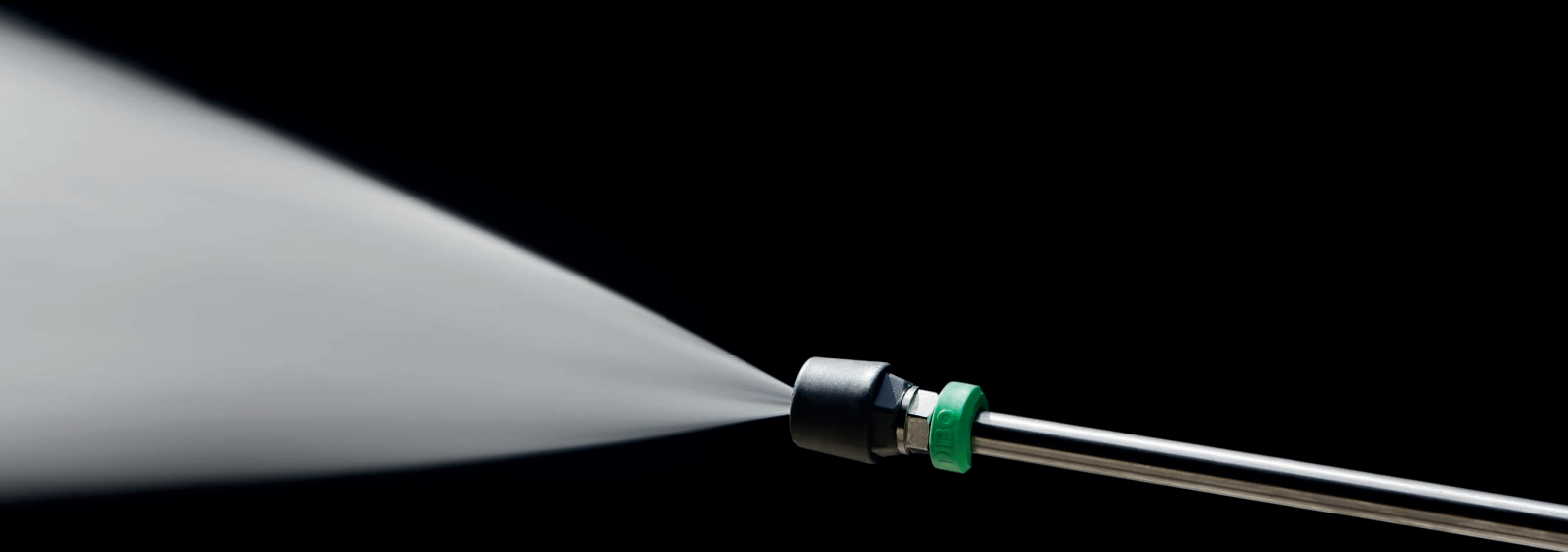


# HIGH PRESSURE CLEANERS

Professional use - INTENSIVE


























# Foreword

With this catalogue we would like to give you an overview of the complete range of DiBO cleaning machines. All developed and produced by DiBO in its own factory.

- This catalogue is published by DiBO BV on 01/03/2022. (V.01/2022)
- Prices and products that are not mentioned in this catalogue are available on demand.
- ‘Supplement’ indicates a part that has to be ordered together with the machine itself.
- For service, commencement of operation, prices are only available on request.
- This catalogue replaces all the previous editions published by DiBO BV.
- The pictures and illustrations in this catalogue are there to facilitate the search and therefore they are not binding.
- We preserve the rights to change the prices, the models, technical specifications, the measurements and the weights.
- In this catalogue we use icons for technical indications, you can find the explanation below.

## Icons

|   |                       |   |                                  |   |                              |
|---|-----------------------|---|----------------------------------|---|------------------------------|
|    | Code                  |    | Li-ion battery                   |    | Detergent tank capacity      |
|    | Description           |    | Power heating element            |    | Water softener tank capacity |
|   | Operating pressure    |   | Burner boiler rating             |   | Hose length                  |
|  | Water throughput      |  | Maximum water supply temperature |  | Length power cable           |
|  | Consumed power        |  | Water temperature                |  | Dimensions                   |
|  | Number of revolutions |  | Float tank capacity              |  | Weight                       |
|  | Motor rating          |  | Fuel tank capacity               |  | Nozzle                       |
|  | CNG-Motor rating      |  | CNG tank capacity                |   |                              |

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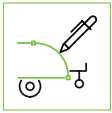
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# Product features



## Modern design

Our machines are invariably designed and developed with functionality and ease of use in mind. (With storage options for electric cable, hoses, lances and accessories.)

### Advantages:

- Ergonomic
- Aerodynamic where needed (high-pressure trailers)
- Practical and user-friendly
- Attractive appearance



## Digital display with joystick operation

The digital display continually shows the status of the machine. The user has constant info on pressure and temperature, the fuel and water level (+ versions), hour counter, instructions for use, maintenance info, failure reports and service functions. Everything can be set with the joystick and one can navigate between the different screens.

### Advantages:

- Simple and intuitive
- Everything visible in one glance
- Easy to operate with gloves
- Simple setting of the temperature (exact & constant)
- Maintenance of the machine is also easy thanks to the info and instructions

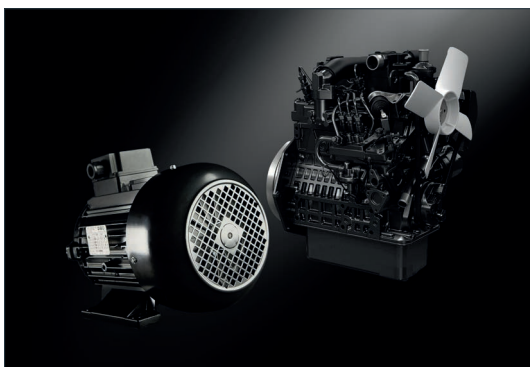


## Motor with low speed

The Motors have a low speed – so the pumps also run at low speed.

### Advantages:

- Long life
- Less wear

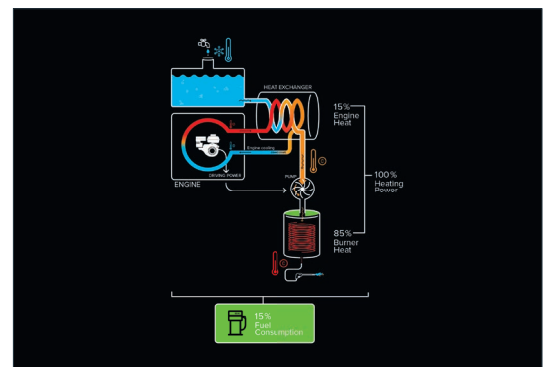


## Heat-exchanger

Water-cooled industrial diesel motor with extra pre-heating of the supply water through a heat-exchanger.

### Advantages:

- 15% extra fuel saving



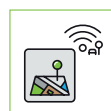


### TC system

The DiBO TC system (Temperature Control) incorporated in the low pressure function (= WK function) ensures that the operating temperature of the water arriving on the weeds is a constant 99 °C, the ideal temperature for killing weeds. The system automatically adjusts the flow rate of the water to guarantee this constant operating temperature.

#### Advantages:

- The machine is faster at the desired temperature to effectively fight weeds → you can start to work faster
- Prevents uneven results



### Track & Trace System

The DiBO track & trace system enables the user to perfectly monitor the status of the machine using a desktop, tablet or smartphone → Real-Time Monitoring System (RTMS)

#### Advantages:

- Identification of exact machine location
- Failures visible remotely
- Burner & machine working hours displayed
- Receipt of notification for servicing
- History of driven routes, locations, mileage reading and failures

Option to order at purchase

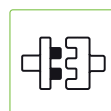
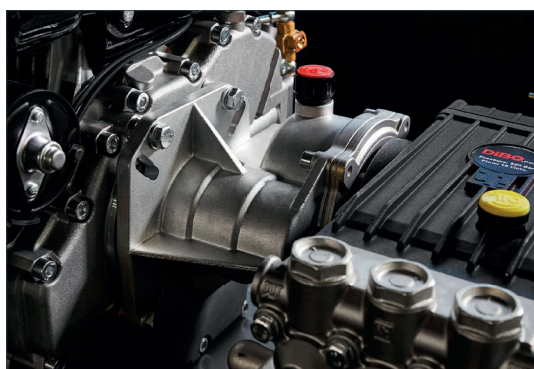


### Motor pump coupling using reduction gearbox

The fuel motors run at a higher speed than the pumps. As a result it is necessary to reduce the speed by an oil-lubricated and cooled reduction gearbox.

#### Advantages:

- Less loading of both pump and motor
- Long life
- Fewer maintenance costs



### Flexible motor/pump coupling

Our motors are not directly connected to the pumps but mostly by means of a rubber flexible coupling.

#### Advantages:

- Less vibration
- No friction wear on the coupling
- Long life





### Radial high-pressure pump

At DiBO we attach great importance to the quality of the pump. All our machines are provided with a radial high-pressure pump. Crank pump technology, a simple way to power solid ceramic plungers, means these pumps are less subject to wear.

#### Advantages:

- Fewer moving parts, so fewer parts subject to wear
- Less vibration, so lower noise production
- Long life
- Low cost of maintenance
- Exceptionally efficient
- Pumps also run at low speed → The perfect combination with the low-speed motors



### GreenBoiler

The GreenBoiler is a high tech heating system designed by DiBO that is available in three versions: 50 kW, 70 kW and 110 kW.

#### Advantages:

- Fuel savings to 18%
- Environmentally friendly
- Low maintenance costs
- High efficiency (>92%)
- Low CO2 emissions
- Stainless steel inner boiler
- Pre-formed bottom
- Efficient heat-exchanger
- Low flue temperature



### High quality materials

- Stainless steel in combination with double-walled polyethylene
- Stainless steel in combination with double-walled polyester

#### Advantages:

- Resistant to knocks
- Very strong
- Colourfast
- Noise-insulating



### Robust frame

A powder-coated, thick-walled steel frame forms the solid base for the machine.

#### Advantages:

- Impact-resistant
- Resistant to corrosion
- Indestructible





### GreenBoiler- CNG

Is a 70 kW environmental friendly boiler that runs on CNG gas.

#### Advantages:

- lower fuel costs
- even more environmentally friendly
- lower maintenance costs
- higher efficiency (>93%)
- Stainless steel inner boiler and coil
- 45% lower NOx emissions
- 55% lower CO emission emissions
- Significant advantages compared to the GreenBoiler (diesel)
- Stainless steel inner boiler
- Pre-formed bottom
- Efficient heat-exchanger
- Low flue temperature



### Steam function

Steam cleaning is a fast, extremely effective and environmentally friendly method to guarantee thorough cleaning. The high temperature (140 ° C) means soiling is easily detached and pathogens, bacteria and viruses are deactivated. Steaming is also a very gentle cleaning technique with no excessive pressure used (maximum 30 bar) and low water consumption.

#### Advantages:

- a very gentle cleaning technique
  - low water consumption
  - high temperature: 140 ° C (at 30 bar)
- Option to order at purchase

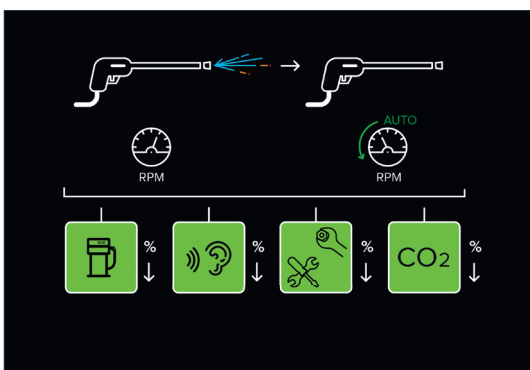


### Automatic idling speed

Fuel motors fitted by DiBO with automatic idling speed. (only for the «+» version)

#### Advantages:

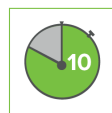
- Lower fuel consumption
- Fewer CO2 emissions
- Less wear
- Less noise production



### 5 Year warranty

Our products are designed and manufactured in line with **the highest quality standards**. That is why we are pleased to offer a **5-year standard guarantee** on our high-pressure cleaners.

To have your guarantee take effect, you must carefully read all the guarantee conditions as specified in the manual supplied with the machine. In addition, register your machine online through your customer or dealer account. (Dealer Login) The guarantee is no longer applicable if our guarantee conditions are not complied with.



### Use

Meaning: the machine is designed to clean for 10 or 12 hours.



# ECN-S



The **ECN-S** is a compact cold water high pressure cleaner made up of high-quality components complying with DiBO's rigid quality standards.

By using a new type radial high pressure pump with 3 ceramic plungers, there are fewer vibrations which results in a very noiseless machine.

Suitable for a wide range of cleaning jobs.

## EXCLUSIVE TECHNOLOGIES



Modern design



High quality materials



Robust frame



Radial high-pressure pump



Motor with low speed



5 Year warranty



10h use

## PRODUCT SPECIFICATIONS

- Modern ergonomic design
- A powder-lacquered steel frame → prevention from corrosion and robust
- High quality materials: UV-resistant and thick walled rotation casted polyethylene in combination with stainless steel → very solid, colourfast and scratch protection and no corrosion
- 2 integrated lance holders → ergonomic
- Large and sturdy wheels → mobile
- Height adjustable handle from 100 up to 110 cm → very userfriendly
- Easy storage of the electric cable

## STANDARD EQUIPMENT

| Code            | Item description   |
|-----------------|--|
| 1.205.520.020   | High pressure hose (5/16", 10 m) → extended reach  |
| 1.208.630.xxxxx | Double stainless steel spray lance with low and high pressure nozzle and rotating quick coupling (only on < 320 bar and < 41 l/min) → chemicals and stepless pressure regulation |
| 1.211.5xx       | High pressure gun with swivel → large manoeuvrability of the wash gun  |



1.205.520.020



1.208.630.xxxxx



1.211.5xx

Subject to change

## TECHNICAL SPECIFICATIONS

- Radial high pressure pump with 3 ceramic plungers and stainless steel valves → fewer vibrations and less noise
- Low-speed electric motor (1450 rpm) → less wear
- Automatic start/stop system with 30 s shut-down-delay
- Pressure gauge
- Coarse particle filter
- On/Off switch

- Pressure control valve to adjust the operating pressure
- Detergent injector (not on models with (!))










Note:

Monophase machines work as standard at 1 x 230 V - 50 Hz.

3-phase machines work standard at 3 x 400 V - 50 Hz.

Other versions on request.

## MODELS

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|---|---|---|---|---|---|---|---|--|---|---|---|---|---|
| Code  | Description   | bar   | l/h   | °C  | kW  | V   | A   | rpm  | m   | m   | mm  | kg  |   |
| 1.105.055   | ECN-S 130/10  | 30 - 130  | 600   | 40  | 3   | 1 x 230 - 50 Hz   | 13  | 1450   | 5   | 10  | 765 x 530 x 1100  | 59  | 040   |
| 1.105.140   | ECN-S 160/20  | 30 - 160  | 1200  | 40  | 7   | 3 x 400 - 50 Hz   | 11  | 1450   | 5   | 10  | 765 x 530 x 1100  | 77  | 075   |
| 1.105.280   | ECN-S 180/13  | 30 - 180  | 780   | 40  | 5.2   | 3 x 400 - 50 Hz   | 8   | 1450   | 5   | 10  | 765 x 530 x 1100  | 67  | 045   |
| 1.105.300   | ECN-S 210/15  | 30 - 210  | 900   | 40  | 7   | 3 x 400 - 50 Hz   | 11  | 1450   | 5   | 10  | 765 x 530 x 1100  | 72  | 045   |

## OPTIONAL ACCESSORIES

| Code            | Item description  |
|-----------------|---|
| 1.205.025       | Hose reel set with hose reel (20 m, < 260 bar)  |
| 1.205.520.xxx   | High pressure extension hoses with quick release (10-25 m, ≤ 250 bar)                       |
| 1.238.520.xxxxx | Sewer hoses with nozzle and rotating quick coupling (10-25 m, ≤ 200 bar)                    |
| 1.208.828.xxxxx | Flexible spray lance with high pressure nozzle (850 mm, ≤ 200 bar)                          |
| 1.258.220.xxxxx | High pressure grit blasting lance with flat jet nozzle and suction hose (900 mm, ≤ 250 bar) |
| 1.244.251       | Foam lance with 1l tank and quick release (200 mm, ≤ 250 bar)                               |

# ECN-M



The **ECN-M** is a powerful industrial high pressure cleaner can be deployed in various sectors for heavy cleaning tasks.

This model is available in different engine/pump combinations to supply high pressures and/or large quantities of water.

For each application there is a suitable machine, that can be used in the agricultural sector, horticulture, forestry, construction, ... and for lots of other industrial cleaning.

## EXCLUSIVE TECHNOLOGIES



Modern design



High quality materials



Robust frame



Radial high-pressure pump



Motor with low speed



Flexible motor/pump coupling



5 Year warranty



12h use

## PRODUCT SPECIFICATIONS

- Modern ergonomic design
- A powder-lacquered steel frame → prevention from corrosion and robust
- High quality materials: UV-resistant and thick walled rotation casted polyethylene in combination with stainless steel → very solid, colourfast and scratch protection and no corrosion
- 2 integrated lance holders → ergonomic
- Large and sturdy wheels → mobile
- 2 integrated brackets
- Quick-connect couplings for replacing accessories
- Integrated lifting eye, so the machines can also easily be lifted by a crane

## STANDARD EQUIPMENT

| Code            | Item description   |
|-----------------|--|
| 1.216.769.xxxxx | Single stainless steel lance with high pressure nozzle and rotating quick coupling (only on: ≥ 320 bar en 41 l/min)  |
| 1.208.630.xxxxx | Double stainless steel spray lance with low and high pressure nozzle and rotating quick coupling (only on ≤ 320 bar and < 41 l/min) → chemicals and stepless pressure regulation |
| 1.208.729.xxxxx | Single stainless steel lance with rotating high pressure nozzle and rotating quick coupling → powerful water jet (only on ≤ 320 bar and < 41 l/min)                              |
| 1.211.5xx       | High pressure gun with swivel → large manoeuvrability of the wash gun  |
| 1.208.xxx.020   | High pressure hose (3/8", 10 m) → extended reach   |



1.216.769.xxxxx



1.208.729.xxxxx



1.208.630.xxxxx



1.211.5xx  
Subject to change

## TECHNICAL SPECIFICATIONS

- Low-speed electric motor (1450 rpm) → less wear
- Flexible engine/pump coupling → silent operation and protection of the electric motor
- Radial high pressure pump with 3 ceramic plungers and stainless steel valves → fewer vibrations and less noise
- Automatic start/stop system with 30 s shut-down-delay
- Pressure gauge
- Coarse particle filter
- Foot main switch - ON/OFF
- Pressure control valve to adjust the operating pressure
- Detergent injector (not on models with (!))

## MODELS

| Code         | Description  | bar    | l/h      | °C | kW   | V                | A  | rpm  | m | m  | mm            | kg  |     |
|--------------|--------------|--------|----------|----|------|------------------|----|------|---|----|---------------|-----|-----|
| 1.110.071(!) | ECN-M 140/41 | 30-140 | 2460     | 40 | 11,0 | (3x400V) - 50 Hz | 24 | 1450 | 5 | 10 | 1103x768x1033 | 115 | 015 |
| 1.110.206    | ECN-M 160/30 | 30-160 | 300-1800 | 40 | 9.5  | (3x400V) - 50 Hz | 16 | 1450 | 5 | 10 | 1103x768x1033 | 110 | 100 |
| 1.110.406    | ECN-M 220/22 | 30-220 | 240-1320 | 40 | 9,0  | (3x400V) - 50 Hz | 15 | 1450 | 5 | 10 | 1103x768x1033 | 110 | 065 |
| 1.110.451    | ECN-M 220/30 | 30-220 | 300-1800 | 40 | 11,0 | (3x400V) - 50 Hz | 24 | 1450 | 5 | 10 | 1103x768x1033 | 115 | 090 |
| 1.110.501    | ECN-M 260/16 | 30-260 | 180-960  | 40 | 7.5  | (3x400V) - 50 Hz | 24 | 1450 | 5 | 10 | 1103x768x1033 | 110 | 040 |
| 1.110.511    | ECN-M 260/22 | 30-260 | 240-1320 | 40 | 11.0 | (3x400V) - 50 Hz | 24 | 1450 | 5 | 10 | 1103x768x1033 | 115 | 055 |
| 1.110.571(!) | ECN-M 320/18 | 30-320 | 180-1080 | 40 | 11.0 | (3x400V) - 50 Hz | 24 | 1450 | 5 | 10 | 1103x768x1033 | 115 | 040 |
| 1.110.771(!) | ECN-M 400/16 | 400    | 960      | 40 | 11,0 | (3x400V) - 50 Hz | 24 | 1450 | 5 | 10 | 1103x768x1033 | 115 | 030 |

## OPTIONAL ACCESSORIES

| Code            | Item description   |
|-----------------|--|
| 1.210.025       | Hose reel set with 20 m hose, for < 250 bar  |
| 1.210.026       | Hose reel set with 20 m hose, for ECN-M and ECN-L 411  |
| 1.210.028       | Hose reel set with 20 m hose, for ECN-M >250 bar and < 300 bar   |
| 1.210.029       | Hose reel set with 20 m hose, for ECN-M and ECN-L 320 bar  |
| 1.210.045       | Hose reel set with 40 m hose, for ECN-M/L ≤ 250 bar  |
| 1.210.046       | Hose reel set with 40 m hose, for ECN-M and ECN-L 411  |
| 1.210.048       | Hose reel set with 40 m hose, for ECN-M >250 bar and < 300 bar   |
| 1.210.049       | Hose reel set with 20 m hose, for ECN-M and ECN-L 320 bar  |
| 1.208.520.xxx   | High pressure extension hoses with quick release (10-25 m, ≤ 250 bar)  |
| 1.208.540.xxx   | High pressure extension hoses with quick release (10-25 m, > 250 bar & ≤ 350 bar)  |
| 1.208.560.xxx   | High pressure extension hoses with quick release (10-25 m, ≤ 500 bar)  |
| 1.258.225.00xxx | High pressure grit blasting lance with power jet hp nozzle and suction hose, suitable for an operating pressure from ≤ 350 bar |
| 1.258.229.15xxx | High pressure grit blasting lance with flat jet nozzle and suction hose suitable, for an operating pressure from ≤ 500 bar     |

## OPTIONAL EQUIPMENT

| Code      | Item description                        |
|-----------|---|
| 1.210.085 | Supplement for soft starter up to 15 kW |



# ECN-L



The **ECN-L** is a powerful industrial high pressure cleaner can be deployed in various sectors for heavy cleaning tasks.

This model is available in different engine/pump combinations to supply high pressures and/or large quantities of water.

For each application there is a suitable machine, that can be used in the agricultural sector, horticulture, forestry, construction, ... and for lots of other industrial cleaning.

## EXCLUSIVE TECHNOLOGIES



Modern design



High quality materials



Robust frame



Radial high-pressure pump



Motor with low speed



Flexible motor/pump coupling



5 Year warranty



12h use

## PRODUCT SPECIFICATIONS

- Modern ergonomic design
- A powder-lacquered steel frame → prevention from corrosion and robust
- High quality materials: UV-resistant and thick walled rotation casted polyethylene in combination with stainless steel → very solid, colourfast and scratch protection and no corrosion
- 2 integrated lance holders → ergonomic
- 4 sturdy wheels with brake
- 2 integrated brackets
- Quick-connect couplings for replacing accessories
- Integrated lifting eye, so the machines can also easily be lifted by a crane

## STANDARD EQUIPMENT

| Code            | Item description  |
|-----------------|---|
| 1.211.5xx       | High pressure gun with swivel → large manoeuvrability of the wash gun   |
| 1.208.xxx.020   | High pressure hose (3/8", 10 m) → extended reach  |
| 1.216.769.xxxxx | Single stainless steel lance with high pressure nozzle and rotating quick coupling (only on: ≥ 320 bar en 41 l/min) |



1.216.769.xxxxx



1.211.5xx

















1.208.xxx.020

Subject to change

## TECHNICAL SPECIFICATIONS

- Low-speed electric motor (1450 rpm) → less wear
- Radial high pressure pump with 3 ceramic plungers and stainless steel valves → fewer vibrations and less noise
- Flexible engine/pump coupling → silent operation and protection of the electric motor
- Automatic start/stop system with 30 s shut-down-delay
- Foot main switch - ON/OFF
- Pressure gauge
- Coarse particle filter
- Low pressure entrance: GEKA-coupling

## MODELS

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|---|---|---|---|---|---|---|---|--|---|---|---|---|---|
| Code  | Description   | bar   | l/h   | °C  | kW  | V   | A   | rpm  | m   | m   | mm  | kg  |   |
| 1.110.491   | ECN-L 220/41  | 220   | 2460  | 40  | 18,5  | (3x400V) - 50 Hz  | 35  | 1450   | 5   | 10  | 1193x773x1054   | 183   | 130   |
| 1.110.601   | ECN-L 320/23  | 320   | 1380  | 40  | 15,0  | (3x400V) - 50 Hz  | 30  | 1450   | 5   | 10  | 1193x773x1054   | 183   | 050   |
| 1.110.826   | ECN-L 500/15  | 500   | 900   | 40  | 15,0  | (3x400V)-50 Hz  | 30  | 1450   | 5   | 10  | 1193x773x1054   | 183   | 030   |
| 1.110.861   | ECN-L 500/18  | 500   | 1080  | 40  | 18,5  | (3x400V)-50 Hz  | 35  | 1450   | 5   | 10  | 1193x773x1054   | 183   | 035   |

## OPTIONAL ACCESSORIES

| Code            | Item description   |
|-----------------|--|
| 1.210.026       | Hose reel set with 20 m hose, for ECN-M and ECN-L 41 I   |
| 1.210.029       | Hose reel set with 20 m hose, for ECN-M and ECN-L 320 bar  |
| 1.210.046       | Hose reel set with 40 m hose, for ECN-M and ECN-L 41 I   |
| 1.210.049       | Hose reel set with 20 m hose, for ECN-M and ECN-L 320 bar  |
| 1.208.520.xxx   | High pressure extension hoses with quick release (10-25 m, ≤ 250 bar)  |
| 1.208.540.xxx   | High pressure extension hoses with quick release (10-25 m, > 250 bar & ≤ 350 bar)  |
| 1.208.560.xxx   | High pressure extension hoses with quick release (10-25 m, ≤ 500 bar)  |
| 1.258.225.00xxx | High pressure grit blasting lance with power jet hp nozzle and suction hose, suitable for an operating pressure from ≤ 350 bar |
| 1.258.229.15xxx | High pressure grit blasting lance with flat jet nozzle and suction hose suitable, for an operating pressure from ≤ 500 bar     |

## OPTIONAL EQUIPMENT

| Code      | Item description                        |
|-----------|---|
| 1.210.085 | Supplement for soft starter up to 15 kW |
| 1.210.090 | Supplement for soft starter up to 22 kW |

# ECN-T

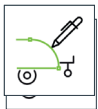


The **ECN-T** is a powerful industrial high pressure cleaner can be deployed in various sectors for heavy cleaning tasks.

This model is available in different engine/pump combinations to supply high pressures and/or large quantities of water.

For each application there is a suitable machine, that can be used in the agricultural sector, horticulture, forestry, construction, ... and for lots of other industrial cleaning.

## EXCLUSIVE TECHNOLOGIES



Modern design



High quality materials



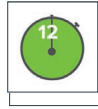
Robust frame



Radial high-pressure pump



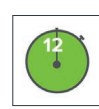
Motor with low speed



Flexible motor/pump coupling



5 Year warranty



12h use

## PRODUCT SPECIFICATIONS

- A powder-lacquered steel frame → prevention from corrosion and robust
- High quality materials: UV-resistant and thick walled rotation casted polyethylene in combination with stainless steel → very solid, colourfast and scratch protection and no corrosion
- 2 integrated lance holders → ergonomic
- Modern ergonomic design
- 2 industrial casters → stability and manoeuvrability
- Large and sturdy wheels → mobile
- Bracket for electric cable

## STANDARD EQUIPMENT

| Code            | Item description   |
|-----------------|--|
| 1.211.5xx       | High pressure gun with swivel → large manoeuvrability of the wash gun  |
| 1.208.560.020   | High pressure hose (3/8", 10 m) → extended reach   |
| 1.208.xxx.020   | High pressure hose (3/8", 10 m) → extended reach   |
| 1.208.729.xxxxx | Single lance with rotating high pressure nozzle (only on ≤ 320 bar and < 41 l/min) → powerful water jet  |
| 1.208.630.xxxxx | Double stainless steel spray lance with low and high pressure nozzle and rotating quick coupling (only on ≥ 320 bar and < 41 l/min) → chemicals and stepless pressure regulation |
| 1.216.769.xxxxx | Single stainless steel lance with high pressure nozzle and rotating quick coupling (only on: ≥ 320 bar en 41 l/min)  |



1.216.769.xxxxx



1.208.729.xxxxx



1.208.630.xxxxx



1.211.5xx

Subject to change

## TECHNICAL SPECIFICATIONS

- Electric engine at low speed
- Radial high pressure pump with 3 ceramic plungers and stainless steel valves → fewer vibrations and less noise
- Pressure gauge
- Coarse particle filter
- Stepless pressure and flow regulation by bypass valve (only on 500 bar)
- Wheel brake system
- Industrial engine/pump → a very powerful engine/pump combination
- Low-speed electric motor (1450 rpm) → less wear
- On/Off switch
- Pressure control valve to adjust the operating pressure
- A brass/nickel-plated pump head → no corrosion

- Flexible engine/pump coupling → silent operation and protection of the electric motor
- Integrated water tank with quick fill cap (50 l) → large capacity and very userfriendly
- Stepless pressure and flow regulation (fixed on 140/41, 400/16 & 500/15)
- Detergent injector (not on 140/41, 320/18, 400/16 & 500/15)

Note:

Monophase machines work as standard at 1 x 230 V-50 Hz.  
3-phase machines work standard at 3 x 400 V - 50 Hz.  
Other versions on request.

## MODELS

| Code      | Description  | bar      | l/h        | °C | kW   | V               | A  | rpm  | l  | m | m  | mm               | kg  |                           |
|-----------|--------------|----------|------------|----|------|-----------------|----|------|----|---|----|------------------|-----|---------------------------|
| 1.108.080 | ECN-T 140/41 | 30 - 140 | 300 - 2460 | 40 | 11.5 | 3 x 400 - 50 Hz | 21 | 1450 | 50 | 5 | 10 | 1083 x 597 x 968 | 139 | 150                       |
| 1.108.180 | ECN-T 160/22 | 30 - 160 | 240 - 1320 | 40 | 6.8  | 3 x 400 - 50 Hz | 15 | 1450 | 50 | 5 | 10 | 1083 x 597 x 968 | 108 | 075 / 080 (rotating head) |
| 1.108.230 | ECN-T 160/30 | 30 - 160 | 300 - 1800 | 40 | 9.5  | 3 x 400 - 50 Hz | 16 | 1450 | 50 | 5 | 10 | 1083 x 597 x 968 | 129 | 100                       |
| 1.108.430 | ECN-T 220/22 | 30 - 220 | 240 - 1320 | 40 | 9    | 3 x 400 - 50 Hz | 15 | 1450 | 50 | 5 | 10 | 1083 x 597 x 968 | 123 | 065                       |
| 1.108.480 | ECN-T 220/30 | 30 - 220 | 300 - 1800 | 40 | 12.5 | 3 x 400 - 50 Hz | 22 | 1450 | 50 | 5 | 10 | 1083 x 597 x 968 | 140 | 090                       |
| 1.108.525 | ECN-T 260/22 | 30 - 260 | 240 - 1320 | 40 | 11.5 | 3 x 400 - 50 Hz | 20 | 1450 | 50 | 5 | 10 | 1083 x 597 x 968 | 123 | 055                       |
| 1.108.580 | ECN-T 320/18 | 30 - 320 | 180 - 1080 | 40 | 11.5 | 3 x 400 - 50 Hz | 20 | 1450 | 50 | 5 | 10 | 1083 x 597 x 968 | 140 | 040                       |
| 1.108.780 | ECN-T 400/16 | 400      | 960        | 40 | 12.5 | 3 x 400 - 50 Hz | 22 | 1450 | 50 | 5 | 10 | 1083 x 597 x 968 | 144 | 030                       |
| 1.108.825 | ECN-T 500/15 | 500      | 900        | 40 | 15   | 3 x 400 - 50 Hz | 25 | 1450 | 50 | 5 | 10 | 1083 x 597 x 968 | 173 | 030                       |

## OPTIONAL ACCESSORIES

| Code            | Item description  |
|-----------------|---|
| 1.208.025       | Hose reel set with 20 m HP-hose ≤ 260 bar   |
| 1.208.045       | Hose reel set with 40 m HP-hose ≤ 260 bar   |
| 1.208.028       | Hose reel set with 20 m HP-hose > 260 bar   |
| 1.208.048       | Hose reel set with 40 m HP-hose > 260 bar   |
| 1.208.520.xxx   | High pressure extension hoses with quick release (10-25 m, ≤ 250 bar)                                       |
| 1.208.540.xxx   | High pressure extension hoses with quick release (10-25 m, > 250 bar & ≤ 350 bar)                           |
| 1.208.560.xxx   | High pressure extension hoses with quick release (10-25 m, ≤ 500 bar)                                       |
| 1.238.520.xxxxx | Sewer hoses with nozzle and rotating quick coupling (10-25 m, ≤ 200 bar)                                    |
| 1.258.220.xxxxx | High pressure grit blasting lance with flat jet nozzle and suction hose (900 mm, ≤ 250 bar)                 |
| 1.258.225.xxxxx | High pressure grit blasting lance with power jet hp nozzle and suction hose (900 mm, ≤ 350 bar & ≤ 500 bar) |
| 1.258.229.xxxxx | High pressure grit blasting lance with flat jet nozzle and suction hose (900 mm, ≤ 350 bar & ≤ 500 bar)     |
| 1.208.828.xxxxx | Flexible spray lance with high pressure nozzle (850 mm, ≤ 200 bar)  |
| 1.244.251       | Foam lance with 1l tank and quick release (200 mm, ≤ 250 bar)   |

## OPTIONAL EQUIPMENT

| Code      | Item description  |
|-----------|---|
| 1.208.000 | Supplement for automatic start/stop (≤ 12,5 kW)   |
| 1.208.001 | Supplement for automatic start/stop (> 12,5 kW & 140/41) Not possible with the 15 kW version. |
| 3.204.125 | Supplement to convert into 3 x 230 V - 50 Hz (not on > 10 kW) - Other versions on request.    |



# ECN-XL



The **ECN-XL** cold water high-pressure cleaner is an industrial cleaner for professional and industrial use in situations where high capacity is required.

This model is available in 3 different engine/pump combinations from 500 up to 1000 bar.

## EXCLUSIVE TECHNOLOGIES



High quality materials



Robust frame



Radial high-pressure pump



Motor with low speed



5 Year warranty



12h use

## PRODUCT SPECIFICATIONS

- A powder-lacquered steel frame → prevention from corrosion and robust
- 2 integrated lance holders → ergonomic
- Stainless steel cover → to protect motor and pump

## STANDARD EQUIPMENT

| Code            | Item description   |
|-----------------|--|
| 1.208.560.020   | High pressure hose (3/8", 10 m) → extended reach   |
| 1.211.535       | High pressure gun with swivel → large manoeuvrability of the wash gun                                  |
| 1.216.769.xxxxx | Single stainless steel lance with high pressure nozzle and rotating quick coupling (> 350 & ≤ 500 bar) |



1.208.560.020



1.216.769.xxxxx



1.211.535

## TECHNICAL SPECIFICATIONS

- Electric engine at low speed
- Triplex-Kolbenpumpe
- Keilriemenantrieb
- Pressure gauge
- Coarse particle filter
- Pressure control valve to adjust the operating pressure (only on 500 bar)
- Automatic star delta switch
- Safety valve
- Protected up to 60° C by thermo valve
- Water filter (up to 20 μ)

- Wheel brake system
- Pre pressure pump (only for 800 and 1000 bar version)
- Industrial engine/pump → a very powerful engine/pump combination

Note:

Monophase machines work as standard at 1 x 230 V-50 Hz.  
3-phase machines work standard at 3 x 400 V - 50 Hz.  
Other versions on request.

## MODELS

| Code      | Description   | bar      | l/h  | °C | kW | V               | A  | rpm | m | m  | mm                | kg  |     |
|-----------|---------------|----------|------|----|----|-----------------|----|-----|---|----|-------------------|-----|-----|
| 1.108.880 | ECN-XL 500/30 | 30 - 500 | 1800 | 60 | 30 | 3 x 400 - 50 Hz | 50 | 800 | 5 | 10 | 1465 x 810 x 1035 | 472 | 055 |
| 1.108.920 | ECN-XL 800/19 | 800      | 1140 | 60 | 30 | 3 x 400 - 50 Hz | 50 | 800 | 5 | 10 | 1465 x 810 x 1035 | 520 |     |



Triplex plunger pump



Water filter



Wheel brake system



# PTL-S



The **PTL-S** cold water high pressure washer is extremely compact and because of its small size and light weight easily portable.

This professional high pressure cleaner is driven by a petrol engine, easy to use even in places where there is no electricity.

It's an allround cold water high pressure cleaner for sports events, stables...

## EXCLUSIVE TECHNOLOGIES



Robust frame



Radial high-pressure pump



Motor pump coupling using reduction gearbox



5 Year warranty



10h use

## PRODUCT SPECIFICATIONS

- A powder-lacquered steel frame → prevention from corrosion and robust
- Lightweight → easily portable

## STANDARD EQUIPMENT

| Code            | Item description   |
|-----------------|--|
| 1.208.520.020   | High pressure hose (3/8", 10 m) → extended reach                                   |
| 1.211.510       | High pressure gun with swivel → large manoeuvrability of the wash gun              |
| 1.216.725.15050 | Single stainless steel lance with high pressure nozzle and rotating quick coupling |



1.208.520.020



1.216.725.15050














1.211.510

## TECHNICAL SPECIFICATIONS

- Honda petrol engine (manual starting = type B)
- Radial high pressure pump with 3 ceramic plungers and stainless steel valves
- Pressure gauge
- Coarse particle filter
- Stepless pressure and flow regulation by bypass valve

## MODELS

|  |  |  |  |  |  |  |  |  |  |  |
|---|---|---|---|---|---|---|---|---|---|---|
| Code  | Description   | bar   | l/h   | °C  | kW  | l   | m   | mm  | kg  |   |
| 1.111.000   | PTL-S 100/11 B  | 30 - 100  | 240 - 660   | 60  | 4,0 (petrol)  | 3,1   | 10  | 510 x 400 x 430   | 30  | 050   |
| 1.111.090   | PTL-S 150/11 B  | 30 - 150  | 240 - 660   | 60  | 4,0 (petrol)  | 3,1   | 10  | 510 x 400 x 430   | 30  | 040   |

# PTL-M



Due to its on-board power source and self-contained operation, the **PTL-M** cold water high-pressure cleaner is easy to use even in places where there is no electricity.

Suitable for intensive daily use.

## EXCLUSIVE TECHNOLOGIES



Modern design



High quality materials



Robust frame



Radial high-pressure pump



Automatic idling speed



Motor pump coupling using reduction gearbox



5 Year warranty



12h use

## PRODUCT SPECIFICATIONS

- Modern ergonomic design
- A powder-lacquered steel frame → prevention from corrosion and robust
- High quality materials: UV-resistant and thick walled rotation casted polyethylene in combination with stainless steel → very solid, colourfast and scratch protection and no corrosion
- 2 integrated lance holders → ergonomic
- Large and sturdy wheels → mobile
- 2 integrated brackets
- Quick-connect couplings for replacing accessories
- Integrated lifting eye, so the machines can also easily be lifted by a crane

## STANDARD EQUIPMENT

| Code            | Item description  |
|-----------------|---|
| 1.208.520.020   | High pressure hose (3/8", 10 m) → extended reach  |
| 1.211.525       | High pressure gun with swivel → large manoeuvrability of the wash gun                                   |
| 1.216.729.xxxxx | Single stainless steel lance with high pressure nozzle and rotating quick coupling (> 350 & ≤ 500 bar)  |
| 1.208.729.xxxxx | Single lance with rotating high pressure nozzle (only on ≤ 320 bar and < 41 l/min) → powerful water jet |



1.211.525



1.208.520.020



1.216.729.xxxxx














1.208.729.xxxxx

## TECHNICAL SPECIFICATIONS

- Petrol engine with manual starting with integrated fuel tank (B)
- Radial high pressure pump with 3 ceramic plungers and stainless steel valves → fewer vibrations and less noise
- Engine/pump coupling via reduction gearbox
- Pressure control valve to adjust the operating pressure (only on 200 bar)
- Pressure gauge
- Coarse particle filter
- Vibration dampers
- Automatic idling → less consumption (\*)
- Low pressure entrance: GEKA-coupling

## MODELS

|  |  |  |  |  |  |  |  |  |  |  |
|---|---|---|---|---|---|--|---|---|---|---|
| Code  | Description   | bar   | l/h   | °C  | kW  | l  | m   | mm  | kg  |   |
| 1.112.350   | PTL-M 200/18 B  | 30-200  | 240-1080  | 40  | 10.5 (petrol)   | 7  | 10  | 1103x768x1033   | 94  | 050   |
| 1.112.500   | PTL-M 250/13 B  | 250   | 780   | 40  | 10.5 (petrol)   | 7  | 10  | 1103x768x1033   | 94  | 035   |

## OPTIONAL ACCESSORIES

| Code            | Item description  |
|-----------------|---|
| 1.208.520.xxx   | High pressure extension hoses with quick release (10-25 m, ≤ 250 bar)                                       |
| 1.212.025       | Hose reel set with 20 m hose, for PTL-M ≤ 250 bar   |
| 1.212.045       | Hose reel set with 40 m hose, for PTL-M ≤ 250 bar   |
| 1.208.828.xxxxx | Flexible spray lance with high pressure nozzle (850 mm, ≤ 200 bar)  |
| 1.258.220.xxxxx | High pressure grit blasting lance with flat jet nozzle and suction hose (900 mm, ≤ 250 bar)                 |
| 1.244.251       | Foam lance with 1 l tank and quick release (200 mm, ≤ 250 bar)  |
| 1.238.520.xxxxx | Sewer hoses with nozzle and rotating quick coupling (10-25 m, ≤ 200 bar)                                    |
| 1.258.225.xxxxx | High pressure grit blasting lance with power jet hp nozzle and suction hose (900 mm, ≤ 350 bar & ≤ 500 bar) |
| 1.258.229.xxxxx | High pressure grit blasting lance with flat jet nozzle and suction hose (900 mm, ≤ 350 bar & ≤ 500 bar)     |

# PTL-L



Due to its on-board power source and self-contained operation, the **PTL-L** cold water high-pressure cleaner is easy to use even in places where there is no electricity.

Suitable for intensive daily use.

## EXCLUSIVE TECHNOLOGIES



Modern design



High quality materials



Robust frame



Radial high-pressure pump



Automatic idling speed



Motor pump coupling using reduction gearbox



5 Year warranty



12h use

## PRODUCT SPECIFICATIONS

- Modern ergonomic design
- A powder-lacquered steel frame → prevention from corrosion and robust
- High quality materials: UV-resistant and thick walled rotation casted polyethylene in combination with stainless steel → very solid, colourfast and scratch protection and no corrosion
- 2 integrated lance holders → ergonomic
- 2 integrated brackets
- 4 sturdy wheels with brake
- Quick-connect couplings for replacing accessories
- Integrated lifting eye, so the machines can also easily be lifted by a crane

## STANDARD EQUIPMENT

| Code            | Item description   |
|-----------------|--|
| 1.216.749.5035  | Single stainless steel lance with high pressure nozzle and rotating quick coupling (350 bar) |
| 1.216.769.15030 | Single stainless steel lance with high pressure nozzle and rotating quick coupling (500 bar) |
| 1.208.749.xxxxx | Single lance with rotating high pressure nozzle → powerful water jet (only on 350 bar)       |
| 1.211.5xx       | High pressure gun with swivel → large manoeuvrability of the wash gun                        |
| 1.208.xxx.020   | High pressure hose (3/8", 10 m) → extended reach   |



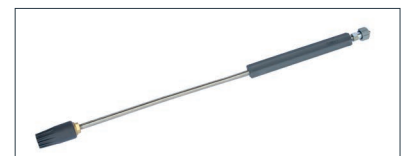
1.211.5xx



1.208.xxx.020



1.216.749.5035 (350 bar)  
1.216.749.15030 (500 bar)



1.208.749.xxxxx

Subject to change

## TECHNICAL SPECIFICATIONS

- Petrol engine with electric starting with integrated fuel tank (EB)
- Radial high pressure pump with 3 ceramic plungers and stainless steel valves → fewer vibrations and less noise
- Engine/pump coupling via reduction gearbox
- Temperature protected by thermo valve
- Vibration dampers
- Pressure gauge
- Coarse particle filter
- Automatic idling → less consumption (\*)
- Low pressure entrance: GEKA-coupling



## MODELS

| Code      | Description     | bar | l/h | °C | kW   | l   | m  | mm            | kg  |     |
|-----------|-----------------|-----|-----|----|------|-----|----|---------------|-----|-----|
| 1.112.625 | PTL-L 350/16 BE | 350 | 960 | 40 | 17,2 | 6,5 | 10 | 1193x773x1054 | 137 | 035 |
| 1.112.825 | PTL-L 500/14 BE | 500 | 840 | 40 | 17,2 | 6,5 | 10 | 1193x773x1054 | 137 | 025 |

## OPTIONAL EQUIPMENT

| Code      | Item description            |
|-----------|-----------------------------|
| 1.212.091 | Supplement for hour counter |

## OPTIONAL ACCESSORIES

| Code            | Item description  |
|-----------------|---|
| 1.212.028       | Hose reel set with 20 m hose, for PTL-L ≤ 350 bar   |
| 1.212.048       | Hose reel set with 40 m hose, for PTL-L ≤ 350 bar   |
| 1.208.560.xxx   | High pressure extension hoses with quick release (10-25 m, ≤ 500 bar)                                       |
| 1.208.540.xxx   | High pressure extension hoses with quick release (10-25 m, > 250 bar & ≤ 350 bar)                           |
| 1.258.225.xxxxx | High pressure grit blasting lance with power jet hp nozzle and suction hose (900 mm, ≤ 350 bar & ≤ 500 bar) |
| 1.258.229.xxxxx | High pressure grit blasting lance with flat jet nozzle and suction hose (900 mm, ≤ 350 bar & ≤ 500 bar)     |

# HOTBOX



The **DiBO HOTBOX** allows you to make a professional hot water equipment from your cold water high- pressure cleaner.

This mobile burner module can be connected easily between the cold water high- pressure cleaner and the high-pressure hose. It works completely independent and heats the water to a maximum level of 150° C.

This makes it extremely useful to a whole range of cleaning jobs, for which the use of hot water is to be necessary for an effective and thorough cleaning, a.o. in the field of agriculture for stable and shed cleaning, for industrial use and in private accommodations for swimming pool cleaning, etc. The Firebox is being fed by a high-pressure cleaner or by another water pump with a minimum working pressure of 40 bar.

## EXCLUSIVE TECHNOLOGIES



Modern design



High quality materials



Robust frame



GreenBoiler



5 Year warranty

## PRODUCT SPECIFICATIONS

- Modern ergonomic design
- A powder-lacquered steel frame → prevention from corrosion and robust
- High quality materials: UV-resistant and thick walled rotation casted polyethylene in combination with stainless steel → very solid, colourfast and scratch protection and no corrosion
- 2 industrial casters with wheel brake system → stability and manoeuvrability
- Large and sturdy wheels → mobile
- Easy to use operation panel with ON/OFF switch and thermostat

## STANDARD EQUIPMENT

| Code      | Item description  |
|-----------|---|
| 1.821.119 | High pressure hose with quick coupling (3/8", 2 m, 220 bar) |
| 1.821.148 | High pressure hose with quick coupling (3/8", 2 m, 500 bar) |

## TECHNICAL SPECIFICATIONS

- 70 kW GreenBoiler
  - for a greater efficiency > 92%
  - 18% fuel saving
  - Low CO2 emission
  - Low maintenance cost
- Single phase engine, directly connected to the fan and to the fuel engine
- Safety precautions: equipped with a pressure switch, a safety valve and a flow meter in order to check if the machine does not run dry

- Inlet: 3/8" outer screw thread and outlet: connecting piece: V-part

**Note:**

Monophase machines work as standard at 1 x 230 V-50 Hz.

3-phase machines work standard at 3 x 400 V - 50 Hz.

Other versions on request.

## MODELS

| Code      | Description | bar | l/h        | °C       | kW  | V               | A | kW | l  | m | mm               | kg  |
|-----------|-------------|-----|------------|----------|-----|-----------------|---|----|----|---|------------------|-----|
| 1.173.205 | HOTBOX 220  | 220 | 360 - 1320 | 30 - 150 | 0,3 | 1 x 230 - 50 Hz | 2 | 70 | 27 | 2 | 900 x 700 x 1150 | 155 |
| 1.173.207 | HOTBOX 500  | 500 | 360 - 1080 | 30 - 150 | 0,3 | 1 x 230 - 50 Hz | 2 | 70 | 27 | 2 | 900 x 700 x 1150 | 160 |



# IBH-S



The **IBH-S** is a compact hot water high pressure cleaner made up of high-quality components complying with DiBO's rigid quality standards.

By using a new type radial high pressure pump with 3 full ceramic plungers, there are less vibrations which results in a very noiseless machine. The IBH-S is also equipped with an innovating Dual Power Heating System. Preheating of the water in combination with a 50 kW GreenBoiler. Thanks to this unique combination there is always a buffer with hot water available. This also makes the high pressure cleaner more ecological.

The temperature is regulated with a double electronic measurement, this assures a stable output temperature for constant cleaning performance. Suitable for a wide range of cleaning jobs.

## EXCLUSIVE TECHNOLOGIES



Modern design



High quality materials



Robust frame



Radial high-pressure pump



Motor with low speed



Flexible motor/pump coupling



Dual power heating system



GreenBoiler



5 Year warranty



10h use

## PRODUCT SPECIFICATIONS

- Modern ergonomic design
- A powder-lacquered steel frame → prevention from corrosion and robust
- High quality materials: UV-resistant and thick walled rotation casted polyethylene in combination with stainless steel → very solid, colourfast and scratch protection and no corrosion
- 2 integrated lance holders → ergonomic
- 2 industrial casters with wheel brake system → stability and manoeuvrability
- Large and sturdy wheels → mobile
- Large control panel → easy to use

## STANDARD EQUIPMENT

| Code            | Item description   |
|-----------------|--|
| 1.211.525       | High pressure gun with swivel → large manoeuvrability of the wash gun  |
| 1.205.520.020   | High pressure hose (5/16", 10 m) → extended reach  |
| 1.216.769.xxxxx | Single stainless steel lance with high pressure nozzle and rotating quick coupling (only on > 350 and ≤ 500 bar) |



1.216.769.xxxxx



1.211.525



1.205.520.020

Subject to change

## TECHNICAL SPECIFICATIONS

- Dual Power Heating System with 50 kW GreenBoiler and electric preheating:
  - 50 kW GreenBoiler for a greater efficiency > 92%
  - 1,5 kW electric heating 18% + 8% fuel saving
  - Low CO2 emission
  - Low maintenance cost
- Radial high pressure pump with 3 ceramic plungers and stainless steel valves → fewer vibrations and less noise
- Low-speed electric motor (1450 rpm) → less wear
- Automatic start/stop system with 30 s shut-down-delay
- Pressure gauge

- Coarse particle filter
- On/Off switch
- Pressure control valve to adjust the operating pressure
- Chemical dosing system and Quick-fill cap for fuel tank refill
- Double electronic temperature measurement system

### Note:

Monophase machines work as standard at 1 x 230 V-50 Hz.  
3-phase machines work standard at 3 x 400 V - 50 Hz.  
Other versions on request.

## MODELS

| Code      | Description  | bar      | l/h  | °C      | kW  | V               | A  | rpm  | l  | l  | m | m  | mm                | kg  |     |
|-----------|--------------|----------|------|---------|-----|-----------------|----|------|----|----|---|----|-------------------|-----|-----|
| 1.114.050 | IBH-S 130/10 | 30 - 130 | 600  | 30 -150 | 3,1 | 1 x 230 - 50 Hz | 16 | 1450 | 30 | 25 | 5 | 10 | 1198 x 726 x 1137 | 165 | 040 |
| 1.114.280 | IBH-S 180/13 | 30 - 180 | 780  | 30 -150 | 8,2 | 3 x 400 - 50 Hz | 14 | 1450 | 30 | 25 | 5 | 10 | 1198 x 726 x 1137 | 170 | 045 |
| 1.114.300 | IBH-S 210/15 | 30 - 210 | 900  | 30 -150 | 9,4 | 3 x 400 - 50 Hz | 16 | 1450 | 30 | 25 | 5 | 10 | 1198 x 726 x 1137 | 175 | 045 |
| 1.114.140 | IBH-S 160/20 | 30 - 160 | 1200 | 30 -150 | 9,4 | 3 x 400 - 50 Hz | 16 | 1450 | 30 | 25 | 5 | 10 | 1198 x 726 x 1137 | 175 | 075 |

## OPTIONAL EQUIPMENT

| Code      | Item description   |
|-----------|--|
| 1.214.020 | Supplement for hose reel with high pressure hose included (20 m)                               |
| 1.214.095 | Flame protection   |
| 1.216.100 | Supplement for remote control : ON/OFF (machine in standby), Burner ON/OFF, Reset malfunctions |

## OPTIONAL ACCESSORIES

| Code            | Item description   |
|-----------------|--|
| 1.214.025       | Hose reel set with hose reel (20 m)                                      |
| 1.205.520.xxxxx | High pressure extension hoses with quick release (10-25 m, ≤ 250 bar)    |
| 1.238.520.xxxxx | Sewer hoses with nozzle and rotating quick coupling (10-25 m, ≤ 200 bar) |
| 1.244.251       | Foam lance with 1 l tank and quick release (200 mm, ≤ 250 bar)           |
| 1.208.828.xxxxx | Flexible spray lance with high pressure nozzle (850 mm, ≤ 200 bar)       |



# IBH-M



The **IBH-M** is an enormous powerful industrial hot water high pressure cleaner that can be deployed for daily heavy duty cleaning tasks.

As heating system this pressure cleaner uses the DiBO GreenBoiler. This is a high-tech heating system developed by DiBO. The advantage of this system is a low emission of harmful gases, combined with a low fuel consumption, that is 18% lower than the consumption of a conventional burner.

## EXCLUSIVE TECHNOLOGIES



Modern design



High quality materials



Robust frame



Radial high-pressure pump



Motor with low speed



Flexible motor/pump coupling



GreenBoiler



5 Year warranty



12h use

## PRODUCT SPECIFICATIONS

- Modern ergonomic design
- A powder-lacquered steel frame → prevention from corrosion and robust
- High quality materials: UV-resistant and thick walled rotation casted polyethylene in combination with stainless steel → very solid, colourfast and scratch protection and no corrosion
- 2 integrated lance holders → ergonomic
- 2 industrial casters with wheel brake system → stability and manoeuvrability
- Large and sturdy wheels → mobile
- Simple control panel → easy to use

## STANDARD EQUIPMENT

| Code            | Item description   |
|-----------------|--|
| 1.216.729.xxxxx | Single stainless steel lance with high pressure nozzle and rotating quick coupling (≤ 250 bar)         |
| 1.216.749.xxxxx | Single stainless steel lance with high pressure nozzle and rotating quick coupling (> 250 & ≤ 350 bar) |
| 1.211.525       | High pressure gun with swivel → large manoeuvrability of the wash gun                                  |
| 1.208.xxx.020   | High pressure hose (3/8", 10 m) → extended reach   |



1.216.729.xxxxx (≤ 250 bar)  
1.216.749.xxxxx (> 250 & ≤ 350 bar)



1.211.525



1.208.xxx.020

Subject to change

## TECHNICAL SPECIFICATIONS

- High-tech heating system
  - 70 kW GreenBoiler for a greater efficiency > 92%
  - 18% fuel saving
  - Low CO2 emission
  - Low maintenance cost
- Radial high pressure pump with 3 ceramic plungers and stainless steel valves → fewer vibrations and less noise
- Low-speed electric motor (1450 rpm) → less wear
- Automatic start/stop system with 30 s shut-down-delay
- Coarse particle filter
- Pressure gauge
- Direct-in
- Pressure control valve to adjust the operating pressure
- Leak- and thermal protection
- Direct supply of detergents from the built in detergent tank (45 l) (= product A) or external detergent suction with dosing valve (= product B) → large capacity and very user-friendly
- Quick-fill cap for detergent tank 45 l and fuel tank 50 l

- Main switch ON/OFF
- Switch ON/OFF for boiler
- Temperature adjustment by thermostat
- A brass/nickel-plated pump head → no corrosion
- Flexible engine/pump coupling → silent operation and protection of the electric motor
- Automatic water softening system
- Flame protection

### Note:

Monophase machines work as standard at 1 x 230 V-50 Hz.

3-phase machines work standard at 3 x 400 V - 50 Hz.

Other versions on request.

## MODELS

| Code      | Description  | bar      | l/h        | °C       | kW   | V                | A  | rpm  | l  | l  | l  | m | m  | mm                | kg  |     |
|-----------|--------------|----------|------------|----------|------|------------------|----|------|----|----|----|---|----|-------------------|-----|-----|
| 1.117.000 | IBH-M 110/13 | 30 - 110 | 180 - 780  | 30 - 150 | 3,0  | 1 x 230V - 50 Hz | 16 | 1450 | 45 | 50 | 12 | 5 | 10 | 1200 x 728 x 1152 | 217 | 050 |
| 1.117.100 | IBH-M 160/16 | 30 - 160 | 180 - 960  | 30 - 150 | 5,2  | 3 x 400V - 50 Hz | 10 | 1450 | 45 | 50 | 12 | 5 | 10 | 1200 x 728 x 1152 | 240 | 050 |
| 1.117.150 | IBH-M 160/22 | 30 - 160 | 240 - 1320 | 30 - 150 | 7,0  | 3 x 400V - 50 Hz | 13 | 1450 | 45 | 50 | 12 | 5 | 10 | 1200 x 728 x 1152 | 237 | 075 |
| 1.117.300 | IBH-M 220/16 | 30 - 220 | 180 - 960  | 30 - 150 | 7,0  | 3 x 400V - 50 Hz | 13 | 1450 | 45 | 50 | 12 | 5 | 10 | 1200 x 728 x 1152 | 240 | 045 |
| 1.117.400 | IBH-M 220/22 | 30 - 220 | 240 - 1320 | 30 - 150 | 7,5  | 3 x 400V - 50 Hz | 16 | 1450 | 45 | 50 | 12 | 5 | 10 | 1200 x 728 x 1152 | 240 | 060 |
| 1.117.500 | IBH-M 260/16 | 30 - 260 | 180 - 960  | 30 - 150 | 7,5  | 3 x 400V - 50 Hz | 15 | 1450 | 45 | 50 | 12 | 5 | 10 | 1200 x 728 x 1152 | 245 | 040 |
| 1.116.550 | IBH-M 320/18 | 30 - 320 | 180 - 1080 | 30 - 150 | 12,5 | 3 x 400V - 50 Hz | 22 | 1450 | 45 | 50 | 12 | 5 | 10 | 1200 x 728 x 1152 | 260 | 040 |
| 1.116.600 | IBH-M 350/16 | 30 - 350 | 180 - 960  | 30 - 150 | 12,5 | 3 x 400V - 50 Hz | 22 | 1450 | 45 | 50 | 12 | 5 | 10 | 1200 x 728 x 1152 | 270 | 035 |

## OPTIONAL EQUIPMENT

| Code      | Item description   |
|-----------|--|
| 3.204.130 | Supplement to convert into 3 x 230 V - 50 Hz (not on >10 kW)                                   |
| 1.216.100 | Supplement for remote control : ON/OFF (machine in standby), Burner ON/OFF, Reset malfunctions |



## OPTIONAL ACCESSORIES

| Code            | Item description  |
|-----------------|---|
| 1.216.023       | Hose reel set with 20 m HP-hose ≤ 260 bar   |
| 1.216.045       | Hose reel set with 40 m HP hose ≤ 260 bar   |
| 1.216.028       | Hose reel set with 20 m HP-hose > 260 bar   |
| 1.216.048       | Hose reel set with 40 m HP-hose > 260 bar   |
| 1.208.520.xxx   | High pressure extension hoses with quick release (10-25 m, ≤ 250 bar)   |
| 1.208.540.xxx   | High pressure extension hoses with quick release (10-25 m, > 250 bar & ≤ 350 bar)   |
| 1.238.520.xxxxx | Sewer hoses with nozzle and rotating quick coupling (10-25 m, ≤ 200 bar)  |
| 1.208.828.xxxxx | Flexible spray lance with high pressure nozzle (850 mm, ≤ 200 bar)  |
| 1.258.220.xxxxx | High pressure grit blasting lance with flat jet nozzle and suction hose (900 mm, ≤ 250 bar)   |
| 1.244.251       | Foam lance with 1 l tank and quick release (200 mm, ≤ 250 bar)  |
| 1.258.229.15xxx | High pressure grit blasting lance with flat jet nozzle and suction hose suitable, for an operating pressure from ≤ 500 bar (Length: 900 mm)     |
| 1.258.225.00xxx | High pressure grit blasting lance with power jet hp nozzle and suction hose, suitable for an operating pressure from ≤ 350 bar (Length: 900 mm) |

# IBH-L



The **IBH-L** is an enormous powerful industrial hot water high pressure cleaner that can be deployed for daily heavy duty cleaning tasks.

As heating system this pressure cleaner uses the DiBO GreenBoiler. This is a high-tech heating system developed by DiBO. The advantage of this system is a low emission of harmful gases, combined with a low fuel consumption, that is 18% lower than the consumption of a conventional burner.



## EXCLUSIVE TECHNOLOGIES



Modern design



High quality materials



Robust frame



Radial high-pressure pump



Motor with low speed



Flexible motor/pump coupling



GreenBoiler



5 Year warranty



12h use

## PRODUCT SPECIFICATIONS

- Modern ergonomic design
- A powder-lacquered steel frame → prevention from corrosion and robust
- High quality materials: UV-resistant and thick walled rotation casted polyethylene in combination with stainless steel → very solid, colourfast and scratch protection and no corrosion
- 2 integrated lance holders → ergonomic
- 2 industrial casters with wheel brake system → stability and manoeuvrability
- Large and sturdy wheels → mobile
- Simple control panel → easy to use

## STANDARD EQUIPMENT

| Code            | Item description   |
|-----------------|--|
| 1.216.729.xxxxx | Single stainless steel lance with high pressure nozzle and rotating quick coupling (≤ 250 bar)         |
| 1.216.749.xxxxx | Single stainless steel lance with high pressure nozzle and rotating quick coupling (> 250 & ≤ 350 bar) |
| 1.211.525       | High pressure gun with swivel → large manoeuvrability of the wash gun                                  |
| 1.208.xxx.020   | High pressure hose (3/8", 10 m) → extended reach   |



1.216.729.xxxxx (≤ 250 bar)  
1.216.749.xxxxx (> 250 & ≤ 350 bar)



1.211.525



1.208.xxx.020

Subject to change

## TECHNICAL SPECIFICATIONS

- High-tech heating system:
  - 110 kW GreenBoiler for a greater efficiency > 92%
  - 18% fuel saving
  - Low CO2 emission
  - Low maintenance cost
- Radial high pressure pump with 3 ceramic plungers and stainless steel valves → fewer vibrations and less noise
- Low-speed electric motor (1450 rpm) → less wear
- Automatic start/stop system with 30 s shut-down-delay
- Coarse particle filter
- Pressure gauge
- Direct-in
- Pressure control valve to adjust the operating pressure
- Leak- and thermal protection
- Direct supply of detergents from the built in detergent tank (45 l) (= product A) or external detergent suction with dosing valve (= product B) → large capacity and very user-friendly
- Quick-fill cap for detergent tank 45 l and fuel tank 50 l
- Main switch ON/OFF
- Switch ON/OFF for boiler
- Temperature adjustment by thermostat
- A brass/nickel-plated pump head → no corrosion
- Flexible engine/pump coupling → silent operation and protection of the electric motor
- Automatic water softening system
- Flame protection

### Note:

Monophase machines work as standard at 1 x 230 V-50 Hz.  
3-phase machines work standard at 3 x 400 V - 50 Hz.  
Other versions on request.

## MODELS

| Code      | Description  | bar      | l/h        | °C       | kW   | V               | A  | rpm  | l  | l  | l  | m | m  | mm                | kg      |
|-----------|--------------|----------|------------|----------|------|-----------------|----|------|----|----|----|---|----|-------------------|---------|
| 1.117.215 | IBH-L 160/30 | 30 - 160 | 300 - 1800 | 30 - 150 | 9,5  | 3 x 400 - 50 Hz | 17 | 1450 | 12 | 50 | 45 | 5 | 10 | 1200 x 728 x 1152 | 281 100 |
| 1.117.415 | IBH-L 220/22 | 30 - 220 | 240 - 1320 | 30 - 150 | 9,5  | 3 x 400 - 50 Hz | 17 | 1450 | 12 | 50 | 45 | 5 | 10 | 1200 x 728 x 1152 | 293 060 |
| 1.117.465 | IBH-L 220/30 | 30 - 220 | 300 - 1800 | 30 - 150 | 12,5 | 3 x 400 - 50 Hz | 22 | 1450 | 12 | 50 | 45 | 5 | 10 | 1200 x 728 x 1152 | 293 090 |
| 1.117.515 | IBH-L 260/22 | 30 - 160 | 1320       | 30 - 150 | 12,5 | 3 x 400 - 50 Hz | 22 | 1450 | 12 | 50 | 45 | 5 | 10 | 1200 x 728 x 1152 | 325 055 |

## OPTIONAL EQUIPMENT

| Code      | Item description   |
|-----------|--|
| 3.204.130 | Supplement to convert into 3 x 230 V - 50 Hz (not on >10 kW)                                   |
| 1.216.100 | Supplement for remote control : ON/OFF (machine in standby), Burner ON/OFF, Reset malfunctions |

## OPTIONAL ACCESSORIES

| Code            | Item description   |
|-----------------|--|
| 1.216.023       | Hose reel set with 20 m HP-hose ≤ 260 bar  |
| 1.216.045       | Hose reel set with 40 m HP hose ≤ 260 bar  |
| 1.208.520.xxx   | High pressure extension hoses with quick release (10-25 m, ≤ 250 bar)  |
| 1.208.540.xxx   | High pressure extension hoses with quick release (10-25 m, > 250 bar & ≤ 350 bar)  |
| 1.238.520.xxxxx | Sewer hoses with nozzle and rotating quick coupling (10-25 m, ≤ 200 bar)   |
| 1.208.828.xxxxx | Flexible spray lance with high pressure nozzle (850 mm, ≤ 200 bar)   |
| 1.258.220.xxxxx | High pressure grit blasting lance with flat jet nozzle and suction hose (900 mm, ≤ 250 bar)                                    |
| 1.244.251       | Foam lance with 1 l tank and quick release (200 mm, ≤ 250 bar)   |
| 1.258.225.00xxx | High pressure grit blasting lance with power jet hp nozzle and suction hose, suitable for an operating pressure from ≤ 350 bar |
| 1.258.229.15xxx | High pressure grit blasting lance with flat jet nozzle and suction hose suitable, for an operating pressure from ≤ 500 bar     |

# SBH-G



The **SBH-G** hot-water high-pressure cleaner with a gas boiler is particularly suitable for a wide range of cleaning jobs, because it offers the choice of cold- or hot-water cleaning.

A stationary unit is the most obvious solution to clean using hot water in one or more rooms, without the need to move the high pressure cleaner.

## EXCLUSIVE TECHNOLOGIES



Radial high-pressure pump



Motor with low speed



Flexible motor/pump coupling



5 Year warranty



12h use

## PRODUCT SPECIFICATIONS

- Simple control panel → easy to use
- High-quality materials with stainless steel cover for the engine/pump section
- Hour counter

## STANDARD EQUIPMENT

| Code            | Item description   |
|-----------------|--|
| 1.211.5xx       | High pressure gun with swivel → large manoeuvrability of the wash gun                          |
| 1.216.729.xxxxx | Single stainless steel lance with high pressure nozzle and rotating quick coupling (≤ 250 bar) |



1.216.729.xxxxx



1.211.5xx

Subject to change

## TECHNICAL SPECIFICATIONS

- Radial high pressure pump with 3 ceramic plungers and stainless steel valves → fewer vibrations and less noise
- Low-speed electric motor (1450 rpm) → less wear
- Automatic start/stop system with 30 s shut-down-delay
- Coarse particle filter
- Pressure gauge
- Direct-in
- Main switch ON/OFF
- Switch ON/OFF for boiler
- Temperature adjustment
- A brass/nickel-plated pump head → no corrosion

- Flexible engine/pump coupling → silent operation and protection of the electric motor
- Detergent suction with dosing valve
- Gas boiler
- Float tank 10 l















### Note:

Monophase machines work as standard at 1 x 230 V-50 Hz.

3-phase machines work standard at 3 x 400 V - 50 Hz.

Other versions on request.

## MODELS

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code  | Description   | bar   | l/h   | °C  | kW  | V   | A   | rpm   | l   | m   | mm  | kg  |   |
| 1.119.125   | SBH-G 150/15 G  | 30 - 150  | 180 - 900   | 30 - 95   | 4,0   | 3 x 400 - 50 Hz   | 9   | 1450  | 10  | 5   | 820 x 920 x 1040  | 163   | 050   |
| 1.119.325   | SBH-G 200/15 G  | 30 - 200  | 180 - 900   | 30 - 95   | 5,5   | 3 x 400 - 50 Hz   | 12  | 1450  | 10  | 5   | 820 x 920 x 1040  | 180   | 040   |



# SBH-E



The **SBH-E** is a hot water high-pressure unit with electrical heating which can be equipped optionally with various operations and coupled cleaning programmes.

Although this kind of high-pressure cleaner can be used for many applications, it will be installed mostly for the cleaning of vehicles (cars, trucks, delivery vans...).

It is an ideal solution for efficient cleaning of a car fleet. Consequently it is ideally suited to be installed in garages, transport companies, at car dealers, etc.

## EXCLUSIVE TECHNOLOGIES



Radial high-pressure pump



Motor with low speed



Flexible motor/pump coupling



5 Year warranty



12h use

## PRODUCT SPECIFICATIONS

- Simple control panel → easy to use
- High-quality materials with stainless steel cover for the engine/pump section
- Each model has a specific operation:
  - **BASIC:** Basic operation with 3 selection programmes: rinse / wax / shampoo
  - **HDR8-O:** Operation with 7 selection programmes: insect remover / foam (cold water) / prewash / brush (cold water) /rinse (cold water) / wax / polish (dry cleaning)
    - Stop
    - With electronic coin inserter
    - Surface-mounted operation (model : HDR8-O)
- Hour counter

## TECHNICAL SPECIFICATIONS















- Radial high pressure pump with 3 ceramic plungers and stainless steel valves → fewer vibrations and less noise
- Low-speed electric motor (1450 rpm) → less wear
- Automatic start/stop system with 30 s shut-down-delay
- Coarse particle filter
- Pressure gauge
- Main switch ON/OFF
- Switch ON/OFF for boiler
- Temperature adjustment
- Flexible engine/pump coupling → silent operation and protection of the electric motor
- Electrical heating element

- Detergent suction with 2 dosing pumps (3 selection programmes)
- Detergent suction with 3 dosing pumps (4 and 7 selection programmes)
- Float tank 10 l
- Hot water tank 60 l

### Note:

Monophase machines work as standard at 1 x 230 V-50 Hz.  
3-phase machines work standard at 3 x 400 V - 50 Hz.  
Other versions on request.

## MODELS

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|---|---|---|---|---|---|---|---|--|---|---|---|---|---|
| Code  | Description   | bar   | l/h   | °C  | kW  | V   | A   | kW   | l   | m   | mm  | kg  |   |
| 1.123.000   | SBH-E 100/11 BASIC  | 30 - 100  | 180 - 660   | 30 - 60   | 2,6   | 3 x 400 - 50 Hz   | 5   | 9  | 10  | 3,5   | 820 x 920 x 1000  | 204   | 040   |
| 1.123.016   | SBH-E 100/11 HDR8-0   | 30 - 100  | 180 - 660   | 30 - 60   | 2,6   | 3 x 400 - 50 Hz   | 5   | 9  | 10  | 3,5   | 820 x 920 x 1000  | 204   | 040   |

# JMB-E



These DiBO industrial stationary high pressure units have unlimited possibilities for different applications for professional and industrial use.

The **JMB-E** unit is equipped with a 70 kW DiBO GreenBoiler (18% Fuel saving) and is available in a version with a diesel engine electric starting (Model DE).

Due to its on-board power source and self-contained operation, the JMB-E hot water high-pressure cleaner is easy to use even in places where no electricity is available. It is ideally suited for a wide range of cleaning jobs, because it offers the choice of cold or hot water cleaning.

## EXCLUSIVE TECHNOLOGIES



Modern design



High quality materials



Robust frame



Radial high-pressure pump



Motor pump coupling using reduction gearbox



GreenBoiler



5 Year warranty



12h use

## PRODUCT SPECIFICATIONS

- A powder-lacquered steel frame → prevention from corrosion and robust
- High quality materials: UV-resistant and thick walled rotation casted polyethylene in combination with stainless steel → very solid, colourfast and scratch protection and no corrosion
- Easy to move by using a fork-lift truck
- 2 integrated lance holders → ergonomic
- Easy to use operation panel with ON/OFF switch and thermostat

## STANDARD EQUIPMENT

| Code            | Item description   |
|-----------------|--|
| 1.208.520.020   | High pressure hose (3/8", 10 m) → extended reach   |
| 1.211.525       | High pressure gun with swivel → large manoeuvrability of the wash gun                          |
| 1.216.729.xxxxx | Single stainless steel lance with high pressure nozzle and rotating quick coupling (≤ 250 bar) |

## TECHNICAL SPECIFICATIONS

- High-tech heating system
  - 70 kW GreenBoiler for a greater efficiency > 92%
  - 18% fuel saving
  - Low CO2 emission
  - Low maintenance cost
- 12 V operating voltage for the electronic control unit and burner boiler
- Available as version with diesel engine, electrical starting (Model DE) and a 27 l fuel tank for motor and Greenboiler
- Radial high pressure pump with 3 ceramic plungers and stainless steel valves → fewer vibrations and less noise
- Engine/pump coupling via reduction gearbox
- Automatic air cooling
- Overheat protection for the motor
- Coarse particle filter
- Pressure gauge
- Vibration damper
- Automatic idling → less consumption (\*)
- Pressure relief up to <25 bar with sealed gun → safety

## MODELS

| Code      | Description     | bar | l/h       | °C       | kW           | kW | l  | m  | mm                | kg  |     |
|-----------|-----------------|-----|-----------|----------|--------------|----|----|----|-------------------|-----|-----|
| 1.126.340 | JMB-E 200/15 DE | 200 | 180 - 900 | 30 - 125 | 7,5 (diesel) | 70 | 27 | 10 | 1166 x 642 x 1120 | 322 | 045 |

## OPTIONAL EQUIPMENT

| Code      | Item description  |
|-----------|---|
| 1.226.020 | Supplement for hose reel with 20 m high pressure hose for JMB-E |



## OPTIONAL ACCESSORIES

| Code      | Item description                                     |
|-----------|--|
| 1.226.025 | Hose reel set with 20 m high pressure hose for JMB-E |



# JMB-S/S+



The **DiBO JMB-S** is an ultra-compact mobile hot water high pressure cleaner on a trailer with attractive appearance and equipped inside with the latest and greenest technologies. With its own power source and independent operation, also for use in places where no electricity supply is available. With the option of cleaning with cold or hot water at high pressure, this high pressure cleaner is suitable for a wide variety of cleaning work. A low center of gravity in the middle at the axle ensures optimum load distribution, that together with the weight of <750 kg results in a highly comfortable drive. No special driver's license is required to pull this trailer.

**Quality and power harmoniously united in this high pressure trailer:**

- Industrial diesel motor selected per machine type depending on the radial high pressure pump.
- 70 kW DiBO GreenBoiler offering 18% fuel savings.
- Intercooling system with heat recovery from the motor used to pre-heat the water through a heat-exchanger. The result is additional fuel savings of 15%.

**High pressure trailer with greatly improved ease of use**









To make your high-pressure cleaning even easier, this high pressure trailer is equipped with intuitive digital operation by joystick. The display guides the user through the user program step by step. There is the continuous display of the status of the machine while cleaning with this high pressure cleaner. Operating pressure, temperature, fuel level (\*) and level in the water tank (\*) are just a few important parameters. Besides the standard version, this JMB-S high pressure trailer is also available as a full option “+” version.

**The JMB-S+ version includes:**

- Electronic level indication for fuel and water tank
- Electronic gas regulation with automatic speed control

Note: (\*) only with “+” version

## EXCLUSIVE TECHNOLOGIES

|  |  |   |                                |   |  |   |                               |
|--|--|---|--------------------------------|---|--|---|-------------------------------|
|  | <b>Modern design</b>                               |  | <b>High quality materials</b>  |  | <b>Radial high-pressure pump</b>               |  | <b>Heat-exchanger</b>         |
|  | <b>Motor pump coupling using reduction gearbox</b> |  | <b>GreenBoiler</b>             |  | <b>Digital display with joystick operation</b> |  | <b>Automatic idling speed</b> |
|  | <b>Track &amp; trace system (Option)</b>           |  | <b>Steam function (option)</b> |  | <b>5 Year warranty</b>                         |  | <b>12h use</b>                |
|  | <b>Stage 5 ready</b>                               |   |                                |   |  |   |                               |

## PRODUCT SPECIFICATIONS

- New operating panel with digital display and joystick:
  - Everything visible at a glance. Easy to adjust with a handy joystick and to operate with gloves.
  - Electronic setting of the temperature (exact & constant)
  - Electronic control with pressure gauge, hour counter, maintenance information, error messages and device functions that facilitate maintenance
  - The digital display indicates continuously the status of the machine and alarm.
- Modern & aerodynamic design for less air resistance
- UV-resistant double-walled housing in rotation moulded polyethylene → sound insulated: ≥85 dB
- All functionality needed for the activities are brought together on the rear of the machine - everything within hand reach
- Trailer version is built on a galvanized trailer fitted with support and swivel wheel
- Ultra-compact and lightweight <750 kg (no special driver's license required)
- Stainless steel DiBO high pressure hose reel

## TECHNICAL SPECIFICATIONS

- High-tech heating system
  - 70 kW GreenBoiler for a greater efficiency > 92%
  - 18% fuel saving
  - Low CO2 emission
  - Low maintenance cost
- 70 kW GreenBoiler + 20 kW Intercooling = 90 kW heating capacity
- Industrial diesel motor water cooled in combination with a heat-exchanger, ensuring the pre-heating of the supply water with a further 15% in fuel savings
- Total fuel savings of 33% with the GreenBoiler (18%) and heat-exchanger (15%) combination
- Radial high pressure pump with 3 ceramic plungers and stainless steel valves
- Boiler with independent motor fitted and fuel valve with electronic ignition
- 12 V operating voltage for electronic control and for the burner
- Washable water filter
- Run dry protection on the water and fuel tank
- Automatical stop system after 30 minutes of inactivity
- Automatic pre-glowing
- 200 l built-in water tank (only for «T» «TG» and «S» version)
- Pressure reduction up to 10 bar with sealed gun
- Pressure and flow regulation via speed engine governor (manually (standard) or electronically ("+" version))
- Digital control and reporting on display of :
  - motor functions
  - flame monitoring
  - water level (\*)
  - fuel level (\*)

Note: (\*) = only at "+"-version

## STANDARD EQUIPMENT

| Code            | Item description   |
|-----------------|--|
| 1.211.5xx       | High pressure gun with swivel → large manoeuvrability of the wash gun                                      |
| 1.216.729.xxxxx | Single stainless steel lance with high pressure nozzle and rotating quick coupling (≤ 250 bar)             |
| code            | Stainless steel built-in DiBO hose reel (JMB-S) for high-pressure hose (3/8", 40 m) → wide operation range |

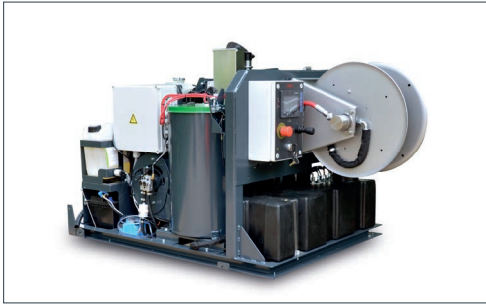
## OPTIONAL ACCESSORIES

| Code      | Item description                 |
|-----------|----------------------------------|
| 1.228.183 | Steam lance (JMB-S and JMB-E-SF) |

## OPTIONAL EQUIPMENT

| Code      | Item description  |
|-----------|---|
| code      | Various colors are available on request   |
| 1.228.160 | Supplement for steam function 140° C (30 bar)   |
| 1.228.051 | Supplement for anti-scaling system by dosing pump on flow (level detection)                     |
| 1.228.212 | Supplement for detergent injector   |
| 1.228.290 | Supplement for a 12V self-priming pump for connection to an external water tank (max. 10 l/min) |
| 1.228.950 | Supplement for lifting system   |
| 1.228.240 | Light package JMB-S: work light + beacon activatable with joystick                              |
| 1.228.200 | Supplement protective tarp  |
| 1.228.150 | Supplement for track & trace system (JMB-S)   |
| 1.890.000 | Yearly subscription for the activation of the Track & Trace option.                             |

# JMB-S/S+ Built-in & Skid



In addition to the trailer version, this high-pressure cleaner is also available in a built-in and skid configuration.

The built-in unit can easily be integrated in a truck, van or trailer. (Note that there needs to be a 200 l water tank).

The skid version has some special features.

- An ergonomic design of its frame, makes this unit easy to move by using a fork-lift truck. Due to this the skid-unit can be used as a stationary unit or mobile, in any kind of vehicle.
- The skid version has a built-in 200 l water tank















Standard and optional equipment remain the same as for the trailer. When ordering, it is possible to choose a '+' version with or without additional options (see: Optional equipment)















## MODELS













### TRAILER

|  |  |  |  |  |  |  |  |  |  |  |  |
|---|---|---|---|---|---|---|--|---|---|---|---|
| Code  | Description   | bar   | l/h   | °C  | kW  | kW  | l  | l   | mm  | kg  |   |
| 1.128.360   | JMB-S 200/18 T  | 200   | 1080  | max. 110  | 11,7 (diesel)   | 70  | 50   | 200   | 2665x1559x1354  | 720   | 055   |
| 1.128.361   | JMB-S+ 200/18 T   | 200   | 1080  | max. 110  | 11,7 (diesel)   | 70  | 50   | 200   | 2665x1559x1354  | 720   | 055   |
| 1.128.510   | JMB-S 250/15 T  | 250   | 900   | max. 110  | 11,7 (diesel)   | 70  | 50   | 200   | 2665x1559x1354  | 720   | 040   |
| 1.128.511   | JMB-S+ 250/15 T   | 250   | 900   | max. 110  | 11,7 (diesel)   | 70  | 50   | 200   | 2665x1559x1354  | 720   | 040   |

### BUILT-IN

|  |  |  |  |  |  |  |  |  |  |  |  |
|---|---|---|---|---|---|---|--|---|---|---|---|
| Code  | Description   | bar   | l/h   | °C  | kW  | kW  | l  | l   | mm  | kg  |   |
| 1.128.350   | JMB-S 200/18 I  | 200   | 1080  | max. 110  | 11,7 (diesel)   | 70  | 50   |   | 1575x920x865  | 450   | 055   |
| 1.128.351   | JMB-S+ 200/18 I   | 200   | 1080  | max. 110  | 11,7 (diesel)   | 70  | 50   |   | 1575x920x865  | 450   | 055   |
| 1.128.500   | JMB-S 250/15 I  | 250   | 900   | max. 110  | 11,7 (diesel)   | 70  | 50   |   | 1575x920x865  | 450   | 040   |
| 1.128.501   | JMB-S+ 250/15 I   | 250   | 900   | max. 110  | 11,7 (diesel)   | 70  | 50   |   | 1575x920x865  | 450   | 040   |

### SKID

|  |  |  |  |  |  |  |  |  |  |  |  |
|---|---|---|---|---|---|---|--|---|---|---|---|
| Code  | Description   | bar   | l/h   | °C  | kW  | KW  | l  | l   | mm  | kg  |   |
| 1.128.355   | JMB-S 200/18 S  | 200   | 1080  | max. 110  | 11,7 (diesel)   | 70  | 50   | 200   | 1927x1198x1095  | 630   | 055   |
| 1.128.356   | JMB-S+ 200/18 S   | 200   | 1080  | max. 110  | 11,7 (diesel)   | 70  | 50   | 200   | 1927x1198x1095  | 630   | 055   |
| 1.128.505   | JMB-S 250/15 S  | 250   | 900   | max. 110  | 11,7 (diesel)   | 70  | 50   | 200   | 1927x1198x1095  | 630   | 040   |
| 1.128.506   | JMB-S+ 200/15 S   | 250   | 900   | max. 110  | 11,7 (diesel)   | 10  | 50   | 200   | 1927x1198x1095  | 630   | 040   |

# JMB-M/M+



The **JMB-M** hot water high pressure washer knows a varied applicability, certainly in places where there is no electricity, due to its on-board power source and self-contained operation.

This high pressure trailer is equipped with the latest green technologies, like our very own GreenBoiler, which provides a considerable fuel saving.

Likewise the Intercooling system, where water from the tank is used for engine cooling and preheating through the heat exchanger, creates fuel saving of 15% for the burner. Moreover, the diesel engine is cooled even more by means of supplementary air cooling system for the engine compartment.

Keeping in mind the environment, we installed an auto-stop system as to make the engine stop when there is no cleaning activity for 30 minutes. What's more, it is possible to clean at less than 85dB because the trailer is completely closed during the work.

**The green idea of DiBO returns repeatedly:** like in the green coloured aerodynamic polyethylene case, which can be opened completely.

Besides the standard version, this JMB-M high pressure trailer is also available as a full option "+" version.

**The JMB-M+ version includes:**

- Electronic level indication for fuel and water tank
- Electronic gas regulation with automatic speed control

## EXCLUSIVE TECHNOLOGIES



Modern design



High quality materials



Radial high-pressure pump



Heat-exchanger



Automatic idling speed



GreenBoiler



Track & trace system (Option)



Steam function (option)



5 Year warranty



12h use



Stage 5 ready

## PRODUCT SPECIFICATIONS

- New operating panel with digital display and joystick:
  - Everything visible at a glance. Easy to adjust with a handy joystick and to operate with gloves.
  - Electronic setting of the temperature (exact & constant)
  - Electronic control with pressure gauge, hour counter, maintenance information, error messages and device functions that facilitate maintenance
  - The digital display indicates continuously the status of the machine and alarm.
- Modern & aerodynamic design for less air resistance
- UV-resistant double-walled housing in rotation moulded polyethylene → sound insulated: ≥ 85 dB
- Galvanized trailer fitted with support and swivel wheel with rotation casted polyethylene housing (light-weight)

## TECHNICAL SPECIFICATIONS

- High-tech heating system:
  - 110 kW GreenBoiler for a greater efficiency > 92%
  - 18% fuel saving
  - Low CO2 emission
  - Low maintenance cost
- 110 kW GreenBoiler + 20 kW heat exchanger = 130 kW heating power
- Industrial diesel motor water cooled in combination with a heat-exchanger, ensuring the pre-heating of the supply water with a further 15% in fuel savings
- 33 % total fuel saving by combining GreenBoiler and heat exchanger
- Radial high pressure pump with 3 ceramic plungers and stainless steel valves
- Boiler with independent motor fitted and fuel valve with electronic ignition
- 12 V operating voltage for electronic control and for the burner
- Washable water filter
- Run dry protection on the water and fuel tank
- Ingenious start/stop system at the JMB-M 500/30 → 8 - 10% fuel saving
- Auto-stop system stops the engine after 30 min. without spraying activity
- Trailer version: galvanized trailer fitted with support and swivel wheel with rotation casted polyethylene housing (light-weight)
- Prepared for a specially cushioned axle (in line with German law)
- Automatic pre-glowing
- 450 l built-in water tank (only for TG and S version)
- Pressure reduction up to 10 bar with sealed gun
- Pressure and flow regulation via speed engine governor (manually (standard) or electronically ("+" version))
- Digital control and reporting on display of :
  - motor functions
  - flame monitoring
  - water level (\*)
  - fuel level (\*)
- Automatic idling → less consumption (\*)

Note: (\*) = only at "+"-version

## STANDARD EQUIPMENT

| Code            | Item description   |
|-----------------|--|
| 1.211.5xx       | High pressure gun with swivel → large manoeuvrability of the wash gun                                  |
| 1.216.729.xxxxx | Single stainless steel lance with high pressure nozzle and rotating quick coupling (≤ 250 bar)         |
| 1.216.749.xxxxx | Single stainless steel lance with high pressure nozzle and rotating quick coupling (> 250 & ≤ 350 bar) |
| 1.216.769.xxxxx | Single stainless steel lance with high pressure nozzle and rotating quick coupling (> 350 & ≤ 500 bar) |
| code            | Built-in hose reel (JMB-M) with high-pressure hose (3/8", 40 m) → wide operation range                 |
| code            | Built-in hose reel (JMB-M) with low-pressure hose (3/4", 25 m) → wide operation range                  |

## OPTIONAL ACCESSORIES

| Code      | Item description   |
|-----------|--|
| 1.230.18x | Steam lance (Not for the JMB-M 500/30. Please always indicate when ordering the working pressure of the JMB-M) |

## OPTIONAL EQUIPMENT

| Code      | Item description  |
|-----------|---|
| 1.230.160 | Supplement for steam function 140° C (<30 bar) - valve, hp hose with thermal protection, pistol, lance and steam nozzle included (Not for the JMB-M 500/30)   |
| 1.230.051 | Supplement for anti-scaling system by dosing pump on flow (level detection). It's recommended to always order the anti-scaling option together with the steamfunction for the protection of the coil. |
| 1.230.290 | Transfer pump (feeding pump) for JMB-M/M+ and JMB-M-WK  |
| 1.230.240 | Light package JMB-M: work light + beacon activatable with joystick  |
| 1.230.200 | Supplement for protective tarp  |
| 1.230.18x | Steam lance (Not for the JMB-M 500/30. Please always indicate when ordering the working pressure of the JMB-M)  |
| 1.230.040 | Option separate spark arrester for motor and boiler to be mounted on JMB-M  |
| 1.230.212 | Supplement for detergent injector, with separate ball valve to choose option "chemicals" or "rinsing"   |
| 1.230.214 | Supplement for detergent injector, with separate ball valve to choose option "chemicals" or "rinsing" - max. 500 bar  |
| 1.230.150 | Supplement for Track & trace system (JMB-M)   |
| 1.890.000 | Yearly subscription for the activation of the Track & Trace option.   |

# JMB-M/M+ Built-in & Skid



In addition to the trailer version, this high-pressure cleaner is also available in a built-in and skid configuration.

The built-in unit can easily be integrated in a truck, van or trailer. (Note that there needs to be a 450 l water tank).

The skid version has some special features.

- An ergonomic design of its frame, makes this unit easy to move by using a fork-lift truck. Due to this the skid-unit can be used as a stationary unit or mobile, in any kind of vehicle.
- The skid version has a built-in 450 l water tank



Standard and optional equipment remain the same as for the trailer. When ordering, it is possible to choose a '+' version with or without additional options (see: Optional equipment)



## MODELS

### TRAILER

| Code      | Beschrijving     | bar | l/h  | °C       | kW            | KW  | l  | l   | mm                 | kg   |    |
|-----------|------------------|-----|------|----------|---------------|-----|----|-----|--------------------|------|----|
| 1.130.365 | JMB-M 200/18 TG  | 200 | 1080 | max. 110 | 11,7 (diesel) | 110 | 80 | 450 | 3500 x 1750 x 1600 | 960  | 55 |
| 1.130.367 | JMB-M+ 200/18 TG | 200 | 1080 | max. 110 | 11,7 (diesel) | 110 | 80 | 450 | 3500 x 1750 x 1600 | 960  | 55 |
| 1.130.465 | JMB-M 200/30 TG  | 200 | 1800 | max. 110 | 18,0 (diesel) | 110 | 80 | 450 | 3500 x 1750 x 1600 | 980  | 90 |
| 1.130.467 | JMB-M+ 200/30 TG | 200 | 1800 | max. 110 | 18,0 (diesel) | 110 | 80 | 450 | 3500 x 1750 x 1600 | 980  | 90 |
| 1.130.665 | JMB-M 350/18 TG  | 350 | 1080 | max. 110 | 18,0 (diesel) | 110 | 80 | 450 | 3500 x 1750 x 1600 | 980  | 40 |
| 1.130.667 | JMB-M+ 350/18 TG | 350 | 1080 | max. 110 | 18,0 (diesel) | 110 | 80 | 450 | 3500 x 1750 x 1600 | 980  | 40 |
| 1.130.840 | JMB-M 500/15 TG  | 500 | 900  | max. 110 | 18,9 (diesel) | 110 | 80 | 450 | 3500 x 1750 x 1600 | 990  | 30 |
| 1.130.842 | JMB-M+ 500/15 TG | 500 | 900  | max. 110 | 18,9 (diesel) | 110 | 80 | 450 | 3500 x 1750 x 1600 | 1055 | 30 |
| 1.131.915 | JMB-M+ 500/30 TG | 500 | 1800 | max. 110 | 31,0 (diesel) | 110 | 80 | 450 | 3500 x 1750 x 1600 | 1190 | 55 |

### BUILT-IN

| Code      | Beschrijving    | bar | l/h  | °C       | kW            | kW  | l  | mm                 | kg  |    |
|-----------|-----------------|-----|------|----------|---------------|-----|----|--------------------|-----|----|
| 1.130.350 | JMB-M 200/18 I  | 200 | 1080 | max. 110 | 11,7 (diesel) | 110 | 80 | 2150 x 1170 x 1070 | 530 | 55 |
| 1.130.352 | JMB-M+ 200/18 I | 200 | 1080 | max. 110 | 11,7 (diesel) | 110 | 80 | 2150 x 1170 x 1070 | 530 | 55 |
| 1.130.450 | JMB-M 200/30 I  | 200 | 1800 | max. 110 | 18,0 (diesel) | 110 | 80 | 2150 x 1170 x 1070 | 550 | 90 |
| 1.130.452 | JMB-M+ 200/30 I | 200 | 1800 | max. 110 | 18,0 (diesel) | 110 | 80 | 2150 x 1170 x 1070 | 550 | 90 |
| 1.130.650 | JMB-M 350/18 I  | 350 | 1080 | max. 110 | 18,0 (diesel) | 110 | 80 | 2150x1170x1070     | 550 | 40 |
| 1.130.652 | JMB-M+ 350/18 I | 350 | 1080 | max. 110 | 18,0 (diesel) | 110 | 80 | 2150 x 1170 x 1070 | 550 | 40 |
| 1.130.825 | JMB-M 500/15 I  | 500 | 900  | max. 110 | 18,9 (diesel) | 110 | 80 | 2150 x 1170 x 1070 | 560 | 30 |
| 1.130.827 | JMB-M+ 500/15 I | 500 | 900  | max. 110 | 18,9 (diesel) | 110 | 80 | 2150 x 1170 x 1070 | 550 | 30 |
| 1.130.883 | JMB-M+ 500/30 I | 500 | 1800 | max. 110 | 31,0 (diesel) | 110 | 80 | 2150 x 1170 x 1070 | 765 | 55 |

### SKID

| Code      | Beschrijving    | bar | l/h  | °C       | kW            | KW  | l  | l   | mm             | kg  |     |
|-----------|-----------------|-----|------|----------|---------------|-----|----|-----|----------------|-----|-----|
| 1.130.355 | JMB-M 200/18 S  | 200 | 1080 | max. 110 | 11,7 (diesel) | 110 | 80 | 450 | 2500x1750x1450 | 735 | 055 |
| 1.130.357 | JMB-M+ 200/18 S | 200 | 1080 | max. 110 | 11,7 (diesel) | 110 | 80 | 450 | 2500x1750x1450 | 735 | 055 |
| 1.130.457 | JMB-M+ 200/30 S | 200 | 1800 | max. 110 | 18,0 (diesel) | 110 | 80 | 450 | 2500x1750x1450 | 735 | 090 |
| 1.130.655 | JMB-M 350/18 S  | 350 | 1080 | max. 110 | 18,0 (diesel) | 110 | 80 | 450 | 2500x1750x1450 | 760 | 040 |
| 1.130.657 | JMB-M+ 350/18 S | 350 | 1080 | max. 110 | 18,0 (diesel) | 110 | 80 | 450 | 2500x1750x1450 | 760 | 040 |
| 1.130.865 | JMB-M 500/18 S  | 500 | 1080 | max. 110 | 24,5 (diesel) | 110 | 80 | 450 | 2500x1750x1450 | 980 | 035 |
| 1.130.867 | JMB-M+ 500/18 S | 500 | 1080 | max. 110 | 24,5 (diesel) | 110 | 80 | 450 | 2500x1750x1450 | 980 | 035 |
| 1.130.888 | JMB-M+ 500/30 S | 500 | 1800 | max. 110 | 31,0 (diesel) | 110 | 80 | 450 | 2500x1750x1450 | 980 | 055 |

# JMB-MG



Green cleaning with the **JMB-MG** high pressure trailer running entirely on **CNG-gas**.

For this purpose the high pressure cleaner on trailer has a Kubota water-cooled motor running on CNG gas, with a CAN-BUS-controlled ECU that accurately regulates all motor parameters as controlled by the DiBO control unit.

This motor also has a heat recovery system that partly preheats the cleaning water.

## EXCLUSIVE TECHNOLOGIES



Modern design



High quality materials



Motor pump coupling using reduction gearbox



Heat-exchanger



GreenBoiler-CNG



Radial high-pressure pump



Digital display with joystick operation



Stage 5 ready



Steam function (option)



Steam function (option)  
140°C



Track & trace system (Option)



5 Year warranty

## PRODUCT SPECIFICATIONS

- DOUBLE-WALLED housing in POLYESTER:
  - Noise-insulating
  - Optionally available in different RAL colours
- Digital operation with joystick
- Unnecessary and impossible to open the trailer for cleaning → the controls and all tools are within easy reach on the outside.
- Unique storage system for tools and accessories. (see picture)
- Digital control and reporting on display of:
  - motor functions
  - flame monitoring
  - water level
  - CNG level for both tanks

## STANDARD EQUIPMENT

| Code            | Item description   |
|-----------------|--|
| code            | Built-in hose reel (JMB-M) with high-pressure hose (3/8", 40 m) → wide operation range                 |
| code            | Built-in hose reel (JMB-M) with low-pressure hose (3/4", 25 m) → wide operation range                  |
| 1.216.729.xxxxx | Single stainless steel lance with high pressure nozzle and rotating quick coupling (≤ 250 bar)         |
| 1.216.749.xxxxx | Single stainless steel lance with high pressure nozzle and rotating quick coupling (> 250 & ≤ 350 bar) |
| 1.211.5xx       | High pressure gun with swivel → large manoeuvrability of the wash gun                                  |

## TECHNICAL SPECIFICATIONS

- Industrial 18 kW water-cooled Kubota motor running on CNG gas with heat recovery system. The motor's heat recovery system means less energy consumption is needed to bring the cleaning water up to temperature
- Optimal CNG motor safety, being fitted with a CAN BUS-controlled ECU and DiBO control unit.
- 70 kW GreenBoiler-CNG
- Control 24 VDC and burner 230 VAC
- CNG tanks (2x 75 l) with gas pressure regulators - gas pressure regulation circuit with the necessary safety and detection devices
- Electronic level indication with low level monitoring for the water tank and CNG tanks.
- Radial high pressure pump with 3 ceramic plungers and stainless steel valves
- Washable water filter
- Pressure-free starting
- Auto-stop system stops the engine after 30 min. without spraying activity
- 450 l built-in water tank (only for TG and S version)
- Pressure relief up to <25 bar with sealed gun → safety
- Electronic pressure and flow regulation via electronic speed engine governor
- Automatic idling → less consumption (\*)
- Trailer version: galvanized trailer fitted with support and swivel wheel, an AL-KO chassis with rotation casted polyethylene tank and polyester housing
- Required towing capacity = 1800 kg



# JMB-MG



**Basic (AK):** includes the above technical specifications with the addition of:

Anti-scaling system by dosing pump on flow (including run dry protection)

Green/grey protective cover with sensor, so that it cannot be opened during work (cleaning)

In addition to the basic version, this JMB-MG high-pressure trailer is also available in a version with the following options (\*):

**Basic (AK) + Two man operation for high pressure (M2):** the possibility to clean with 2 persons simultaneously with high pressure. The low pressure hose is replaced by a high pressure hose. In addition to the standard accessories, there are also 2 high-pressure lances for half-flow and 1 pistol.

**Basic (AK) + Steam function (SF):** Steam function 140° C (30 bar) - includes a selection tap for optional steam and a high-pressure hose with heat protection. In addition to the standard accessories, there is also a steam lance.

**Basic (AK) + Two man operation for steam function (SF2):** the possibility of steam cleaning with 2 persons simultaneously. Steam function 140° C (30 bar) - includes a selection tap for optional steam, a high-pressure hose with heat protection and a steam lance. The low-pressure hose reel is replaced by a high-pressure hose reel. In addition to the standard accessories, there are also 2 half-flow steam lances and 1 gun.

**Basic (AK) + Two man operation for steam function (SF2) + Two man operation for high pressure (M2):** the possibility of cleaning with high pressure and/or steam with 2 persons simultaneously. Steam function 140° C (30 bar) - includes a selection tap for optional steam, a high-pressure hose with heat protection and a steam lance. In addition to the standard accessories, there are also 2 high-pressure lances and 2 steam lances for half-flow and 1 gun.

(\* ) Pressure and flow rate determine the availability of each version. (See table on p. 49)

Every model is also available as built-in (I) and skid configuration (S).

## MODELS

| Code        | description                    | bar | l/u  | °C       | kW | kW | l   | mm                 | kg   |     |
|-------------|--------------------------------|-----|------|----------|----|----|-----|--------------------|------|-----|
| 1.134.G.504 | JMB-MG 249/15 TG AK (+)        | 249 | 900  | max. 110 | 18 | 70 | 450 | 3500 x 1800 x 1750 | 1210 | 040 |
| 1.134.G.510 | JMB-MG 249/15 TG AK SF (+)     | 249 | 900  | max. 110 | 18 | 70 | 450 | 3500 x 1800 x 1750 | 1210 | 040 |
| 1.134.G.522 | JMB-MG 249/15 TG AK SF2 (+)    | 249 | 900  | max. 110 | 18 | 70 | 450 | 3500 x 1800 x 1750 | 1210 | 040 |
| 1.134.G.544 | JMB-MG 249/25 TG AK (+)        | 249 | 1500 | max. 110 | 18 | 70 | 450 | 3500 x 1800 x 1750 | 1210 | 065 |
| 1.134.G.550 | JMB-MG 249/25 TG AK SF (+)     | 249 | 1500 | max. 110 | 18 | 70 | 450 | 3500 x 1800 x 1750 | 1210 | 065 |
| 1.134.G.556 | JMB-MG 249/25 TG AK M2 (+)     | 249 | 1500 | max. 110 | 18 | 70 | 450 | 3500 x 1800 x 1750 | 1210 | 065 |
| 1.134.G.562 | JMB-MG 249/25 TG AK SF2 M2 (+) | 249 | 1500 | max. 110 | 18 | 70 | 450 | 3500 x 1800 x 1750 | 1210 | 065 |
| 1.134.G.654 | JMB-MG 350/18 TG AK (+)        | 350 | 1080 | max. 110 | 18 | 70 | 450 | 3500 x 1800 x 1750 | 1210 | 040 |
| 1.134.G.660 | JMB-MG 350/18 TG AK SF (+)     | 350 | 1080 | max. 110 | 18 | 70 | 450 | 3500 x 1800 x 1750 | 1210 | 040 |
| 1.134.G.672 | JMB-MG 350/18 TG AK SF2 (+)    | 350 | 1080 | max. 110 | 18 | 70 | 450 | 3500 x 1800 x 1750 | 1210 | 040 |

## OPTIONAL EQUIPMENT

| Code                | Item description   |
|---------------------|--|
| 1.234.290           | (TP) Supplement for transfer pump  |
| 1.234.247           | (DH) Supplement for pressure-retaining valve (to replace the standard pressure-free)   |
| 1.234.240           | Supplement for light package JMB-MG/ME: work light + beacon activatable with joystick  |
| 1.234.150           | (TT) Supplement for track & trace system (JMB-MG/ME)   |
| 1.890.000           | Yearly subscription for the activation of the Track & Trace option.  |
| 1.234.07x           | (COL) Supplement for protective housing in a DiBO RAL colour:<br>(WH) RAL9016 - white<br>• (BK) RAL 9017 - black<br>• (BU) RAL 5002 - blue<br>• (OG) RAL 2009 - orange<br>(Note: when ordering, please specify one of the following RAL colours) |
| 1.234.074.(RAL)xxxx | (COL) Supplement for protective housing in your chosen RAL colour (Note: when ordering, please specify your chosen RAL colour)   |



# JMB-ME



DiBO pushes ahead with its green philosophy. The DiBO **JMB-ME** is a high pressure cleaner with **water-cooled electric motor** running on a **25 kWh Li-ion battery**.

The battery management system (BMS) with which the battery is controlled guarantees a long life and its performance capacity is maintained.

Another plus: thanks to electric motor the noise production of this model has been lowered to  $\leq 75$  dB.

## EXCLUSIVE TECHNOLOGIES



Modern design



High quality materials



GreenBoiler-CNG



Radial high-pressure pump



Flexible motor/pump coupling



Digital display with joystick operation



Automatic idling speed



Steam function (option)



5 Year warranty



Track & trace system (Option)

## PRODUCT SPECIFICATIONS

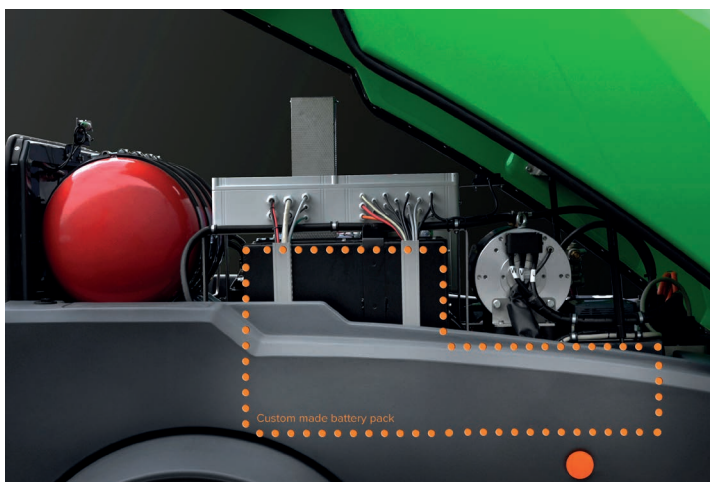
- DOUBLE-WALLED housing in POLYESTER:
  - Noise-insulating
  - Optionally available in different RAL colours
- Digital operation with joystick
- Unnecessary and impossible to open the trailer for cleaning → the controls and all tools are within easy reach on the outside.
- Unique storage system for tools and accessories.(see picture)
- Digital control and reporting on display of:
  - motor functions
  - burner\* water level
  - CNG level for both tanks
  - battery percentage
  - fault reports

## STANDARD EQUIPMENT

| Code            | Item description   |
|-----------------|--|
| code            | Built-in hose reel (JMB-M) with high-pressure hose (3/8", 40 m) → wide operation range               |
| code            | Built-in hose reel (JMB-M) with low-pressure hose (3/4", 25 m) → wide operation range                |
| 1.216.729.xxxxx | Single stainless steel lance with high pressure nozzle and rotating quick coupling ( $\leq 250$ bar) |
| 1.211.5xx       | High pressure gun with swivel → large manoeuvrability of the wash gun                                |

## TECHNICAL SPECIFICATIONS

- Water-cooled frequency-controlled 0.5 – 6 kW electric motor working on low-voltage (48 V) so no conversion losses.
  - Environmentally friendly
  - Exceptionally low noise production  $\leq 75$  dB
  - Maintenance-free
  - Lower and 40% less expensive energy consumption
- The 25 kW-48 V Li-ion battery with BMS system was fully custom-made and tailored for the cleaning work.
  - Efficient, compact and lightweight long life LI-ion battery with high energy density/kg
  - Easy to recharge at any time (any 230 V socket)
  - The battery supplies its power as efficiently as possible
  - Long working time: up to six hours of high pressure cleaning and 11 hours with the optional steam function (SF) or weed killing function (WK)
- 70 kW GreenBoiler-CNG
- Control 24 VDC and burner 230 VAC
- Electronic level indication with low level monitoring for the water tank and CNG tanks.
- Battery percentage shown on the display
- CNG tanks (2x 75 l) with gas pressure regulators - gas pressure regulation circuit with the necessary safety and detection devices
- Radial high pressure pump with 3 ceramic plungers and stainless steel valves
- Washable water filter
- Pressure-free starting
- Auto-stop system stops the engine after 30 min. without spraying activity
- 400 l built-in water tank (only for TG and S version)
- Pressure relief up to  $< 25$  bar with sealed gun → safety
- Electronic pressure and flow regulation via electronic speed engine governor
- Automatic idling → less consumption (\*)
- Trailer version: galvanized trailer fitted with support and swivel wheel, an AL-KO chassis with rotation casted polyethylene tank and polyester housing
- Required towing capacity = 1900 kg



# JMB-ME



**Basic (AK):** includes the above technical specifications with the addition of:

Anti-scaling system by dosing pump on flow (including run dry protection)

Green/grey protective cover with sensor, so that it cannot be opened during work (cleaning)

In addition to the basic version, this JMB-ME high-pressure trailer is also available in a version with the following options (\*):

**Basic (AK) + Steam function (SF):** Steam function 140° C (30 bar) - includes a selection tap for optional steam and a high-pressure hose with heat protection. In addition to the standard accessories, there is also a steam lance.

**Basic (AK) + Two man operation for steam function (SF2):** the possibility of steam cleaning with 2 persons simultaneously. Steam function 140° C (30 bar) - includes a selection tap for optional steam, a high-pressure hose with heat protection and a steam lance. The low-pressure hose reel is replaced by a high-pressure hose reel. In addition to the standard accessories, there are also 2 half-flow steam lances and 1 gun.

**Basic (AK) + WK-model (WK):** the possibility to control weeds with the hot water function equipped with the TC system. Additional lance for weed control is included. The machine is equipped with a transfer pump (TP)

(\*) Pressure and flow rate determine the availability of each version. (See table on p.53)

Every model is also available as built-in (I) and skid configuration (S).

## MODELS

| Code        | description                 | bar | l/u  | °C       | Li-ion                                | kW      | kW | l   | mm                 | kg       |
|-------------|-----------------------------|-----|------|----------|---------------------------------------|---------|----|-----|--------------------|----------|
| 1.134.E.254 | JMB-ME 170/18 TG AK (+)     | 170 | 1080 | max. 110 | Li-Ion battery - 48 V- 25 kWh - (BMS) | 0,5 - 6 | 70 | 400 | 3500 x 1800 x 1750 | - 060    |
| 1.134.E.260 | JMB-ME 170/18 TG AK SF (+)  | 170 | 1080 | max. 110 | Li-Ion battery - 48 V- 25 kWh - (BMS) | 0,5 - 6 | 70 | 400 | 3500 x 1800 x 1750 | - 060    |
| 1.134.E.272 | JMB-ME 170/18 TG AK SF2 (+) | 170 | 1080 | max. 110 | Li-Ion battery - 48 V- 25 kWh - (BMS) | 0,5 - 6 | 70 | 400 | 3500 x 1800 x 1750 | - 060    |
| 1.134.E.304 | JMB-ME 200/15 TG AK (+)     | 200 | 900  | max. 110 | Li-Ion battery - 48 V- 25 kWh - (BMS) | 0,5 - 6 | 70 | 400 | 3500 x 1800 x 1750 | 1400 060 |
| 1.134.E.310 | JMB-ME 200/15 TG AK SF (+)  | 200 | 900  | max. 110 | Li-Ion battery - 48 V- 25 kWh - (BMS) | 0,5 - 6 | 70 | 400 | 3500 x 1800 x 1750 | 1410 045 |
| 1.134.E.322 | JMB-ME 200/15 TG AK SF2 (+) | 200 | 900  | max. 110 | Li-Ion battery - 48 V- 25 kWh - (BMS) | 0,5 - 6 | 70 | 400 | 3500 x 1800 x 1750 | 1430 045 |
| 1.134.E.504 | JMB-ME 249/13 TG AK (+)     | 249 | 780  | max. 110 | Li-Ion battery - 48 V- 25 kWh - (BMS) | 0,5 - 6 | 70 | 400 | 3500 x 1800 x 1750 | 1465 035 |
| 1.134.E.510 | JMB-ME 249/13 TG AK SF (+)  | 249 | 780  | max. 110 | Li-Ion battery - 48 V- 25 kWh - (BMS) | 0,5 - 6 | 70 | 400 | 3500 x 1800 x 1750 | 1475 035 |
| 1.134.E.522 | JMB-ME 249/13 TG AK SF2 (+) | 249 | 780  | max. 110 | Li-Ion battery - 48 V- 25 kWh - (BMS) | 0,5 - 6 | 70 | 400 | 3500 x 1800 x 1750 | 1495 035 |

## OPTIONAL EQUIPMENT

| Code                | Item description   |
|---------------------|--|
| 1.234.290           | (TP) Supplement for transfer pump  |
| 1.234.247           | (DH) Supplement for pressure-retaining valve (to replace the standard pressure-free)   |
| 1.234.240           | Supplement for light package JMB-MG/ME: work light + beacon activatable with joystick  |
| 1.234.150           | (TT) Supplement for track & trace system (JMB-MG/ME)   |
| 1.890.000           | Yearly subscription for the activation of the Track & Trace option.  |
| 1.234.07x           | (COL) Supplement for protective housing in a DiBO RAL colour:<br>(WH) RAL9016 - white<br>• (BK) RAL 9017 - black<br>• (BU) RAL 5002 - blue<br>• (OG) RAL 2009 - orange<br>(Note: when ordering, please specify one of the following RAL colours) |
| 1.234.074.(RAL)xxxx | (COL) Supplement for protective housing in your chosen RAL colour (Note: when ordering, please specify your chosen RAL colour)   |



# JMB-C+



Due to its on-board power source and self-contained operation, the **JMB-C+** is easy to use in even in places where there is no electricity. It is ideally suited for a wide range of cleaning jobs, because it offers the choice of cold- or hot-water cleaning and because of its high capacity. The unit is mounted on a galvanized trailer fitted with brakes.

With a built-in high- and low-pressure hose reel, the radius of use of this mobile cleaner is even greater. New and progressive are the Track & Trace system and the operating panel with digital display and joystick.

## EXCLUSIVE TECHNOLOGIES



**Radial high-pressure pump**



**Automatic idling speed**



**Heat-exchanger**



**GreenBoiler**



**Digital display with joystick operation**



**Track & trace system (Option)**



**5 Year warranty**



**12h use**


## PRODUCT SPECIFICATIONS

- Galvanized single- or double-axle trailer fitted with swivel wheel and brake
- New operating panel with digital display and joystick:
- Everything visible at a glance. Easy to adjust with a handy joystick and to operate with gloves.
  - Electronic setting of the temperature (exact & constant)
  - Electronic control with pressure gauge, hour counter, maintenance information, error messages and device functions that facilitate maintenance.
  - The digital display indicates continuously the status of the machine and alarm.

## TECHNICAL SPECIFICATIONS

- High-tech heating system:
  - 110 kW GreenBoiler for a greater efficiency > 92%
  - 18% fuel saving
  - Low CO2 emission
  - Low maintenance cost
- 33 % total fuel saving by combining GreenBoiler and heat exchanger
- 110 kW GreenBoiler + 20 kW heat exchanger = 130 kW heating power
- Radial high pressure pump with 3 ceramic plungers and stainless steel valves
- Boiler with independent motor fitted and fuel valve with electronic ignition
- 12 V operating voltage for the electronic control unit and burner boiler
- Pressure reduction up to 10 bar with sealed gun
- Horizontal stainless steel water and fuel tank
- Industrial 2 ,3 or 4-cylinder diesel engine with preheating of the water in the tank via heat exchanger. This saves up 15 % fuel for the burner
- Motor control system with electronic control
- With security: level indicator of the fuel and water tank on the display with alarm
- Electronic continuously variable pressure and flow control using speed regulation
- Automatic speed regulation, idling after 30s
- Auto-stop system stops the engine after 30 min. without spraying activity
- Automatic pre-glowing
- Digital control and reporting on display of :
  - motor functions- flame monitoring
  - water level
  - fuel level

## MODELS

|  |  |  |  |  |  |  |  |  |  |  |  |
|---|---|---|---|---|---|---|--|---|---|---|---|
| Code  | Description   | bar   | l/h   | °C  | kW  | kW  | l  | l   | mm  | kg  | kg  |
| 1.133.360   | JMB-C+ 200/18 TG  | 200   | 1080  | max. 110  | 11,7 (diesel)   | 110   | 104  | 400   | 3825 x 1535 x 2240  | 870   | 55  |
| 1.133.365   | JMB-C+ 200/18 TG2   | 200   | 1080  | max. 110  | 11,7 (diesel)   | 110   | 104  | 620   | 3825 x 1765 x 2240  | 1050  | 55  |
| 1.133.460   | JMB-C+ 200/30 TG  | 200   | 1800  | max. 110  | 18,0 (diesel)   | 110   | 104  | 400   | 3825 x 1535 x 2240  | 870   | 90  |
| 1.133.465   | JMB-C+ 200/30 TG2   | 200   | 1800  | max. 110  | 18,0 (diesel)   | 110   | 104  | 620   | 3825 x 1765 x 2240  | 1050  | 90  |
| 1.133.660   | JMB-C+ 350/18 TG  | 350   | 1080  | max. 110  | 18,0 (diesel)   | 110   | 104  | 400   | 3825 x 1535 x 2240  | 870   | 40  |
| 1.133.665   | JMB-C+ 350/18 TG2   | 350   | 1080  | max. 110  | 18,0 (diesel)   | 110   | 104  | 620   | 3825 x 1765 x 2240  | 1050  | 40  |
| 1.133.835   | JMB-C+ 500/15 TG  | 500   | 900   | max. 110  | 18,9 (diesel)   | 110   | 104  | 400   | 3825 x 1535 x 2240  | 890   | 30  |
| 1.133.840   | JMB-C+ 500/15 TG2   | 500   | 900   | max. 110  | 18,9 (diesel)   | 110   | 104  | 620   | 3825 x 1765 x 2240  | 1070  | 30  |

## STANDARD EQUIPMENT

| Code            | Item description   |
|-----------------|--|
| 1.211.5xx       | High pressure gun with swivel → large manoeuvrability of the wash gun  |
| 1.216.729.xxxxx | Single stainless steel lance with high pressure nozzle and rotating quick coupling (≤ 250 bar)   |
| 1.216.749.xxxxx | Single stainless steel lance with high pressure nozzle and rotating quick coupling (> 250 & ≤ 350 bar)   |
| 1.216.769.xxxxx | Single stainless steel lance with high pressure nozzle and rotating quick coupling (> 350 & ≤ 500 bar)   |
| code            | Integrated high and low pressure hose reels (JMB-C+ and JMB-C+ WWC) with 50 m high pressure hose (3/8") and 50 m low pressure hose (3/4") → wide operation range |
| code            | Built-in hose reel with low-pressure hose (3/4", 50 m) → wide operation range  |

## OPTIONAL EQUIPMENT

| Code      | Item description  |
|-----------|---|
| 1.232.020 | Wireless remote control   |
| 1.232.035 | Extra 3rd hose reel (without hose)                                  |
| 1.235.050 | Anti-scaling system   |
| 1.232.030 | Stainless steel fuel tank (104l) for built-in configuration         |
| 1.232.150 | Supplement for Track & trace system (JMB-C)                         |
| 1.890.000 | Yearly subscription for the activation of the Track & Trace option. |

# JMB-E-WK



The **JMB-E-WK** is a multifunctional and environmentally friendly moss and weed killer that can also be used as a high pressure cleaner.

This compact machine does not need a plug socket, and thanks to the recesses in the frame can easily be lifted into a van or trailer with a fork-lift truck. This weed killer also works based on hot water technology with the hot water being generated by a 70 or 110 kW DiBO GreenBoiler.

Thanks to our ingenious TC system (Temperature Control) incorporated in the low pressure function (= WK function) the machine supplies a constant water temperature of 99 °C to the surface.

The JMB-E-WK is ideal for treating smaller surface areas such as terraces, drives, parking spaces and playgrounds.

## PRODUCT FEATURES



Modern design



High quality materials



Robust frame



Radial high-pressure pump



Motor pump coupling using reduction gearbox



TC system



GreenBoiler



Digital display with joystick operation



5 Year warranty



12h use

## PRODUCT SPECIFICATIONS

- A powder-lacquered steel frame → prevention from corrosion and robust
- High quality materials: UV-resistant and thick walled rotation casted polyethylene in combination with stainless steel → very solid, colourfast and scratch protection and no corrosion
- New operating panel with digital display and joystick:
  - Everything visible at a glance.
  - Easy to adjust with a handy joystick and to operate with gloves.
  - Electronic setting of the temperature (exact & constant)
  - Electronic control with pressure gauge, hour counter, maintenance information, error messages and device functions that facilitate maintenance.
  - The digital display indicates continuously the status of the machine and alarm.
- Easy to move by using a fork-lift truck
- 2 integrated lance holders → ergonomic

## STANDARD EQUIPMENT

| Code      | Item description   |
|-----------|--|
| 1.644.052 | Single stainless steel lance with high pressure nozzle and rotating quick coupling |
| 1.643.014 | High pressure gun with swivel → large manoeuvrability of the wash gun              |
| 1.840.030 | Safety: Set of heat-resistant gloves   |

## TECHNICAL SPECIFICATIONS

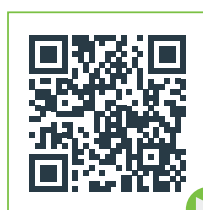
- High-tech heating system:
  - 70 or 110 kW GreenBoiler for a greater efficiency > 92%
  - 18% fuel saving
  - Low CO2 emission
  - Low maintenance cost
- 12 V operating voltage for the electronic control unit and burner boiler
- Available as version with diesel engine, electrical starting and a 27 l fuel tank for motor and Greenboiler
- Radial high pressure pump with 3 ceramic plungers and stainless steel valves → fewer vibrations and less noise
- Engine/pump coupling via reduction gearbox
- TC-system: In WK-function there is a constant water temperature of 99 °C at the special lance for weed killing (WK)
- Automatic air cooling
- Overheat protection for the motor
- Coarse particle filter
- Pressure gauge
- Vibration dampers
- Automatic idling → less fuel consumption (\*)
- Pressure relief up to <25 bar with sealed gun → safety

## MODELS

| code      | description     | bar                 | l/h                  | ° C                                 | kW  | kW  | l  | m  | mm                | kg  |
|-----------|-----------------|---------------------|----------------------|-------------------------------------|-----|-----|----|----|-------------------|-----|
| 1.126.353 | JMB-E-WK 200/15 | <30 (WK) / 200 (HD) | 600 (WK) / 900 (HD)  | 99° on surface (WK) / 30 - 100 (HD) | 7.5 | 70  | 50 | 25 | 1166 x 642 x 1120 | 365 |
| 1.126.353 | JMB-E-WK 150/21 | <30 (WK) / 150 (HD) | 900 (WK) / 1260 (HD) | 99° on surface (WK) / 30 - 100 (HD) | 7.5 | 110 | 50 | 25 | 1166 x 642 x 1120 | 450 |

## OPTIONAL ACCESSORIES

| Code      | Item description   |
|-----------|--|
| 1.226.026 | 25 m high pressure hose reel   |
| 1.230.296 | 25 cm - Stainless steel WK-lance with temperature sticker for weed control |
| 1.230.312 | One set of large removable wheels for WK-lance                             |



WK-lance



1.230.296



1.230.312

# JMB-S-WK+



The **JMB-S-WK+** is a compact environmentally friendly moss and weed killer on a trailer equipped with the latest and greenest technologies. The machine can also be used as a high pressure cleaner (2 in 1).

Also ideal for cleaning work outside the weed season.

**You tackle the problem ‘thoroughly’ with a DiBO.**

Using this hot water technology means killing weeds and moss in an effective way **without pesticides**.

Thanks to our ingenious TC system (Temperature Control) incorporated in the low pressure function (= WK function) the machine supplies a constant water temperature of 99 ° C to the surface.

The protective guard must stay closed during the work. This lengthens the working life of the machine and means little noise is produced (less than 85 dB).

Intuitive digital operation with a joystick is a new and advanced feature..

## PRODUCT FEATURES



Modern design



High quality materials



Radial high-pressure pump



Motor pump coupling using reduction gearbox



Heat-exchanger



TC system



GreenBoiler



Digital display with joystick operation



Track & trace system (Option)



5 Year warranty



12h use

## PRODUCT SPECIFICATIONS

- Modern & aerodynamic design for less air resistance
- New operating panel with digital display and joystick:
  - Everything visible at a glance.
  - Easy to adjust with a handy joystick and to operate with gloves
  - Electronic setting of the temperature (exact & constant
  - Electronic control with pressure gauge, hour counter, maintenance information, error messages and device functions that facilitate maintenance
  - The digital display indicates continuously the status of the machine and alarm.
- UV-resistant double-walled housing in rotation moulded polyethylene → sound insulated: <85 dB
- All functionality needed for the activities are brought together on the rear of the machine, everything within hand reach
- Trailer version is built on a galvanized trailer fitted with support and swivel wheel
- Ultra-compact and lightweight <750 kg (no special driver's license required)

## TECHNICAL SPECIFICATIONS

- High-tech heating system:
  - 70 kW GreenBoiler for a greater efficiency > 92%
  - 18% fuel saving
  - Low CO2 emission
  - Low maintenance cost
- 70 kW GreenBoiler + 20 kW Intercooling = 90 kW heating capacity
- Industrial diesel motor water cooled in combination with a heat-exchanger, ensuring the pre-heating of the supply water with a further 15% in fuel savings
- Radial high pressure pump with 3 ceramic plungers and stainless steel valves
- TC-system: In WK-function there is a constant water temperature of 99 °C at the special lance for weed killing (WK)
- 12 V operating voltage for electronic control and for the burner
- Washable water filter
- Anti-limescale system with level detection
- Run dry protection on the water and fuel tank
- Automatic stop system after 30 minutes of inactivity
- Automatic pre-glowing
- 200 l built-in water tank (only for "T" "TG" and "S" version)
- Pressure reduction up to 10 bar with sealed gun
- Electronic pressure and flow regulation via electronic speed engine governor
- Digital control and reporting on display of :
  - motor functions
  - flame monitoring
  - water level (\*)
  - fuel level (\*)

## MODELS

| code      | description         | bar                                 | l/h                           | °C   | kW   | kW | l  | mm  | Kg             | kg  |     |
|-----------|---------------------|-------------------------------------|-------------------------------|--|------|----|----|-----|----------------|-----|-----|
| 1.128.368 | JMB-S-WK+ 200/18 TG | < 30 (WK-function) / up to 200 (HP) | 600 (WK-function) / 1080 (HP) | 99° on surface (WK-function) / max. 110 (HP) | 11.7 | 70 | 50 | 200 | 2665x1559x1354 | 740 | 055 |

## STANDARD EQUIPMENT

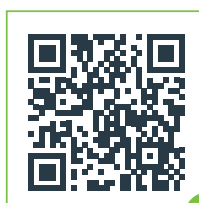
| Code            | Item description   |
|-----------------|--|
| 1.216.729.xxxxx | Single stainless steel lance with high pressure nozzle and rotating quick coupling (≤ 250 bar) |
| 1.228.298       | 40 cm - Stainless steel WK-lance with temperature sticker for weed control                     |
| 1.643.014       | High pressure gun with swivel → large manoeuvrability of the wash gun                          |
| 1.230.312       | One set of large removable wheels for WK-lance   |
| 1.840.030       | Safety: Set of heat-resistant gloves   |
| 1.228.290       | Transfer pump for JMB-S-WK+  |
|                 | One 25m high pressure hose 3/8" with heat protection   |
|                 | One DiBO stainless steel hose reel   |



1.228.298



1.230.312



WK-lance

## OPTIONAL EQUIPMENT

| Code      | Item description  |
|-----------|---|
| 1.228.240 | Light package JMB-S: work light + beacon activatable with joystick<br>Various colors are available on request |
| 1.228.200 | Supplement protective tarp  |
| 1.228.150 | Supplement for track & trace system (JMB-S)   |
| 1.890.000 | Yearly subscription for the activation of the Track & Trace option.   |

# JMB-M-WK+



The **JMB-M-WK+** is an environmentally friendly moss and weed killer on a trailer, which can also serve as a high pressure cleaner. By using the hot water technique, weeds and moss are effectively controlled without the use of pesticides.

Thanks to our ingenious TC system in low pressure function (= WK-function), the machine delivers a constant water temperature of 99° C up to the surface. The JMB-M-WK+ is constructed in such a way that two people can work with it simultaneously.

The protective cover must remain closed during work. This benefits the life of the machine and ensures that there is very little noise production (less than 85 dB). New and progressive is the operating panel with digital display and joystick.

## PRODUCT FEATURES



Modern design



High quality materials



Radial high-pressure pump



Heat-exchanger



TC system



GreenBoiler



Digital display with joystick operation



Track & trace system (Option)



5 Year warranty



12h use

## PRODUCT SPECIFICATIONS

- Modern & aerodynamic design for less air resistance
- New operating panel with digital display and joystick:
  - Everything visible at a glance. Easy to adjust with a handy joystick and to operate with gloves.
  - Electronic setting of the temperature (exact & constant)
  - Electronic control with pressure gauge, hour counter, maintenance information, error messages and device functions that facilitate maintenance.
  - The digital display indicates continuously the status of the machine and alarm.
- Extensive storage options: four lance holders under the guard and two extra lance holders on the outside
- Galvanized trailer fitted with support and swivel wheel with rotation casted polyethylene housing (light-weight)
- Reinforced swivel wheel with rubber tire

## TECHNICAL SPECIFICATIONS

- Industrial water-cooled 3-cylinder diesel motor (18.9 kW) with extra pre-heating of the supply water through a heat-exchanger so 15% less fuel is consumed
- TC-system: In WK-function there is a constant water temperature of 99 °C at the special lance for weed killing (WK)
- High-tech heating system:
  - 110 kW GreenBoiler for a greater efficiency > 92%
  - 18% fuel saving
  - Low CO2 emission
  - Low maintenance cost
- 110 kW GreenBoiler + 20 kW heat exchanger = 130 kW heating power
- Radial high pressure pump with 3 ceramic plungers and stainless steel valves
- 12 V operating voltage for the electronic control unit and burner boiler
- Automatically adjusts the speed depending on high pressure/Weed killing-function (WK)
- Automatic speed regulation, idling after 30s
- Built-in 450 l water tank
- Stepless pressure and flow regulation via speed engine governor → electronically
- Pressure reduction up to 10 bar with sealed gun
- Anti-limescale system with level detection
- Automatic pre-glowing
- Prepared for a specially cushioned axle (in line with German law)

## MODELS

| code      | description         | bar                          | l/h                           | °C  | kW   | kW  | l  | l   | mm                | Kg      |
|-----------|---------------------|------------------------------|-------------------------------|---|------|-----|----|-----|-------------------|---------|
| 1.130.545 | JMB-M-WK+ 250/25 TG | <30 (WK-function) / 250 (HP) | 960 (WK-function) / 1500 (HP) | 99 (on surface) (WK-function) / max. 110 (HP) | 11,9 | 110 | 80 | 450 | 3500 x 1750 x 160 | 1050 65 |

## STANDARD EQUIPMENT

| Code            | Item description   |
|-----------------|--|
|                 | Two DiBO stainless steel hose reels  |
|                 | Two 25m high pressure hoses 3/8" with heat protection  |
| 1.216.729.xxxxx | Single stainless steel lance with high pressure nozzle and rotating quick coupling (≤ 250 bar)             |
| 1.230.296       | 25 cm - Stainless steel WK-lance with temperature sticker for weed control (**Note:** JMB-M-WK+= 2 pieces) |
| 1.230.300       | 50 cm - Stainless steel WK-lance with temperature sticker for weed control                                 |
| 1.643.014       | High pressure gun with swivel → large manoeuvrability of the wash gun                                      |
| 1.230.312       | 2x set large, removable wheels   |
| 1.840.030       | Safety: Set of heat-resistant gloves   |
| 1.230.290       | Transfer pump for JMB-M-WK+  |

## OPTIONAL EQUIPMENT

| Code      | Item description  |
|-----------|---|
| 1.230.200 | Supplement for protective tarp<br>Various colors are available on request |
| 1.230.240 | Light package JMB-M: work light + beacon activatable with joystick        |
| 1.230.150 | Supplement for Track & trace system (JMB-M)                               |
| 1.890.000 | Yearly subscription for the activation of the Track & Trace option.       |



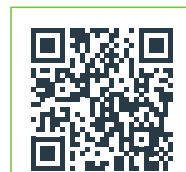
1.230.296



1.230.300



1.230.312



WK-lance

# JMB-MG-WK



Ecological weed control and green cleaning with the **JMB-MG-WK** a DiBO trailer that functions entirely on **CNG-gas**.

For this purpose the the weed controller on trailer has a Kubota water-cooled motor running on CNG gas, with a CAN-BUS-controlled ECU that accurately regulates all the engine parameters as controlled by the DiBO control unit.

This engine also has a heat recovery system that partly preheats the water in the tank.

In addition, the machine comes as standard in the plus version (+) with an anti-limescale system (AK).

## EXCLUSIVE TECHNOLOGIES



Modern design



High quality materials



GreenBoiler-CNG



Heat-exchanger



Radial high-pressure pump



Digital display with joystick operation



Automatic idling speed



Motor pump coupling using reduction gearbox



TC system



5 Year warranty



Track & trace system (Option)



Stage 5 ready

## PRODUCT SPECIFICATIONS

- DOUBLE-WALLED housing in POLYESTER:
  - Noise-insulating
  - Optionally available in different RAL colours
- Digital operation with joystick
- Digital control and reporting on display of:
  - motor functions
  - flame monitoring
  - water level
  - CNG level for both tanks
- Unnecessary and impossible to open the trailer for cleaning → the controls and all tools are within easy reach on the outside.
- Unique storage system for tools and accessories.(see picture)



## TECHNICAL SPECIFICATIONS

- Industrial 18 kW water-cooled Kubota motor running on CNG gas with heat recovery system. The motor's heat recovery system means less energy consumption is needed to bring the cleaning water up to temperature
- Optimal CNG motor safety, being fitted with a CAN BUS-controlled ECU and DiBO control unit.
- 70 kW GreenBoiler-CNG
- Control 24 VDC and burner 230 VAC
- CNG tanks (2x 75 l) with gas pressure regulators - gas pressure regulation circuit with the necessary safety and detection devices
- Electronic level indication with low level monitoring for the water tank and CNG tanks.
- Radial high pressure pump with 3 ceramic plungers and stainless steel valves
- Washable water filter
- Pressure-free starting
- Automatic stop system after 30 minutes of inactivity
- Trailer version: galvanized trailer fitted with support and swivel wheel, an AL-KO chassis with rotation casted polyethylene tank and polyester housing
- Built-in 450 l water tank
- Pressure relief up to <25 bar with sealed gun → safety
- Electronic pressure and flow regulation via electronic speed engine governor
- Automatic idling → less consumption
- Trailer version: galvanized trailer fitted with support and swivel wheel, an AL-KO chassis with rotation casted polyethylene tank and polyester housing
- Required towing capacity = 1800 kg

## MODELS

| Code       | description                | bar                                 | l/u                                 | °C   | kW | l  | l   | mm                 | kg   |
|------------|----------------------------|-------------------------------------|-------------------------------------|--|----|----|-----|--------------------|------|
| 1.134.6678 | JMB-MG 350/18 TG AK WK (+) | < 30 (WK-function) / up to 350 (HP) | 600 (WK-function) / up to 1080 (HP) | 99° on surface (WK-function) / max. 110 (HP) | 18 | 70 | 450 | 3500 x 1800 x 1750 | 1210 |

## STANDARD EQUIPMENT

| Code            | Item description   |
|-----------------|--|
| 1.208.749.xxxxx | Single lance with rotating high pressure nozzle → powerful water jet (only on 350 bar) |
| 1.211.5xx       | High pressure gun with swivel → large manoeuvrability of the wash gun                  |
| 1.234.290       | Transfer pump - JMB-MG/ME (TP)   |
| 1.230.297       | 35 cm - Stainless steel WK-lance with temperature sticker for weed control             |
| 1.230.312       | One set of large removable wheels for WK-lance   |

## OPTIONAL EQUIPMENT

| Code                | Item description   |
|---------------------|--|
| 1.234.247           | (DH) Supplement for pressure-retaining valve (to replace the standard pressure-free)   |
| 1.234.150           | (TT) Supplement for track & trace system (JMB-MG/ME)   |
| 1.890.000           | Yearly subscription for the activation of the Track & Trace option.  |
| 1.234.074.(RAL)xxxx | (COL) Supplement for protective housing in your chosen RAL colour (Note: when ordering, please specify your chosen RAL colour)   |
| 1.234.07x           | (COL) Supplement for protective housing in a DiBO RAL colour: <ul style="list-style-type: none"> <li>• (WH) RAL9016 - white</li> <li>• (BK) RAL 9017 - black</li> <li>• (BU) RAL 5002 - blue</li> <li>• (OG) RAL 2009 - orange</li> </ul> (Note: when ordering, please specify one of the following RAL colours) |



1.230.297



1.230.312



WK-lance

# JMB-ME-WK



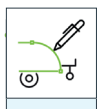
DiBO pushes ahead with its green philosophy. The **DiBO JMB-ME-WK** is a **moss and weed killer on a trailer** with **water-cooled electric motor** running on a **25 kWh Li-ion battery**.

The **battery management system (BMS)** with which the battery is controlled guarantees a long life and its performance capacity is maintained.

The JMB-ME-WK can also be used as a **high-pressure cleaner**.

Another plus: thanks to electric motor the noise production of this model has been lowered to **≤75 dB**. In addition, the machine comes as standard in the plus version (+) with an anti-limescale system (AK).

## EXCLUSIVE TECHNOLOGIES



Modern design



High quality materials



GreenBoiler-CNG



Flexible motor/pump coupling



Radial high-pressure pump



Digital display with joystick operation



Automatic idling speed



TC system



5 Year warranty



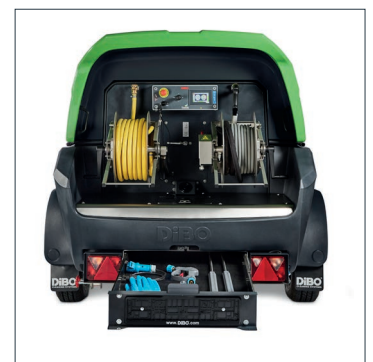
Track & trace system (Option)



12 h use

## PRODUCT SPECIFICATIONS

- DOUBLE-WALLED housing in POLYESTER:
  - Noise-insulating
  - Optionally available in different RAL colours
- Digital operation with joystick
- Digital control and reporting on display of:
  - Motor functions
  - Burner
  - Water level
  - CNG level for both tanks
  - Battery percentage
  - Malfunctions
- Unique storage system for tools and accessories.(see picture)
- Unnecessary and impossible to open the trailer for cleaning → the controls and all tools are within easy reach on the outside.



## TECHNICAL SPECIFICATIONS

- Water-cooled frequency-controlled 0.5 – 6 kW electric motor working on low-voltage (48 V) so no conversion losses.
  - Environmentally friendly
  - Exceptionally low noise production
  - Maintenance-free
  - Lower and 40% less expensive energy consumption
- The 25 kW-48 V Li-ion battery with BMS system was fully custom-made and tailored for the cleaning work.
  - Efficient, compact and lightweight long life Li-ion battery with high energy density/kg
  - Easy to recharge at any time (any 230 V socket)
  - The battery supplies its power as efficiently as possible
  - Long working time: up to six hours of high pressure cleaning and 11 hours with the optional steam function (SF) or weed killing function (WK) (SF) or weed killing function (WK)
- 70 kW GreenBoiler-CNG
- Control 24 VDC and burner 230 VAC
- Electronic level indication with low level monitoring for the water tank and CNG tanks.
- Battery percentage shown on the display
- CNG tanks (2x 75 l) with gas pressure regulators - gas pressure regulation circuit with the necessary safety and detection devices
- Radial high pressure pump with 3 ceramic plungers and stainless steel valves
- Washable water filter
- Pressure-free starting
- Auto-stop system stops the engine after 30 min. without spraying activity
- 400 l built-in water tank (only for TG and S version)
- Pressure relief up to <25 bar with sealed gun → safety
- Electronic pressure and flow regulation via electronic speed engine governor
- Automatic idling → less consumption (\*)
- Trailer version: galvanized trailer fitted with support and swivel wheel, an ALKO chassis with rotation casted polyethylene tank and polyester housing
- Required towing capacity = 1900 kg

## MODELS

| Code        | description                | bar                                 | l/h                                 | °C  | Li-ion                                | kW      | l  | l   | mm                 | Kg   |
|-------------|----------------------------|-------------------------------------|-------------------------------------|---|---------------------------------------|---------|----|-----|--------------------|------|
| 1.134.E.278 | JMB-ME 170/18 TG AK WK (+) | < 30 (WK-function) / up to 170 (HP) | 600 (WK-function) / up to 1080 (HP) | 99° on surface (WK-function) / 30 - max. 110 (HP) | Li-Ion battery - 48 V- 25 kWh - (BMS) | 0,5 - 6 | 70 | 400 | 3500 x 1800 x 1750 | -    |
| 1.134.E.328 | JMB-ME 200/15 TG AK WK (+) | < 30 (WK-function) / up to 200 (HP) | 600 (WK-function) / up to 900 (HP)  | 99° on surface (WK-function) / max. 110 (HP)      | Li-Ion battery - 48 V- 25 kWh - (BMS) | 0,5 - 6 | 70 | 400 | 3500 x 1800 x 1750 | 1410 |

## STANDARD EQUIPMENT

| Code            | Item description   |
|-----------------|--|
| 1.216.729.xxxxx | Single stainless steel lance with high pressure nozzle and rotating quick coupling (≤ 250 bar) |
| 1.211.5xx       | High pressure gun with swivel → large manoeuvrability of the wash gun                          |
| 1.234.290       | Transfer pump - JMB-ME (TP)  |
| 1.230.297       | 35 cm - Stainless steel WK-lance with temperature sticker for weed control                     |
| 1.230.312       | One set of large removable wheels for WK-lance   |

## OPTIONAL EQUIPMENT

| Code                | Item description   |
|---------------------|--|
| 1.234.247           | (DH) Supplement for pressure-retaining valve (to replace the standard pressure-free)   |
| 1.234.150           | (TT) Supplement for track & trace system (JMB-MG/ME)   |
| 1.890.000           | Yearly subscription for the activation of the Track & Trace option.  |
| 1.234.074.(RAL)xxxx | (COL) Supplement for protective housing in your chosen RAL colour (Note: when ordering, please specify your chosen RAL colour)   |
| 1.234.07x           | (COL) Supplement for protective housing in a DiBO RAL colour: <ul style="list-style-type: none"> <li>• (WH) RAL9016 - white</li> <li>• (BK) RAL 9017 - black</li> <li>• (BU) RAL 5002 - blue</li> <li>• (OG) RAL 2009 - orange</li> </ul> (Note: when ordering, please specify one of the following RAL colours) |



1.230.297



1.230.312



WK-lance

# CPU-S OPEN



This **CPU-S OPEN** is the small stationary brother of the ECN-S. Exceptionally handy and advantageous high-pressure cleaner to be used as a fixed unit in workplaces, garages, at agricultural companies and in other sectors.

Compact construction and suitable for wall and floor assembly. On request optionally available as a version with float chamber.

## EXCLUSIVE TECHNOLOGIES



Radial high-pressure pump



Motor with low speed



5 Year warranty

## PRODUCT SPECIFICATIONS

- A powder-lacquered steel frame → prevention from corrosion and robust

## TECHNICAL SPECIFICATIONS

- Radial high pressure pump with 3 ceramic plungers and stainless steel valves → fewer vibrations and less noise
- Electric engine at low speed
- Automatic start/stop system with shut-down-delay
- Pressure gauge
- Coarse particle filter
- On/Off switch
- Pressure control valve to adjust the operating pressure
- Detergent injector (not on models with (!))














Note:

Monophase machines work as standard at 1 x 230 V - 50 Hz.

3-phase machines work standard at 3 x 400 V - 50 Hz.

Other versions on request.

## MODELS

|  |  |  |  |  |  |  |  |  |  |  |  |  |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code  | Description   | bar   | l/h   | °C  | V   | A   | kW  | rpm   | m   | mm  | kg  |   |
| 1.192.068   | CPU-S OPEN 130/10   | 30 - 130  | 600   | 40  | 3   | 1x230 V 50 Hz   | 13  | 1450  | 5   | 780 x 450 x 490   | 65  | 040   |
| 1.192.193   | CPU-S OPEN 160/20   | 30 - 160  | 1200  | 40  | 7   | 3x400 - 50 Hz   | 11  | 1450  | 5   | 780 x 450 x 490   | 80  | 075   |
| 1.192.293   | CPU-S OPEN 210/15   | 30 - 210  | 900   | 40  | 7   | 3x400 - 50 Hz   | 11  | 1450  | 5   | 780 x 450 x 490   | 80  | 045   |

## OPTIONAL ACCESSORIES

| Code            | Item description   |
|-----------------|--|
| 1.208.630.xxxxx | Double stainless steel spray lance with low and high pressure nozzle and rotating quick coupling (only on < 320 bar and < 41 l/min) → chemicals and stepless pressure regulation |
| 1.211.5xx       | High pressure gun with swivel → large manoeuvrability of the wash gun  |
| 1.205.520.020   | High pressure hose (5/16", 10 m) → extended reach  |
| 1.205.520.xxx   | High pressure extension hoses with quick release (10-25 m, ≤ 250 bar)  |
| 1.208.828.xxxxx | Flexible spray lance with high pressure nozzle (850 mm, ≤ 200 bar)   |
| 1.258.220.xxxxx | High pressure grit blasting lance with flat jet nozzle and suction hose (900 mm, ≤ 250 bar)  |
| 1.244.251       | Foam lance with 1 l tank and quick release (200 mm, ≤ 250 bar)   |

# CPU-S



The **CPU-S** high pressure unit is an economical stationary cold water cleaner with almost unlimited user's possibilities. This simple-section compact unit is an industrial cleaning installation for professional and intensive use.

The engine/pump part is also protected by means of a stainless steel (SS) protection cover against splashing water and pollution. Due to the 'sanitary' surface mounting it is possible to install this equipment in the production unit itself, instead of in a technical space.



This unit can be mounted both against the wall and on the floor using mounting supports. This simple-section unit can be delivered in various models and the standard version is equipped for water supply temperature up to 40°C.

Other models on request.

## EXCLUSIVE TECHNOLOGIES



Radial high-pressure pump



Motor with low speed



Flexible motor/pump coupling


## PRODUCT SPECIFICATIONS

- Stainless steel cover for the engine/pump section

## TECHNICAL SPECIFICATIONS

- Radial high pressure pump with 3 ceramic plungers and stainless steel valves → fewer vibrations and less noise
- A brass/nickel-plated pump head → no corrosion
- Flexible engine/pump coupling → silent operation and protection of the electric motor
- Automatic start/stop system with shut-down-delay
- Soft starter
- Coarse particle filter
- Pressure gauge
- Electric cable

## MODELS

|  Code |  Description |  bar |  l/h |  °C |  kW |  V |  A |  mm |  kg |
|--|---|---|---|--|--|---|---|--|--|
| 1.152.025  | CPU-S 100/21  | 100   | 1260  | 40   | 4,0  | 3 x 400V  | 9   | 1020x635x445   | 97   |
| 1.152.030  | CPU-S 100/30  | 100   | 1800  | 40   | 5,5  | 3 x 400V  | 11  | 1020x635x445   | 125  |
| 1.152.100  | CPU-S 150/15  | 150   | 900   | 40   | 4,0  | 3 x 400V  | 8   | 1020x635x445   | 84   |
| 1.152.150  | CPU-S 150/21  | 150   | 1260  | 40   | 5,5  | 3 x 400V  | 12  | 1020x635x445   | 102  |
| 1.152.300  | CPU-S 200/15  | 200   | 900   | 40   | 5,5  | 3 x 400V  | 12  | 1020x635x445   | 100  |
| 1.152.400  | CPU-S 200/21  | 200   | 1260  | 40   | 7,5  | 3 x 400V  | -   | 1020x635x445   | 102  |

## OPTIONAL EQUIPMENT

| Code      | Item description  |
|-----------|---|
| 1.252.010 | Mounting support for floor and wall mounting (to order by two)              |
| 1.252.000 | Supplement for Non-pressurised valve with start/stop-system via flow switch |

# CPU-M



The DiBO **CPU-M** is an economical stationary cold water cleaner with almost unlimited user's possibilities.

This simple-section compact unit is an industrial cleaning installation for professional and intensive use. The unit is extremely suitable for water cleaning under high/middle pressure for production units and equipment in the food industry.

The CPU-M can be delivered in various models and the standard version is equipped for water supply temperature up to 40°C.

As option also available with HT pumps up to 75°C (peaks till 85 °C).

With the use of a temperature 40°C or more always use a feeding pump which delivers an inlet pressure of at least 3 bar. Other models on request.

## EXCLUSIVE TECHNOLOGIES



Radial high-pressure pump



Motor with low speed



Flexible motor/pump coupling

## PRODUCT SPECIFICATIONS

- Electrical box with 'Millennium 3' controller

## TECHNICAL SPECIFICATIONS

- Radial high pressure pump with 3 ceramic plungers and stainless steel valves → fewer vibrations and less noise
- A brass/nickel-plated pump head → no corrosion
- Flexible engine/pump coupling → silent operation and protection of the electric motor
- Low speed
- Automatic start/stop system with shut-down-delay
- Soft starter
- Simple-section pump unit with different choices for engine/pump combinations
- This simple-section unit can be delivered in various models and is suitable for the supply of cold and hot water. The standard version is equipped for water supply temperature up to 40°C. Some models are optionally suitable for higher water supply temperatures by using an HT pump.
- Stainless steel frame
- 130 l stainless steel float tank
- Mechanical valve
- Coarse particle filter
- Pressure gauge
- Level monitoring
- Dry-run protection
- Temperature security system up to 40 °C or optional up to 85 °C (when using HT pumps)
- Protected against breaks in the pipes and overpressure

Note: when using an HT pump, always use a pre-pressure pump and reduce the speed if necessary.

## MODELS

|  Code |  Description |  bar |  l/h |  °C |  V |  rpm |  l |  mm |
|--|---|---|---|--|---|---|---|--|
| 1.146.xxx  | CPU-M 5.5 kW  | min. 70 / max. 130  | max. 2460 / min. 1260   | 40   | 3 x 400   | 1450  | 130   | 1200 x 550 x 1320  |
| 1.146.xxx  | CPU-M 7,5 kW  | min. 55 / max. 170  | max. 4200 / min. 1260   | 40   | 3 x 400   | 1450  | 130   | 1200 x 550 x 1320  |
| 1.146.xxx  | CPU-M 11 kW   | min. 80 / max. 210  | max. 4200 / min. 1500   | 40   | 3 x 400   | 1450  | 130   | 1200 x 550 x 1320  |
| 1.146.xxx  | CPU-M 15 kW   | min. 80 / max. 275  | max. 6000 / min. 1500   | 40   | 3 x 400   | 1450  | 130   | 1206 x 550 x 1320  |

## OPTIONAL EQUIPMENT

| Code      | Item description               |
|-----------|--------------------------------|
| 1.246.005 | Frequency regulator - 5,5 kW   |
| 1.246.007 | Frequency regulator - 7,5 kW   |
| 1.246.010 | Frequency regulator - 11 kW    |
| 1.246.015 | Frequency regulator - 15 kW    |
| 1.246.070 | Water filter 1.1/4 - 25 micron |
| 1.246.072 | Water filter 2 - 25 micron     |
| 1.246.100 | Remote controle (ON/OFF)       |
| 1.246.290 | Pre-pressure pump              |

## OPTIONAL ACCESSORIES

| Code | Item description  |
|------|---|
| code | Single spray lance with high-pressure nozzle → powerful water jet |
| code | High-pressure gun → large manoeuvrability of the wash gun         |
| code | High pressure hose → extended reach                               |

# CPU-L



The DiBO **CPU-L** is an economical stationary cold water cleaner with almost unlimited user's possibilities.

This simple-section compact unit is an industrial cleaning installation for professional and intensive use.

The CPU-L is extremely suitable for water cleaning under high/middle pressure for production units and equipment in the food industry.

The unit can be delivered in various models and the standard version is equipped for water supply temperature up to 40°C.

Other models on request.

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## EXCLUSIVE TECHNOLOGIES



Radial high-pressure pump



Motor with low speed



Flexible motor/pump coupling

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## PRODUCT SPECIFICATIONS










- Electrical box with 'Millennium 3' controller

## TECHNICAL SPECIFICATIONS

- Low speed
- Soft starter
- Automatic start/stop system with shut-down-delay
- Coarse particle filter
- Radial high pressure pump with 3 ceramic plungers and stainless steel valves → fewer vibrations and less noise
- A brass/nickel-plated pump head → no corrosion
- Flexible engine/pump coupling → silent operation and protection of the electric motor
- This simple-section unit can be delivered in various models and is suitable for the supply of cold and hot water. The standard version is equipped for water supply temperature up to 40°C. Some models are optionally suitable for higher water supply temperatures by using an HT pump.
- Simple-section pump unit with different choices for engine/pump combinations
- Stainless steel frame
- Stainless steel frame
- Mechanical valve
- Pressure gauge
- Level monitoring
- Dry-run protection
- Temperature security system up to 40 °C or optional up to 85 °C (when using HT pumps or SN pumps)
- Protected against breaks in the pipes and overpressure

Note: when using an HT pump, always use a pre-pressure pump and reduce the speed if necessary

## MODELS

|  Code |  Description |  bar |  l/h |  °C |  V |  tpm |  l |  mm |
|--|---|---|---|--|--|---|---|--|
| 1.146.xxx  | CPU-L 18,5 kW   | min. 110 / max. 260   | max. 2700 / min. 1800   | 40   | 3 x 400 V  | 1450  | 380   | 1500 x 700 x 1800  |
| 1.146.xxx  | CPU-L 18.5 kW   | min. 50 / max. 205  | max. 9180 / min. 2280   | 40   | 3 x 400 V  | 1000  | 380   | 1500 x 700 x 1800  |
| 1.146.xxx  | CPU-L 22,0 kW   | min. 60 / max. 250  | max. 9180 / min. 2280   | 40   | 3 x 400 V  | 1000  | 380   | 1500 x 700 x 1800  |
| 1.146.xxx  | CPU-L 30,0 kW   | min. 85 / max. 340  | max. 9180 / min. 2280   | 40   | 3 x 400 V  | 1000  | 380   | 1500 x 700 x 1800  |

## OPTIONAL EQUIPMENT

| Code      | Item description               |
|-----------|--------------------------------|
| 1.246.070 | Water filter 1.1/4 - 25 micron |
| 1.246.072 | Water filter 2 - 25 micron     |
| 1.246.050 | Frequency regulator - 18,5 kW  |
| 1.246.055 | Frequency regulator - 22 kW    |
| 1.246.060 | Frequency regulator - 30 kW    |
| 1.246.100 | Remote controle (ON/OFF)       |
| 1.246.290 | Pre-pressure pump              |

## OPTIONAL ACCESSORIES

| Code | Item description  |
|------|---|
| code | Single spray lance with high-pressure nozzle → powerful water jet |
| code | High-pressure gun → large manoeuvrability of the wash gun         |
| code | High pressure hose → extended reach                               |

# MPU-M



These DiBO industrial stationary high-pressure units offer you unlimited possibilities for different cleaning applications for professional and industrial use.

The pump units can be connected to pipes with a number of user connection points. The pumps are automatically switched on or off depending on the number of users, so the required capacity is always guaranteed.

As standard the **MPU-M** is suitable for a water supply temperature up to 40 °C and has a maximum power connection of up to 100A. The high-pressure unit is also optionally available with HT pumps that are suitable for a water supply temperature up to 75 °C (peaks to 85 °C). With a temperature of 40 °C or more, always use a pre-pressure pump supplying an inlet pressure of at least 3 bar.

The general options are summed up below, but many other combinations and capacities are also possible. You always start by choosing the basic configuration depending on the number of required pump units and the type of pressure regulator (1.249.1xx). You can then select the type of pump units depending on the required pressure and the flow rate. Note that you must select the

same number of pump units depending on your first choice (1.294.1xx). If you want to regulate consumption even more precisely (to max ½ of the flow rate of 1 pump unit), and save energy, choose the frequency regulator option (maximum of 1 per machine).

Contact our sales department to discuss the configuration options and the most suitable setup for your specific use. Together with our R&D department they will look for the best solution to your needs!

Note: For pump units above 7.5 kW a soft starter on each pump unit is strongly recommended.

## EXCLUSIVE TECHNOLOGIES



Radial high-pressure pump



Motor with low speed



Flexible motor/pump coupling

## PRODUCT SPECIFICATIONS

- Robust polished stainless steel frame, provided with a 300 l float tank
- With an automatic start/stop system with delay by a flow rate and pressure sensor

## TECHNICAL SPECIFICATIONS

- Multiple-section pump unit with different choices for engine/pump combinations
- Suitable as standard for both a cold and hot water supply (up to 40 °C).
- The high-pressure unit is also optionally available with HT pumps that are suitable for a water supply temperature up to 75 °C (peaks to 85 °C). With a temperature of 40 °C or more, always use a delivery pump supplying an inlet pressure of at least 3 bar.
- pressure of at least 3 bar.
- Electrical box
- Solenoid filling valve
- Pressure gauge
- Thermal engine protection
- Protected against breaks in the pipes and overpressure
- Dry-run and temperature security system on the float chamber
- Very economic
- Fitted with mechanical or electro-pneumatic pressure regulator (option)
- Automatic adjustment for variable consumption
- Standard motors immediately on – configurable with soft starter and/or frequency regulator

## MODELS

|  Code |  Description |  bar |  l/h |  °C |  kW |  rpm |  l |  mm |
|--|---|---|---|---|--|---|---|--|
| 1.249.100  | 2-D MPU-M with mechanical valve (excl. motor/pump)  |   |   |   |  |   | 300   | 1970 x 1040 x 1170   |
| 1.249.110  | 2-D MPU-M with pneumatic valve (excl. motor/pump)   |   |   |   |  |   | 300   | 1970 x 1040 x 1170   |
| 1.249.120  | 3-D MPU-M with mechanical valve (excl. motor/pump)  |   |   |   |  |   | 300   | 1970 x 1040 x 1170   |
| 1.249.125  | 3-D MPU-M with pneumatic valve (excl. motor/pump)   |   |   |   |  |   | 300   | 1970 x 1040 x 1170   |
| 1.249.130  | 4-D MPU-M with mechanical valve (excl. motor/pump)  |   |   |   |  |   | 300   | 1970 x 1040 x 1170   |
| 1.249.135  | 4-D MPU-M with pneumatic valve (excl. motor/pump)   |   |   |   |  |   | 300   | 1970 x 1040 x 1170   |
| 1.149.xxx  | Motor/pump unit - 5,5 kW  | min. 75 / max. 130  | max. 2400 / min. 1260   | 40  | 5,5  | 1500  |   | 1970 x 1040 x 1170   |
| 1.149.xxx  | Motor/pump unit - 7,5 kW  | min. 55 / max. 170  | max. 4200 / min. 1260   | 40  | 7,5  | 1500  |   | 1970 x 1040 x 1170   |
| 1.149.xxx  | Motor/pump unit - 11 kW   | min.130 / max. 210  | max. 2400 / min. 1500   | 40  | 11   | 1500  |   | 1970 x 1040 x 1170   |
| 1.149.xxx  | Motor/pump unit - 15 kW   | min. 105 / max. 275   | max. 4200 / min. 1500   | 40  | 15   | 1500  |   | 1970 x 1040 x 1170   |

## OPTIONAL EQUIPMENT

| Code      | Item description             |
|-----------|------------------------------|
| 1.249.070 | Pre-pressure pump            |
| 1.249.082 | Soft starter - 7,5 kW        |
| 1.249.085 | Soft starter - 11 kW         |
| 1.249.090 | Soft starter - 15 kW         |
| 1.246.005 | Frequency regulator 5,5 kW   |
| 1.246.007 | Frequency regulator - 7,5 kW |
| 1.249.030 | Frequency regulator - 11 kW  |
| 1.249.035 | Frequency regulator - 15 kW  |







## Contact

### **DiBO BV**

Hoge Mauw 250  
2370 Arendonk  
T. +32 (0)14 67 22 51  
sales@dibo.com

### **DiBO België BV**

KMO-park 'Kapelleveld'  
Sint-Jansveld 7  
2160 Wommelgem  
T. +32 (0)3 354 18 18  
sales.belgium@dibo.com

### **DiBO Nederland BV**

Industrieweg 7  
4181 CA Waardenburg  
T. +31 (0)418 65 21 44  
sales@dibo.nl

### **DiBO GmbH**

Bochumer Straße 15  
57234 Wilnsdorf  
T. +49 (0)2739 479935-0  
vertrieb@dibo.com

[www.dibo.com](http://www.dibo.com)

CATALOGUE - 11/05/22