

# 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

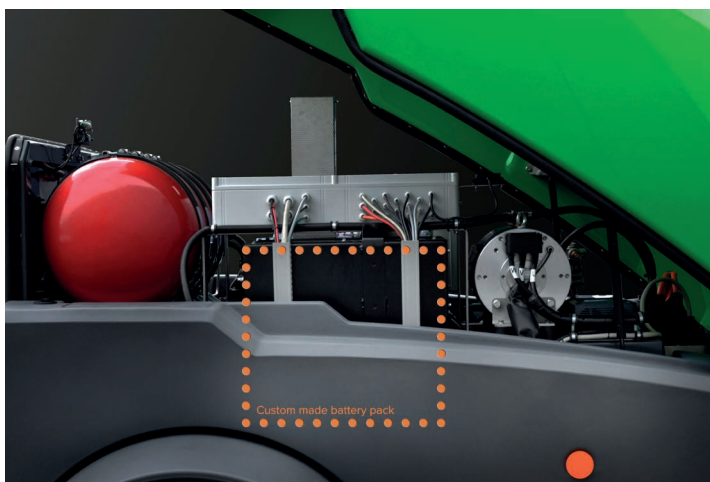
- DOUBLE-WALLED housing in POLYESTER:
  - Noise-insulating
  - Optionally available in different RAL colours
- Digital operation with joystick
- Unnecessary and impossible to open the trailer for cleaning → the controls and all tools are within easy reach on the outside.
- Unique storage system for tools 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 with high-pressure hose (3/8", 40 m) → wide operation range
code	Built-in hose reel 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 (*) depending on pressure and flow rate with or without swivel

## 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
- 450 l built-in water tank (only for TG and S version)
- Pressure relief up to  $< 25$  bar with sealed gun  $\rightarrow$  safety
- Electronic pressure and flow regulation via electronic speed engine governor
- Automatic idling  $\rightarrow$  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 and a set of protective gloves.

**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, 2 sets of protective gloves 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 and also a set of protective gloves. 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/h	°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	450	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	450	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	450	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	450	3500 x 1800 x 1750	1400 045
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	450	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	450	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	450	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	450	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	450	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-MD/MG/ME: work light + beacon activatable with joystick
1.234.151	(TT) Supplement for track & trace system JMB-M 4G
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: (WH) RAL9016 - white • (BK) RAL 9017 - black • (BU) RAL 5002 - blue • (OG) RAL 2009 - orange (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)

