

# RYOBI®

ORIGINAL INSTRUCTIONS

## 18V Air Compressor

R18AC-0



## **Important!**

It is essential that you read the instructions in this manual before assembling, operating and maintaining the product.

Subject to technical modification.

Safety, performance, and dependability have been given top priority in the design of your air compressor.

### INTENDED USE

The air compressor is designed to supply pressurised air only. It must not be used to compress any other gas.

The product is designed to operate air-powered tools and inflate high-pressure items such as car tyres and bicycle tyres.

The product is intended to be used only by adults who have read and understood the instructions and warnings in this manual, and can be considered responsible for their actions.

The product should be operated indoors only.

Do not use the product for any other purpose. Use of the product for operations different from intended could result in a hazardous situation.

### GENERAL SAFETY WARNINGS

#### WARNING

**Read all safety warnings and all instructions.** Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

**Save all warnings and instructions for future reference.**

#### WARNING

When using electric tools, basic safety precautions should always be followed to reduce the risk of fire, electric shock and personal injury. Read all these instructions before attempting to operate this product and save these instructions.

### WORK AREA SAFETY

- Keep work area clean. Cluttered areas and benches invite accidents. Do not leave tools or pieces of wood on the product while it is in operation.
- Do not use the product in dangerous environments. Do not use the product in damp or wet locations or expose to rain. Keep the work area well lit.
- Keep children and visitors away. All visitors should wear safety glasses and be kept a safe distance from the work area. Do not let visitors contact the product while operating.
- Never use the product in an explosive atmosphere. Normal sparking of the motor could ignite fumes.

### ELECTRICAL SAFETY

- Should any electrical component of the product fail to perform properly, turn off the power switch, remove the battery pack from the product and replace before resuming operation.
- Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.

### PERSONAL SAFETY

- Stay alert and exercise control. Watch what you are doing and use common sense. Do not operate the product when you are tired. Do not rush.
- Dress properly. Do not wear loose clothing, neckties, or jewellery which can get caught and draw you into moving parts. Rubber gloves and nonskid footwear are recommended when working outdoors. Wear protective hair covering to contain long hair.
- Always wear safety glasses with side shields. Everyday eyeglasses have only impact-resistant lenses; they are not safety glasses.
- Protect your lungs. Wear a face or dust mask if the operation is dusty.
- Protect your hearing. Wear hearing protection during extended periods of operation.
- Do not overreach. Keep proper footing and balance at all times.
- Remove adjusting keys and wrenches. Form habit of checking to see that keys and adjusting wrenches are removed from the product before turning it on.

### AIR COMPRESSOR USE AND CARE

- Do not exceed the pressure rating of any component in the system.
- Protect material lines and air lines from damage or puncture. Keep hose away from sharp objects, chemical spills, oil, solvents, and wet floors.
- Check hoses for weak or worn condition before each use, making certain all connections are secure. Do not use if defect is found. Purchase a new hose or notify an authorised service centre for examination or repair.
- Release all pressures within the system slowly. Dust and debris may be harmful.
- Store idle air compressors out of the reach of children and other untrained persons. Air compressors are dangerous in the hands of untrained users.
- Maintain air compressors with care. Follow maintenance instructions. Properly maintained products are easier to control.
- Check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the product's operation. If damaged, have the product serviced before using. Many accidents are caused by poorly maintained products.
- Keep the exterior of the product dry, clean, and free from oil and grease. Always use a clean cloth when cleaning. Never use brake fluids, gasoline, petroleum-based products, or any strong solvents to clean the product. Following this rule will reduce the risk of deterioration of the enclosure plastic.

### SERVICE

- When servicing use only identical replacement parts. Use of any other parts may create a hazard or cause product damage.

**Save these instructions. Refer to them frequently and use them to instruct other users. If you loan someone this tool, loan them these instructions also.**

## AIR COMPRESSOR SAFETY WARNINGS

- Know your product. Read operator's manual carefully. Learn the product's applications and limitations, as well as the specific potential hazards related to the product. Following this rule will reduce the risk of electric shock, fire, or serious injury.
- Drain the air tank of moisture after each day's use. If the product will not be used for a while, it is best to leave the drain valve open until next use. This will allow moisture to completely drain out and help prevent corrosion on the inside of air tank.
- Risk of fire or explosion. Do not spray flammable liquid in a confined area. Spray area must be well ventilated. Do not smoke while spraying or spray where spark or flame is present. Keep the product at least 10 m (33 feet) from the spraying area and all explosive vapours.
- Risk of bursting. Do not adjust regulator to result in output pressure greater than marked maximum pressure of attachment. Do not use at pressure greater than 8.3 bar.
- To reduce the risk of electric shock, do not expose the product to rain. Store the product indoors.
- Inspect the air tank yearly for rust, pin holes, or other imperfections that could cause it to become unsafe.
- Never weld or drill holes in the air tank.
- Make sure the hose is free of obstructions or snags. Entangled or snarled hoses can cause loss of balance or footing and may become damaged.
- Use the product only for its intended use. Do not alter or modify the product from the original design or function.
- Always be aware that misuse and improper handling of the product can cause injury to yourself and others.
- Never leave the product unattended with the air hose attached to a tool.
- Never point any air tool toward yourself or others.
- Do not operate the product if it does not contain a legible warning label.
- Do not continue to use the product or hose which leaks air or does not function properly.
- Always disconnect the air supply and remove the battery pack before making adjustments, servicing the product, or when the product is not in use.
- Do not attempt to pull or carry the product by the hose.
- Your tool may require more air consumption than the product is capable of providing.
- Always follow all safety rules recommended by the manufacturer of your air tool, in addition to all safety rules for the air compressor. Following this rule will reduce the risk of serious personal injury.
- Never direct a jet of compressed air toward people or animals. Take care not to blow dust and dirt towards yourself or others. Following this rule will reduce the risk of serious injury.
- Do not use the product to spray chemicals. Your lungs can be damaged by inhaling toxic fumes. A respirator may be necessary in dusty environments or when spraying paint. Do not carry the product while painting.
- Inspect product cords and hoses periodically and,

if damaged, have them repaired at your nearest authorised service centre. Constantly stay aware of cord location. Following this rule will reduce the risk of electric shock or fire.

- Check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the product's operation. If damaged, have the product serviced before using. Many accidents are caused by poorly maintained products.
- When fixed guards have to be removed for periodic maintenance or repair, their fixing systems shall remain attached to the guard or machinery when the guards are removed.
- Never store a tool with an air hose connected. Storing the tool while connected to an air supply can result in unexpected operation, firing or movement and possible serious personal injury.
- Protect your lungs. Wear a face or dust mask if the operation is dusty. Following this rule will reduce the risk of serious personal injury.
- Save these instructions. Refer to them frequently and use them to instruct others who may use the product. If you loan someone the product, loan them these instructions also.
- Operate the product from the front of the control panel.
- When the product is in operation, many parts of machine may cause a high temperature. Use necessary personal protection equipment such as gloves to avoid injuries resulting from a high temperature.
- The product is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge. Children should be supervised to ensure that they do not play with the product.

## BATTERY AND CHARGER SAFETY WARNINGS

### ⚠ WARNING

To reduce the risk of fire, personal injury, and product damage due to a short circuit, never immerse your tool, battery pack or charger in fluid or allow a fluid to flow inside them. Corrosive or conductive fluids, such as seawater, certain industrial chemicals, and bleach or bleach-containing products, etc., can cause a short circuit.

- **Recharge only with the charger specified by the manufacturer.** A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.
- **Use power tools only with specifically designated battery packs.** Use of any other battery packs may create a risk of injury and fire.
- **When battery pack is not in use, keep it away from other metal objects, like paper clips, coins, keys, nails, screws or other small metal objects, which can make a connection from one terminal to another.** Shorting the battery terminals together may cause burns or a fire.

- **Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help.** Liquid ejected from the battery may cause irritation or burns.
- **Battery tools do not have to be plugged into an electrical outlet; therefore, they are always in operating condition. Be aware of possible hazards when not using your battery tool or when changing accessories.** Following this rule will reduce the risk of electric shock, fire, or serious personal injury.
- **Do not place battery tools or their batteries near fire or heat.** This will reduce the risk of explosion and possibly injury.
- **Do not crush, drop or damage battery pack. Do not use a battery pack or charger that has been dropped or received a sharp blow.** A damaged battery is subject to explosion. Properly dispose of a dropped or damaged battery immediately.
- **Batteries can explode in the presence of a source of ignition, such as a pilot light.** To reduce the risk of serious personal injury, never use any cordless product in the presence of open flame. An exploded battery can propel debris and chemicals. If exposed, flush with water immediately.
- **Do not charge battery tool in a damp or wet location.** Following this rule will reduce the risk of electric shock.
- **For best results, your battery should be charged in a location where the temperature is more than 10°C but less than 38°C.** To reduce the risk of serious personal injury, do not store outside or in vehicles.
- **Under extreme usage or temperature conditions, battery leakage may occur. If liquid comes in contact with your skin, wash immediately with soap and water. If liquid gets into your eyes, flush them with clean water for at least 10 minutes, then seek immediate medical attention.** Following this rule will reduce the risk of serious personal injury.
- **Do not use a battery pack that is damaged or modified.** Damaged or modified batteries may exhibit unpredictable behavior resulting in fire, explosion or risk of injury.
- **Do not modify or attempt to repair a battery pack that has been damaged.**
- **Do not expose a battery pack or appliance to fire or excessive temperature.** Exposure to fire or temperature above 130°C may cause explosion.
- **Follow all charging instructions and do not charge the battery pack or appliance outside of the temperature range specified in the instructions.** Charging improperly or at temperatures outside of the specified range may damage the battery and increase the risk of fire.

### TRANSPORTING LITHIUM BATTERIES

Transport the battery in accordance with local and national provisions and regulations.

Follow all special requirements on packaging and labelling when transporting batteries by a third party. Ensure that no batteries can come in contact with other batteries

or conductive materials while in transport by protecting exposed connectors with insulating, non-conductive caps or tape. Do not transport batteries that are cracked or leaking. Check with the forwarding company for further advice.

### BATTERIES

Battery packs which have not been used for some time should be recharged before use.

Temperatures in excess of 50°C (122°F) reduce the performance of the battery pack. Avoid extended exposure to heat or sunshine (risk of overheating).

The contacts of chargers and battery packs must be kept clean.

For an optimum life-time, the battery packs have to be fully charged, after used.

To obtain the longest possible battery life remove the battery pack from the charger once it is fully charged.

### For battery pack storage longer than 30 days:

- Store the battery pack where the temperature is below 27°C and away from moisture.
- Store the battery packs in a 30% - 50% charged condition.
- Every six months of storage, charge the pack as normal.

### BATTERY PACK PROTECTION

The battery pack has overload protection that protects it from being overloaded and helps to ensure long life. Under extreme stress the battery electronics switch off the product automatically. To restart, switch the product off and then on again. If the product does not start up again, the battery pack may have discharged completely. In this case it must be recharged in the battery charger.

### RESIDUAL RISKS

Even when the product is used as prescribed, it is still impossible to completely eliminate certain residual risk factors. The following hazards may arise and the operator should pay special attention to avoid the following:

- Use the product only for its intended use. Do not alter or modify the product from the original design or function.
- Always be aware that misuse and improper handling of the product can cause injury to yourself and others.
- Never leave the product unattended with the hose attached to a tool.
- Do not continue to use the product or hose which leaks air or does not function properly.
- Risk of bursting
  - Do not adjust regulator to result in output pressure greater than marked maximum pressure of attachment.
- Heat and high temperature are generated while motor and cylinder are running. Touching exposed metal can result in serious burns.
  - Always keep the air compressor away from the working zones.

- Injury caused by noise
  - Wear ear protection.
- The gas from air compressor can propel dirt, chips, loose particles and small objects at high speed. This may result in objects being thrown into eyes or other possible serious injury.
  - Always wear proper personal protective equipment when operating different tools.

## KNOW YOUR PRODUCT

See page 8.

1. Hose wrap brackets
2. Quick connect coupler
3. Tank pressure gauge
4. Pressure regulator knob
5. Regulator pressure gauge
6. Carrying handle
7. Safety valve
8. On/off switch
9. Battery pack
10. Drain valve
11. Reset button

## UNPACKING

Inspect the product carefully to make sure no breakage or damage occurred during shipping.

Do not discard the packing material until you have carefully inspected and satisfactorily operated the product.

### ⚠ WARNING

If any parts are damaged or missing, do not operate the product until the parts are replaced. Use of the product with damaged or missing parts could result in serious personal injury.

### ⚠ WARNING

Do not attempt to modify the product or create accessories not recommended for use with the product. Any such alteration or modification is misuse and could result in a hazardous condition leading to possible serious personal injury.

### ⚠ WARNING

To prevent accidental starting that could cause serious personal injury, always remove the battery pack from the product when assembling parts.

## OPERATION

### PREPARATION

#### Attaching/disconnecting an air hose

See page 9.

**NOTE:** For operation using pressures above 7 bar, (102 psi) delivery hoses should be fitted with a safety cord, e.g., wire rope.

1. Make sure the on/off switch is in the OFF (O) position and the battery pack is disconnected.
2. Pull the pressure regulator knob outward to enable adjustment. Rotate the pressure regulator knob fully counterclockwise.
3. Confirm that the outlet pressure is at zero (0) bar.
4. Attach an air hose with a connector to 6.35 mm (1/4 in.) quick connect coupler on the air compressor. Make sure to push the connector fully into the coupler until the sleeve on the coupler springs forward to lock the connector in place.

#### To disconnect an air hose or an air tool:

1. Pull the pressure regulator knob outward to enable adjustment. Rotate the pressure regulator knob fully counterclockwise.
2. Confirm that the outlet pressure is at zero (0) bar.
3. Pull back the release sleeve on the 6.35 mm (1/4 in.) quick coupler. With a firm grip, pull out the hose connector which is attached to the quick coupler.

#### Connecting/removing a battery pack

1. Make sure the on/off switch is in the OFF (O) position.
2. Insert a battery pack into the battery port.
3. Make sure the latches on each side of the battery pack snap into place and the battery pack is secured in the product before beginning operation.
4. Depress the latches to remove the battery pack.
5. For complete charging instructions, see the operator's manuals for your battery pack and charger.

## USING THE AIR COMPRESSOR

### ⚠ DANGER

Do not disassemble tank drain valves or safety valve with air in the air tank. Release the air from the air tank. Failure to depressurise the air tank could result in explosion and/or serious personal injury.

### ⚠ WARNING

Always wear eye protection with side shields. Failure to do so could result in objects being thrown into your eyes, resulting in possible serious injury.

### ⚠ WARNING

Do not use any attachments or accessories not recommended by the manufacturer of the product. The use of attachments or accessories not recommended can result in serious personal injury.

### ⚠ WARNING

Do not attach any tools to the open end of the hose until start-up has been completed.

### WARNING

Always remove the battery pack from the tool when you are assembling parts, making adjustments, cleaning, or when the product is not in use. Removing the battery pack will prevent accidental starting that could cause serious personal injury.

### WARNING

Do not use in an environment which is dusty or otherwise contaminated. Using the air compressor in this type of environment may cause damage to the product.

## Adjusting the air pressure

See page 10.

1. Make sure the on/off switch is in the OFF (O) position and the battery pack is removed.
2. Connect the battery pack to the product.
3. Press the on/off switch to the ON (I) position.
4. Pull the pressure regulator knob outward to enable adjustment.
5. Rotate pressure regulator knob to the desired pressure. Turning the knob clockwise increases air pressure at the outlet. Turning counterclockwise reduces air pressure at the outlet. Push the pressure regulator knob to disable adjustment.
6. Following all safety precautions in this manual and the manufacturer's instructions in the air tool manual, you may now proceed to use your air-powered tool.

### WARNING

Air powered tools may require more air consumption than this air compressor is capable of providing. Check the tool manual to avoid damage to the tool or risk of personal injury.

7. Control the amount of air flow with the pressure regulator knob. Turning the knob fully counterclockwise will completely stop the flow of air.

**NOTE:** Always use the minimum amount of pressure necessary for your application. Using a higher pressure than needed will drain air from the tank more rapidly and cause the unit to cycle on more frequently.

8. To turn the air compressor off, press the power switch to the OFF (O) position.

**NOTE:** When the compressor is in the ON (I) position, the air compressor will automatically turn on when the designated tank air pressure drops below the preset pressure limit. It will also shut off again when the desired pressure is reached.

### WARNING

Never exceed the air tool's pressure rating as recommended by the manufacturer. When using this air compressor as an inflation device, always follow the maximum inflation guidelines stated by the manufacturer of the item being inflated.

### WARNING

Always ensure the on/off switch is in the OFF (O) position and the regulator pressure gauge reads zero before changing air tools or disconnecting the hose from the air outlet. Failure to do so could result in possible serious personal injury.

9. When finished, always drain the tank and remove the battery pack. Never leave the product operating or connected to the battery pack.

## DRAINING THE AIR TANK

See page 11.

To prevent tank corrosion and keep moisture out of the air tank, the air tank of the compressor should be drained daily.

### To drain the air tank:

1. Make sure the on/off switch is in the OFF (O) position.
2. Remove the battery pack.
3. Rotate the safety valve counterclockwise until the tank pressure gauge reads less than 1.4 bar (20 PSI).
4. Turn the drain valve lever counterclockwise to drain the moisture.  
**NOTE:** Condensate is a polluting material and should be disposed of in compliance with local regulations.
5. Turn the drain valve lever clockwise to close the drain valve.
6. Rotate the safety valve clockwise to close.

## RESET BUTTON

When current into the air compressor motor exceeds the specified unit, the air compressor will automatically shut off.

### To reset the air compressor:

1. Remove the battery pack.
2. Turn off the product.
3. Wait three minutes for the motor to cool.
4. Press the reset button.
5. Connect the battery pack to the product.
6. Turn on the product.

## TRANSPORTATION AND STORAGE

See pages 12-13.

1. Make sure the on/off switch is in the OFF (O) position.
2. Remove the battery pack.
3. Run the air tool to relieve the air pressure in the hose, then remove the air hose and the air tool.
4. Turn the drain valve lever counterclockwise to open until the Tank pressure gauge reads less than 1.4 bar (20 PSI).
5. Drain water from the tank as instructed in "Draining the air tank" section.
6. Clean the product with a dry cloth.
7. Wrap the air hose around the hose wrap brackets.
8. Carry the product by the carrying handle.
9. Store the air compressor in its normal operating position in a dry and protected area.

### ⚠ WARNING

Water will condense in the air compressor tank when the compressor is in operation. Water left in the tank can cause the tank to weaken and corrode, increasing the risk of tank rupture.

### ⚠ WARNING

Always disconnect the air hose from tools whenever not in use or while servicing. During maintenance, a tool connected to air hose may operate accidentally, causing serious personal injury!

### ⚠ WARNING

Failure to remove the battery pack from the air compressor before storage may result in the compressor running continuously, causing overheating, damage to the compressor, and possibly a fire.

## MAINTENANCE

### GENERAL MAINTENANCE

- Avoid using solvents when cleaning plastic parts. Most plastics are susceptible to damage from various types of commercial solvents and may be damaged by their use. Use clean cloths to remove dirt, dust, oil, grease, etc.
- Do not at any time let brake fluids, gasoline, petroleum-based products, penetrating oils, etc., come in contact with plastic parts. Chemicals can damage, weaken or destroy plastic which may result in serious personal injury.
- Always release all pressure, remove the battery pack, and allow the product to cool to the touch before cleaning or making repairs on the product.
- Do not modify the product in any way or use accessories not approved by the manufacturer. Your safety and that of others may be compromised.
- Do not use the product if any switches, guards or other functions does not work as intended. Return to an authorised service centre for professional repair or adjustment.
- Always make sure the battery pack has been removed from the product before making adjustments, lubricating or when doing any maintenance on the product.
- Before and after each use, check the product for damage or broken parts. Keep the product in top working condition by immediately replacing parts with spares approved by the manufacturer.

### ⚠ WARNING

For greater safety and reliability, all repairs should be performed by an authorised service centre.

## SYMBOLS ON THE PRODUCT



Safety alert



Please read the instructions carefully before starting the machine.



Regulatory Compliance Mark (RCM). Product meets applicable regulatory requirements.



Always wear goggles when using the machine.



Wear ear protectors.



Indoor use



Wet condition alert. Do not expose to rain. Store indoors.



Risk of breathing. Air obtained directly from the air compressor should never be used to supply air for human consumption.



Risk of bursting. Do not adjust regulator to result in output pressure greater than marked maximum pressure of attachment. Do not use at pressure greater than 8.3 bar.



This compressor may start without warning.



**Risk of fire or explosion.** Spray area must be well ventilated. Do not smoke while spraying or spray where spark or flame is present. Keep compressors as far from the spraying area as possible. Keep compressor, at least 10 m from the spraying area and all explosive vapours.



Regulated pressure



Tank pressure



Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or retailer for recycling advice.

## SYMBOLS IN THIS MANUAL



Parts or accessories sold separately

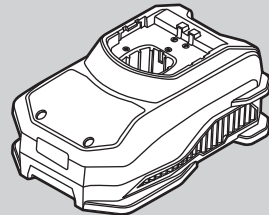
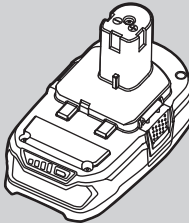
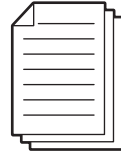
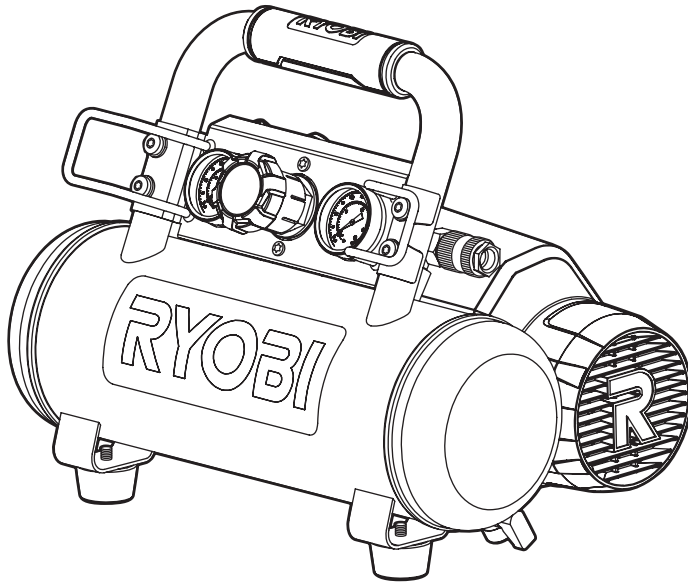


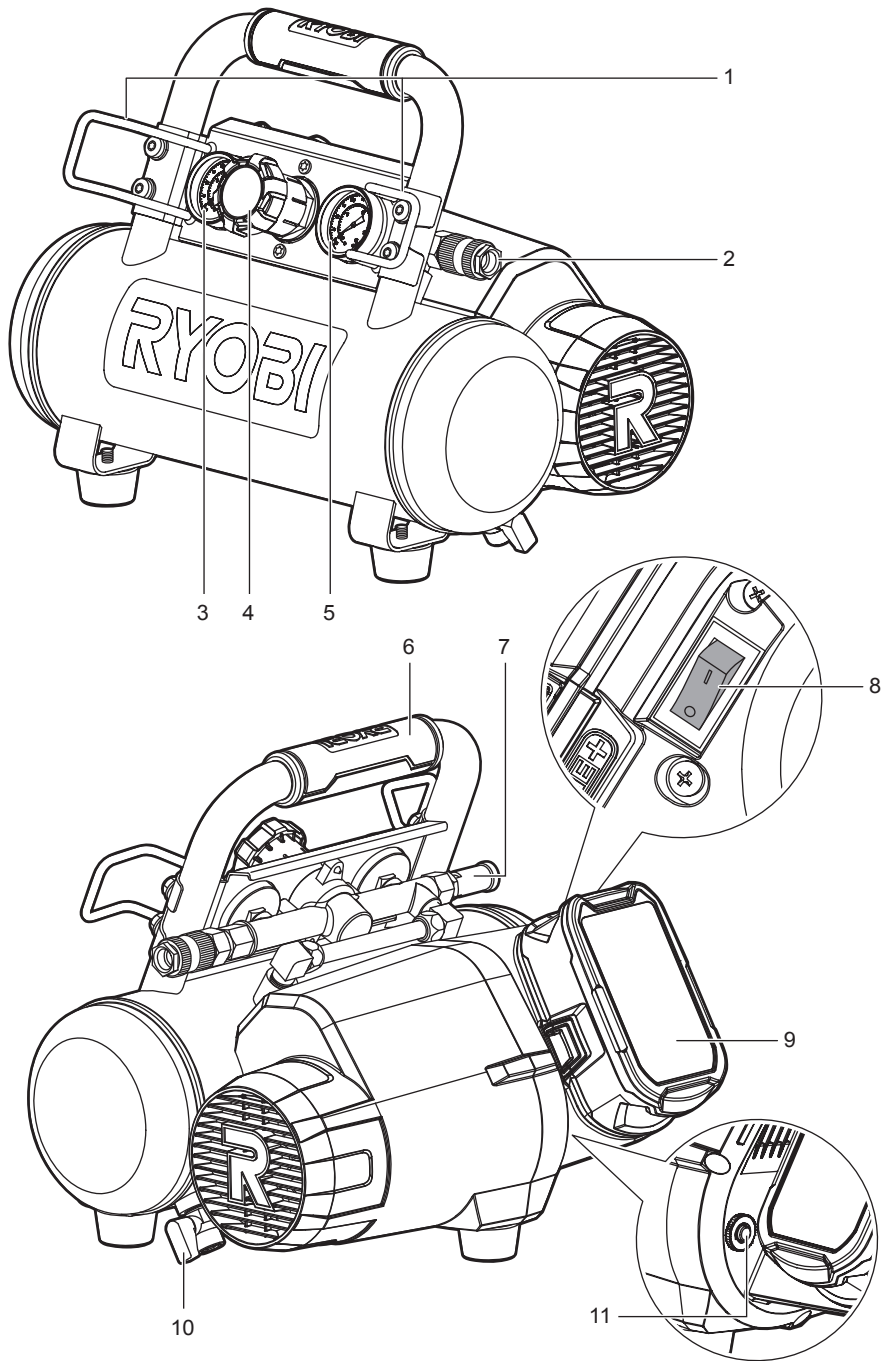


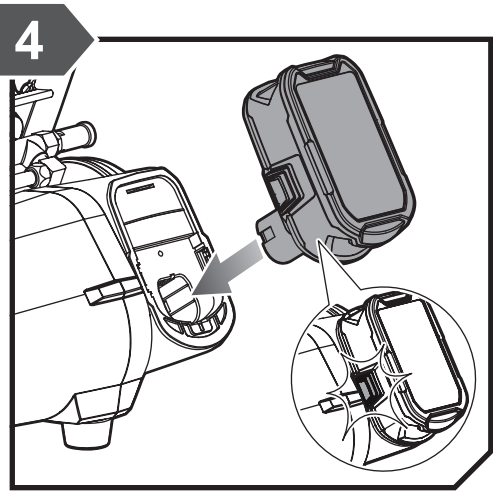
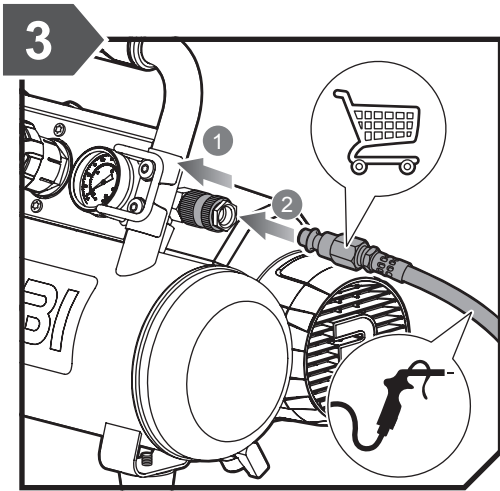
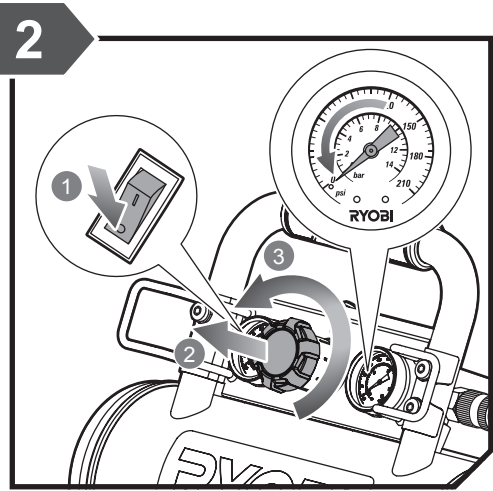
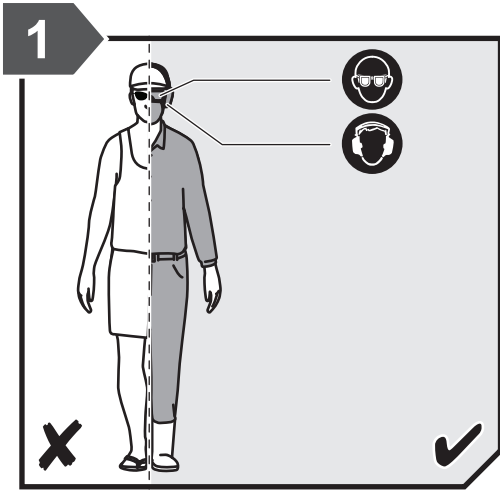
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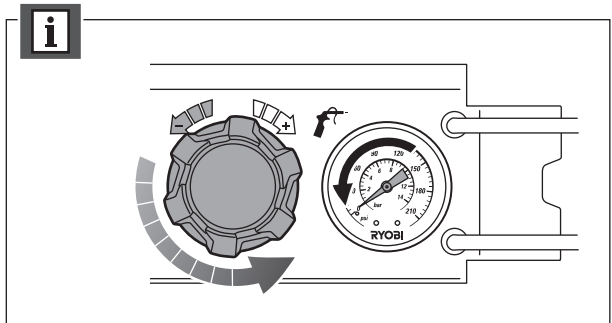
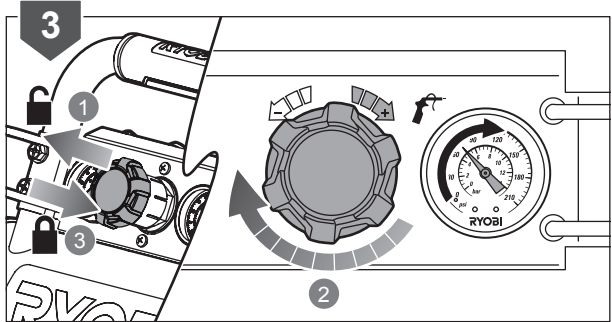
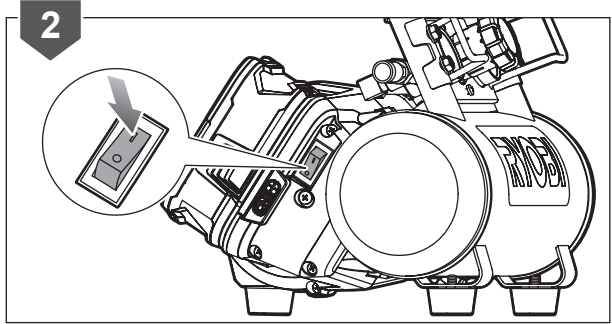
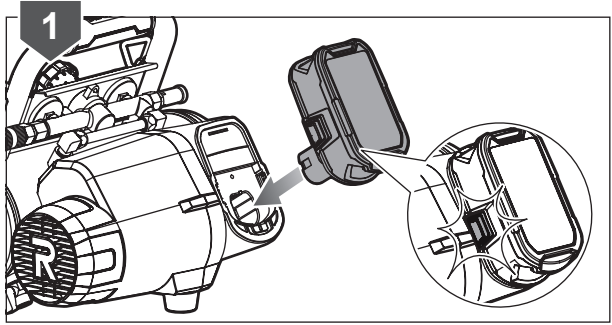
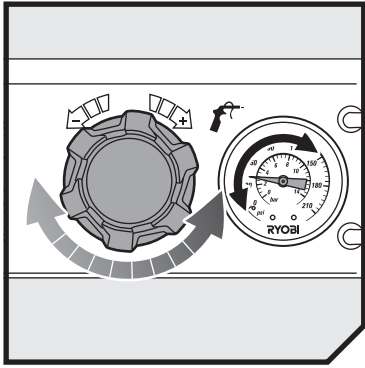


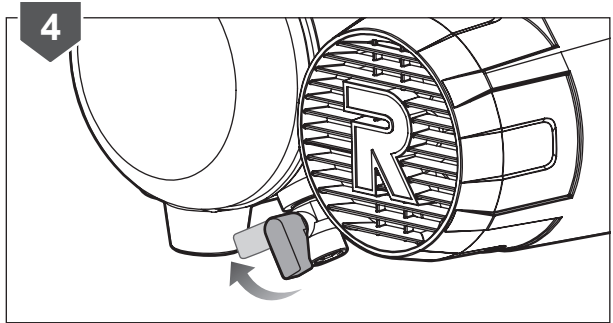
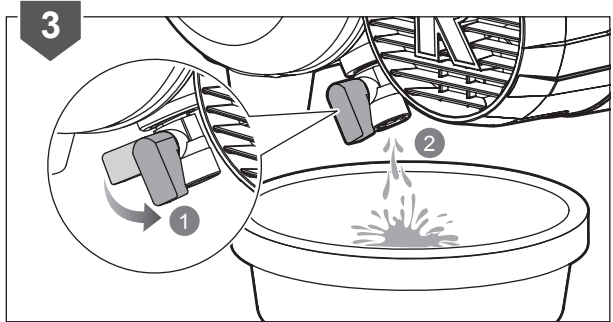
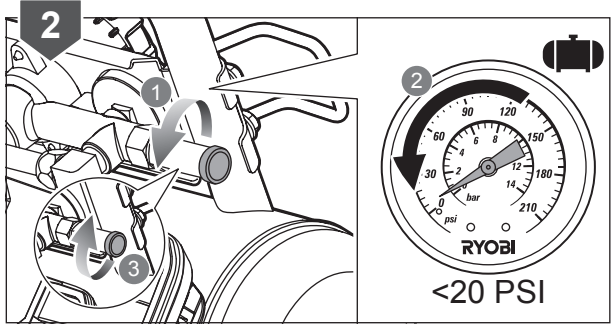
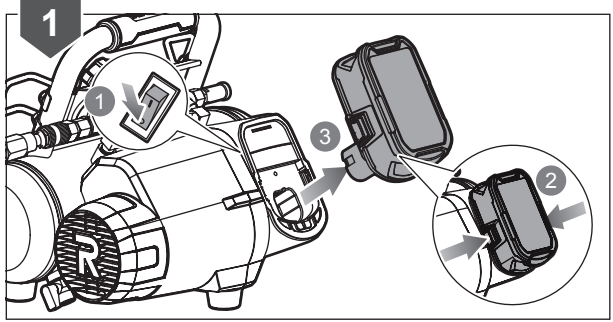
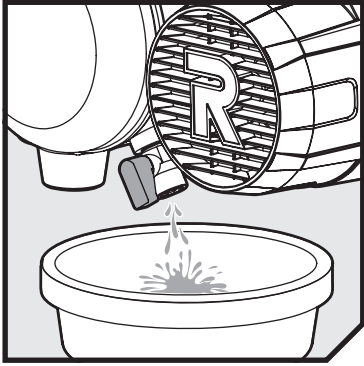
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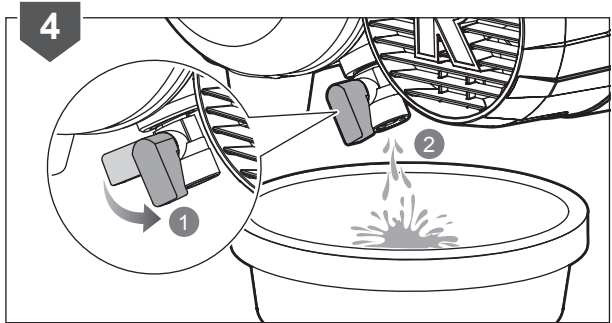
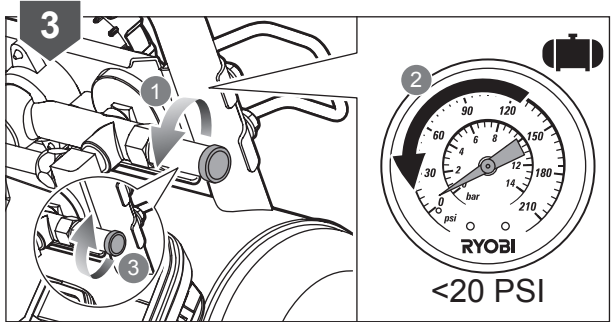
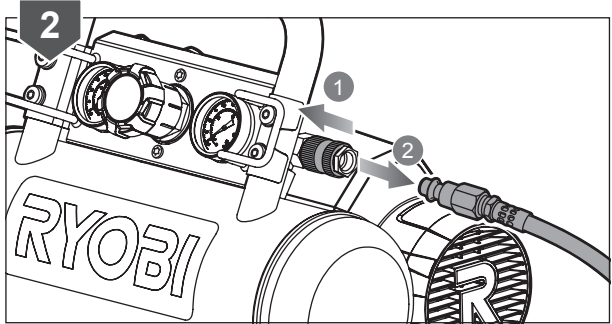
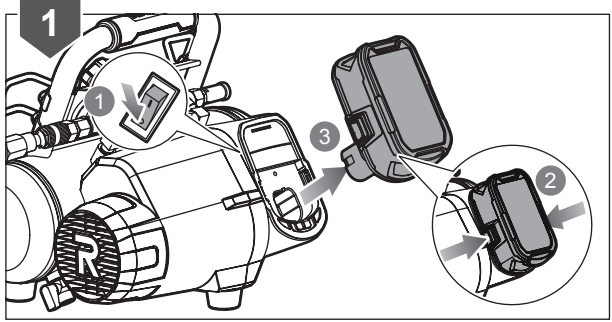
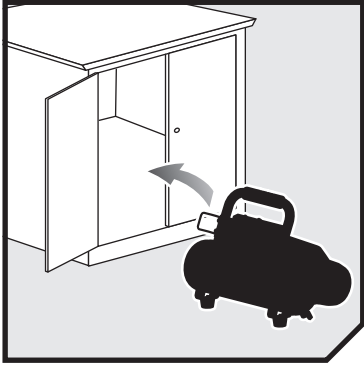


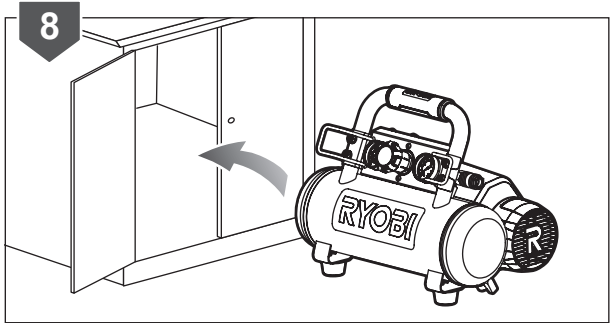
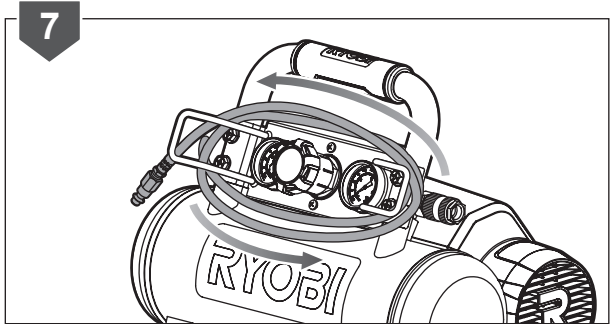
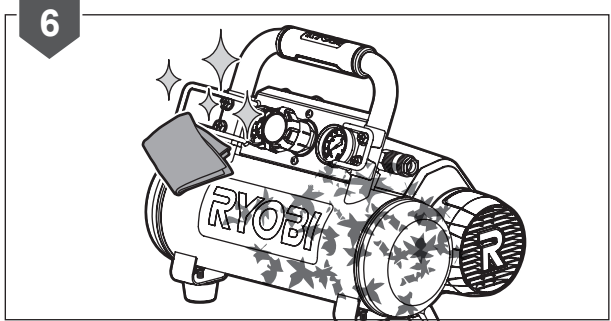
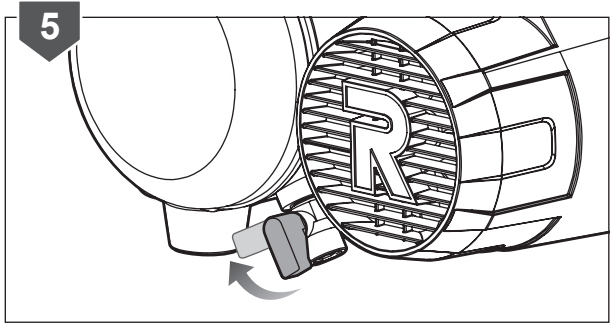












## TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE	SOLUTION
Compressor will not run	<ol style="list-style-type: none"> <li>1. Battery pack is not charged</li> <li>2. Bad pressure switch</li> <li>3. Tank is full of air</li> <li>4. Internal overload switch is tripped</li> </ol>	<ol style="list-style-type: none"> <li>1. Recharge the battery pack.</li> <li>2. Take product to service centre.</li> <li>3. Compressor will turn on when tank pressure drops to cut-in pressure.</li> <li>4. Turn off product and allow it to cool; remove and reinstall battery packs.</li> </ol>
Motor hums but cannot run or runs slowly	<ol style="list-style-type: none"> <li>1. Shorted or open motor winding</li> <li>2. Defective check valve or unloader</li> </ol>	<ol style="list-style-type: none"> <li>1. Take product to service centre.</li> <li>2. Take product to service centre.</li> </ol>
Internal overload switch trips repeatedly	<ol style="list-style-type: none"> <li>1. Lack of proper ventilation / room temperature too high</li> <li>2. Electrical overload</li> </ol>	<ol style="list-style-type: none"> <li>1. Move product to well ventilated area.</li> <li>2. Turn off product and allow to cool; remove and reinstall battery pack.</li> </ol>
Air tank pressure drops when compressor shuts off	<ol style="list-style-type: none"> <li>1. Loose connections (fittings, tubing, etc.)</li> <li>2. Loose drain valve / open drain valve</li> <li>3. Check valve leaking</li> </ol>	<ol style="list-style-type: none"> <li>1. Check all connections with soap and water solution and tighten.</li> <li>2. Tighten drain valve / close drain valve.</li> <li>3. Take product to service centre.</li> </ol>
<div style="background-color: #333; color: white; padding: 5px; border: 1px solid black;"> <p><b>⚠ DANGER</b></p> <p>Do not disassemble check valve, tank drain valve or safety relief valve with air in tank. Release the air from the air tank.</p> </div>		
Excessive moisture in discharge air	<ol style="list-style-type: none"> <li>1. Excessive water in air tank</li> <li>2. High humidity</li> </ol>	<ol style="list-style-type: none"> <li>1. Drain the air tank.</li> <li>2. Move to area of less humidity; use air line filter.</li> </ol>
Compressor runs continuously	<ol style="list-style-type: none"> <li>1. Defective pressure switch</li> <li>2. Excessive air usage</li> <li>3. Piston rings are worn</li> </ol>	<ol style="list-style-type: none"> <li>1. Take product to service centre.</li> <li>2. Decrease air usage; compressor not large enough for tool's requirement.</li> <li>3. Replace piston rings; call customer service for assistance.</li> </ol>
Air output lower than normal	<ol style="list-style-type: none"> <li>1. Broken inlet valves</li> <li>2. Connections leaking</li> </ol>	<ol style="list-style-type: none"> <li>1. Take product to service centre</li> <li>2. Tighten connections.</li> </ol>



## PRODUCT SPECIFICATIONS

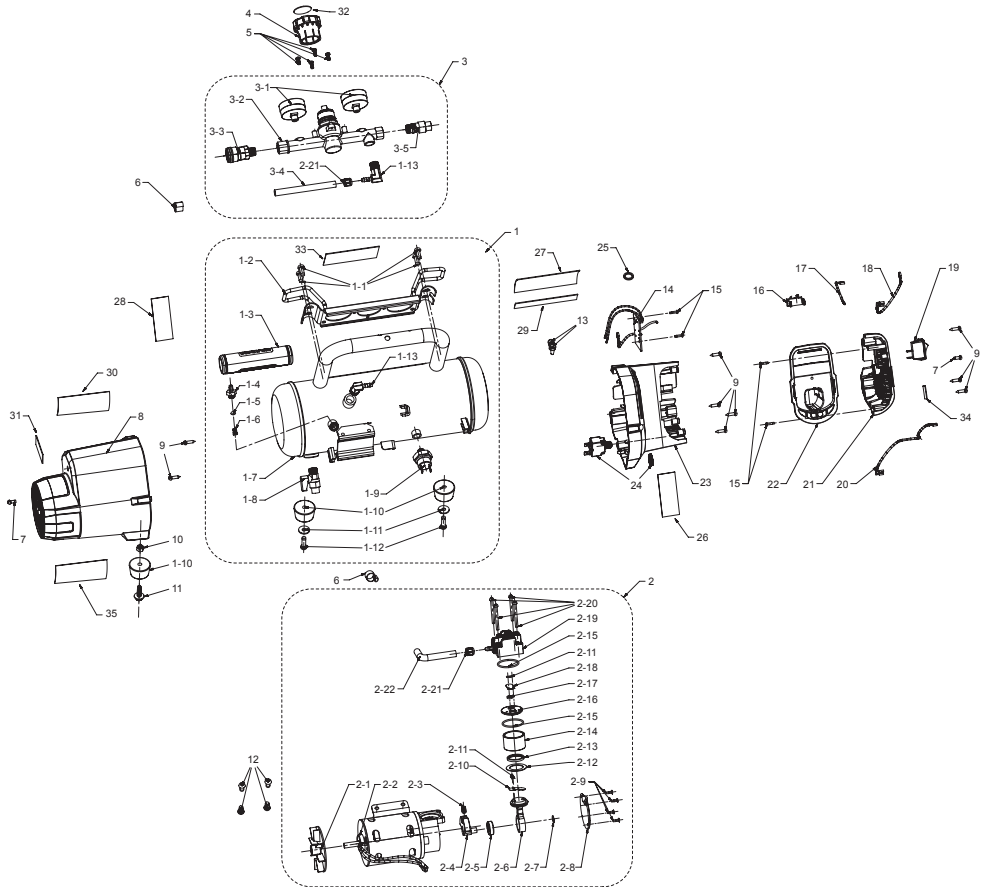
18V Air compressor	
Model	R18AC-0
Rated motor power	243 W
Rated current	13.5 A
Air outlet	1 pc NITTO style male coupler
Quick connector fitting size	6.35 mm (1/4") BSP thread
Weight	6.4 kg
Input	18 V $\equiv$
Air tank capacity	3.8 L
Free air delivery	16 L/min (0.6 cfm)
Maximum air delivery at 0 bar tank pressure	49.5 L/min (1.75 cfm)
Maximum air pressure	8.27 bar (120 psi)
Working pressure range	6.2 - 8.27 bar (90 - 120 psi)
Pressure gauge	2 pcs, 41 mm (1.5 in.) diameter
Maximum rotational shaft speed	5400 min <sup>-1</sup>
Operating temperature	+5~+40°C
Measured sound pressure level (the reference number of the noise test code: EN ISO 2151:2008)	$L_{pA} = 80$ dB(A)
Uncertainty K	2.5 dB
Measured sound power level (the reference number of the noise test code: EN ISO 2151:2008)	$L_{WA} = 91.48$ dB(A)
Uncertainty K	1.8 dB

## BATTERY AND CHARGER

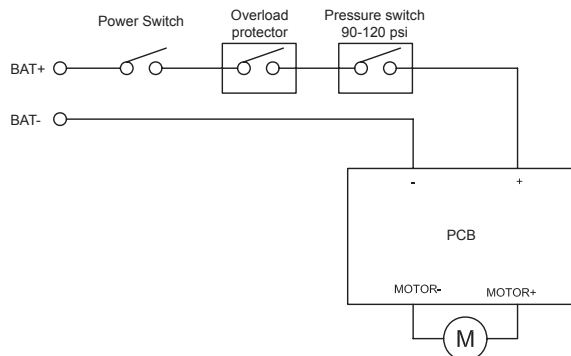
	Compatible battery pack (not included)	Compatible charger (not included)
Lithium-Ion	RB18L13	
	RB18L15	
	RB18L15A	
	RB18L20	
	RB18L20A	
	RB18L25	
	RB18L25A	
	RB18L40	
	RB18L40A	
	RB18L50	
	RB18L50A	
	RB18L60A	
RB18L90A		
		BCS618G
		BCL14181H
		BCL14183H
		BCL1418IV*
		RC18150U
		RC18627U
		RC18120
		RC18115

\* for vehicles with 12V DC outlets

# EXPLODED DRAWING



# CIRCUIT DIAGRAM



## PARTS LIST

No.	Description	No.	Description	No.	Description	No.	Description
1	Tank and control panel assembly	2-6	Piston rod	3-3	Quick connector	21	Front shroud
1-1	M6 screw	2-7	C-ring	3-4	Air hose for manifold	22	Universal battery foot
1-2	Control panel	2-8	Anti-noise cover	3-5	Safety valve	23	Middle shroud
1-3	Handle grip	2-9	M3 screw	4	Regulator knob	24	Overload protector
1-4	Hose connector for check valve	2-10	Intake shrapnel	5	M4 screw	25	Nylon cable
1-5	Rubber plug for check valve	2-11	Copper plate	6	Hose clamp	26	Battery label
1-6	Spring for check valve	2-12	Piston ring	7	M4 screw	27	Logo label
1-7	Tank assembly	2-13	Rod plate ring	8	Back shroud	28	Drain label
1-8	Drain valve	2-14	Cylinder	9	M4 screw	29	Cordless label
1-9	Pressure switch	2-15	O-ring for valve plate	10	Nylon insert nut M6	30	Warning label
1-10	Rubber feet	2-16	Valve plate	11	M6 screw	31	Weight label
1-11	Flat washer	2-17	Exhaust gasket	12	M6 screw	32	Knob label
1-12	M6 screw	2-18	Exhaust shrapnel	13	Solderless connector	33	Control panel label
1-13	Elbow	2-19	Cylinder head	14	PCBA	34	On-off label
2	Motor and pump assembly	2-20	M4 screw	15	M3 screw	35	Data label
2-1	Motor fan	2-21	Hose iron loop	16	Contact plate holder assembly		
2-2	Motor assembly	2-22	Hose for discharge	17	Terminal wire 1		
2-3	M5 screw, hexagon recess	3	Regulator assembly	18	Terminal wire 2		
2-4	Cam	3-1	Gauge, 14 Bar (210 psi)	19	Switch, on/off rocker type		
2-5	Bearing	3-2	Manifold assembly	20	Terminal wire 3		



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