

Atlas Copco Portable air compressors



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

70-185 cfm, 10-175 psig



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 125/130 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 Industry

Atlas Copco designed a small single tool compressor, fitting the needs of the rental industry. The new XAS 70 KD7 and the XAS 90 KD7 use the proven Series 7 concept and are equipped with a 3-cylinder water-cooled 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.

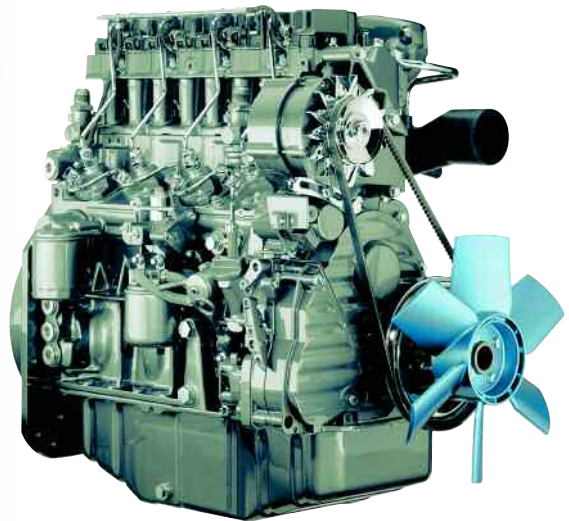


Improved serviceability

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 body parts 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 efficiency

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.

Options

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 II and EPA 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.



Integral generator

XAS 90, 130 and 185 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 (7 bar) models are available with a .26 gal. (1 liter) lubricator. The flow of the lubricating oil can be controlled by a knob at the side of the lubricator. A level indicator is to prevent running without oil.



Heavy-duty filter

All models are fitted with a single, high performance, two-stage air intake filter with service indicator as standard. Proven to prevent dust and dirt entering the engine and the compressor, the filter combines a long service interval with high efficiency.



Options

	XAS70 KD7 XAS 90 KD7	XAHS 70 DD7	XAS 90 DD7 XAS 110 DD7	XAS 90 DDG7	XATS 125 DD7	XAS 130 DD7 XAS 150 DD7 XAS 185 DD7	XATS 130 DDG7 XAS 185 DDG7
Safety chain	❖	❖	❖	❖	❖	❖	❖
Road signalization	❖	❖	❖	❖	❖	❖	❖
Semi road signalization	❖	❖	❖	❖	❖	❖	❖
24V adaptor	❖	❖	❖	❖	❖	❖	❖
Wheel chocks	❖	❖	❖	❖	❖	❖	❖
Loose ball coupling	❖	❖	❖	❖	❖	❖	❖
Toolbox single	❖	❖	❖	▼	❖	❖	▼
Toolbox twin	▼	▼	▼	▼	❖	❖	▼
Lubricator 1 liter	❖	▼	❖	❖	▼	❖	❖
Aftercooler + Water separator	▼	❖	❖	❖	❖	❖	❖
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 (-20°C)	❖	❖	❖	❖	❖	❖	❖
Anti-theft device	❖	❖	❖	❖	❖	❖	❖
Particle filter	▼	❖	❖	❖	❖	❖	❖
Spillage free frame	❖	❖	❖	❖	❖	❖	❖
Customer color frame 1x	❖	❖	❖	❖	❖	❖	❖
Customer color canopy 1x	❖	❖	❖	❖	❖	❖	❖
Customer color canopy 2x	❖	❖	❖	❖	❖	❖	❖
Additional literature set	❖	❖	❖	❖	❖	❖	❖

❖ available / ▼ not available

Technical data

Compressor Type		XAS 70 KD7	XAS 90 KD7	XAHS 70 DD7	XAS 90 DD7 Simultaneous
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 7m (indicative figures)	dB(A)	70	70	70	70
Oil capacity	gal.	1.4	1.4	2.1	2.1
	L	5.5	5.5	8	8

*according to ISO1217 ed.3 1996 annex D

Engine		Kubota	Deutz
Type - model		D905	D1105 F2M2011
Number of cylinders		3	2
Full load speed	r/min	3600	2400
Output at rated speed	BHP	25	29
	kW	18.5	21.6
Capacity of fuel tank	gal.	8.46	10.57
	L	32	40

Generator		XAS 47 DDG 50Hz Simultaneous	
		110V1)	230/400V2)
Electric power	1 ph	kW/kVA	6
	3 ph	kW/kVA	-
Sockets	CEE 1 ph	A	2x16+1x32
	CEE 3 ph	A	-
	Schuko 1 ph	A	-

1) complying with British Gas Spec. TIN 12

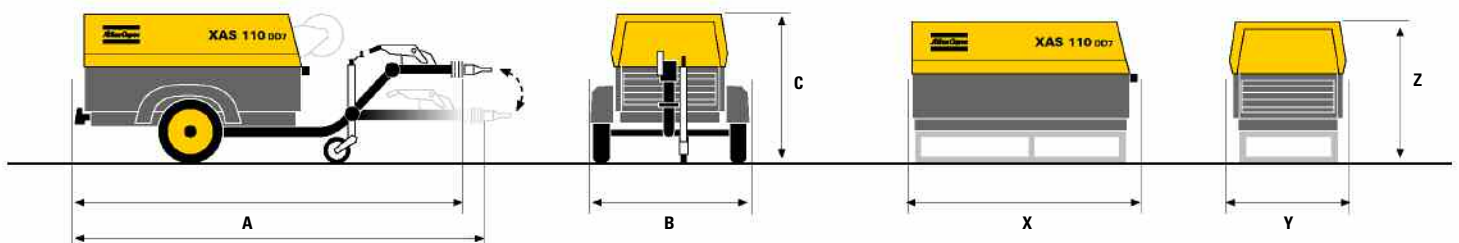
2) complying with ISO 8528/8 - DIN 6280/10

Unit dimensions		XAS 70 - 90 KD7				XA(H)S 70 -	
		without brakes		with brakes		without brakes	
towbar :		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 DDG7	XAS 110 DD7	XAS 130 DD7	XAS 130 DDG7	XATS 125 DD7	XAS 150 DD7	XAS 185 DD7	XAS 185 DDG7
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
2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
8	8	8	8	8	8	8	8

Non-Simultaneous

Deutz							
F2M2011	F2M2011	F3M2011	F3M2011	F3M2011	F3M2011	F3M2011	F3M2011
2	2	3	3	3	3	3	3
2750	2750	2400	2750	2750	2300	2750	2750
31	31	44	48	48	42	48	48
23.3	23.3	32.5	36	36	31.5	36	36
10.57	10.57	21.13	21.13	21.13	21.13	21.13	21.13
40	40	80	80	80	80	80	80

XAS 67 DDG 50Hz Simultaneous			XAS 97 DDG 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

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 downtime 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 are reduced and efficiency is increased. 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.

Danger: Compressed air should never be supplied as breathing air unless air is properly purified for breathing. Atlas Copco assumes no responsibility or liability related to the purchaser's/user's breathing air system.

The information contained herein is general in nature and is not intended for specific construction, installation or application purposes.



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