

XAMS 287 - XAMS 600 CD7

Engine CAT C6.6

**Parts List for Portable Compressors
English**

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SAFETY PRECAUTIONS FOR PORTABLE COMPRESSOR

To be read attentively and acted accordingly before towing, lifting, operating, performing maintenance or repairing the compressor

0.1 INTRODUCTION

The policy of Atlas Copco is to provide the users of their equipment with safe, reliable and efficient products. Factors taken into account are among others:

- the intended and predictable future use of the products, and the environments in which they are expected to operate,
- applicable rules, codes and regulations,
- the expected useful product life, assuming proper service and maintenance,
- providing the manual with up-to-date information.

Before handling any product, take time to read the relevant instruction manual. Besides giving detailed operating instructions, it also gives specific information about safety, preventive maintenance, etc. Keep the manual always at the unit location, easy accessible to the operating personnel.

See also the safety precautions of the engine and possible other equipment, which are separately sent along or are mentioned on the equipment or parts of the unit.

These safety precautions are general and some statements will therefore not always apply to a particular unit.

Only people that have the right skills should be allowed to operate, adjust, perform maintenance or repair on Atlas Copco equipment. It is the responsibility of management to appoint operators with the appropriate training and skill for each category of job.

Skill level 1: Operator

An operator is trained in all aspects of operating the unit with the push-buttons, and is trained to know the safety aspects.

Skill level 2: Mechanical technician

A mechanical technician is trained to operate the unit the same as the operator. In addition, the mechanical technician is also trained to perform maintenance and repair, as described in the instruction manual, and is allowed to change settings of the control and safety system. A mechanical technician does not work on live electrical components.

Skill level 3: Electrical technician

An electrical technician is trained and has the same qualifications as both the operator and the mechanical technician. In addition, the electrical technician may carry out electrical repairs within the various enclosures of the unit. This includes work on live electrical components.

Skill level 4: Specialist from the manufacturer

This is a skilled specialist sent by the manufacturer or its agent to perform complex repairs or modifications to the equipment.

In general it is recommended that not more than two people operate the unit, more operators could lead to unsafe operating conditions. Take necessary steps to keep unauthorized persons away from the unit and

eliminate all possible sources of danger at the unit.

When handling, operating, overhauling and/or performing maintenance or repair on Atlas Copco equipment, the mechanics are expected to use safe engineering practices and to observe all relevant local safety requirements and ordinances. The following list is a reminder of special safety directives and precautions mainly applicable to Atlas Copco equipment.

These safety precautions apply to machinery processing or consuming air. Processing of any other gas requires additional safety precautions typical to the application and are not included herein.

Neglecting the safety precautions may endanger people as well as environment and machinery:

- endanger people due to electrical, mechanical or chemical influences,
- endanger the environment due to leakage of oil, solvents or other substances,
- endanger the machinery due to function failures.

All responsibility for any damage or injury resulting from neglecting these precautions or by non-observance of ordinary caution and due care required in handling, operating, maintenance or repair, also if not expressly mentioned in this instruction manual, is disclaimed by Atlas Copco.

The manufacturer does not accept any liability for any damage arising from the use of non-original parts and for modifications, additions or conversions made without the manufacturer's approval in writing.

If any statement in this manual does not comply with local legislation, the stricter of the two shall be applied.

Statements in these safety precautions should not be interpreted as suggestions, recommendations or inducements that it should be used in violation of any applicable laws or regulations.

0.2 GENERAL SAFETY PRECAUTIONS

- 1 The owner is responsible for maintaining the unit in a safe operating condition. Unit parts and accessories must be replaced if missing or unsuitable for safe operation.
- 2 The supervisor, or the responsible person, shall at all times make sure that all instructions regarding machinery and equipment operation and maintenance are strictly followed and that the machines with all accessories and safety devices, as well as the consuming devices, are in good repair, free of abnormal wear or abuse, and are not tampered with.
- 3 Whenever there is an indication or any suspicion that an internal part of a machine is overheated, the machine shall be stopped but no inspection covers shall be opened before sufficient cooling time has elapsed; this to avoid the risk of spontaneous ignition of oil vapour

when air is admitted.

- 4 Normal ratings (pressures, temperatures, speeds, etc.) shall be durably marked.
- 5 Operate the unit only for the intended purpose and within its rated limits (pressure, temperature, speeds, etc.).
- 6 The machinery and equipment shall be kept clean, i.e. as free as possible from oil, dust or other deposits.
- 7 To prevent an increase in working temperature, inspect and clean heat transfer surfaces (cooler fins, intercoolers, water jackets, etc.) regularly. See the maintenance schedule.
- 8 All regulating and safety devices shall be maintained with due care to ensure that they function properly. They may not be put out of action.
- 9 Care shall be taken to avoid damage to safety valves and other pressure-relief devices, especially to avoid plugging by paint, oil coke or dirt accumulation, which could interfere with the functioning of the device.
- 10 Pressure and temperature gauges shall be checked regularly with regard to their accuracy. They shall be replaced whenever outside acceptable tolerances.
- 11 Safety devices shall be tested as described in the maintenance schedule of the instruction manual to determine that they are in good operating condition.
- 12 Mind the markings and information labels on the unit.
- 13 In the event the safety labels are damaged or destroyed, they must be replaced to ensure operator safety.
- 14 Keep the work area neat. Lack of order will increase the risk of accidents.
- 15 When working on the unit, wear safety clothing. Depending on the kind of activities these are: safety glasses, ear protection, safety helmet (including visor), safety gloves, protective clothing, safety shoes. Do not wear the hair long and loose (protect long hair with a hairnet), or wear loose clothing or jewelry.
- 16 Take precautions against fire. Handle fuel, oil and anti-freeze with care because they are inflammable substances. Do not smoke or approach with naked flame when handling such substances. Keep a fire-extinguisher in the vicinity.

SERVICE PAK

REF	PART NUMBER	DESIGNATION	QTY
-	2912 4481 05	SERVICE PAK 500HR	
•A	-	ENGINE OF	1
•B	-	AC WS/FF	1
•C	-	ENGINE FF	1
•G	-	AC PRIM.FF	1
•J	-	DRAIN SEAL ENGINE OIL	1
		(For details see page 176)	
-	2912 4485 06	SERVICE PAK 1000HR LP - YEARLY	
•A	-	ENGINE OF	1
•B	-	AC WS/FF	1
•C	-	ENGINE FF	1
•D	-	COMP. OF	2
•E	-	AF	2
•F	-	AF SAFETY	2
•G	-	AC PRIM.FF	1
•H	-	DRAIN SEAL COMPRESSOR OIL	1
		(For details see page 176)	
•J	-	DRAIN SEAL ENGINE OIL	1
		(For details see page 176)	
•K	-	VESSEL DRAIN	1
		(For details see page 176)	
•L	-	VESSEL FILLER	1
		(For details see page 176)	
•M	-	FILTER	1
•N	-	VALVE	1

COMPRESSOR OIL - PAROIL S 68

REF	PART NUMBER	DESIGNATION	QTY
		<i>PAROIL S 68</i>	
A	1604 7136 00	OIL CAN 20 L	1
B	1604 7137 00	STEEL DRUM 210 L	1

SERVICE KIT - OIL SEPARATOR

REF	PART NUMBER	DESIGNATION	QTY
-	2911 0112 00	SERVICE KIT OIL SEPARATOR	
•10	1604 1328 80	OIL SEP ELEMENT ASSY	1
•40	0663 2109 79	O-RING	1

VALVES ON ELEMENT - STANDARD

REF	PART NUMBER	DESIGNATION	QTY
20	2252 5502 89	UNLOADER ASS'Y (For details see page 130)	1
25	-	GASKET (Part of service kit, see page 34)	1
30	0147 1363 03	HEX. HEAD SCREW	4
40	1622 0795 00	VALVE HOUSING	1
45	1622 0977 00	GASKET	1
50	1622 9639 00	CHECK VALVE	1
55	1622 0796 00	SPRING	1
60	0211 1417 00	HEX SOCK. SCREW	4
65	0686 3716 01	HEXAGON PLUG	1
70	0661 1020 00	SEALING WASHER	1
75	1613 2356 00	VALVE	1
80	1622 1041 00	PISTON	1
85	0686 3716 07	HEXAGON PLUG	1
90	0661 1049 00	SEALING WASHER	1
95	1613 2357 00	COMPR.SPRING	1

ENGINE AND ACCESSORIES - STANDARD

REF	PART NUMBER	DESIGNATION	QTY
20	1604 7975 00	C6.6 - 129KW	1
30	1626 0090 00	MUFFLER	1
35	0147 1328 03	HEX. HEAD SCREW	4
40	1626 0022 01	EXHAUST	1
45	1615 9038 00	V-CLAMP	1
50	1626 0016 03	PIPE EXHAUST	1
52	1626 1406 00	INSULATION THERMAL	1
55	1615 9038 00	V-CLAMP	1
100	1626 1976 00	PIPE EXHAUST	1
105	0346 3001 16	PIPE CLAMP	1
110	1626 0771 01	BRACKET	1
115	0347 6115 00	HOSE CLAMP	1
120	0147 1322 03	HEX. HEAD SCREW	1

SAFETY AND CONTROL - STANDARD

REF	PART NUMBER	DESIGNATION	QTY
20	1900 1005 31	CONTROL MODULE (For details see page 128)	1
25	0160 0996 96	SCREW	4
30	0160 0996 97	SCREW	1
35	0301 2321 00	PLAIN WASHER	1
40	0291 1108 00	LOCKNUT	1
90	1089 9579 74	PRESSURE SENSOR	1
95	1089 9579 80	PRESSURE SENSOR	1
100	1089 0574 70	TEMP.SENSOR	1
105	1089 0620 21	SOLENOID VALVE	1
120	1089 9422 07	EMERGENCY STOP	1
125	1089 0362 28	PROTECTIVE COLLAR	1
130	0663 6127 00	O-RING	1

ENGINE AIR INLET PIPE - FOR COMPRESSOR WITHOUT INLET SHUTDOWN VALVE - STANDARD

REF	PART NUMBER	DESIGNATION	QTY
20	1626 0013 00	PIPE	1

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BAFFLES - FOR COMPRESSOR WITH NOISE REGULATION NOT CE - STANDARD

REF	PART NUMBER	DESIGNATION	QTY
10	1626 1375 83	BAFFLE (For details see page 124)	2
20	1619 2766 00	HEX. HEAD SCREW	8
30	1626 1375 84	BAFFLE (For details see page 126)	2
40	1619 2766 00	HEX. HEAD SCREW	8

MARKINGS - L/S - STANDARD

REF	PART NUMBER	DESIGNATION	QTY
20	1626 0900 42	DECAL	2

ROOF - STANDARD

REF	PART NUMBER	DESIGNATION	QTY
-	1604 9521 80	ROOF	(From page 62)
•20	1604 9521 03	ROOF	1
•25	1604 9611 02	ROOF	1
•30	1615 5664 00	HEX. HEAD SCREW	11
•35	1604 9612 02	PLATE	1
•40	1615 5664 00	HEX. HEAD SCREW	3
•45	1604 9613 02	PLATE	1
•50	1615 5664 00	HEX. HEAD SCREW	3
•55	1619 2665 00	SEAL	AR
•60	1619 2665 00	SEAL	AR
•65	1619 2665 00	SEAL	AR
•70	1619 2665 00	SEAL	AR
•75	1604 1746 01	COVER	1
•80	0129 3174 01	BLIND RIVET	3
•85	0301 2318 00	PLAIN WASHER	3
•90	1615 5692 00	LOCK	1

OIL SEPARATOR - EC - STANDARD

REF	PART NUMBER	DESIGNATION	QTY
-	1626 0319 84	SEPARATOR OIL (From page 82)	
•20	1604 2170 81	REGUL VALVE ASSY (For details see page 132)	1
•25	0661 1049 00	SEALING WASHER	1
•30	1604 1399 01	CONNECTION	1
•35	-	SEAL (OIL SEPARATOR) (Part of service kit, see page 40)	1
•40	1604 1331 02	TUBE	1
•45	1604 9829 92	VESSEL PRESS (For details see page 136)	1
•50	-	OILSEPELEMENT (Part of service kit, see page 40)	1
•55	-	SEAL (OILSEPARATOR) (Part of service kit, see page 40)	1
•60	1604 1330 01	RETAINER	1
•65	1616 5108 00	LEVEL GAUGE	1
•70	1604 5745 00	RETAINER	1
•75	0147 1320 03	HEX. HEAD SCREW	1

UNLOADER VALVE ASSEMBLY - STANDARD

REF	PART NUMBER	DESIGNATION	QTY
-	2252 5502 89	UNLOADER ASS'Y (From page 50)	
•20	0147 1327 03	HEX. HEAD SCREW	4
•21	1619 2766 01	BOLT	2
•25	-	PLAIN WASHER	6
		(Part of service kit, see page 34)	
•30	-	UNLOADER HOUS. (Not available separately)	1
•35	2252 5503 01	VALVE	1
•40	-	SEALRING	1
		(Part of service kit, see page 34)	
•55	1604 6205 00	VALVE	1
•60	0686 2606 00	CORE PLUG	1
•65	1613 2913 00	PLUG	1
•70	-	CONNECTION (Not available separately)	1
•90	-	GASKET	1
		(Part of service kit, see page 34)	

TOWING EYES - DIN - OPTION

REF	PART NUMBER	DESIGNATION	QTY
10	1616 5157 00	DIN TOWING EYE	1
20	1202 9844 05	BOLT	2
30	0291 1112 00	LOCKNUT	2
40	1604 1749 00	WASHER	4

COSMOS - GLOBAL COVERAGE WITH GPRS NETWORK - OPTION

REF	PART NUMBER	DESIGNATION	QTY
20	1604 7945 00	COSMOS MODULE	1
22	0147 1322 03	HEX. HEAD SCREW	4
24	0301 2335 00	PLAIN WASHER	4
30	1626 1381 00	WIRING COSMOS	1
32	1088 1301 03	CABLE STRIP	17
40	1089 9593 97	ANTENNA	1
50	1626 1023 00	BRACKET	2
60	0301 2335 00	PLAIN WASHER	4
70	0147 1322 03	HEX. HEAD SCREW	4

ROAD LIGHT SYSTEM - OPTION

REF	PART NUMBER	DESIGNATION	QTY
20	1626 1453 00	LIGHT	1
25	1626 1454 00	LIGHT	1
30	0266 2108 00	HEXAGON NUT	4
35	1626 0816 00	PROTECTION	1
40	1626 0996 00	PROTECTION	1
45	0147 1400 03	HEX. HEAD SCREW	4
50	1626 0812 00	BUMPER	1
55	0147 1400 03	HEX. HEAD SCREW	4
60	0301 2358 00	PLAIN WASHER	4
70	1088 0801 40	GROMMET	1
75	1626 0894 00	REFLECTOR	4
80	0226 3343 90	TAPPING SCREW	8
85	1626 0790 00	PROTECTION	4
90	1619 5337 03	HEX. HEAD SCREW	24
95	1626 0824 00	GUIDE	3
100	1619 2766 00	HEX. HEAD SCREW	6
105	1626 1419 00	GUIDE	2
110	1619 2766 00	HEX. HEAD SCREW	4
115	1626 1437 00	LIGHT	2
120	0226 3343 90	TAPPING SCREW	4
125	1626 1420 00	PLATE	1
130	1619 2766 00	HEX. HEAD SCREW	4
135	1604 0575 00	WIRE HARNESS	1
140	1089 0291 22	APPLIANCE INLET	1
145	0160 6066 00	SLOTTED SCREW	3
150	0333 3215 00	LOCK WASHER	3
155	0266 2107 00	HEXAGON NUT	3
160	1626 1482 00	CABLE	1
165	1626 1483 00	CABLE	1

ADAPTER - 24V - OPTION

REF	PART NUMBER	DESIGNATION	QTY
20	1604 5313 00	ADAPTER	1

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