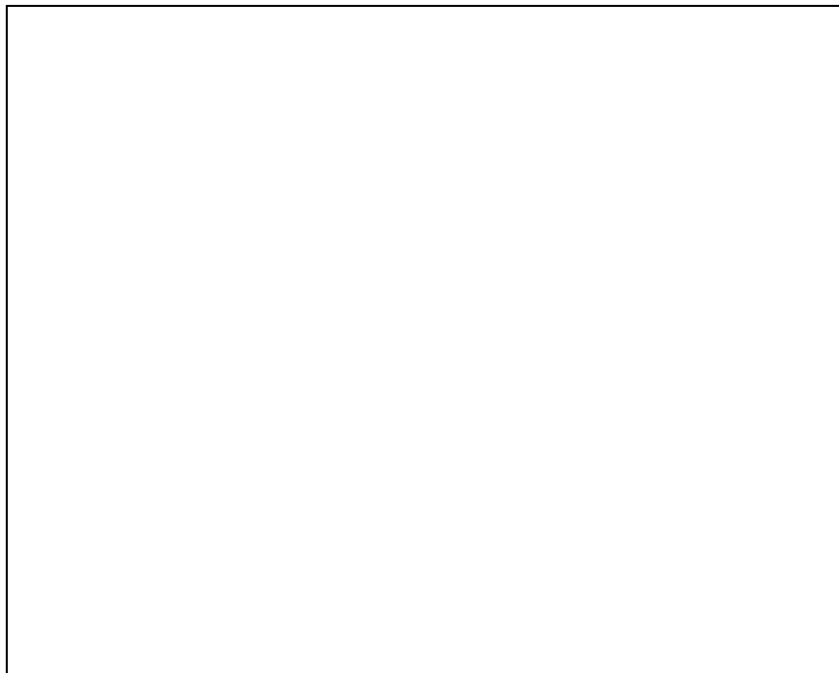




CP 2525 – CP 225 - CP 5050 – CP 250
CP 50/2 – CP 50/2T - CP 50/3 – CP 50/3T
CP 90/2 – CP 90/2T - CP 90/3T - CP 100/2
CP 100/2T - CP 150/2 - CP 200/3 –
CP 300/4 - CP 300/5,5 - CP 500/5,5 –
CP 500/7,5



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- IT AVVERTENZE:** Prima di utilizzare il compressore, leggere attentamente le istruzioni riportate nel seguente manuale
- GB WARNING:** Please read understand this manual before opertaing the compressor
- FR AVERTISSEMENT:** Veuillez lire attentivement toutes les instrucions avant de mettre à la sécurité
- DE HINWEIS:** Vor der Benutzung des Kompressors die im vorliegenden Handbuch enthaltenen Anweisungen aufmerksam lesen
- NL WAARSCHUWING:** Lees voor het gebruik van de compressor de aanwijzingen in deze handleiding zorgvuldig door
- DK ADVARSEL:** Før kompressoren tages i brug, skal instruktionerne i denne vejledning læses grundigt
- ES ADVERTENCIAS:** Antes de utilizar el compresor, lea atentamente las instrucciones descritas en el presente manual
- PT AVIOS:** Ante de utilizar o compressor, ler bem as instruções contidas no seguinte manual
- FI VAROITUKSET:** Lue tarkkan tässä käsikirjassa anneut ohjeet ennen kompressorin käyttöä
- SE VARNING:** Läs manuales instruktioner noga innan du använder kompressorn



- IT LEGGERE IL LIBRETTO DI ISTRUZIONI**
Prima di posizionare, mettere in funzione o intervenire sul compressore, leggere attentamente il libretto istruzioni.
- GB READ THE INSTRUCTION HANDBOOK**
Before positioning, operating or adjusting the compressor, read the instruction handbook carefully.
- FR LIRE LA NOTICE D'INSTRUCTIONS**
Avant de positionner, mettre en service ou intervenir sur le compresseur, lire attentivement la notice d'instructions.
- DE GEBRAUCHSANLEITUNG LESEN**
Lesen Sie die Gebrauchsanleitung sorgfältig durch, bevor Sie den Kompressor aufstellen, in Betrieb nehmen oder Eingriffe daran vornehmen.
- NL LEES HET INSTRUCTIEBOEKJE**
Lees het instructieboekje aandachtig alvorens de compressor te plaatsen, inwerking te stellen of er werkzaamheden aan te verrichten
- DK LÆS BRUGERVEJLEDNINGEN**
Læs brugervejledningen grundigt før kompressoren tages i brug, eller der udføres indgreb på den.
- ES LEER EL MANUAL DE INSTRUCCIONES**
Antes de colocar, poner en función o intervenir en el compresor, leer atentamente el manual de instrucciones.
- PT LER O MANUAL DE INSTRUÇÕES**
Antes de colocar, pôr a funcionar ou intervir no compressor, ler atentamente este manual de instruções.
- FI LUE OHJEKIRJA**
Lue ohjekirja huolellisesti ennen laitteen paikoilleen asettamista, käynnistämistä tai toimenpiteiden suorittamista.
- SE LÄS MANUALLEN**
Läs manualen noga innan du installerar, använder eller utför underhållsarbete på kompressorn.



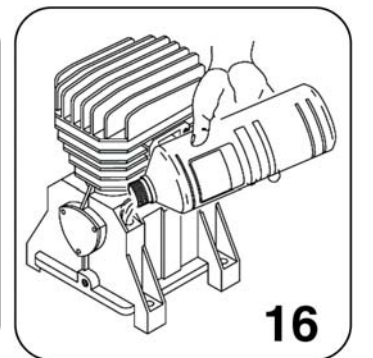
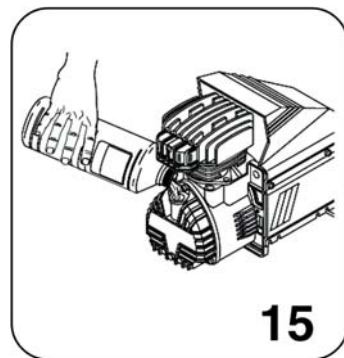
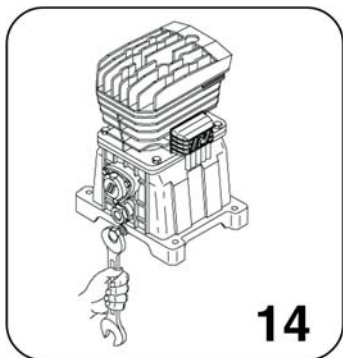
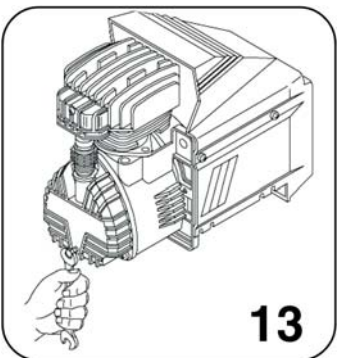
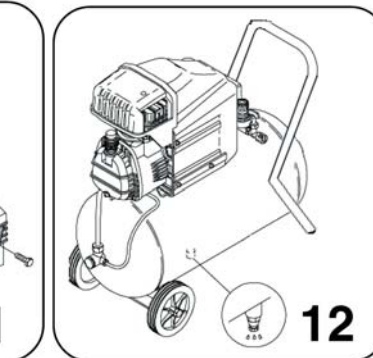
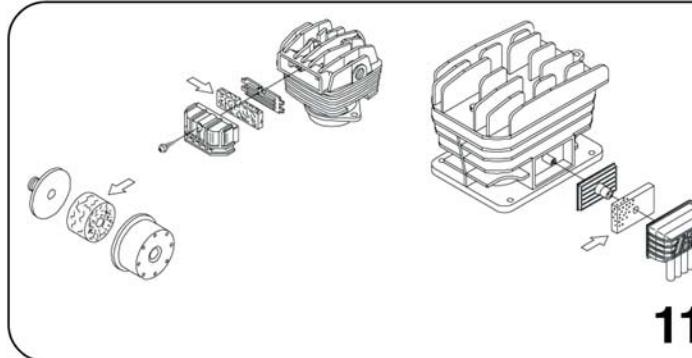
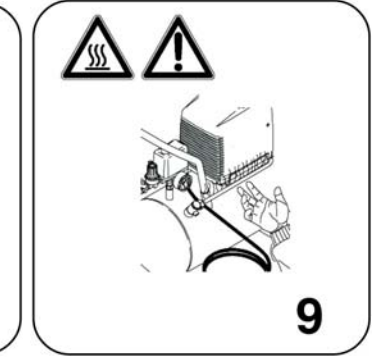
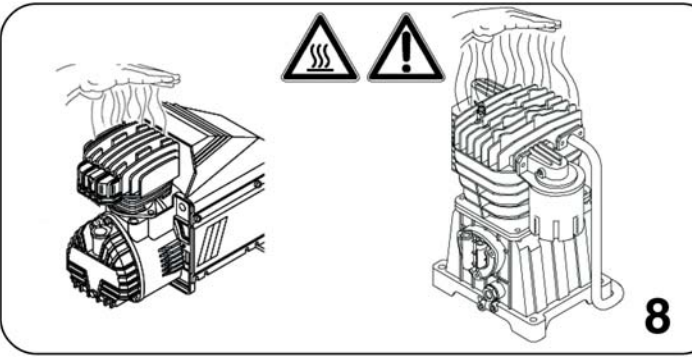
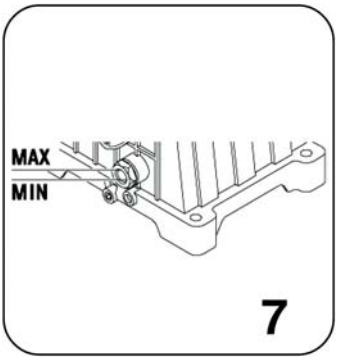
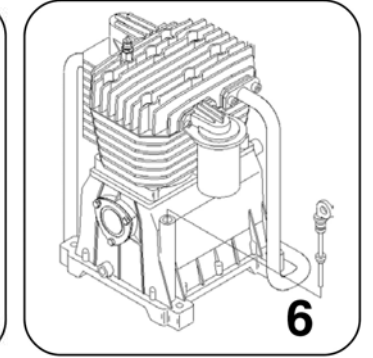
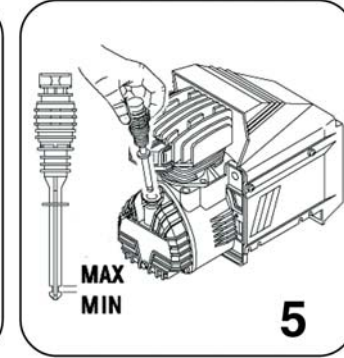
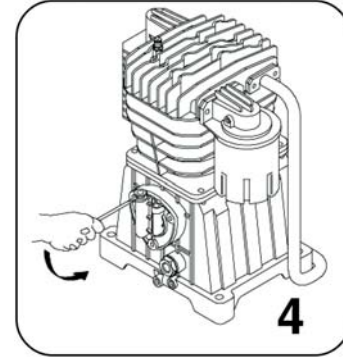
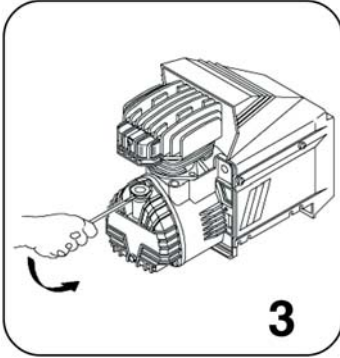
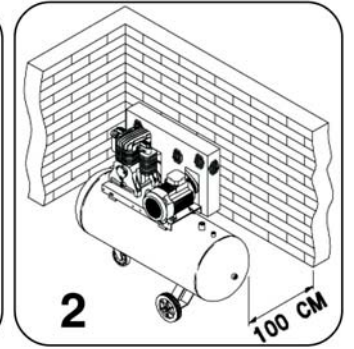
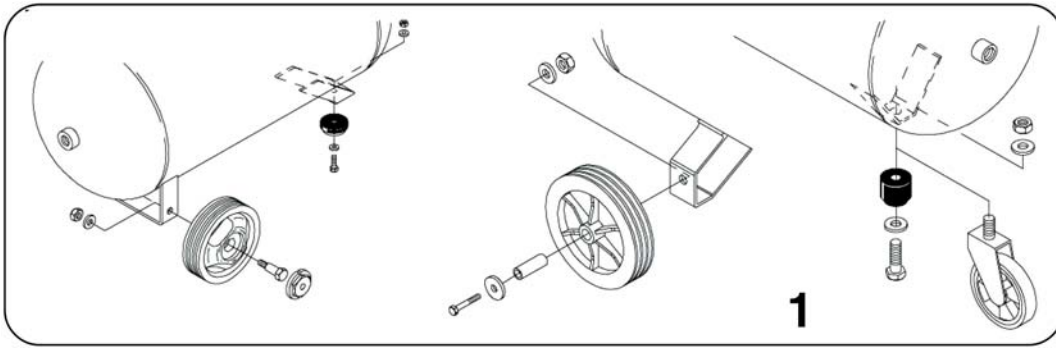
- IT RISCHIO DI SCOSSA ELETTRICA**
Attenzione: prima di effettuare ogni intervento sul compressore è obbligatorio disattivare l'alimentazione elettrica sulla macchina stessa.
- GB RISK OF ELECTRIC SHOCK**
Caution: before doing any work on the compressor it must be disconnected from the power supply.
- FR RISQUE D'ELECTROCUTION**
Attention : avant d'effectuer toute intervention sur le compresseur, il est obligatoire de désactiver l'alimentation électrique de la machine.
- DE GEFÄHRLICHE ELEKTRISCHE SPANNUNG**
Vorsicht! Schalten Sie vor jedem Eingriff am Kompressor die Stromzufuhr aus.
- NL GEVAAR VOOR EEN ELEKTRISCHE SCHOK**
Let op: schakel de stroomtoevoer op de machine beslist uit alvorens werkzaamheden op de compressor uit te voeren.
- DK FARE FOR ELEKTRISK STØD**
Advarsel: det er påbudt at afbryde strømforsyningen til kompressoren, før der udføres nogen form for indgreb på den.
- ES RIESGO DE CHOQUE ELÉCTRICO**
Atención: antes de efectuar cualquier tipo de intervención en el compresor, es obligatorio desconectar la alimentación eléctrica de la máquina.
- PT PERIGO DE CHOQUE ELÉCTRICO**
Atenção: antes de efectuar qualquer intervenção no compressor é obrigatório desligar a alimentação eléctrica da máquina.
- FI SÄHKÖISKUN VAARA**
Huomio: kompressorista on katkaistava virta ennen toimenpiteiden suorittamista laitteeseen.
- SE RISK FÖR ELEKTRISK STÖT**
Varning! Innan du utför underhållsarbete på kompressorn, måste du koppla från strömtillförseln till maskinen.

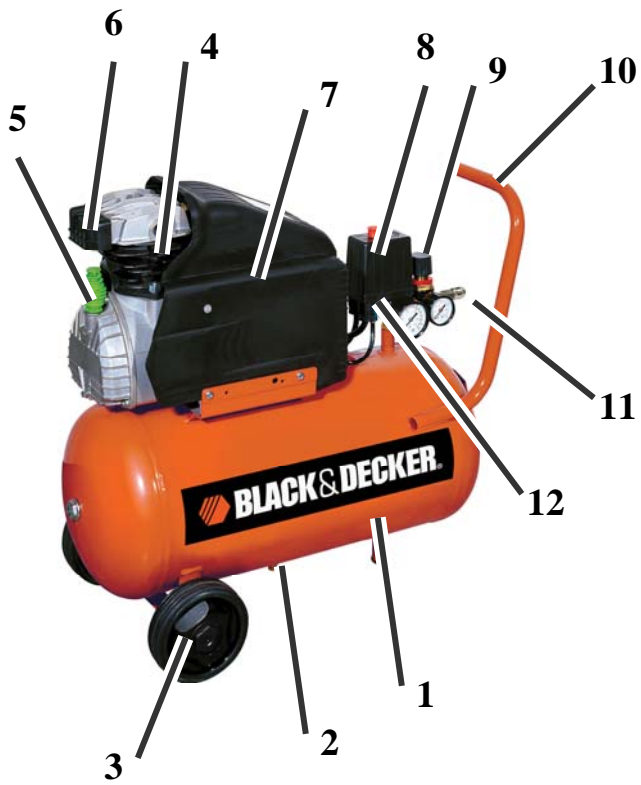


- IT RISCHIO DI TEMPERATURE ELEVATE**
Attenzione: nel compressore ci sono alcune parti che potrebbero raggiungere temperature elevate.
- GB RISK OF HIGH TEMPERATURES**
Caution: the compressor contains some parts which might reach high temperatures.
- FR RISQUE DE TEMPERATURES ELEVEES**
Attention : certaines parties du compresseur peuvent atteindre des températures élevées.
- DE GEFÄHRDUNG DURCH HEISSE OBERFLÄCHEN**
Vorsicht! Im Kompressor befinden sich einige Teile, die sich stark erhitzen können.
- NL GEVAAR VOOR HOGE TEMPERATUREN**
Let op: in de compressor kunnen enkele onderdelen hoge temperaturen bereiken.
- DK RISIKO FOR HØJE TEMPERATURER**
Advarsel: der er dele i kompressoren, der kan opnå meget høje temperaturer.
- ES RIESGO DE TEMPERATURAS ELEVADAS**
Atención: algunas partes del compresor pueden alcanzar temperaturas elevadas.
- PT PERIGO DE TEMPERATURAS ELEVADAS**
Atenção: no compressor há algumas partes que poderão alcançar temperaturas elevadas.
- FI KORKEIDEN LÄMPÖILOJEN VAARA**
Huomio: jotkin kompressorin osat saattavat saavuttaa hyvin korkeat lämpötilat.
- SE RISK FÖR HÖG TEMPERATUR**
Varning! Inuti kompressorn finns det vissa delar som kan uppnå mycket hög temperatur.

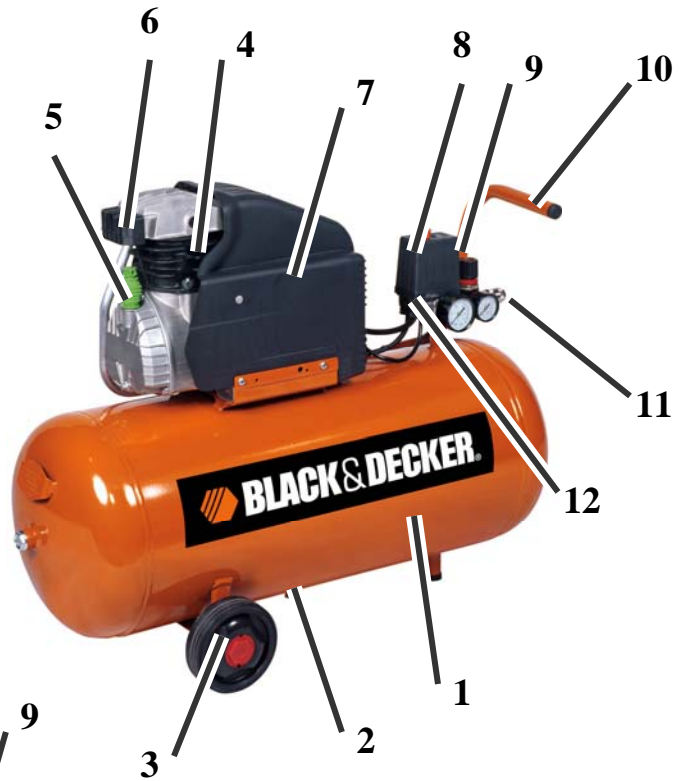


- IT RISCHIO DI PARTENZA ACCIDENTALE**
Attenzione: il compressore potrebbe ripartire in caso di black-out e successivo ripristino di tensione.
- GB RISK OF ACCIDENTAL START-UP**
Attention, the compressor could start automatically after a power-cut if not switched off.
- FR RISQUE DE DEMARRAGE ACCIDENTEL**
Attention : après une coupure de courant, au retour de l'alimentation, le compresseur risque de redémarrer.
- DE GEFÄHRDUNG DURCH PLÖTZLICHEN START**
Vorsicht! Der Kompressor kann nach einen Stromausfall plötzlich neustarten.
- NL GEVAAR VOOR ONVOORZIEN OPSTARTEN**
Let op: de compressor kan bij stroomuitval en daarop volgend herstel van de voedingsspanning opnieuw starten.
- DK RISIKO FOR UTILSIGTET IGANGSÆTNING**
Advarsel: kompressoren kan starte igen i tilfælde af black-out ved efterfølgende genetablering af strømforsyningen.
- ES RIESGO DE ARRANQUE ACCIDENTAL**
Atención: el compresor puede volver a arrancar tras un corte de energía eléctrica y sucesivo restablecimiento de tensión.
- PT PERIGO DE ARRANQUE ACIDENTAL**
Atenção: o compressor poderá começar a funcionar após uma falta de corrente quando essa voltar.
- FI VAHINGOSSA KÄYNNISTYMISEN VAARA**
Huomio: kompressori saattaa käynnistyä vahingossa sähkökatkon tapahtuessa ja sitä seuraavan virran uudelleenkytkemisen seurauksena.
- SE RISK FÖR OFRIVILLIG START**
Varning! Kompressorn kan återstarta automatiskt då strömmen återställs efter ett strömavbrott.

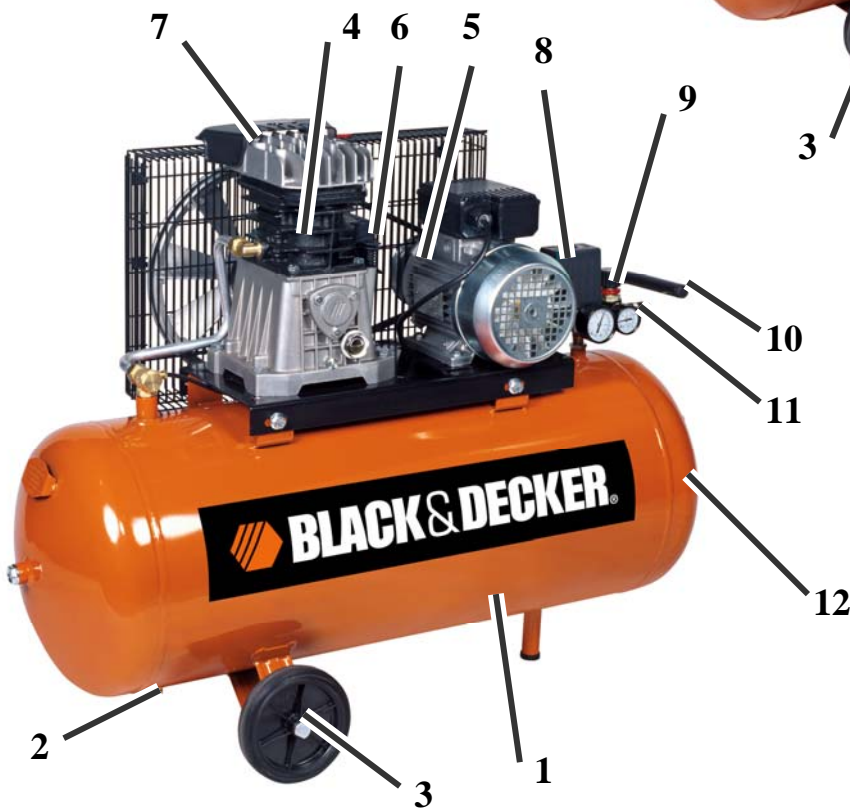




CP 2525 – CP 225



CP 5050 – CP 250



- CP 50/2 – CP 50/2T
- CP 50/3 – CP 50/3T
- CP 90/2 – CP 90/2T - CP 90/3T
- CP 100/2 – CP 100/2T
- CP 150/2 - CP 200/3
- CP 300/4 - CP 300/5,5
- CP 500/5,5 – CP 500/7,5

CP2525 - CP225 - CP5050 - CP250

1. SERBATOIO / TANK / RESERVOIR / KESSEL / TANK / BEHOLDER / DEPÓSITO / DEPÓSITO / SÄILIÖ / TANK
2. SCARICO CONDENZA / CONDENSATE DRAIN / EVACUATION CONDENSATION / AUSLASS KONDENSWASSER / AFVOER CONDENSWATER / TØMNING AF KONDENSVAND / DESAGÜE DEL CONDENSADO / PURGA DA CONDENSAÇÃO / KONDENSSIVEDEN TYHJENNYS / KONDENSVATTNETS AVLOPP
3. RUOTA / WHEEL / ROUE / RAD / WIEL / HJUL / RUEDA / RODA / PYÖRÄ / HJUL
4. GRUPPO COMPRESSORE / COMPRESSOR UNIT / GROUPE COMPRESSEUR / KOMPRESSORAGGREGAT / COMPRESSOR GROEP / KOMPRESSORENHED / GRUPO COMPRESOR / GRUPO COMPRESSOR / KOMPRESSORIYKSIKKÖ / KOMPRESSORGRUPP
5. ASTA LIVELLO OLIO / OIL LEVEL STICK / TIGE DE NIVEAU D'HUILE / ÖLSTAB / STOK OLIELEVEL / OLIEMÅLEPIND / VARILLA NIVEL DE ACEITE / VARETA NÍVEL ÓLEO / ÖLJYTASOTANKO / OLJEMÄTSTICKA
6. FILTRO ARIA / AIR FILTER / FILTRE A AIR / LUFTFILTER / LUCHTFILTER / LUFTFILTER / FILTRO DE AIRE / FILTRO AR / ILMASUODATIN / LUFTFILTER
7. CARENATURA DI PROTEZIONE / GUARD / CARENAGE DE PROTECTION / SCHUTZVERKLEIDUNG / BESCHERMINGSSTROOMLIJNKAP / STRØMLINIEBEKLÆDNING / CARENADURA DE PROTECCIÓN / COBERTURA DE PROTECÇÃO / SUOJUS / SKYDDSBEKLÄDNAD
8. PRESSOSTATO / PRESSURE SWITCH / PRESSOSTAT / DRUCKWÄCHTER / DRUKREGELAAR / PRESSOSTAT / PRESOSTATO / BARÓSTATO / PAINEMITTARI / TYCKMÄTARE
9. RIDUTTORE DI PRESSIONE / PRESSURE REDUCER / REDUCTEUR DE PRESSION / DRUCKMINDERER / DRUKREDUCTIEMACHINE / TRYKBEGRÆNSER / REDUCTOR DE PRESIÓN / REDUTOR DE PRESSÃO / PAINEENVÄHENTÄJÄ / TYCKREDUCERARE
10. MANICO / HANDLE / POIGNEE / SCHLAUCH / HANDVAT / HANK / MANIJA / ASA / KAHVA / HANDTAG
11. USCITA ARIA COMPRESSA / COMPRESSED AIR OUTLET / SORTIE AIR COMPRIME / DRUCKLUFTAUSGANG / UITGANG SAMENGEPERSTE LUCHT / UDGANG FOR TRYKLUF / SALIDA DEL AIRE COMPRIMIDO / SAIDA AR COMPRIMIDO / PAINEILMAN ULOSOMENO / TRYCKLUFTSUTGÅNG
12. VALVOLA DI SICUREZZA / SECURITY VALVE / VANNE DE SECURITE / SICHERHEITSVENTIL / VEILIGHEIDSKLEP / SIKKERHEDSVENTIL / VALVULA DE SEGURIDAD / VALVULA DE SEGURANCA / PAINEENALENNENNUSVENTTIILI / SÄKERHETSVENTIL

CP 50/2 – CP 50/2T - CP 50/3 – CP 50/3T - CP 90/2 – CP 90/2T - CP 90/3T - CP 100/2 – CP 100/2T CP 150/2 - CP 200/3 - CP 300/4 - CP 300/5,5 - CP 500/5,5 – CP 500/7,5

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5. MOTORE ELETTRICO / ELECTRIC MOTOR / MOTEUR ÉLECTRIQUE / ELEKTROMOTOR / ELEKTRISCHE MOTOR / ELEKTRISK MOTOR / MOTOR ELÉCTRICO / MOTOR ELÉCTRICO / SÄHKÖMOOTTORI / ELMOTOR
6. FILTRO ARIA / AIR FILTER / FILTRE A AIR / LUFTFILTER / LUCHTFILTER / LUFTFILTER / FILTRO DE AIRE / FILTRO AR / ILMASUODATIN / LUFTFILTER
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IMPORTANT INFORMATION

Read and understand all of the operating instructions, safety precautions and warnings in the Instruction Manual before operating or maintaining this compressor. Most accidents that result from compressor operation and maintenance are caused by the failure to observe basic safety rules or precautions. An accident can often be avoided by recognizing a potentially hazardous situation before it occurs, and by observing appropriate safety procedures. Basic safety precautions are outlined in the "SAFETY" section of this Instruction Manual and in the sections which contain the operation and maintenance instructions. Hazards that must be avoided to prevent bodily injury or machine damage are identified by WARNINGS on the compressor and in this Instruction Manual. Never use this compressor in a manner that has not been specifically recommended by manufacturer, unless you first confirm that the planned use will be safe for you and others.

MEANINGS OF SIGNAL WORDS

- WARNING:** indicates a potentially hazardous situation which, if ignored, could result in serious personal injury.
- CAUTION:** indicates a hazardous situation which, if ignored, could result in moderate personal injury, or could cause machine damage.
- NOTE:** emphasizes essential information

SAFETY

IMPORTANT SAFETY INSTRUCTIONS FOR USE OF THE COMPRESSOR.

WARNING:

DEATH OR SERIOUS BODILY INJURY COULD RESULT FROM IMPROPER OR UNSAFE USE OF THE COMPRESSOR. TO AVOID THESE RISKS, FOLLOW THESE BASIC SAFETY INSTRUCTIONS.

READ ALL INSTRUCTIONS

1. NEVER TOUCH MOVING PARTS

Never place your hands, fingers or other body parts near the compressor's moving parts.

2. NEVER OPERATE WITHOUT ALL GUARDS IN PLACE

Never operate this compressor without all guards or safety features in place and in proper working order. If maintenance or servicing requires the removal of a guard or safety features, be sure to replace the guards or safety features before resuming operation of the compressor.

3. ALWAYS WEAR EYE PROTECTION

Always wear safety goggles or equivalent eye protection. Compressed air must never be aimed at anyone or any part of the body.

4. PROTECT YOURSELF AGAINST ELECTRIC SHOCK

Prevent body contact with grounded surfaces such as pipes, radiators, ranges and refrigeration enclosures. Never operate the compressor in damp or wet locations.

5. DISCONNECT THE COMPRESSOR

Always disconnect the compressor from the power source and remove the compressed air from the air tank before servicing, inspecting, maintaining, cleaning, replacing or checking any parts.

6. AVOID UNINTENTIONAL STARTING

Do not carry the compressor while it is connected to its power source or when the air tank is filled with compressed air. Ensure the knob of the pressure switch in the "OFF" position before connecting the compressor to its power source.

7. STORE COMPRESSOR PROPERLY

When not in use, the compressor should be stored in dry place. Keep out of reach of children. Store in lockable area when no in use.

8. KEEP WORK AREA CLEAN

Cluttered areas invite injuries. Clear all work areas of unnecessary tools, debris, furniture etc...

9. KEEP CHILDREN AWAY

Do not let visitors interfere with compressor or extension on cord. All visitors should be kept safely away from work area.

10. DRESS PROPERLY

Do not wear loose clothing or jewellery. They can be caught in moving parts. Wear protective hair covering to contain long hair.

11. DO NOT ABUSE POWER CORD

Never yank power cord to disconnect from plug socket. Keep cord away from heat, oil and sharp edges.

12. MAINTAIN COMPRESSOR WITH CARE

Follow instructions for lubricating. Inspect power cords periodically and if damaged, have them repaired by authorized service facility. Inspect extension cords periodically and replace if damaged.

13. OUTDOOR USE OF EXTENSION CORDS

When compressor is in use outdoors, use only extension cords suitable for outdoor use.

14. STAY ALERT

Take care. Use common sense. Do not operate compressor when you are tired. Compressor should never be used by you if you are under the influence of alcohol, drugs or medication that makes you drowsy.

15. CHECK FOR DAMAGED PARTS AND AIR LEAKS

If a guard or other part is damaged it should be carefully checked to determine that it will operate properly and perform its intended function. Before further use of the compressor check for alignment of moving parts, binding of moving parts, breakage of parts, mountings, air leak and any other conditions that may affect its operation. A guard or other part that is damaged should be properly repaired or replaced by an authorized service center unless otherwise indicated elsewhere in this Instruction Manual. Defective pressure switches should be replaced by authorized service center.

Do not use compressor if power switch does not turn it on and off.

16. HANDLE COMPRESSOR CORRECTLY

Operate the compressor according to the instructions provided herein. Never allow the compressor to be operated by children, individuals unfamiliar with its operation or unauthorized personnel.

17. KEEP ALL SCREWS, BOLTS AND COVERS TIGHTLY IN PLACE

Keep all screws, bolts, and plates tightly mounted. Check their conditions periodically.

18. KEEP MOTOR AIR VENT CLEAN

The motor air vent must be kept clean so that air can flow freely at all times. Frequently check for dust build-up.

19. OPERATE COMPRESSOR AT THE RATED VOLTAGE

Operate the compressor at voltages specified on their nameplates. If using the compressor at a higher voltage than the rated voltage, it will result in abnormally fast motor revolution and may damage the unit and burn out the motor.

20. NEVER USE A COMPRESSOR WHICH IS DEFECTIVE OR OPERATING ABNORMALLY

If the compressor appears to be operating unusually, making strange noises, or otherwise appears defective, stop using it immediately and arrange for repairs by a authorized service center.

21. DO NOT WIPE PLASTIC PARTS WITH SOLVENT

Solvents such as gasoline, thinner, benzene, carbon tetrachloride, and alcohol may damage and crack plastic parts. Do not wipe them with such solvents. Wipe plastic parts with a soft cloth lightly dampened with soapy water and dry thoroughly.

22. USE ONLY GENUINE REPLACEMENT PARTS

Replacement parts which are not original may void your warranty and can lead to malfunction and resulting injuries. Genuine parts are available from your dealer.

23. DO NOT MODIFY THE COMPRESSOR

Do not modify the compressor. Always contact the authorized service center for any repairs. Unauthorized modification may not only impair the compressor performance but may also result in accident or injury to repair personnel who do not have the required knowledge and technical expertise to perform the repair operations correctly.

24. TURN OFF THE PRESSURE SWITCH WHEN THE COMPRESSOR IS NOT USED

When the compressor is not used, turn the knob of the pressure switch OFF, disconnect it from the power source and open the drain cock to discharge the compressed air from the air tank.

25. NEVER TOUCH HOT SURFACES

To reduce the risk of burns, do not touch tubes, heads, motors and cylinder.

26. DO NOT DIRECT AIR STREAM AT BODY

Risk of injury, do not direct air stream at persons or animals.

27. DRAIN TANK

Drain tank daily or after 4 hours of use. Open drain fitting and tilt compressor to empty accumulated water.

28. DO NOT STOP COMPRESSOR BY PULLING OUT THE PLUG

Use the "AUTO/OFF" knob of pressure switch.

29. USE ONLY RECOMMENDED AIR HANDLING PARTS ACCEPTABLE FOR PRESSURE NOT LESS THAN 125 PSI (8.6 BAR)

Risk of bursting. Use only recommended air handling parts acceptable for pressures not less than 125 psi (8.6 bar).

REPLACEMENT PARTS

When servicing use only identical replacement parts. Repairs should be conducted only by authorized service center.

SAFETY

GROUNDING INSTRUCTIONS

This compressor should be grounded while in use to protect the operator from electric shocks. The compressor is equipped with a three-conductor cord and three-prong grounding type plug to fit the proper grounding plug socket. The green (or green and yellow) conductor in the cord is the grounding wire. Never connect the green (or green and yellow) wire to a live terminal.

EXTENSION CORD

Only use extension cords with three conductor cord that have three-prong grounding type plugs and threepole that accept the compressor's plug. Replace or repair damaged cords socket. Make sure your extension cord is in good condition. When using an extension cord, be sure to use one heavy enough to carry the current your product will draw. An undersized cord will cause a drop in line voltage resulting in loss of power and overheating. Table 1 shows the correct size to use depending on cord length and name plate ampere rating. If in doubt, use the next heavier gauge. The smaller the gauge number, the heavier the cord.

Tab.1 SECTION VALID FOR A MAX LENGHT OF 20 mt single-phase

	220/230 V (mm ²)
CP2525 – CP225 – CP5050 – CP250 – CP 50/2 – CP 50/2T – CP 50/3 – CP 50/3T – CP 90/2 – CP 90/2T – CP 90/3T – CP 100/2 CP 100/2T CP 150/2 - CP 200/3 - CP 300/4 – CP 300/5,5 - CP 500/5,5 – CP 500/7,5	2,5

WARNING

Avoid electrical shock hazard. Never use this compressor with a damaged or frayed electrical cord or extension cord. Inspect all electrical cords regularly. Never use in near water or in any environment where electric shocks are possible

SAVE THESE INSTRUCTION AND MAKE THEM AVAILABLE TO OTHER USERS OF THIS TOOL! OPERATION AND MAINTENANCE

NOTE: The information contained in this Instruction Manual is designed to assist you in the safe operation and maintenance of the compressor. Some illustrations in this Instruction Manual may show details or attachments that differ from those on your own compressor.

INSTALLATION

Remove the compressor from its packing, makes sure it is in perfect condition, checking if it was damaged during transport, and carry out the following operations. Fit the wheels on the tanks on which are not already fitted, observing the instructions in fig.1. In case of infiatable wheels, the maximum inflation pressure must be of 1,6 bar (24 psi). Position the compressor on a flat surface or with a maximum permissible inclination of 10°, in a well aired place protected against atmospheric agents and not in a place subject to explosion hazard. If the surface is inclined and smooth, check if the compressor does not moves while in operation - if it does, secure the wheels with two wedges. If the surface is a bracket or a shelf top, make sure it cannot fall, securing it in a suitable way. To ensure good ventilation and efficient cooling, the compressor's belt guard must be at least 100 cm from any wall (fig. 2).

USE INSTRUCTIONS

- Take care to transport the compressor correctly, do not overturn it or lift it with hooks or ropes - Replace the plastic plug on the guard cover (fig.3- 4) with the oil level stick (fig.5) or with the relevant breather plug (fig.6), supplied with the instructions booklet. Check oil level, consulting the reference marks on the stick (fig.5) or the oil level inspection window (fig.7).

ELECTRICAL CONNECTION

Single-phase compressors are supplied with an electrical cable and a two-pole + earth plug. The compressor must be connected to a grounded power socket.

Three-phase compressors (L1+L2+L3+PE) must be installed by a specialised technician. Three-phase compressors are supplied without

a plug. Connect a plug, with screw-on grommet and securing collar, to the cable, consulting the table below.

CV	kW	Power supply. Volt/ph	Plug Model
2-3	1.5 – 2.2	220/380/3 230/400/3	16A 3 pole+ground

IMPORTANT:

Never use the ground socket instead of the neutral wire. The ground connection must be made to meet safety standards(EN 60204). The plug of the power cable must not be used as a switch, but must be fitted in a power socket controlled by a suitable differential switch (thermalbreaker).

STARTING

Check that the mains power matches that indicated on the electrical data-plate the permissible tolerance range is +/-5%. When first starting compressors operating on 3-phase voltage, check the rotation direction of the cooling fan by comparing it with the direction of the arrow on the belt guard or on the protective housing. Press the knob located on the upper section of the pressure switch to "0" position. Fit the plug in the power socket and start the compressor, turning the pressure switch knob into "I" position. The compressor is fully automatic, and is controlled by the pressure switch which stops it when tank pressure reaches maximum value and restarts it when it falls to minimum value. The pressure difference between maximum and minimum values is usually about 2 bar (29 psi). After connecting the compressor to the power line, load it to maximum pressure and check exactly how the machine is operating. **NOTE:** The head/cylinder/delivery tube unit can reach high temperatures. Take care when working near these parts, and do not touch them to avoid possible burns (fig.8-9).

IMPORTANT

The electro-compressors must be connected to a power socket protected by a suitable differential switch (thermalbreaker). The compressor motor is equipped with an automatic thermal breaker located inside the winding - this stops the compressor when there motor temperature reaches excessively high temperature. If the breaker is tripped, the compressors **restarts automatically** after 10 to 15 minutes. The motors of the CP 50/2 – CP 50/2T – CP 50/3 – CP 50/3T – CP 90/2 – CP 90/2T – CP 90/3T – CP 100/2 – CP 100/2T – CP 150/2 – CP 200/3 – CP 300/4 – CP 300/5,5 – CP 500/5,5 – CP 500/7,5 series compressors are supplied with a manually resetting amperometric thermal-breaker, located on the terminal board cover. When the breaker is tripped, wait for a few minutes and then reset the breaker manually.

ADJUSTING OPERATING PRESSURE (fig.10)

You do not have to use the maximum operating pressure at all times. On the contrary, the pneumatic tool being used often requires less pressure. On compressors supplied with a pressure reducer, operating pressure must be correctly adjusted. Adjust pressure to the required value by turning the knob (clockwise to increase pressure and anti-clockwise to reduce its. Pressure can be seen on the gauge.

MAINTENANCE

Before attempting any maintenance jobs on the compressor, make sure of the following: - Master power switch is in "0" position. - No pressure in the air tank. Every 50 hours of duty, we advise you to dismantle the suction filter and clean the filtering element by blowing compressed air on to it (fig.11). You are recommended to replace the filter element at least once if the compressor operates in a clean environment, but more frequently if in a dusty environment. The compressor generates condensation which accumulates in the tank. The condensation in the tank must be drained at least once a week by opening the drain tap (fig.12) under the tank. Take care if there is compressed air inside the cylinder as water could flow out with considerable force. Recommended pressure: 1 - 2 bar max. Condensation from of compressors that are oil lubricated must not be drained into the sewer or dispersed into the environment as it may contain oil.

OIL CHANGES - TOPPING UP WITH OIL

The compressor is filled with synthetic oil "SAE 5W50". We recommend a full change of oil in the pumping element within the first 100 hours of duty. Unscrew the oil drain plug on the housing cover, allow all the oil to flow out and re-screw the plug (fig. 13- 14). Pour oil into the upper hole of the housing cover (fig. 15-16) until it reaches the level indicated

on the stick (fig.5) or indicator (fig.7) Once a week: check oil level of the pumping element and see if it needs topping up. For operation at ambient temperature in the range -5°C to +35°C, use "SAE 5W50" synthetic oil. The advantage of this oil is that it does not lose its characteristics either in winter or summer. Do not drain used oil into the sewer or dispose of it in the environment.

OBSERVE THIS TABLE FOR OIL CHANGES

TYPE OF OIL	HOURS OF DUTY
SYNTHESIS	500
Sinthetic oil	300
Other types of oil mineral multigrade SAE 15 W40 100	100

WHAT TO DO IF SMALL MALFUNCTIONS OCCUR

Air losses

This can be caused by under tightening of a union

- check all unions, wetting them with soapy water.

Compressor not starting

If the compressor has trouble starting, check the following:

- Does mains power match that of the data-plate?
- Are power cable extensions of adequate diameter or length?
- Is the work environment too cold (under 0°C)?
- Was the thermal-breaker tripped?
- Is there enough oil in the housing to ensure lubrication? (fig. 7)
- Is power supplied to the electrical line? (sockets well connected, thermal- breaker, fuses in good condition).

Compressor not stopping

- If the compressor does not stop when maximum pressure is reached, the tank safety valve comes into operation. To repair the valve, contact your nearest service centre.

IMPORTANT

- Do not on any account unscrew any connection while the tank is pressurised - always check that the tank is pressure free.
- Do not drill holes, weld or purposely deform the compressed air tank.
- Do not perform any maintenance on the compressor unless you have disconnected the power plug. - Temperature in operating ambient: 0°C +35°C.
- Do not aim jets of water or flammable liquids on the compressor.
- Do not place flammable objects near the compressor.
- During down-times, turn the pressure switch to "0" position (OFF).
- Never aim the air jet at people or animals
- Do not transport the compressor while the tank is pressurised.
- Take care, as some parts of the compressor, such as the head and delivery tubes, as they can reach high temperatures. Do not touch these parts to avoid burns.(fig. 8-9)
- Transport the compressor, lifting or pulling it with the appropriate grips or handles
- Keep children and animals well away from the machine operating area.
- If using the compressor for painting:
 - a) Do not work in closed environments or near to naked flames
 - b) Make sure there is adequate ventilation at the place of work
 - c) Protect your nose and mouth with an appropriate mask.
- If the electrical cable or plug are damaged, do not use the compressor and contact an authorised service centre to replace the faulty component with an original spare part.
- If the compressor is located on a shelf above floor height, it must be secured to prevent it falling while in operation.
- Do not put objects or your hands inside the protective grilles to avoid injury to yourself or damage to the compressor. (Do not use the compressor as a blunt object toward things or animals, to avoid serious damage).
- When you have finished using the compressor, always remove the plug from the power socket.

CP2525 - CP225 - CP5050 - CP250

Maximum operating pressure 8.5 bar

Minimum operating pressure 8 bar

CP 50/2 - CP 50/2T - CP 50/3 - CP 50/3T - CP 90/2 - CP 90/2T - CP 90/3T - CP 100/2 - CP 100/2T - CP 150/2 - CP 200/3 - CP 300/4 - CP 300/5,5 - CP 500/5,5 - CP 500/7,5

Maximum operating pressure 10.5 bar

Minimum operating pressure 10 bar

Acoustic pressure measured free-field at a distance of 4m: ±3dB(A) at maximum operating pressure.

	RPM	dB(A)
CP2525 – CP225	2850	75
CP5050 – CP250	2850	75
CP 50/2 - CP 50/2T - CP 50/3 - CP 50/3T - CP 90/2 - CP 90/2T - CP 90/3T - CP 100/2 - CP 100/2T - CP 150/2 - CP 200/3 - CP 300/4 - CP 300/5,5 - CP 500/5,5 - CP 500/7,5	2850	77

The level of acoustic pressure can increase from 1 to 10 dB(A) according to the place in which the compressor is installed.

HINTS FOR EFFICIENT OPERATION

- For efficient operation of the machine at full continuing load and at maximum operating pressure, make sure the temperature of the work environment indoors does not exceed 25°C.
- We advise you to use the compressor at 70% maximum duty per hour at full load as this ensures efficient operation of the product long-term.

STORING THE PACKED AND UNPACKED COMPRESSOR

For the whole time that the compressor is not used before unpacking store in a dry place at a temperature between 5°C and 45°C and sheltered away from weather. For the whole time that the compressor is not used after unpacking, while waiting to start it up or due to production stoppages, place sheets over it to protect from dust, which may settle on the components. The oil is to be replaced and the operational efficiency of the compressor is to be checked if it is not used for long periods.

PNEUMATIC CONNECTIONS

Make sure you always use pneumatic tubes for compressed air with maximum pressure characteristics that are adequate for the compressor. Do not attempt to repair tubes if faulty.

WE RESERVE THE RIGHT TO MAKE ANY MODIFICATIONS WITHOUT PRIOR NOTICE WHENEVER NECESSARY.

PROTECTING THE ENVIRONMENT



Separate collection. This product must not be disposed of with normal household waste. Should you find one day that your Black & Decker product needs replacement, or if it is of no further use to you, do not dispose of it with household waste. Make this product available for separate collection.



Separate collection of used products and packaging allows materials to be recycled and used again. Reuse of recycled materials helps prevent environmental pollution and reduces the demand for raw materials. Local regulations may provide for separate collection of electrical products from the household, at municipal waste sites or by the retailer when you purchase a new product. Black & Decker provides a facility for the collection and recycling of Black & Decker products once they have reached the end of their working life. To take advantage of this service please return your product to any authorised repair agent who will collect them on our behalf. You can check the location of your nearest authorized repair agent by contacting your local Black & Decker office at the address indicated in the manual.

GUARANTEE

Black & Decker is confident of the quality of its products and offers an outstanding guarantee. This guarantee statement is in addition to and in no way prejudices your statutory rights. The guarantee is valid within the territories of the Member States of the European Union and the European Free Trade Area. If a Black & Decker product becomes defective due to faulty materials, workmanship or lack of conformity, within 24 months from the date of purchase, Black & Decker guarantees to replace defective parts, repair products subjected to fair wear and tear or replace such products to ensure minimum inconvenience to the customer unless:

- The product has been used for trade, professional or hire purposes;
- The product has been subjected to misuse or neglect;
- The product has sustained damage through foreign objects, substances or accidents;

Repairs have been attempted by persons other than authorised repair agents or Black & Decker service staff. To claim on the guarantee, you will need to submit proof of purchase to the seller or an authorised repair agent.

