

Clariflo®



WARNING: Read the instructions before using the machine.

POWER WASHER MODEL NO: JET 9500B

PART NO: 7333521

OPERATION & MAINTENANCE INSTRUCTIONS



ORIGINAL INSTRUCTIONS

GC0521

INTRODUCTION

Thank you for purchasing this CLARKE Power Washer.

This pressure washer is designed for cleaning machines, vehicles, buildings, boats, facades, terraces, gardening tools, etc. by means of a high-pressure water jet (if necessary, with additional cleaning agents).

Only use accessories, replacement parts and cleaning agents recommended by Clarke international.

Before attempting to use this product, please read this manual thoroughly.

GUARANTEE

This product is guaranteed against faulty manufacture for a period of 12 months from the date of purchase. Please keep your receipt which will be required as proof of purchase.

This guarantee is invalid if the product is found to have been abused or tampered with in any way, or not used for the purpose for which it was intended.

Faulty goods should be returned to their place of purchase, no product can be returned to us without prior permission.

This guarantee does not effect your statutory rights.






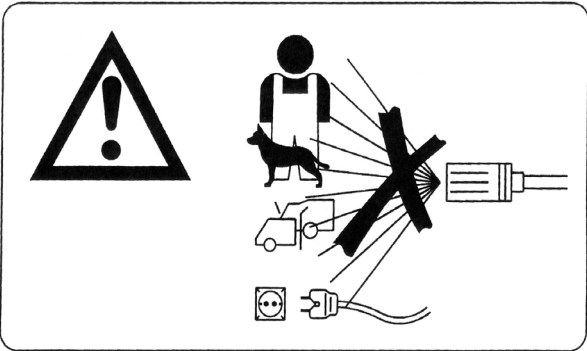
GENERAL SAFETY RULES



WARNING: WATER AT HIGH PRESSURE CAN BE DANGEROUS AND CAN CAUSE DAMAGE IF THE OPERATOR IS CARELESS. NEVER ALLOW ANYONE TO OPERATE THIS PRESSURE WASHER UNLESS THEY ARE FAMILIAR WITH THE SAFETY PRECAUTIONS.

1. **NEVER** direct the spray towards any person or animal.
2. **NEVER** direct the spray towards electrical wiring or equipment.
3. **NEVER** hold your finger over the high pressure nozzle.
4. **NEVER** allow children or untrained personnel to use this machine.
5. **NEVER** operate the machine with any of the covers removed.
6. **NEVER** attempt any repairs to the washer. Always refer to your dealer.
7. **NEVER** supply any liquid other than water to the water inlet.
8. **NEVER** use the detergent bottle to introduce flammable liquids/solvents, e.g. paint thinners, petrol, oil as there is a risk of explosion.
9. **NEVER** use the pressure washer if the supply cable or important parts of the machine are damaged.
10. **ALWAYS** release any residual pressure in the system by turning off the water supply & operating the trigger before disconnecting hoses or accessories.
11. **ALWAYS** keep the machine itself dry and well clear of water spray.
12. **ALWAYS** wear protective clothing and safety glasses. Loose particles and other debris may be propelled at high speed by the water jet.
13. **ALWAYS** grip the gun firmly & expect the spray gun to 'kick' when starting.
14. **ALWAYS** respect the requirements of the local water company. Pressure washers may only be connected to the mains drinking water supply, if a system separator (aka a backflow preventer) is installed in the supply hose.
15. **ALWAYS** disconnect from the water supply, and ensure the system is completely drained when not in use. Store in a cool dry location.
16. **ONLY** use chemical cleaning agents (detergents), that are approved for pressure washers. CLARKE Traffic Film Remover or CLARKE Wash and Wax (available from your dealer), is recommended.
17. **WARNING:** High pressure water jets can be dangerous if subject to misuse. The jet must not be directed at a person or anything that they are wearing.
18. **WARNING:** High pressure hoses, fittings and couplings are important for the safety of the machine. Use only hoses, fittings and couplings recommended by the manufacturer.
19. **WARNING:** Water that has flowed through a system separator (known as a backflow preventer) is considered non-drinkable.

SYMBOLS ON THE MACHINE

	<p>Read the manual before use.</p>		<p>Wear safety glasses when using this machine.</p>
	<p>Failing to follow these instructions could result in injury or damage to the machine.</p>		<p>Conforms to UK regulations</p>
	<p>Conforms to European CE Regulations.</p>		
			<p>The high pressure jet must not be directed at persons, animals, live electrical equipment or at the appliance itself.</p>

ENVIRONMENTAL RECYCLING POLICY



Through purchase of this product, the customer is taking on the obligation to deal with the WEEE in accordance with the WEEE regulations in relation to the treatment, recycling & recovery and environmentally sound disposal of the WEEE.

In effect, this means that this product must not be disposed of with general household waste. It must be disposed of according to the laws governing Waste Electrical and Electronic Equipment (WEEE) at a recognised disposal facility.

ELECTRICAL CONNECTIONS



WARNING: READ THESE ELECTRICAL SAFETY INSTRUCTIONS THOROUGHLY BEFORE CONNECTING THE PRODUCT TO THE MAINS SUPPLY.

Connect the mains lead to a standard, 230 Volt (50Hz) electrical supply through an approved 13 amp BS 1363 plug, or a suitably fused isolator switch.

This product may be fitted with a non-rewireable plug. If it is necessary to change the fuse in the plug, the fuse cover must be refitted. If the fuse cover becomes lost or damaged, the plug must not be used until a suitable replacement is obtained.

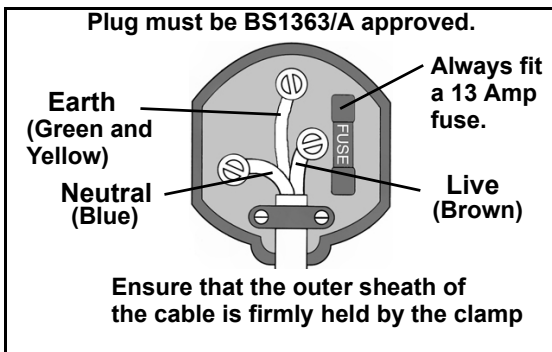
If the plug has to be changed because it is not suitable for your socket, or because of damage, it must be removed and a replacement fitted, following the wiring instructions shown below. The old plug must be discarded safely, as insertion into a power socket could cause an electrical hazard.



**WARNING: THE WIRES IN THE POWER CABLE OF THIS PRODUCT ARE COLOURED IN ACCORDANCE WITH THE FOLLOWING CODE:
BLUE = NEUTRAL BROWN = LIVE YELLOW AND GREEN = EARTH**

If the colours of the wires in the power cable do not agree with the markings on the plug.

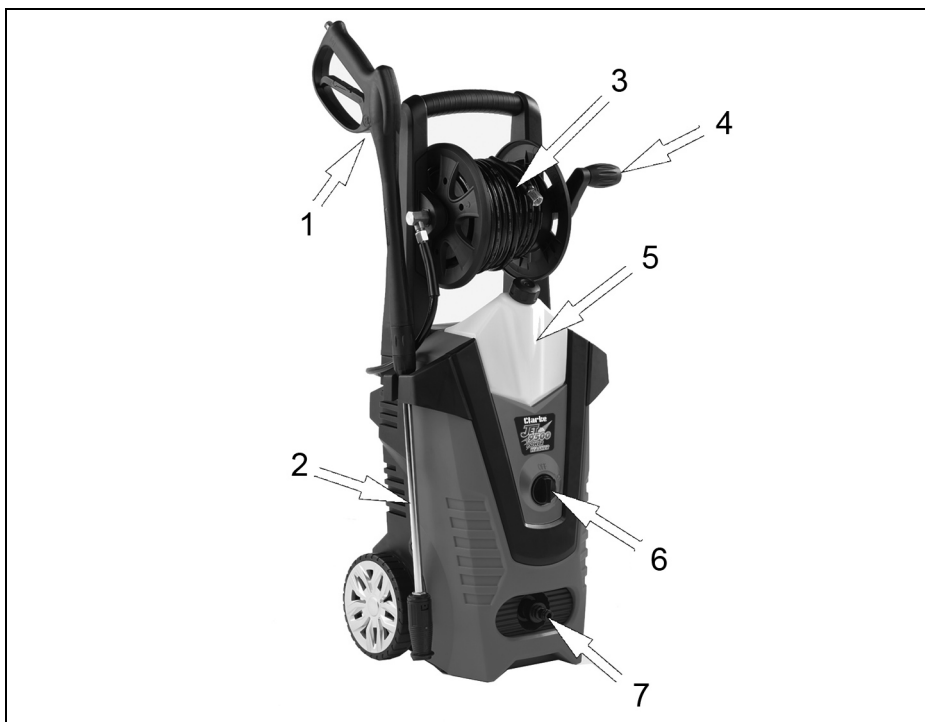
- The BLUE wire must be connected to the terminal which is marked N or coloured black.
- The BROWN wire must be connected to the terminal which is marked L or coloured red.
- The YELLOW AND GREEN wire must be connected to the terminal which is marked E or \perp or coloured green.



We strongly recommend that this machine is connected to the mains supply through a Residual Current Device (RCD)

If you are not sure, consult a qualified electrician. DO NOT try to do any repairs.

OVERVIEW



1	Spray Gun Assembly	5	Detergent Container
2	Lance	6	ON/OFF Switch
3	Hose	7	Mains Water Inlet
4	Reel Handle		

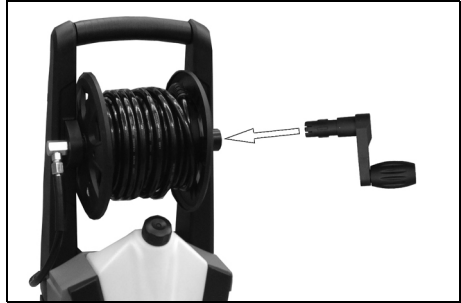
The following items should be supplied in the carton. If any parts are missing or damaged, please see your dealer where you purchased the machine.

1 x Pressure Washer (with integral detergent tank)	1 x Inlet Filter (installed)
1 x Gun Assembly	1 x Pair of Storage Brackets
1 x Lance & Nozzle assembly (with High/Low & Pencil Jet/Fan settings)	1 x Cranking Handle for Hose reel
1 x High Pressure outlet) hose (on reel)	1 x Manual (this document)
1 x Inlet Hose Adaptor (fitted)	1 x Nozzle Cleaning Pin

ASSEMBLY

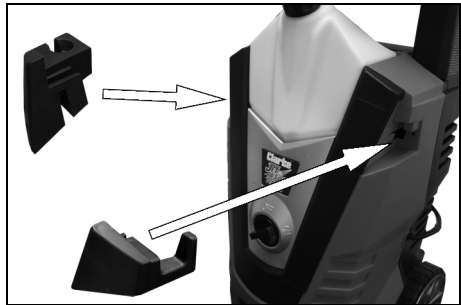
1. Push the handle into the hose reel as shown.

- It will 'click' into place.



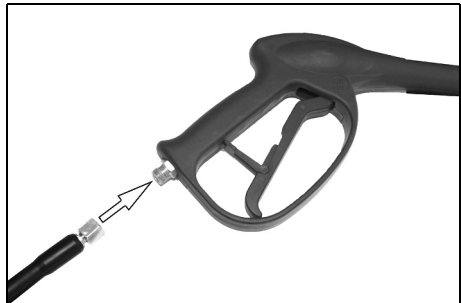
2. Slide the brackets into their positions.

- They will 'click' into place.

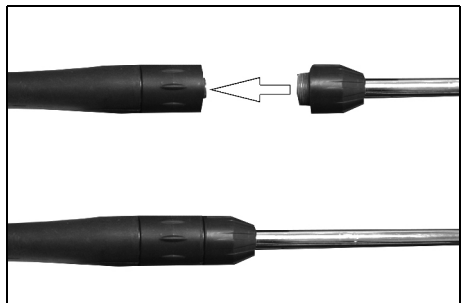


3. Unwind the high pressure hose from the hose reel and connect the hose to the gun.

- Tighten securely with a suitable spanner.



4. Fit the lance to the gun as shown.



CONNECTING THE MAINS WATER SUPPLY

NOTE: Always follow the regulations of your local water supplier.

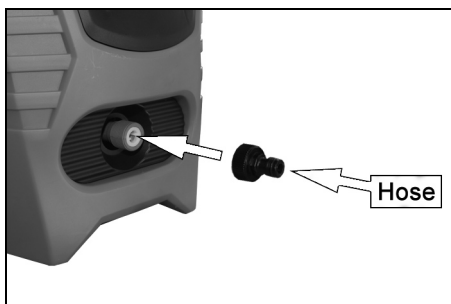
1. Screw the inlet adaptor to the water inlet as shown.
2. Connect the supply hose to the inlet adaptor.

- A standard garden hose or a reinforced hose with an inner diameter of at least 10 mm available from your CLARKE dealer will be suitable.

3. Connect the supply hose to the water supply.

- The water supply must provide a minimum of 7 litres per minute at a maximum of 40°C.

4. Open the water tap fully.



OPERATION

1. Turn the water supply on, making sure that the tap is fully open.



WARNING: FAILURE TO TURN ON THE WATER FULLY COULD CAUSE DAMAGE TO THE POWER WASHER INTERNAL COMPONENTS.

WARNING: DO NOT USE THE POWER WASHER IF THE SUPPLY CABLE OR IMPORTANT PARTS OF THE MACHINE ARE DAMAGED, E.G. SAFETY DEVICES, HIGH PRESSURE HOSES, TRIGGER.

WARNING: WE RECOMMEND THAT THIS MACHINE IS CONNECTED TO THE MAINS SUPPLY VIA A RESIDUAL CURRENT DEVICE (RCD).

2. Plug the mains power cable into the electricity supply.
3. Set the switch to the ON position.



4. Release the trigger lock.
 - The pressure washer is now ready for use.
5. Make sure that you have a firm footing and are also holding the gun and spray lance firmly.
 - The lance and gun will kick back when in use.
6. Pull the trigger on the gun to start water flow.

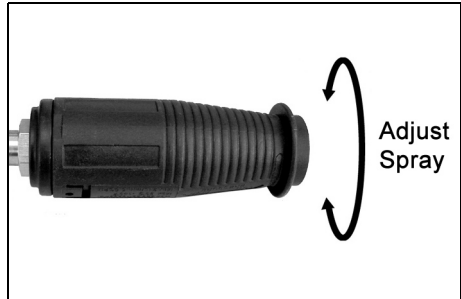


- If you release the trigger the device will switch off again, the system remains under high pressure.
- During longer breaks (more than 5 minutes), turn the pressure washer off. See "Shutting Down" on page 12.

ADJUSTMENTS

TO CHANGE THE SPRAY PATTERN (NARROW JET / WIDE SPRAY)

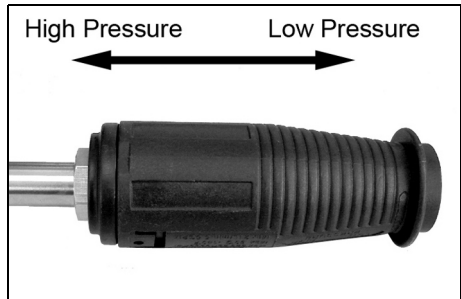
1. Hold the shaft of the lance in one hand.
2. Twist the nozzle with the other hand.
3. To vary the spray between narrow and wide, turn the nozzle counter-clockwise through a half-a-turn (180°).



ADJUSTING THE PRESSURE

Hold the rear of the nozzle and slide the front of the nozzle forwards for low pressure and backwards for high pressure.

Other ways to adjust the pressure include increasing the distance you are from the surface being cleaned and adjusting the spray to a wider angle (lowers the pressure).



USING CHEMICALS AND CLEANING AGENTS

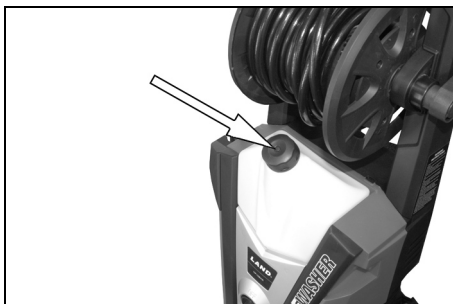
To improve the cleaning performance, you can introduce chemical cleaning agents (detergents) to the water jet using the detergent tank. This is particularly useful when washing cars, greasy engine parts, or removing oil spots on concrete etc.



CAUTION: IF YOUR EYES COME INTO CONTACT WITH ANY CLEANING FLUIDS, RINSE THEM IMMEDIATELY WITH PLENTY OF FRESH CLEAN WATER AND SEEK MEDICAL ADVICE IF REQUIRED.

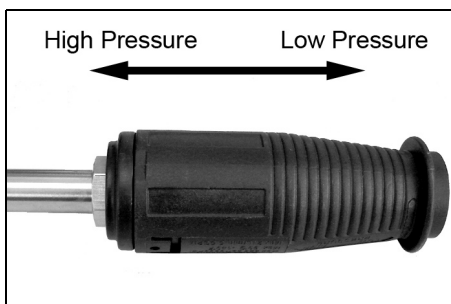
To prepare for detergent application:

1. Remove the detergent filler cap and fill the tank with detergent.
 - Only use detergents recommended for use with pressure washers such as CLARKE Traffic Film Remover for car cleaning, patio cleaning etc., or CLARKE Wash & Wax, both available from your CLARKE dealer.



DESCRIPTION	SIZE	PART NUMBER
Car Wash & Wax Shampoo	5 Litre	3050815
Concentrated Traffic Film Remover	5 Litre	3050821
Concentrated Traffic Film Remover	25 Litre	3050820
Ready To Use Traffic Film Remover	5 Litre	3050818
Ready To Use Traffic Film Remover	25 Litre	3050819

2. Replace the cap.
3. Slide the nozzle forwards to low pressure.
4. Use the pressure washer as normal.



SHUTTING DOWN

When you have finished using the pressure washer, follow the procedure shown below to switch off and disconnect the unit.

1. Set the switch to the OFF position.
2. Turn off the water supply at the tap.



3. Release the pressure in the pump and hose by squeezing the trigger for a few seconds until no more water comes out of the nozzle.
4. Engage the trigger lock.
5. Disconnect from the mains power supply.



6. Wind the hose onto the reel and store the spray gun/lance in the holder on the power washer.



STORAGE PROCEDURE

Make sure that the pressure washer has been thoroughly cleaned before storing it in a clean dry place. See "Maintenance" on page 13.

Avoid storing the power washer at freezing temperatures.

Residual water in the high pressure pump of hose assembly may cause permanent damage to the components if it freezes.

MAINTENANCE

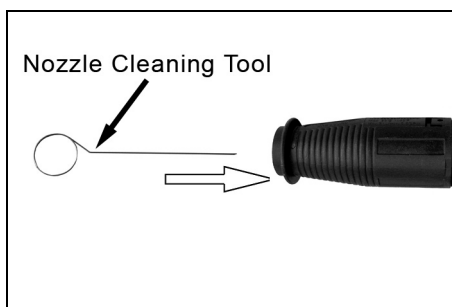


WARNING: THE MACHINE SHALL BE DISCONNECTED FROM THE POWER SUPPLY BY REMOVING THE PLUG DURING CLEANING OR MAINTENANCE AND WHEN REPLACING PARTS.

CLEANING THE NOZZLE

If the nozzle becomes partially clogged with foreign material such as dirt or limescale, excessive pressure may develop and the pump pressure will pulsate. Clean the nozzle immediately as follows:

1. Turn off the power washer and turn off the water supply.
2. Pull the trigger to relieve any water pressure.
3. Disconnect the lance from the spray gun.
4. Remove any obstructions by directing the water supply into the end of the lance for 30 seconds to back flush loose particles.
5. If flushing does not dislodge the obstruction, carefully use the nozzle cleaning tool, to clear the nozzle.
6. Reconnect the lance to the gun and turn on the water supply.

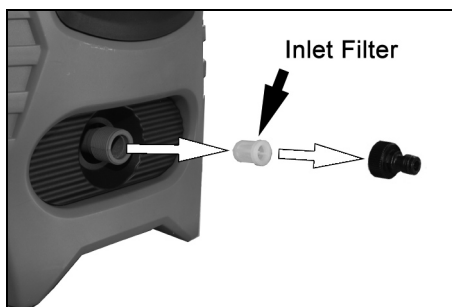


CLEANING THE WATER INLET FILTER

This filter should be checked periodically and cleaned if necessary.

1. Remove the inlet filter from the pressure washer as shown.
2. Clean the filter by flushing both sides with water.
3. Replace the filter into the water inlet.
 - The tapered side faces in.

NOTE: Do not operate the pressure washer without the filter installed.



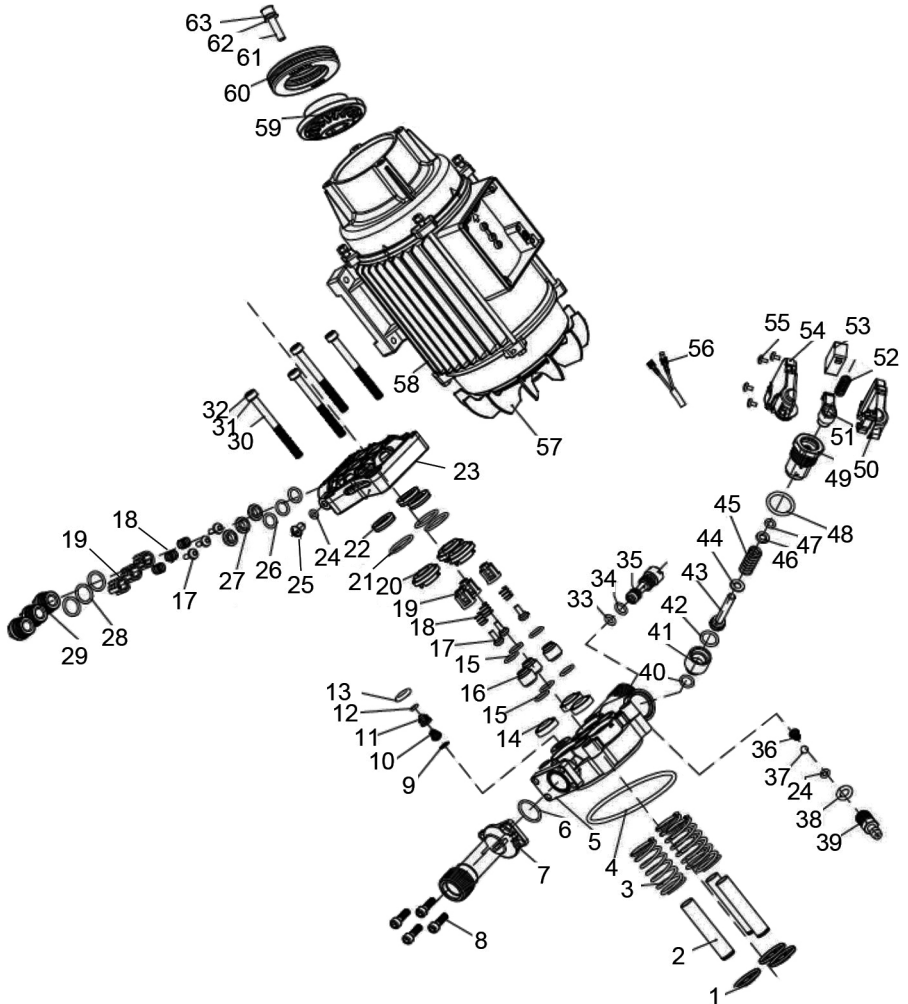
TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE	SOLUTION
No water delivery.	Water filter blocked.	See cleaning the water filter.
	Clogged lance nozzle.	Clean the nozzle.
Low or irregular pressure.	Insufficient water supply.	Check connections.
	Pump taking in air.	Check connections.
	Detergent inlet sucking in air.	Check connections and that detergent supply is topped up.
	Water filter dirty.	Clean or replace.
	Water temperature is too high	Make sure the water supply is below 40 degrees.
Motor suddenly stops.	Thermal protection has activated due to overheating.	Switch off the machine and wait until the unit has cooled down sufficiently.
Pressure fluctuations or pressure drop.	Shortage of water.	Turn water tap on fully.
	No water due to clogged inlet filter.	Clean water inlet filter.
Motor does not start when switched on.	Plug is not connected properly.	Check plug and lead and have them replaced by a qualified electrician if necessary.
	Mains fuse tripped/ blown.	Renew fuse or reset.
Motor hums when trigger operated and does not start.	Mains voltage too low.	Have electrical connection checked.
Motor cuts out.	Motor protection switch has been activated.	Switch off and allow to cool for at least 15 minutes.
	Nozzle partly clogged.	Clean using the supplied nozzle cleaning needle.
Additives are not being supplied.	Detergent container is empty.	Fill detergent container.
	High Pressure is selected.	Set the lance to LOW pressure.

PRODUCT SPECIFICATIONS

Model Number	JET 9500B
Part Number	7333521
Voltage	230V/50Hz
Motor Input Power	2400 W
Duty Cycle	S1 Continuous
Working pressure	130 bar
Maximum pump pressure	200 bar
Maximum output flow rate	7 l/min
Maximum input temperature	40°C
Detergent tank capacity	1.4 l
Sound Pressure Level (L_{PA})	91
Sound Power level (L_{WA})	93
Guaranteed sound power level (L_{WA})	96
Sound Uncertainty Factor K	3
Vibration	2.7 m/s ²
Uncertainty Factor K	1.7
Dimensions (L x W x H)	322 x 380 x 862 mm
Weight	21.6 kg

COMPONENT PARTS



COMPONENT PARTS

No	Description
1	Plunger spring seat
2	Plunger
3	Plunger spring
4	O-ring
5	Pump body
6	O-ring
7	Water input tube
8	Screw (inner hex)
9	Check valve spring seat assy
10	Check valve spring assy
11	Check valve spring spool assy
12	O-ring
13	O-ring
14	Oil seal
15	O-ring
16	Water inlet check valve seat
17	Check valve spool
18	Check valve spring
19	Check valve bracket
20	Plunger bracket
21	O-ring
22	Water seal
23	Pump cover
24	O-ring
25	Screw
26	O-ring
27	Water outlet check valve seat
28	O-ring
29	Water outlet valve plug
30	Bolt (inner hex)
31	Flat washer
32	Spring washer

No	Description
33	O-ring
34	O-ring
35	Venturi tube
36	Cone spring
37	Ss ball
38	O-ring
39	Siphon hose connector
40	O-ring
41	Overflow valve sleeve
42	O-ring
43	Overflow valve spool
44	Limit ring
45	Overflow valve spring
46	Overflow valve washer
47	O-ring
48	O-ring
49	Overflow valve nut
50	Button-microswitch box
51	Microswitch bar
52	Spring-microswitch bar
53	Microswitch
54	Cover-microswitch box
55	Cross self-tapping screw
56	Cable-microswitch
57	Fan
58	Induction motor
59	Wobble plate
60	Bearing
61	Screw (inner hex)
62	Flat washer
63	Spring washer

DECLARATION OF CONFORMITY-EU



Hemnal Street, Epping, Essex, CM16 4JG

DECLARATION OF CONFORMITY

This is an important document and should be retained.

Product Description: Power Washer
Model number(s): JET 9500B
Serial / batch Number: 7333521
Date of Issue: 05/05/2021
(Noise Conformity)
Approval Body: n/a

Technical Documentation Holder: A.R. Pond
Clarke International
2a Strubland Road
London, E10 7RB
UK

Conformity Assessment Procedure: to 20001/4/IEC Annex V
Manufacturer: Clarke International
Noise Related Value: 420 L/h
Measured Sound Power Level: 93 dB
Guaranteed Sound Power Level: 96 dB

JET 9500B UKCA Clarke.DOC (v1.0)

Page 1 of 2



Hemnal Street, Epping, Essex, CM16 4JG

DECLARATION OF CONFORMITY

This is an important document and should be retained.

We hereby declare that this product(s) complies with the following statutory requirements:
Electromagnetic Compatibility Regulations 2016.
Supply of Machinery (Safety) Regulations 2008.
The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012
The Noise Emission in the Environment by Equipment for use Outdoors Regulations 2001.

The following standards have been applied to the product(s):
EN 60335-1:2012+A11:2014, EN 60335-2-79:2012, EN 62233:2008, EN 55014-2:2015,
EN 55014-1:2006 +A1:2009+A2:2011, EN 61000-3-2:2014, EN 61000-3-3:2013.

The technical documentation required to demonstrate that the product(s) meet(s) the requirements(s) of the aforementioned legislation has been compiled and is available for inspection by the relevant enforcement authorities.

The CE mark was first applied in: 2017

Signed:

J.A. Clarke
Director

JET 9500B UKCA Clarke.DOC (v1.0)

Page 2 of 2

DECLARATION OF CONFORMITY-UK



Clarke[®]
INTERNATIONAL
Fitzwilliam Hall, Fitzwilliam Place, Dublin 2

DECLARATION OF CONFORMITY

This is an important document and should be retained.

Product Description: Power Washer
Model number(s): JET 9500B
Serial / batch Number: 733521
Date of Issue: 05/05/2021
(Noise Conformity)
Notified Body: n/a

Technical Documentation Holder: A.R. Pond
Clarke International
2a Strubland Road
London E10 7RB
UK

Conformity Assessment Procedure: to 20001/4/IEC Annex V
Manufacturer: Clarke International
Noise Related Value: 420 L/h
Measured Sound Power Level: 93 dB
Guaranteed Sound Power Level: 96 dB

JET 9500B CE Clarke DDC (r0)

Page 1 of 2



Clarke[®]
INTERNATIONAL
Fitzwilliam Hall, Fitzwilliam Place, Dublin 2

DECLARATION OF CONFORMITY

This is an important document and should be retained.

We hereby declare that this product(s) complies with the following directive(s):
2014/30/EU Electromagnetic Compatibility Directive.
2006/42/EC Machinery Directive.
2011/65/EU Restriction of Hazardous substances.
2000/14/EC Noise Emissions Directive, (amended by 2005/88/EC).

The following standards have been applied to the product(s):
EN 60335-1:2012+A11:2014, EN 60335-2-79:2012, EN 62233:2008, EN 55014-2:2015,
EN 55014-1:2006 +A1:2009+A2:2011, EN 61000-3-2:2014, EN 61000-3-3:2013.

The technical documentation required to demonstrate that the product(s) meet(s) the requirement(s) of the aforementioned directive(s) has been compiled and is available for inspection by the relevant enforcement authorities.

The CE mark was first applied in: 2017

Signed:

J.A. Clarke
Director

JET 9500B CE Clarke DDC (r0)

Page 2 of 2

A SELECTION FROM THE VAST RANGE OF

Clarke®

QUALITY PRODUCTS



AIR COMPRESSORS

From DIY to industrial, Plus air tools, spray guns and accessories.

GENERATORS

Prime duty or emergency standby for business, home and leisure.

POWER WASHERS

Hot and cold, electric and engine driven - we have what you need

WELDERS

Mig, Arc, Tig and Spot. From DIY to auto/industrial.

METALWORKING

Drills, grinders and saws for DIY and professional use.

WOODWORKING

Saws, sanders, lathes, mortisers and dust extraction.

HYDRAULICS

Cranes, body repair kits, transmission jacks for all types of workshop use.

WATER PUMPS

Submersible, electric and engine driven for DIY, agriculture and industry.

POWER TOOLS

Angle grinders, cordless drill sets, saws and sanders.

STARTERS/CHARGERS

All sizes for car and commercial use.

PARTS & SERVICE: 0208 988 7400

Parts Enquiries
Parts@clarkeinternational.com

Servicing & Technical Enquiries
Service@clarkeinternational.com

SALES: UK 01992 565333 or Export 00 44 (0)1992 565335

Clarke INTERNATIONAL Hemnall Street, Epping, Essex CM16 4LG
www.clarkeinternational.com