Atlas Copco Portable Air compressors

XA(T,H)S 37-97

32 - 89 l/s, 1.9 - 5.3 m^3/min, 67 - 190 cu.ft/min at 7-12 bar(e), 102-175 psig

Atlas Copco

Series 7

A complete range designed to achieve the highest customer satisfaction

Comprising models XAS 37, XAS 47 with Kubota engine and XAHS 37, XAS 47, XAS 57, XA(T)S 67, XAS 77, XAS 97, 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 37 Kd and the XAS 47 Kd 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.

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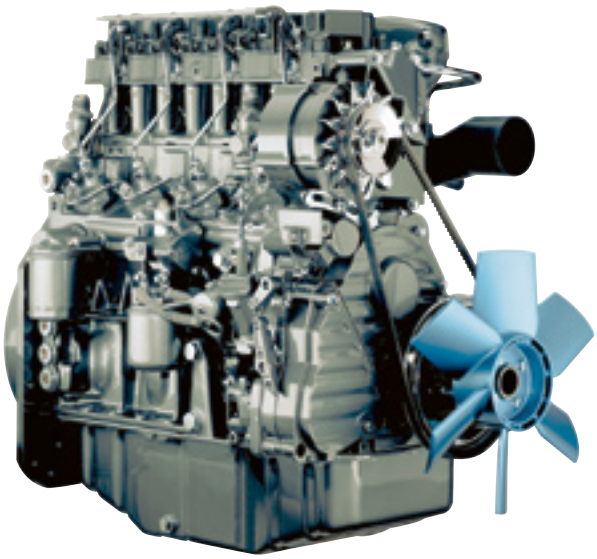
Improved serviceability
The removable side panels, front- and rear baffle and the one piece canopy, supported by two gas struts, provide fast and easy service access.
All bodyparts are made of a new type of powder coated zincor steel for excellent corrosion resistance.

Deutz 2011 engine used on XA(T,H)S 37-97 Dd



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.

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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 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.

Integral generator

XAS 47, 67 and 97 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 7 bar models are available with a 1 litre 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.

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Hose reel

Series 7 models can be supplied with a 20m 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 37 Kd XAS 47 Kd	XAHS 37 Dd	XAS 47 Dd XAS 57 Dd	XAS 47 DdG	XATS 67 Dd	XAS 67 Dd XAS 77 Dd XAS 97 Dd	XAS 67 DdG XAS 97 DdG
Safety chain	○	○	○	○	○	○	○
Road signalisation	○	○	○	○	○	○	○
Semi road signalisation	○	○	○	○	○	○	○
24V adaptor	○	○	○	○	○	○	○
Wheel chocks	○	○	○	○	○	○	○
Loose ball coupling	○	○	○	○	○	○	○
Toolbox single	○	○	○	–	○	○	–
Toolbox twin	–	–	–	–	○	○	–
Lubricator 1 litre	○	–	○	○	–	○	○
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 -20°C	○	○	○	○	○	○	○
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

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Technical data

Compressor

Type		XAS 37 Kd	XAS 47 Kd	XAHS 37 Dd	XAS 47 Dd
Normal effective working pressure	bar	7	7	12	7
	psig	102	102	175	102
Actual free air delivery guaranteed	l/s	33	42	32	43
according to ISO1217	m³/min	2.0	2.5	1.9	2.6
ed.3 1996 annex D	cu.ft/min	71	88	67	92
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	l	5.5	5.5	8	8
	US gal	1.4	1.4	2.1	2.1

Engine

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

Generator

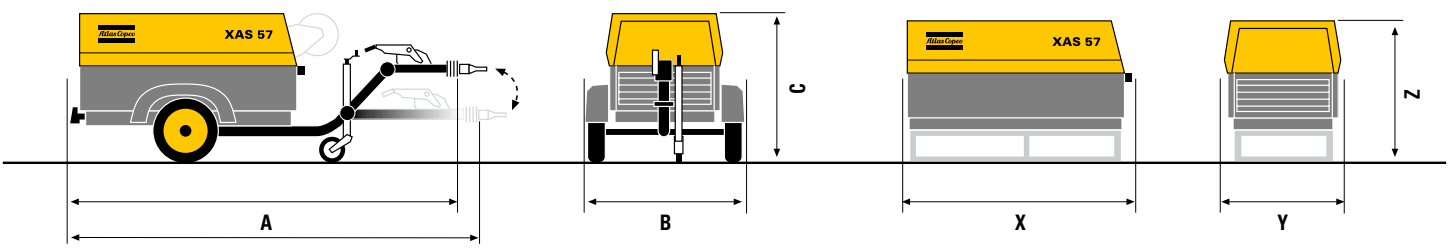
			XAS 47 DdG 50Hz Simultaneous	
			110V[1)]	230/400V[2)]
Electric power	1 ph	kW/kVA	6	4
	3 ph	kW/kVA	-	5.2/6.5
Sockets	CEE 1 ph	A	2x16+1x32	–
	CEE 3 ph	A	–	1 x 16
	Schuko 1 ph	A	–	2 x 16

1) complying with British Gas Spec. TIN 12
2) complying with ISO 8528/8 - DIN 6280/10

Unit dimensions

		XAS 37 - 47 Kd				XA(H)S	
		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



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XAS 47 DdG	XAS 57 Dd	XAS 67 Dd	XAS 67 DdG	XATS 67 Dd	XAS 77 Dd	XAS 97 Dd	XAS 97 DdG
Simultaneous			Simultaneous				Non-Simultaneous
7	7	7	7	10.3	7	7	7
102	102	102	102	150	102	102	102
33	50	62	58	58	72	89	89
2.0	3.0	3.7	3.5	3.5	4.3	5.3	5.3
71	106	130	125	125	152	190	190
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
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 67 DdG 50Hz Simultaneous			XAS 97 DdG 50Hz Non-Simultaneous		
110V[1)]	230/400V[2)]	230/400V[2)]	110V[1)]	230/400V[2)]	230/400V[2)]
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

37 - 47 - 57 Dd		XA(T)S 67 Dd				XAS 77 - 97 Dd			
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 37 - 47 Kd	XA(H)S 37 - 47 - 57 Dd	XA(T)S 67 Dd	XAS 77 - 97 Dd
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	870/1140	970/1227	970/1230	970/1230
	inch	34/45	38/48	38/48	38/48
Weight (ready-to-operate)	kg	420/465	635/685	790/840	800/850
	lbs	926/1025	1400/1510	1742/1852	1763/1873
Weight (dry)	kg	405/450	595/645	725/775	735/785
	lbs	893/992	1311/1422	1599/1709	1621/1730

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