

Cleanliness made in Belgium



**HIGH PRESSURE CLEANERS**  
Professional - INTENSIVE USE

**DiBO**<sup>®</sup>  
CLEANING SYSTEMS

# HIGH PRESSURE CLEANERS

Professional - INTENSIVE USE

## The DiBO high-pressure cleaners stand out by their:

- Unprecedented power and performance in all possible working conditions
- Unparalleled quality and reliability
- A very long working life
- Low-maintenance
- Amazing manoeuvrability combined with an extremely robust construction

## THE FOLLOWING UNIQUE PROPERTIES ENABLE THIS:



### 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



### 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



### ELECTRIC MOTOR WITH LOW SPEED

The electric motors have a speed of 1450 rpm – this is exceptionally low so the pumps also run at low speed.

#### Advantages:

- Long life
- Less wear



### HIGH QUALITY MATERIALS

Stainless steel in combination with double-walled polyethylene or polyester: an extremely solid and attractive design.

#### 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



### 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 of the motors to 1450 rpm by an oil-lubricated and cooled reduction gearbox.

#### Advantages:

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





## 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:**

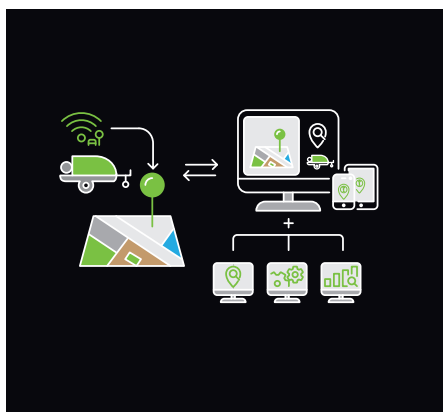
- Fewer moving parts, so fewer parts subject to wear
- Less vibration, so lower noise production
- Long life
- Low cost of maintenance
- Exceptionally efficient
- Pumps also run at low speed  
=> The perfect combination with the low-speed motors



## 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. **Advantages:**

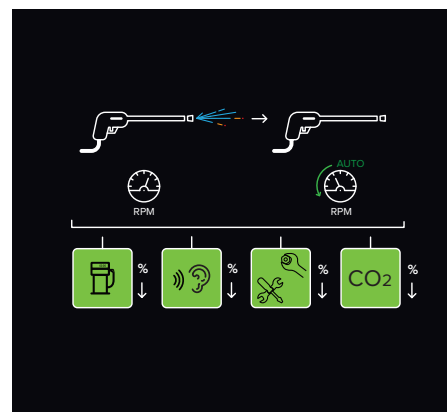
- Identification of exact machine location
- Failures visible remotely
- Burner & machine working hours displayed
- Receipt of notification for servicing
- History of driven routes, locations, mileage reading and failures



## AUTOMATIC IDLING SPEED

Fuel motors fitted by DiBO with automatic idling speed. (only "+" version trailers) **Advantages:**

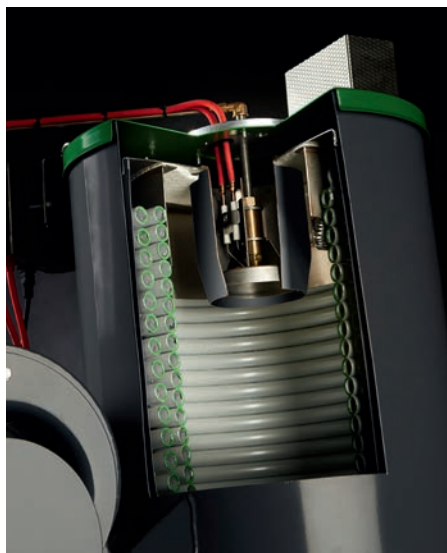
- Lower fuel consumption
- Fewer CO2 emissions
- Less wear
- Less noise production



## 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:**

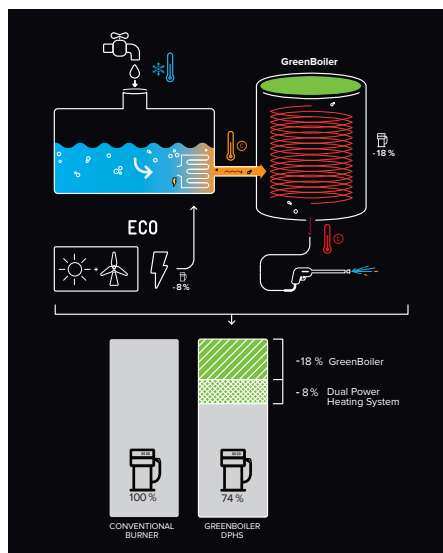
- Fuel savings to 18%
- Environmentally friendly
- Low maintenance costs
- High efficiency (>92%)
- Low CO<sub>2</sub> emissions
- Stainless steel inner boiler
- Pre-formed bottom
- Efficient heat-exchanger
- Low flue temperature



## DUAL POWER HEATING SYSTEM

A combination of an electrical pre-heating system and a 50 kW GreenBoiler. With double electronic temperature control. **Advantages:**

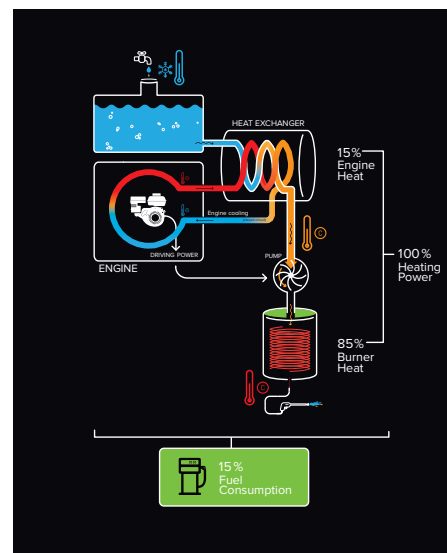
- A hot water buffer always available
- High power (50 kW GreenBoiler + 4.5 kW electric heating)
- 18% + 8% fuel saving
- Low CO<sub>2</sub> emissions
- Low maintenance costs



## HEAT-EXCHANGER

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

- 15% extra fuel saving



# HIGH PRESSURE CLEANERS

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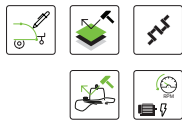
## This is why a DiBO high pressure cleaner is the best choice:

- From all-round to extremely heavy cleaning
- Operating pressure to 1000 bar
- Water delivery to no less than 1800 l/hour
- Radial pump in each machine
- Unprecedented power and performance in all possible working conditions
- Our experts guide you from A to Z
- Unprecedented performance in all possible working conditions
- Personalized products fully in line with the wishes of the customer
- Simple operation
- From light to intensive use
- Electric motor or fuel motor
- Mobile or stationary

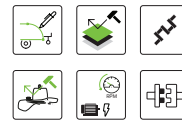
  Suitable for cleaning according to the indicated number of hours.

## Cold water - ELECTRIC MOTOR

ECN-S



ECN-M

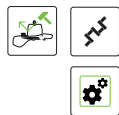


ECN-L

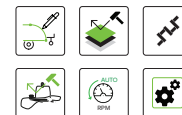


## Cold water - FUEL MOTOR

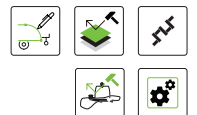
PTL-S



PTL-M



PTL-L



ECN-series



PTL-series

## COLD WATER

		
ECN-S	max. 210 bar	max. 1200 l/h
ECN-M	max. 400 bar	max. 2460 l/h
ECN-L	max. 500 bar	max. 2460 l/h
PTL-S	max. 210 bar	max. 1200 l/h
PTL-M	max. 250 bar	max. 1080 l/h
PTL-L	max. 500 bar	max. 960 l/h



**Hot water - ELECTRIC MOTOR**

IBH-S



IBH-M

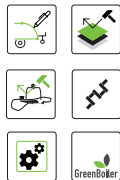


IBH-L



**Hot water – DIESEL MOTOR**

JMB-E



**HOT WATER**



IBH-S	max. 210 bar	max. 1200 l/h
IBH-M	max. 350 bar	max. 1320 l/h
IBH-L	max. 260 bar	max. 1800 l/h
JMB-E	max. 200 bar	max. 1200 l/h



IBH-series



JMB-E

# HIGH PRESSURE CLEANERS

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## DiBO stationary cleaning installations, the best choice:

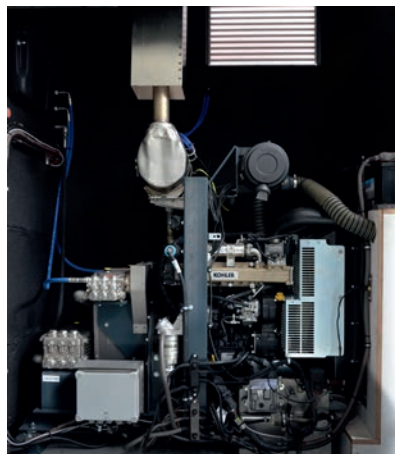
- Single- or multi-part
- For one or several users
- Extremely solid stainless steel design
- Simple operation
- As hygienic as can be
- Our experts guide you from A to Z
- Personalized products fully in line with your wishes



## High pressure cleaners to suit your particular needs. DiBO clearly puts the emphasis on quality, on all fronts.

- High quality and innovation with new technology
- Our own team of specialists is constantly researching and developing
- A high and distinctive level of service
- Designing and building of new machines, but also making improvements to the existing equipment
- Custom-made work is our highest trump card

It is your story that we translate into a cleaning solution. And this in frequent and close consultation. Because that works!





# HIGH PRESSURE CLEANERS

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## Hot water On trailer – DIESEL MOTOR

JMB-S



Standard



JMB-M



Standard

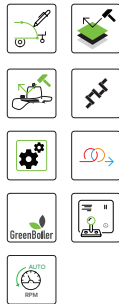


## Hot water On trailer – CNG GAS MOTOR

JMB-MG



Standard



## Hot water On trailer – ELECTRIC MOTOR

JMB-ME



Standard



### HOT WATER



JMB-S	max. 250 bar	max. 1080 l/h
JMB-M	max. 500 bar	max. 1800 l/h
JMB-MG	max. 350 bar	max. 1500 l/h
JMB-ME	max. 249 bar	max. 1080 l/h



JMB-S



JMB-M



JMB-MG



JMB-ME

## DiBO pushes ahead with its green philosophy

In 2008 DiBO developed its very first GreenBoiler, a high technology heating system that set the scene for the green evolution. Over the years this has resulted in 3 versions of the environmentally friendly boiler, being the 50, 70 and 110 kW designs. Now the water used with all DiBO hot water high pressure cleaners for intensive use is heated by this environmentally friendly GreenBoiler.



### 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

*Put briefly, 2008 was a highly innovative year for our cold- and hot water high pressure cleaners, and certainly with a green future in mind!*

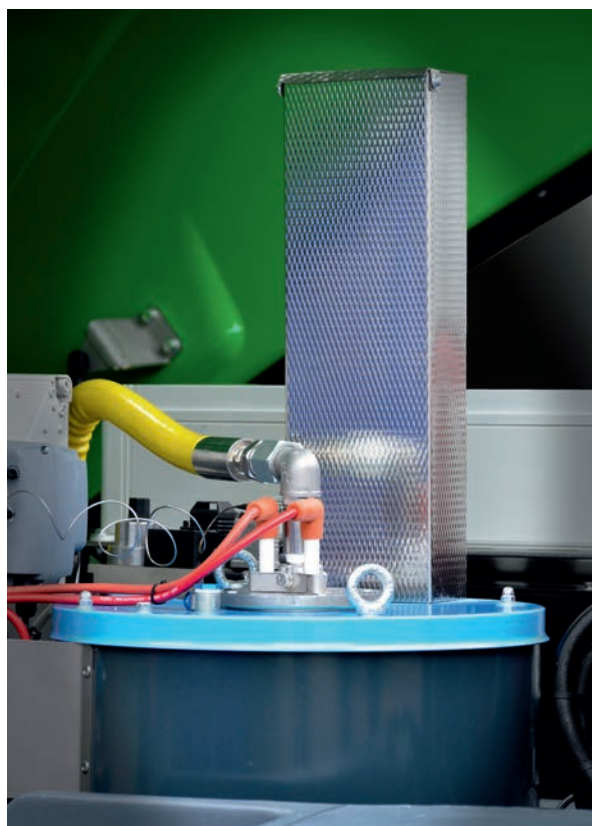


A green future without doubt! Twelve years later (2020) DiBO launched a new technological tour de force in the form of the GreenBoiler CNG. As the name implies, this 70 kW environmentally friendly boiler runs on CNG gas, meaning fewer emissions, lower fuel costs and higher efficiency.

### Significant advantages compared to the GreenBoiler with diesel as fuel:

- 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

The GreenBoiler CNG heats the water for the latest DiBO high pressure trailers, the JMB-MG (CNG-powered) and JMB-ME (battery-powered). These trailers are a continuation of the development of the already existing JMB-M trailer. Two new models that are even greener than green high pressure trailers.





# HIGH PRESSURE CLEANERS

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## #STEAMGREEN... for a cleaner and greener world

The full JMB range is available with optional steam function (140 °C at 30 bar).



Steam cleaning is a highly effective and environmentally friendly method for thorough cleaning. Steaming is also a very gentle technique with no excessive pressures required (max. 30 bar) and little water use. With this steaming method the surface always remains undamaged.

### Advantages:

- Environmentally friendly/green: cleaning with steam enables low water consumption but highly efficient cleaning. This is assured by the high temperature (140 °C) in combination with a relatively low pressure (30 bar).
- More cleaning options: using steam means you can also clean softer, sensitive objects without damaging the surface
- Deep-cleaning and a high level of hygiene: the high temperature (140 °C) ensures that soiling is easily detached and pathogens, bacteria and viruses are deactivated.
- Steam can also be used as an alternative for weed removal.

### Applications:

- Combating roof and wall soiling such as moss and algae, the consequences of traffic pollution, and walls affected by acid rain and bird droppings
- Removal of graffiti, paint, resin and adhesive coats
- Remove of chewing gum remains and lichen
- Cleaning gravestones and monuments
- Weed control





# HIGH PRESSURE CLEANERS

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## JMB-S/M



### JMB-S/M



STAGE 5 READY

JMB-S/M	Pressure	Flow rate	Power	Fuel tank	Water tank	Max. Temp.	STAGE 5 READY
JMB-S 200/18	30 - 200 bar	180 - 1080 l/h	11,7 kW	50 l	200 l	max. 110 °C	<input checked="" type="checkbox"/>
JMB-S 250/15	30 - 250 bar	180 - 900 l/h	11,7 kW	50 l	200 l	max. 110 °C	<input checked="" type="checkbox"/>
JMB-M 200/18	30 - 200 bar	180 - 1080 l/h	11,7 kW	80 l	450 l	max. 110 °C	<input checked="" type="checkbox"/>
JMB-M 200/30	30 - 200 bar	180 - 1800 l/h	18,0 kW	80 l	450 l	max. 110 °C	<input checked="" type="checkbox"/>
JMB-M 350/18	30 - 350 bar	180 - 1080 l/h	18,0 kW	80 l	450 l	max. 110 °C	<input checked="" type="checkbox"/>
JMB-M 500/15	30 - 500 bar	180 - 900 l/h	18,9 kW	80 l	450 l	max. 110 °C	<input checked="" type="checkbox"/>
JMB-M 500/30	30 - 500 bar	180 - 1800 l/h	31,0 kW	80 l	450 l	max. 110 °C	<input checked="" type="checkbox"/>

## Standard



## "+" version (Optional)



### USER-FRIENDLY: Digital display with joystick

#### Operation

- Clearly displayed machine parameters
- Instructions for use: step by step
- User settings (pressure/temperature/supply pump/ lighting)

#### Service

- Settings/machine diagnosis
- Information/service messages
- Failure messages/alerts

### ECOLOGICAL/ECONOMIC:



- Fuel savings of up to 18%
- Environmentally-friendly
- Low maintenance costs
- High efficiency (>92%)
- Stainless steel inner boiler
- Pre-formed bottom
- Low flue temperature
- Efficient heat-exchanger  
=> up to 15% extra fuel savings

= up to 33% total fuel savings.

### Level indication on digital display

- Fuel tank
- Water tank

### Electronic gas regulation:

- Setting operation pressure/speed using joystick
- Automatic idling after 30 seconds of inactivity

### OPTIONAL



Optionally available with steam function 140 °C (at 30 bar)



### Track & Trace system



- Exact machine position-finding
- History of faults and service messages

## Green cleaning with the new DiBO JMB-MG/ME high pressure trailers

### JMB-MG



See the machine in action

The DiBO JMB-MG is a high pressure cleaner that works entirely on CNG gas. The 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.

#### Important points that contribute to the sustainability of this machine:

- The JMB-MG runs entirely on CNG gas
- CNG gas is currently the cleanest fossil fuel and the least expensive at the pump
- 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
- CNG tanks with gas pressure regulators - gas pressure regulation circuit with the necessary safety and detection devices
- 70 kW GreenBoiler CNG
- Electronic level indication with low level monitoring for the water tank and CNG tanks
- Washable water filter
- Pressure-free starting
- Electronic pressure and flow control
- Control 24 V and burner 230 VAC



# HIGH PRESSURE CLEANERS

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JMB-MG



## The following points contribute to your ease of use/benefits:

- It is not necessary and even impossible to open the trailer during the cleaning work. All operating controls and requisites are located at the back on the outside of the machine.
- Unique storage system for tools and accessories
- The protective guard in double-walled polyester is optionally available in various RAL colours
- Digital display with joystick
- Five-year guarantee
- Environmentally friendly
- Savings on fuel consumption/costs
- Savings on maintenance costs
- Low noise production  $\leq 85$  dB

## JMB-MG



JMB-MG	Pressure	Flow rate	Engine power	Total power	Fuel tank	Water tank	Temperature
JMB-MG 249/15	30 - 249 bar	900 l/h	18 kW	70 kW	2 x 75 l	450 l	max 110° C
JMB-MG 249/25	30 - 249 bar	1500 l/h	18 kW	70 kW	2 x 75 l	450 l	max 110° C
JMB-MG 350/18	30 - 350 bar	1080 l/h	18 kW	70 kW	2 x 75 l	450 l	max 110° C

## Standard



### Level indication on digital display

- Fuel tank
- Water tank

## MOST IMPORTANT OPTIONS:



### Track & Trace System:

- Exact machine position-finding
- History of faults and service messages

### Protective guard in your chosen RAL colour

The protective guard being made of double-walled polyester means many RAL colours are available, so also yours. As standard the trailer is provided with a green exterior and dark grey interior.

## OPTIONAL



Optionally available with steam function  
140 °C (at 30 bar)



Note: the trailers are shown as designs with different options

## JMB-ME



See the machine in action

The DiBO JMB-ME is a high pressure cleaner with water-cooled electric motor running on a 24.6 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.

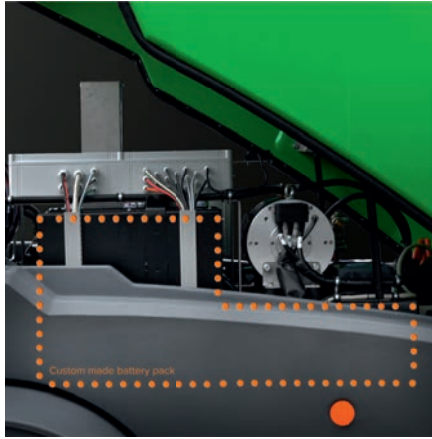
### Important points that contribute to the sustainability of this machine:

- 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
  - 40% lower and less expensive fuel consumption
- The 24.6 kW-48 V Li-ion battery with BMS system was fully custom-made and tailored for the cleaning work
- Easy to recharge at any time
- The battery supplies its power as efficiently as possible with intelligent control of the electric motor and battery pack
  - Long working time: Six hours of high pressure cleaning and 11 hours with the optional steam function (SF)
- Environmentally friendly
- Low-maintenance
- Savings on fuel costs for the motor
- 70 kW GreenBoiler CNG
- CNG tanks 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. Battery percentage shown on the display.
- Charging point for the battery readily accessible on the outside of the machine
- Washable water filter
- Pressure-free starting
- Electronic pressure and flow control
- Control 24VDC and burner 230 VAC
- Intelligent machine control with CAN bus



# HIGH PRESSURE CLEANERS

Professional - INTENSIVE USE



## The following points contribute to your ease of use/benefits:

- It is not necessary and even impossible to open the trailer during the cleaning work. All operating controls and requisites are located at the back on the outside of the machine.
- Unique storage system for tools and accessories
- The protective guard in double-walled polyester is optionally available in various RAL colours
- Digital display with joystick
- Five-year guarantee
- Environmentally friendly
- Savings on fuel consumption/costs
- Low noise production of  $\leq 75$  dB

## JMB-ME



Frequency controlled



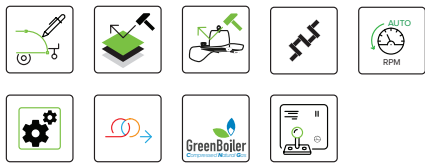
Li-ion



OUTPUT

Model	Pressure (bar)	Flow (l/h)	Power (kW)	Energy (kWh)	Power (kW)	Fuel (l)	Water (l)	Temperature (°C)
JMB-ME 170/18	30 - 170	1080	0,5 tot 6	48V - 24.6 (+ BMS)	70	2 x 75	400	max 110°
JMB-ME 200/15	30 - 200	900	0,5 tot 6	48V - 24.6 (+ BMS)	70	2 x 75	400	max 110°
JMB-ME 249/13	30 - 249	780	0,5 tot 6	48V - 24.6 (+ BMS)	70	2 x 75	400	max 110°

## Standard



### Level indication on digital display

- Fuel tank
- Water tank

## MOST IMPORTANT OPTIONS:



### Track & Trace System:

- Exact machine position-finding
- History of faults and service messages

### Protective guard in your chosen RAL colour

The protective guard being made of double-walled polyester means many RAL colours are available, so also yours. As standard the trailer is provided with a green exterior and dark grey interior.

## OPTIONAL



Optionally available with steam function  
140 °C (at 30 bar)



Note: the trailers are shown as designs with different options

The  
green  
power.



**5** year  
warranty

Super powerful and strong, with a **5 year warranty**



**CONDITIONS OF WARRANTY**

Carefully read the guarantee warranty specified in the manual that you received with the machine and register your machine online through your customer or dealer account. [www.dibo.com](http://www.dibo.com)

Note: Valid for models marked with the 5Y-warranty logo

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

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JMB-S



JMB-M



JMB-MG/ME



JMB-C



JMB-E



Skid



Built-in

**ASK FOR MORE!**



**DiBO BV**

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