

XAHS 237 - XAHS 500 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 36 | 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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