter	-	○	○	○	○	○	○
Reheater	-	○	○	○	○	○	○
Anti-frost device	-	○	○	○	○	○	○
Generator 6 kW 110 V	-	-	-	○	-	-	○
Generator 6.5 kVA 230 V - 3Ph	-	-	-	○	-	-	○
Generator 6.5 kVA 230/400 V	-	-	-	○	-	-	○
Generator 12 kVA 230V - 3Ph	-	-	-	-	-	-	○
Generator 12 kVA 230/400 V	-	-	-	-	-	-	○
Hose reel	○	○	○	○	○	○	○
Safety cartridge	○	○	○	○	○	○	○
Spark arrestor	-	○	○	○	○	○	○
Overspeed valve	-	○	○	○	○	○	○
Complete refinery equipment	-	○	○	○	○	○	○
Non return valve	○	○	○	○	○	○	○
Cold start -4°F	○	○	○	○	○	○	○
Anti-theft device	○	○	○	○	○	○	○
Particle filter	-	○	○	○	○	○	○
Spillage free frame	○	○	○	○	○	○	○
Customer colour frame 1x	○	○	○	○	○	○	○
Customer colour canopy 1x	○	○	○	○	○	○	○
Customer colour canopy 2x	○	○	○	○	○	○	○
Additional literature set	○	○	○	○	○	○	○

○ available / - not available

Technical data

Compressor

Type		XAS 70 KD7	XAS 90 KD7	XAHS 70 DD7	XAS 90 DD7
Normal effective working pressure	psig	102	102	175	102
	bar	7	7	12	7
Actual free air delivery guaranteed according to ISO1217 ed.3 1996 annex D	cu.ft/min	71	88	67	92
	l/s	33	42	32	43
	m ³ /min	2.0	2.5	1.9	2.6
Sound power level: acc. 2000/14 EC	dB(A)	98	98	98	98
Sound pressure level at 23 ft (indicative figures)	dB(A)	70	70	70	70
Oil capacity	l	5.5	5.5	8	8
	US gal	1.4	1.4	2.1	2.1

Engine

Type - model	Kubota		Deutz	
	D905	D1105	D2011L02	D2011L02
Number of cylinders	3	3	2	2
Full load speed	r/min	3600	3000	2400
Output at rated speed	HP	25	26	29
	kW	18.5	19.4	21.6
Capacity of fuel tank	l	32	32	40
	US gal	8.46	8.46	10.57

Generator

			XAS 90 DD7(G) 50Hz Simultaneous	
			110V ¹⁾	230/400V ²⁾
Electric power	1 ph	kW/kVA	6	4
	3 ph	kW/kVA	-	5.2/6.5
Sockets	CEE 1 ph	A	2x16+1x32	-
	CEE 3 ph	A	-	1 x 16
	Schuko 1 ph	A	-	2 x 16

1) complying with British Gas Spec. TIN 12

2) complying with ISO 8528/8 - DIN 6280/10

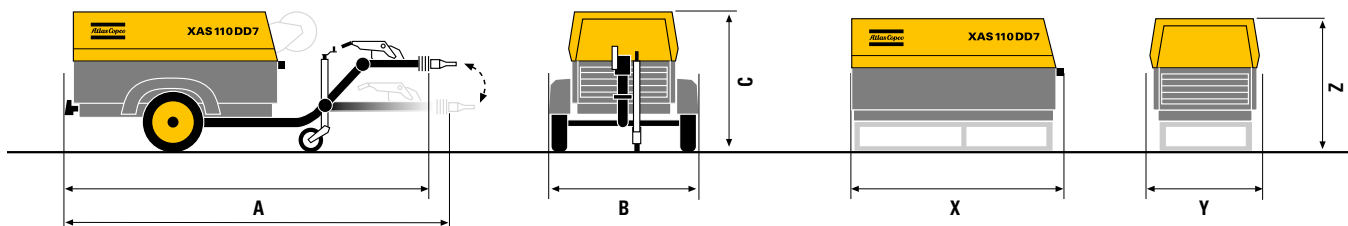
Unit dimensions

towbar :		XAS 70 - 90 KD7				XA(H)S	
		without brakes		with brakes		without brakes	
		fixed	adjustable	fixed	adjustable	fixed	adjustable
Length (A)*	mm	2559	2756/2994	2702	3032/3200	2756	2994/3232
	inch	101	108/117	106	119/125	108	118/127
Width (B)	mm	1305	1305	1305	1305	1330	1330
	inch	51	51	51	51	52	52
Height (C)	mm	1151	1151	1151	1151	1252	1252
	inch	45	45	45	45	49	49
Weight (ready-to-operate) ^{3) 4)}	kg	550	585	570	605	720	725
	lbs	1213	1290	1257	1334	1588	1599
Weight (dry) ^{3) 4)}	kg	530	565	550	585	685	690
	lbs	1169	1246	1213	1290	1510	1521

3) DDG: 110V: +35 kg /77 lbs

4) DDG: 230/400V: +42kg / 93 lbs

* dimensions without towing eye



XAS 90 DD7(G)	XAS 110 DD7	XAS 130 DD7	XAS 130 DD7(G)	XATS 125 DD7	XAS 150 DD7	XAS 185 DD7	XAS 185 DD7(G)
Simultaneous			Simultaneous				Non-Simultaneous
102	102	102	102	150	102	102	102
7	7	7	7	10.3	7	7	7
71	106	130	125	125	152	190	190
33	50	62	58	58	72	89	89
2.0	3.0	3.7	3.5	3.5	4.3	5.3	5.3
98	98	98	98	98	98	98	98
70	70	70	70	70	70	70	70
8	8	8	8	8	8	8	8
2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1

Deutz

D2011L02	D2011L02	D2011L03	D2011L03	D2011L03	D2011L03	D2011L03	D2011L03
2	2	3	3	3	3	3	3
2750	2750	2400	2750	2750	2300	2750	2750
32	32	44	49	49	43	49	49
23.3	23.3	32.5	36	36	31.5	36	36
40	40	80	80	80	80	80	80
10.57	10.57	21.13	21.13	21.13	21.13	21.13	21.13

XAS 130 DD7(G) 50Hz Simultaneous

XAS 185 DD7(G) 50Hz Non-Simultaneous

110V¹⁾	230/400V²⁾	230/400V²⁾	110V¹⁾	230/400V²⁾	230/400V²⁾
6	4	5.5	6	4	5.5
-	5.2/6.5	9.6/12	-	5.2/6.5	9.6/12
2x16+1x32	-	-	2x16+1x32	-	-
-	1 x 16	2 x 16	-	1 x 16	2 x 16
-	2 x 16	1 x 16	-	2 x 16	1 x 16

70 - 90 - 110 DD7

XA(T)S 125 - 130 DD7

XAS 150 - 185 DD7

with brakes		without brakes		with brakes		without brakes		with brakes	
fixed	adjustable	fixed	adjustable	fixed	adjustable	fixed	adjustable	fixed	adjustable
2935	3266/3434	2827	N.A.	2970	3302/3470	2827	N.A.	2970	3302/3470
115	128/135	111	N.A.	117	130/136	111	N.A.	117	130/136
1330	1330	1410	N.A.	1410	1410	1410	N.A.	1410	1410
52	52	55	N.A.	55	55	55	N.A.	55	55
1252	1252	1258	N.A.	1258	1258	1258	N.A.	1258	1258
49	49	49	N.A.	49	49	49	N.A.	49	49
755	770	880	N.A.	915	930	890	N.A.	925	940
1665	1698	1940	N.A.	2018	2051	1963	N.A.	2040	2073
720	735	815	N.A.	850	865	825	N.A.	860	875
1588	1621	1797	N.A.	1874	1907	1819	N.A.	1896	1929

box/support mounted :

		XAS 70 - 90 KD7	XA(H)S 70 - 90 - 110 DD7	XA(T)S 125 - 130 DD7	XAS 150 - 185 DD7
Length (X)	mm	1580	1884	2018	2018
	inch	62	74	79	79
Width (Y)	mm	1018	960	1040	1040
	inch	40	38	41	41
Height (Z)	mm	870	970/1227	970/1230	970/1230
	inch	34	38/48	38/48	38/48
Weight (ready-to-operate)	kg	475	635/685	790/840	800/850
	lbs	1047	1400/1510	1742/1852	1763/1873
Weight (dry)	kg	455	595/645	725/775	735/785
	lbs	1003	1311/1422	1599/1709	1621/1730

Protect your investment... ...and your peace of mind



Atlas Copco carefully monitors the maintenance needs of all its compressors. Service intervals are carefully assessed to ensure optimum performance is maintained and operating costs reduced.

Proper maintenance will ensure your compressor runs as efficiently and economically as possible.

A lack of maintenance can result in expensive down-time with a subsequent loss of production or poor performance. Avoid risks and protect the asset value of your compressor by choosing one of the unique service options provided by Atlas Copco.

Our service options are flexible. Depending on your requirements, we can supply service kits or spare parts for in-house maintenance or factory service and maintenance packages tailored to user demands.

Genuine Parts

Atlas Copco makes no compromise on the quality of replacement parts: only genuine parts provide the longevity and reliability you demand. Selected high quality Atlas Copco compressor and engine oils are also available. These meet the stringent quality specifications required to enable your unit run smoothly, shift after shift.

Service agreements

For complete peace of mind, Atlas Copco has a range of service agreements to suit your needs. Maintenance budgets are clear and simple, with prices fixed in advance. Operational costs come down and efficiency goes up. You choose the service options and the time period to suit your needs.

Commitment

Atlas Copco employs two thousand factory trained service technicians in over 150 countries worldwide. Should a problem ever occur, access to their expertise is only a telephone call away.

With years of experience and ongoing investment, we are the only major compressor manufacturer providing a full 3 year factory supported warranty.



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Atlas Copco Portable Air compressors



XA(T,H,V)S 340-375 DD6

XAS 340 - 375 range has 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.



Atlas Copco

Heavy duty performer.

The XA(T,H,V)S 340-375 DD6 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. Atlas Copco's 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.

Technical data

Compressor

Type		XAS	XAS	XATS	XATS	XAHS	XAHS	XAVS
		375 DD6 C2	375 DD6 C3	350 DD6 C2	350 DD6 C3	350 DD6 C3	375 DD6 C3	340 DD6 C3
Normal effective working pressure	psig	102	102	150	150	175	175	204
	bar(e)	7	7	10.3	10.3	12	12	14
Actual free air delivery	cu.ft/min	392	392	352	352	320	371	335
	l/s	185	185	166	166	151	175	158
guaranteed according to ISO1217 ed. 3 1996 annex D	m ³ /min	11.1	11.1	10.0	10.0	9.1	10.5	9.5
Max. Sound power level*	dB(A)	99	99	99	99	99	99	99
Max. Sound pressure level at 23 ft	dB(A)	71	71	71	71	71	71	71
Oil capacity	US gal	6	6	6	6	6	6	6
Max. ambient temperature	°F	122	122	122	122	122	113	113

Engine

Deutz		BF4M	TCD	BF4M	TCD	TCD	TCD	TCD
		2012C	2012	2012C	2012	2012	2013	2013
Number of cylinders		4	4	4	4	4	4	4
Output at rated speed	HP	120	111	120	111	111	141	141
	kW	88	82	88	82	82	104	104
Engine speed (nominal)	rpm	2300	2300	2300	2300	2300	2100	2100
Engine speed (unloaded)	rpm	1700	1700	1700	1700	1700	1700	1700
Capacity oil system	US gal	2	2	2	2	2	3	3
Capacity cooling system	US gal	4	4	4	4	4	5	5
Capacity of fuel tank	US gal	46	46	46	46	46	46	46

Unit dimensions

Overall length adjustable/fixed towbar	inch	171.5/155.2
Overall width	inch	67
Overall height	inch	63

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

Weight

(ready to operate/full fuel tank)		Without brakes		With brakes	
		Fixed towbar	Fixed towbar	Fixed towbar	Adjustable towbar
XA(S) 375 DD6, XATS 350 DD6,	kg	1705	1800		1825
XAHS 350 DD6	lbs	3759	3969		4024
XAHS 375 DD6, XAVS 340 DD6	kg	N.A.	N.A.		1883
	lbs	N.A.	N.A.		4152

Outlets: 1 x 1½" and 3 x ¾"



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Features

- Ready to operate with a full range of options
- Use in all weather conditions (-13°F to +122°F)
- Small overall dimensions & light weight
- Extended service and maintenance intervals
- COM 2 or COM 3 compliant engines available
- Cosmos™

Advantages

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

Atlas Copco Portable Air compressors

Save, More, Today



NEW!

XAMS 1150 CD7
XATS 1050 CD7
XAHS 950 CD7
XAVS 900 CD7

Atlas Copco is a leading worldwide manufacturer of portable compressed air machines. One of our core beliefs is continuous improvement. We have taken a classic large compressor and upgraded it to give the best value for a new world order.

The demand for higher energy efficiency combined with higher air volume has been the driver of the new range.

With the new C190 airend, you get 5% more airflow and 5% better specific fuel consumption compared to the previous models.

This means greater savings – welcome, especially today.



Atlas Copco

Technical data

Type		XAMS 1150 CD7	XATS 1050 CD7	XAHS 950 CD7	XAVS 900 CD7
Nominal pressure	psi	125	150	175	200
	bar	8.6	10.3	12	14
Actual free air delivery*	cfm	1102	1020	938	860
	l/s	520	482	443	406
	m ³ /min	31.2	28.9	26.5	24.3
Compressor oil system capacity	US Gal.			21	
	l			80	
Fueltank content (standard)	US Gal.			210	
	l			796	
Air outlet valve	inch / mm			1 x 2,5" / 1 x 63,5	

Engine - Caterpillar

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

Unit dimensions (overall) L x W x H

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

Weight (wet excl. fuel)

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

Sound level

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

* according to ISO1217 ed.3 1996 annex D

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

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

Atlas Copco's 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



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