

# Atlas Copco Portable Air compressors

Protecting your investment? HardHat™



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

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



reddot design award  
winner 2006



*Atlas Copco*

# HardHat™ Built for tough times

**Around the world, construction and demolition site personnel wear a hard hat for protection. Now another important member of the team comes with its own safety kit, the latest HardHat™ compressor range from Atlas Copco.**

**Protected by an impact resistant canopy, the nine single-axle HardHat™ models combine great looks and class leading performance with the best damage and corrosion resistance in the business. It is not just protection that is on offer. The one-piece HardHat™ canopy lifts to provide unrivalled service access, a key to reducing costs and minimizing downtime. Maximum protection, great looks and easy service access. Typical forward thinking from Atlas Copco.**

## **The range**

The HardHat™ range is built around a single axle Series 7 oil injected rotary screw compressor module. The XAS 70 KD7, XAS 90 KD7 are powered by a choice of Kubota D905 or D1105 three-cylinder engines. The XAHS 70 DD7, XAS 90 DD7, XAS 110 DD7, XA(T)S 130 DD7, XAS 150 DD7 and XAS 185 DD7 are Deutz 2011 two- or three-cylinder engine powered. All models will provide a reliable source of compressed air to drive pneumatic tools. These can include chipping and jackhammers, nut runners, grinders and rammers. High free air delivery applications, such as sandblasting, are also covered.

As with all Atlas Copco compressors, a wide range of options is available.

## **Cost of Ownership**

A HardHat™ canopy is tough, really tough. It is designed to be highly impact resistant so it can shrug off dents and fractures. In a tough working environment, this really pays off. Where even the best-protected steel canopy compressors are going to get bashed and battered, a HardHat™ will keep its good looks longer. No dents, no scratches and corrosion. No time and money consuming repair and repaint jobs. When lower ownership costs count, HardHat™ delivers.

## **Built and tested to ISO 9001 quality assurance standards**

All Atlas Copco equipment is manufactured in accordance with ISO 9001 quality assurance regulations. Every compressor is produced and tested to exacting standards. For optimum performance, in the most demanding conditions, you can count on Atlas Copco.

## **Atlas Copco : the world leader in portable air compressors**

Atlas Copco manufactures one in three compressors sold throughout the World. 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.

## **Centralized controls**

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



### 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.

### Improved serviceability

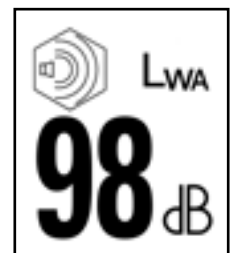
The side panels, rear baffle and one-piece canopy are made from durable polyethylene. The canopy is raised via self-supporting twin gas struts. The side panels and baffles are simple to remove. Excellent service access reduces downtime and cuts ownership costs.

### Low operational cost, high fuel autonomy

Atlas Copco has unrivalled experience in optimizing portable compressor efficiency. All models are fitted with a stepless, fully automatic regulator. This constantly varies the engine speed according to air demand for reduced power and fuel consumption. Looking for a compressor to run long shifts with no need to refuel? Choose a HardHat™.

### High efficiency and longevity

Matching an efficient engine and precision-engineered Atlas Copco compressor element guarantees high efficiency, reduced wear and an extended service life.



### Designed for the environment

All HardHat™ 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 manufacturing process of the machines, fulfilling the requirements of ISO 14001.



# Options

## Aftercooler

All models can be specified with a compressed air aftercooler and water separator. For maximum efficiency, the unit is installed on the cool side of the compressor.

For additional liquid and particle removal, the aftercooler can also be specified with additional PD and QD filters.



## Lubricator

All 102 psi models are available with a 0.26 US gal lubricator.

The flow of oil is easily adjusted to suit the application, an integral indicator clearly showing the level of lubricant remaining.

## Customer colors

Pigment is added to the polyethylene used to form the HardHat™ canopy during manufacture. This process ensures the canopy color cannot discolor and scratches are less easy to see. Customers wishing to select an alternative finish to Atlas Copco yellow can choose from a wide range of colors. From pitch black to the brightest white, there is a color to suit most corporate schemes.



	XAS 70 KD7 XAS 90 KD7	XAHS 70 DD7	XAS 90 DD7 XAS 110 DD7	XATS 125 DD7	XAS 130 DD7 XAS 150 DD7 XAS 185 DD7
Safety chain	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Road signalisation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Semi road signalisation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
24V adaptor	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Wheel chocks	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Loose ball coupling	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Toolbox single	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Toolbox twin	-	-	-	<input type="radio"/>	<input type="radio"/>
Lubricator 0.26 US gal	<input type="radio"/>	-	<input type="radio"/>	-	<input type="radio"/>
Aftercooler + Waterseparator	-	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
PD filter	-	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
QD filter	-	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Anti-frost device	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Safety cartridge	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Non return valve	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Cold start -4°F	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Anti-theft device	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Spillage free frame	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Customer color side panels and baffles	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Customer color canopy	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Additional literature set	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

available / - not available

# Technical data

## Compressor

Type		XAS 70 KD7	XAS 90 KD7	XAHS 70 DD7	XAS 90 DD7	XAS 110 DD7	XAS 125 DD7	XATS 130 DD7	XAS 150 DD7	XAS 185 DD7
Normal effective working pressure	psig	102	102	175	102	102	102	150	102	102
	bar	7	7	12	7	7	7	10.3	7	7
Actual free air delivery guaranteed according to ISO1217 ed.3 1996 annex D	cu.ft/min	71	88	67	92	106	130	125	152	190
	l/s	33	42	32	43	50	62	58	72	89
	m <sup>3</sup> /min	2.0	2.5	1.9	2.6	3.0	3.7	3.5	4.3	5.3
Sound power level: acc. 2000/14/EC	dB(A)	98	98	98	98	98	98	98	98	98
Sound pressure level at 23 ft (indicative figures)	dB(A)	70	70	70	70	70	70	70	70	70
Oil capacity	l	5.5	5.5	8	8	8	8	8	8	8
	US gal	1.4	1.4	2.1	2.1	2.1	2.1	2.1	2.1	2.1

## Engine

		Kubota	Kubota	Deutz	Deutz	Deutz	Deutz	Deutz	Deutz	Deutz
Type - model		D905	D1105	D2011L02	D2011L02	D2011L02	D2011L03	D2011L03	D2011L03	D2011L03
Number of cylinders		3	3	2	2	2	3	3	3	3
Full load speed	r/min	3600	3000	2400	2400	2750	2400	2750	2300	2750
Output at rated speed	HP	25	26	29	29	32	44	49	43	49
	kW	18.5	19.4	21.6	21.6	23.3	32.5	36	31.5	36
Capacity of fuel tank	l	32	32	40	40	40	80	80	80	80
	US gal	8.46	8.46	10.57	10.57	10.57	21.13	21.13	21.13	21.13

# Dimensions

## Unit dimensions

### XAS 70 - 90 KD7\*

### XA(H)S 70 - 90 - 110 DD7

towbar :		without brakes		with brakes		without brakes		with brakes	
		fixed	adjustable	fixed	adjustable	fixed	adjustable	fixed	adjustable
Length**	mm	2603	2800/3038	2746	3076/3246	2815	3053/3291	2994	3326/3494
	inch	102	110/119	108	121/127	111	120/129	118	131/137
Width	mm	1328	1328	1328	1328	1341	1341	1341	1417
	inch	52	52	52	52	53	53	53	53
Height	mm	1280	1280	1280	1280	1342	1342	1342	1342
	inch	50	50	50	50	53	53	53	53
Weight (ready-to-operate)	kg	528	540	559	573	696	703	723	738
	lbs	1164	1191	1233	1264	1535	1550	1594	1627
Weight (dry)	kg	505	517	536	550	663	670	689	704
	lbs	1114	1140	1182	1213	1462	1477	1519	1552

\* XAS 90 KD7 = XAS 70 KD7 + 5 kg (11 lbs)

## Unit dimensions

### XA(T)S 125 - 130 DD7

### XAS 150 - 185 DD7

towbar :		without brakes		with brakes		without brakes		with brakes	
		fixed	adjustable	fixed	adjustable	fixed	adjustable	fixed	adjustable
Length**	mm	2915	N.A.	2993	3324/3493	2915	N.A.	2993	3324/3493
	inch	114	N.A.	118	131/137	114	N.A.	118	131/137
Width	mm	1417	N.A.	1417	1417	1417	N.A.	1417	1417
	inch	56	N.A.	56	56	56	N.A.	56	56
Height	mm	1360	N.A.	1360	1360	1360	N.A.	1360	1360
	inch	53	N.A.	53	53	53	N.A.	53	53
Weight (ready-to-operate)	kg	862	N.A.	888	903	873	N.A.	899	914
	lbs	1901	N.A.	1958	1991	1925	N.A.	1982	2015
Weight (dry)	kg	790	N.A.	825	840	810	N.A.	836	851
	lbs	1762	N.A.	1819	1852	1786	N.A.	1843	1877

\*\* Dimensions without towing eye

# 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.