

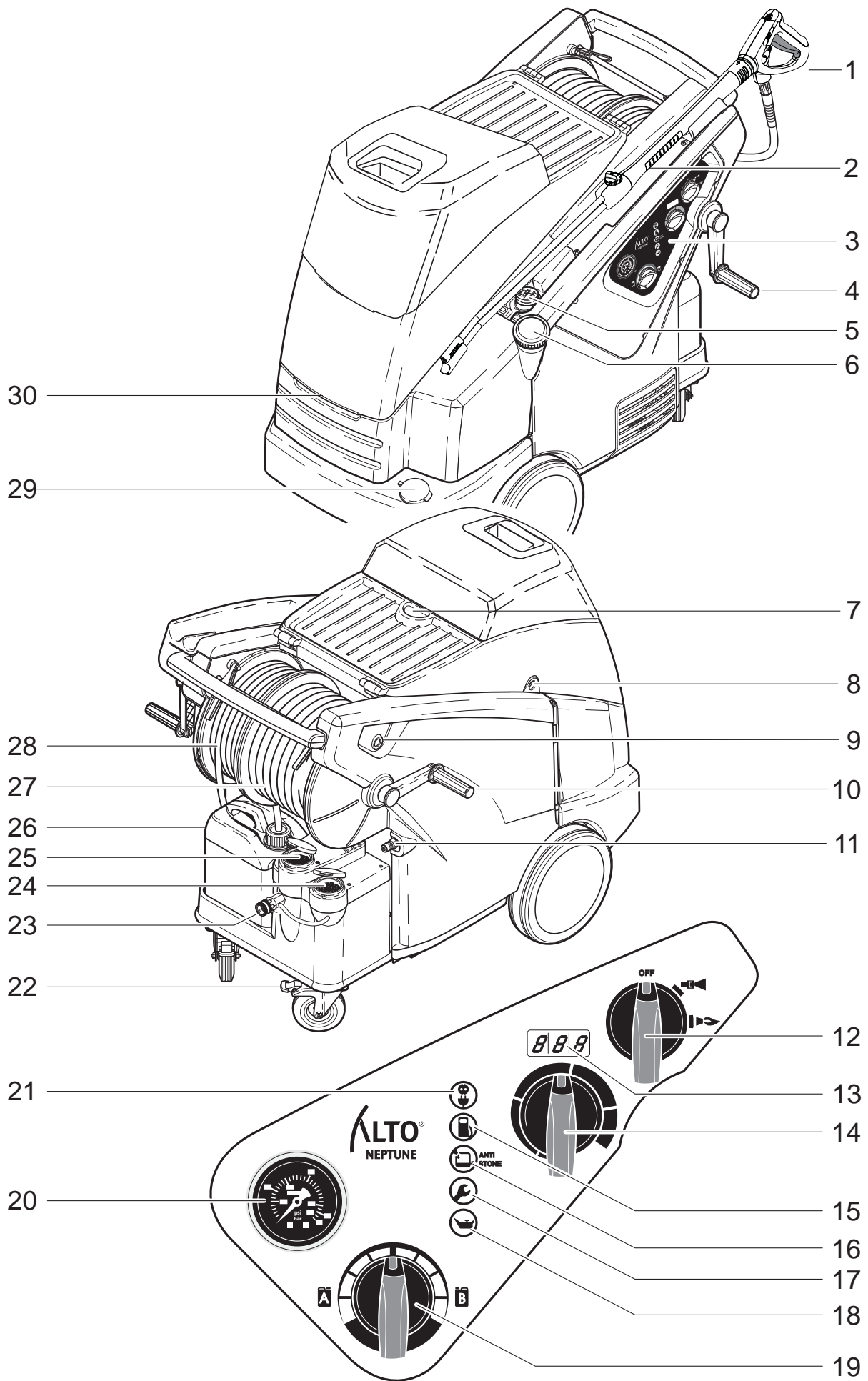


NEPTUNE 7 FA

Quick start guide



Nilfisk
ALTO
Why Compromise



Quick start guide

Prior to using the appliance for the first time, be sure to read this document through.

Besides the operating instructions and the binding accident prevention regulations valid in the country of use, observe recognised regulations for safety and proper use.

This quick start guide does not replace the separate operating instructions, which describes the appliance in detail. The operating instructions also contain further information on the operation, maintenance and repair of the appliance.

You can find operating instructions on the CD or download from our web site at www.nilfisk-alto.com.

Purpose

This high-pressure cleaner has been designed for professional use. It can be used for cleaning agricultural and construction equipment, stables, vehicles, rusty surfaces, etc.

The cleaner has not been approved for cleaning surfaces which comes into contact with food.

Always use the cleaner as described in these operating instructions. Any other use may damage the cleaner or the surface to be cleaned or may result in severe injury to persons.

For your own safety

The appliance must

- only be used by persons, who have been instructed in its correct usage and explicitly commissioned with the task of operating it
- only be operated under supervision
- not be used by children
- not be used by mentally or physically disabled persons.

CAUTION

- High pressure jets can be dangerous. Never direct the water jet at persons, pets, electrical equipment or the machine itself.
- Be aware when cleaning delicate parts made of rubber, fabric, etc. with the high pressure cleaner. Keep some distance between high pressure nozzle and surface in order to prevent the surface from damage.
- During operation of the cleaner, recoil forces are produced at the spraying device. It must therefore be held firmly in both hands.
- Wear goggles during operation.
- The operator and anyone in the immediate vicinity of the site of cleaning should take action to protect themselves from being struck by debris dislodged during operation.
- Never use the machine in an environment where there could be a danger of explosion.
- Risk of explosion – Do not use the cleaner to spray with flammable liquids.
- It is not allowed to clean asbestos-containing surfaces with high pressure.
- Check that cleaning will not result in dangerous substances (e.g. asbestos, oil) being washed off and harming the environment.
- Only use correct fuel as specified. Improper fuels can cause severe hazard.
- Ensure that any exhaust emissions are not in a vicinity of air intakes.
- Because of exhaust emissions, airborne dust and aerosols, use proper safety gear when necessary.
- Do not operate the cleaner in inadequately ventilated rooms.
- Do not touch, cover or place hose or power cord over the chimney.
- Do not tie the trigger handle open.
- Do not use any unsafe work techniques.
- Do not use the high-pressure hose for lifting loads.
- Operate the cleaner in the intended upright position only.
- High pressure hoses and couplings are safety relevant. Only use parts recommended by your Nilfisk ALTO dealer.

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Maintenance guidelines

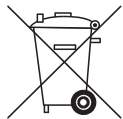
To avoid hazards, damaged parts must be replaced either by your Nilfisk ALTO dealer, their customer service or a similarly qualified person.

Ensure that the machine is regularly serviced by authorised Nilfisk-ALTO dealers in accordance with the maintenance plan. Failure to do so will invalidate the warranty.

The cleaner must be disconnected from its power source during cleaning of the machine, maintenance, when replacing parts or converting the machine to another function.

Recycling the cleaner

Make the old cleaner unusable. Unplug the cleaner and cut the power cord.



Do not discard of electrical appliances with household waste.

As specified in European Directive 2002/96/EC on old electrical and electronic appliances, used electrical goods must be collected separately and recycled ecologically.

Contact your local authorities or your nearest dealer for further information.

Guarantee

Our general conditions of business are applicable with regard to the guarantee. Subject to change as a result of technical advances.

The guarantee is invalidated if the machine is not operated in accordance with these instructions or otherwise abused. The guarantee is invalidated if the machine is not serviced as described.

Operation

Before starting up the cleaner each time, please check it carefully for any defects. Always check for sufficient levels of fuel, oil and AntiScale. Also check the high pressure hose and gun, the insulation of the electric cable should be faultless and without any cracks.

NOTE

To achieve a long life and avoid problems with dirt in the gun and lance, the coupling and nipple have to be kept clean.

Operating elements

See fold-out page at front of these operating instructions.

1. Spray lance, gun and hose
2. Spray lance storage
3. Control panel
4. Crank handle for high pressure hose reel¹⁾
Cord reel¹⁾
5. Fuel level gauge
6. Tank filler for fuel
7. Receptacle for service crane and lifting ring¹⁾
8. Top cover release
9. Service door release
10. Crank handle for high pressure hose reel¹⁾
11. High pressure hose connection for machines without hose reel
12. Main switch ON/OFF - cold water/hot water
13. Display (Temperature or Codes)
14. Temperature control
15. Low fuel indicator
16. Low Nilfisk-ALTO AntiStone (Anti-Scale) indicator
17. Service interval due/expired
18. Pump oil low
19. Detergent metering knob
20. Pressure gauge
21. Power ON
22. Castor with parking brake
23. Water supply connection
24. Tank filler for anti-freeze
25. Tank filler for Nilfisk-ALTO Anti-Scale
26. Canister for detergent B¹⁾
27. High pressure hose reel¹⁾
28. Power cord reel¹⁾
29. Tank filler for detergent A
30. Grip for top cover

Electrical connection

Some models have the ability to be used on either 230 Volt or a 440 Volt power supply. On these models confirm that the voltage selector switch is in the proper position to match the power supply. Otherwise damage to machines electrical components may occur.

The following should be observed when connecting the high pressure washer to the electric installation:

- Only connect the machine to an installation with earth connection.
- The electric installation shall be made by a certified electrician.
- According to IEC 60364-1 it is strongly recommended that the electric supply to this machine should include a residual current device (GFCI).

CAUTION

- Do not damage the mains power lead, e.g. by driving over it, pulling or crushing it.
- Disconnect the power cord by pulling the plug only, do not pull or tug the power cord.

Extension cables

Cables on drums should always be completely unwinded to prevent the cable from overheating. Extension cables should be of a watertight construction and comply with the below-mentioned requirements for length and cable dimensions.

Cable length m	Cross section	
	<16 A	<25 A
up to 20 m	ø1.5mm ²	ø2.5mm ²
20 to 50 m	ø2.5mm ²	ø4.0mm ²

CAUTION

- Cable connections should be kept dry and off the ground.

Water connection

This high pressure washer/cleaner is only allowed to be connected with the drinking water-mains, when an appropriate backflow preventer has been installed, Type BA according to EN 1717. If the backflow preventer hasn't been supplied, one can be ordered from your Nilfisk ALTO dealer. As soon as water has flown through the BA valve, this water is not considered to be drinking water any more.

The length of the hose between the backflow preventer and the high pressure washer must be at least 12 metres (min diameter 3/4 inch) to absorb possible pressure peaks.

In the case of poor water quality (sand, etc.) add a water filter to the machine.

Rinse the water supply hose briefly in order to prevent sand and other dirt particles entering into the machine.

Operation by suction (for example from a rain-water vessel) is carried out without backflow preventer. Contact your Nilfisk ALTO dealer for suction set recommendations.

Transport and storage

For safe transport in and on vehicles we recommend to prevent the equipment from sliding and tilting by fixing it with belts.

- Do not tilt the machine.
- Run the machine to empty the break tank and de pressurise the high pressure hose by squeezing the trigger.

For transport and storage at temperatures around or below 0°C, anti-freeze liquid should be drawn into the pump beforehand.

CAUTION

Do not hold the plastic tank to lift the machine as it could become detached from the frame.

The best places to hold the machine are

- on the handle
- on the frame between the front wheels and the guide rollers.

EN

Before starting the cleaner

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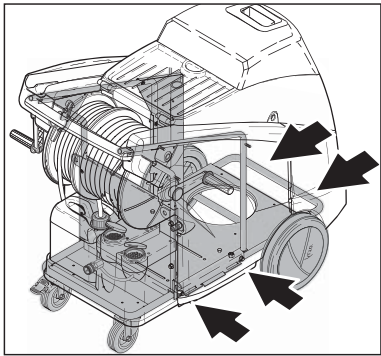
ES

PT

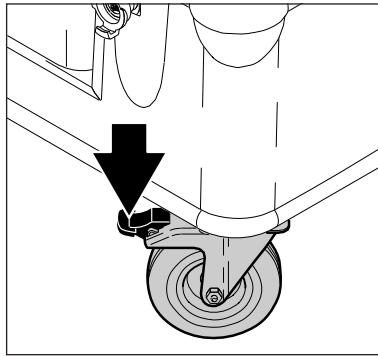
EL

TR

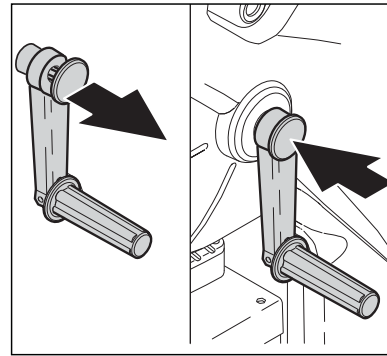
JA



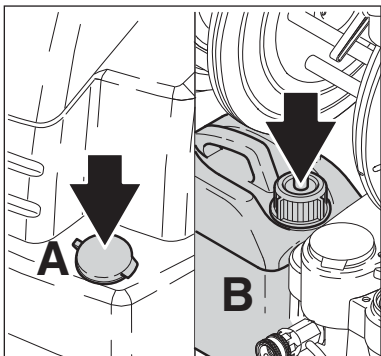
Transport



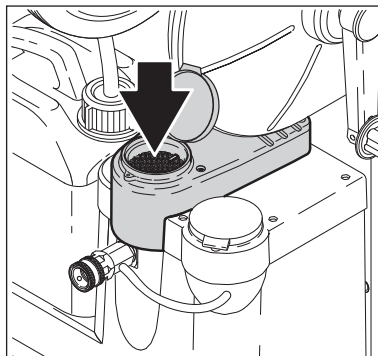
Set the brake



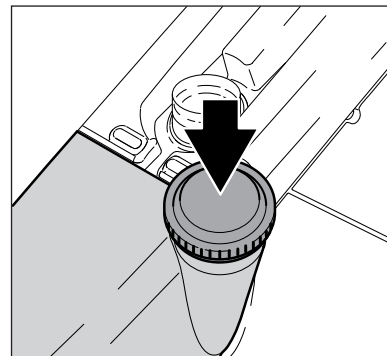
Install Crank handle for high pressure hose reel/cord reel



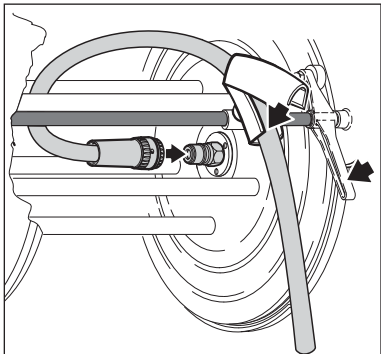
Fill up detergent tanks



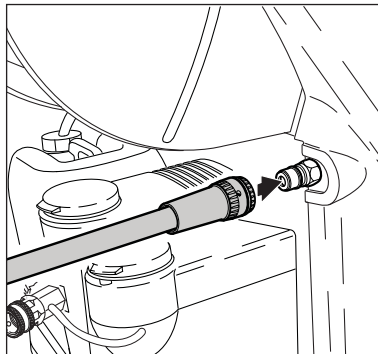
Fill up tank for Nilfisk-ALTO AntiStone (Anti-Scale)



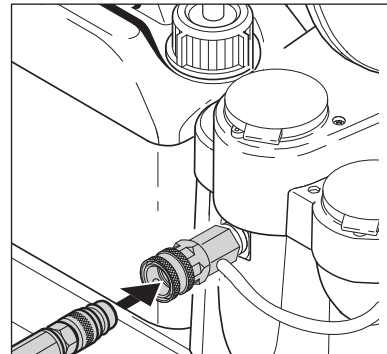
Fill up fuel tank



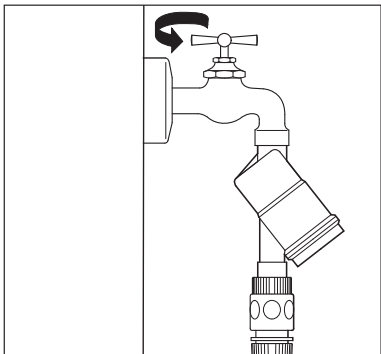
Machines with high pressure hose reel ¹⁾



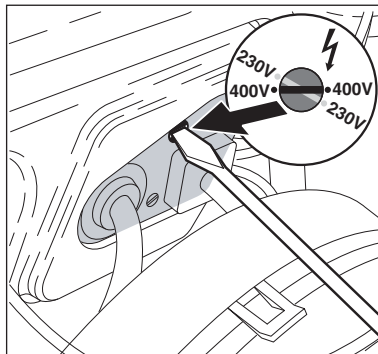
Machines without high pressure hose reel ¹⁾



Connecting the water supply

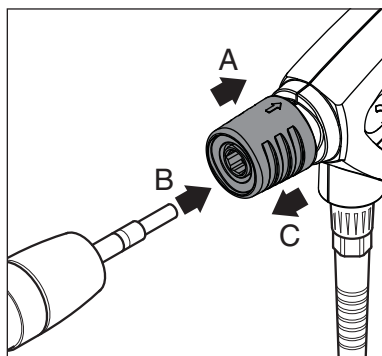


Water connection

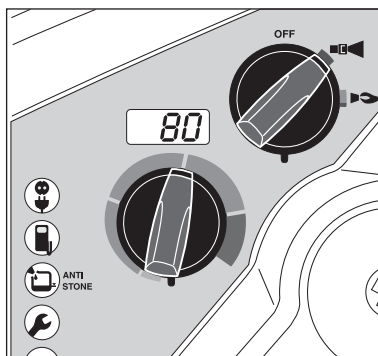


Electrical connection

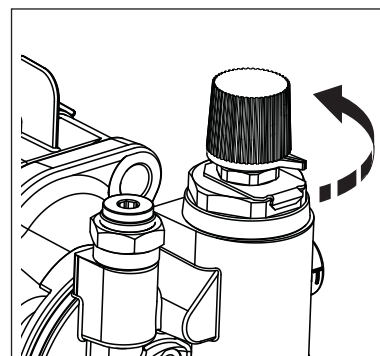
Control / Operation



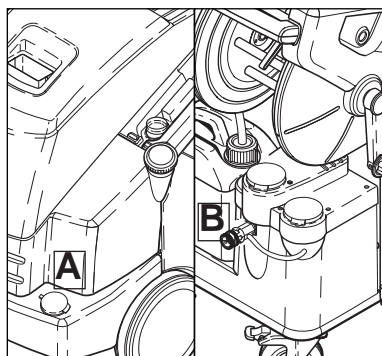
Connecting the spray lance to the spray gun



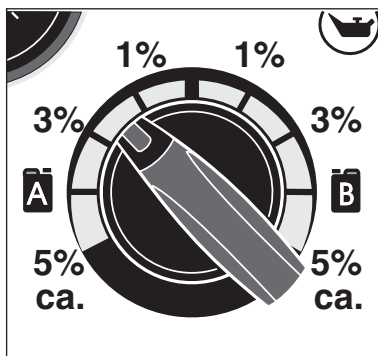
Cold water operation / Hot water operation (up to 100°C)



Steam operation over 100°C (212°F)



Using cleaning agents



EN

DE

FR

NL

IT

NO

SV

DA

FI

SL

HR

SK

CS

PL

HU

RU

ES

PT

EL

TR

JA

EU Declaration of Conformity

Product

High Pressure Cleaner



Type

NEPTUNE 7

Description

200 / 3~ / 50Hz

200 / 3~ / 60Hz

220V / 1~ / 60Hz

220/440V / 3~ / 60Hz

400V / 3~ / 50Hz

440/220 / 3~ / 60Hz

The design of the unit corresponds to the following pertinent regulations

EC Machine Directive 98/37/EG,

EC Low-voltage Directive 73/23/EG,

EC EMV Directive 89/336/EG

Applied harmonised standards

EN 12100-1, EN 12100-2, EN 60335-2-79, EN 55014-1,

EN 55014-2, EN 61000-3-2

A handwritten signature in cursive script, appearing to read 'Anton Sørensen'.






















Anton Sørensen

General Manager EAPC

Technical Operations

Brøndby, 2010-06

Technical data

Neptune 7 FA							
			7-58 / 7-58X	7-63	7-63	7-63	7-66
Voltage 200 / 3~ / 50Hz				(JP)			
Voltage 200 / 3~ / 60Hz				(JP)			
Voltage 220V / 1~ / 60Hz				(US)			
Voltage 220/440V / 3~ / 60Hz							(US)
Voltage 400V / 3~ / 50Hz						(EU)	
Voltage 440/220 / 3~ / 60Hz							(KR)
Fuse (slow)		A	30	30	16	16	30
Power rating		kW	6.6	8.3	8.3	9.3	9.1
Working pressure		bar/MPa	159/15.9	175/17.5	175/17.5	175/17.5	214/21.4
Permissible pressure		bar/MPa	250/25				
Volume flow max.		l/h	1200	1260	1260	1260	1200
Volume flow Q_{IEC}		l/h	1135	1170	1170	1170	1135
T max		°C	90	90	90	90	90
T max steam		°C	140	140	140	140	140
Permissible temperature		°C	90-140	90-140	90-140	90-140	90-140
Max. water inlet temperature		°C	40	40	40	40	40
Max. water inlet pressure		bar/MPa	10/1				
Dimensions l x w x h		mm	1190 x 702 x 1020	1190 x 702 x 1020	1190 x 702 x 1020	1190 x 702 x 1020	1190 x 702 x 1020
Weight		Kg	217 / 220(X)	217	217	224	217
Calculated sound pressure at a distance of 1 m EN 60704-1 $L_{pA} \pm K_{pA} *$		dB(A)	76.6 ± 1,5	76.6 ± 1,5	76.6 ± 1,5	76.6 ± 1,5	76.6 ± 1,5
Sound power level $L_{WA} MAX$ including $K_{WA} = 1,5dB *$		dB(A)	91.7	91.7	91.7	91.7	91.7
Recoil forces		N	52	60	61	60	65
Fuel tank		l	35				
Detergent tank A/B		l	15/10				
Oil quantity		l	1.0				
Oil type			Castrol AlphaSyn-T ISO 150				

