

iONTRON

THE FUTURE. ZERO EMISSION.



Putzmeister



BSA 1005 iONTRON – 100 % electric

Emission-free, efficient, flexible – made by Putzmeister

BSA 1005 iONTRON – stationary and battery-powered

FOR AN ECO-FRIENDLY CONSTRUCTION SITE

ZERO CO₂ EMISSIONS*
MAX. NOISE PROTECTION
CONCRETE PUMPING

MADE BY PUTZMEISTER

WELL-DESIGNED CHARGING CONCEPT

Charging overnight or during work:

- # 230V Schuko
- # 400V / 16A or 32A CEE socket
- # With wall box Type 2 charging plug with 22 kW (32A CEE)
- 3.5 hours charging time 0 – 100 % SoC*
- 2.5 hours charging time 10 – 80 % SoC*
- # Optional mobile charger available

* State of Charge

- # **FIELD TESTS WITH
TWO PROTOTYPES**
- # **IN 6 COUNTRIES
(EU & USA & CANADA)**

EMISSION-FREE ON THE CONSTRUCTION SITE

Emission-free concrete pumping on the construction site – with up to 100 % CO₂ reduction, depending on the local electricity mix.

LOW-NOISE CONCRETE PUMPING

Protects residents and workers on the construction site – the BSA 1005 iONTRON can drastically reduce noise levels.

WORK FLEXIBLY AND RELIABLY

One battery charge is sufficient for a typical working day, depending on site conditions, concrete mix, and applications.

ECONOMICAL WITH MODULAR DESIGN AND PROVEN QUALITY

The BSA 1005 iONTRON is based on the BSA 1000 series modular system and therefore differs from the existing diesel and electric versions only in terms of the drive system. The hydraulics, control system, frame, core pump components, and available axle configurations (EU F8 and F80, US, and LACA) are 100 % identical.

BSA 1005 iONTRON – stationary and battery-powered

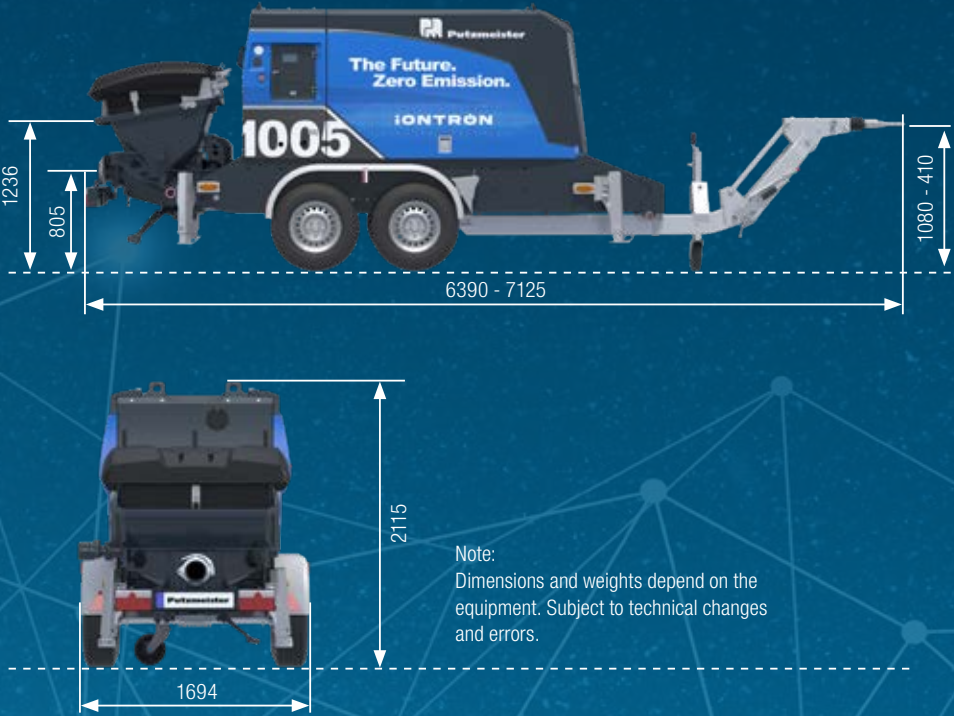
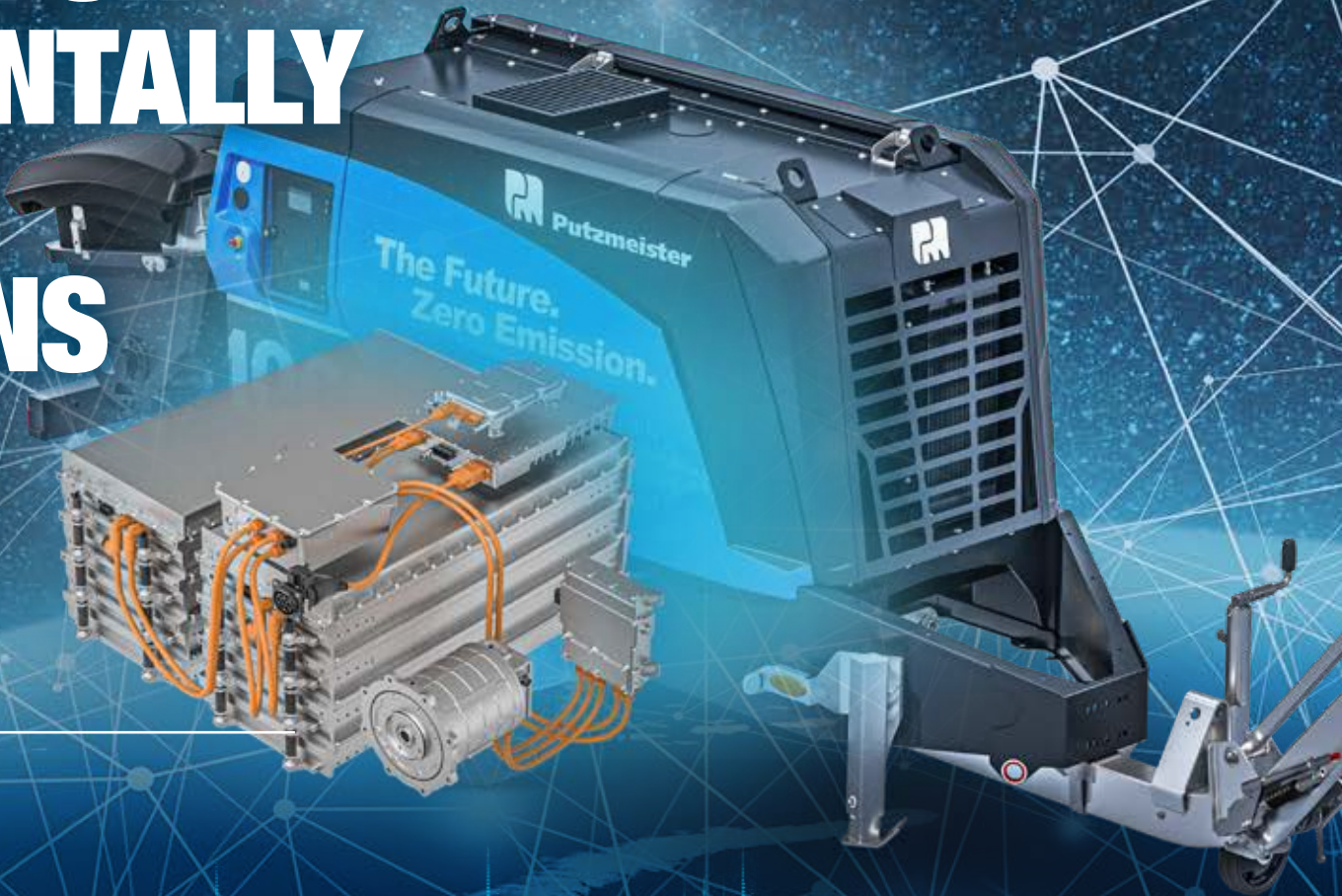
BSA 1005 iONTRON

EFFICIENCY FOR ENVIRONMENTALLY FRIENDLY APPLICATIONS

With an output of almost 50 m³/h, the BSA 1005 iONTRON even outperforms the diesel-powered BSA 1000. The battery can be easily charged while the machine is pumping, so you can expect reliable performance throughout the entire working day.

POWERFUL BRAND COMPONENTS

The Deutz electric motor not only offers performance, but also reliability thanks to the Deutz service network, which includes comprehensive services.



Note:
Dimensions and weights depend on the equipment. Subject to technical changes and errors.

Technical data BSA 1005 iONTRON

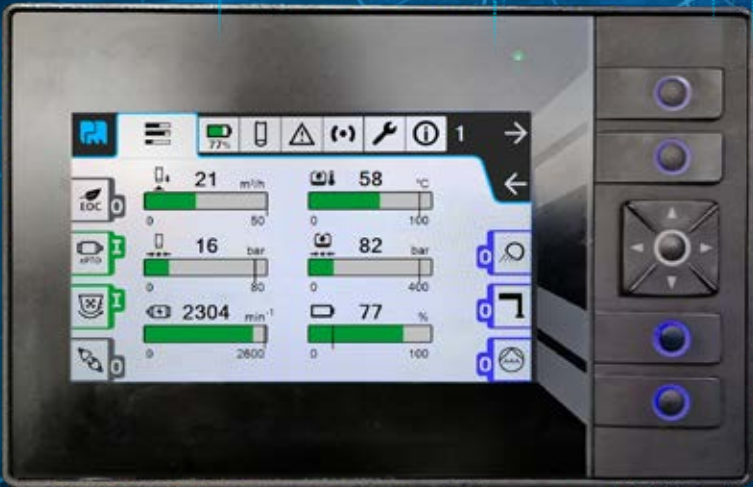
Output	47 m³/h
Delivery pressure	55 bar
Delivery cylinder Ø	180 mm
Delivery cylinder stroke	1 000 mm
Motor power	40 kW
Transfer tube	S 1812
Pipe outlet	SK 125 mm
Pressure connection coupling	5,5"
Control	Ergonic 3.0
Weight	max. 3,500 kg with F80 chassis

All specifications are theoretical max. values. Scope of delivery see offer. Ask about our extensive range of options.

Maximum flexibility with the Putzmeister charging concept

Operation is extremely simple – for beginners and experienced machine operators alike: basic functions can be easily operated even when wearing gloves. The 5-inch colour display shows operating conditions such as engine and pump status and allows easy selection of special functions and presets.

With the BSA 1005 iONTRON, the speed adjustment works in the same way as with a diesel version. When the pump stops, the drive motor also stops – saving energy. The agitator simply continues to run thanks to its own drive.



Standard equipment

- # Drive battery pack 78 kWh
- # Operating instructions and spare parts lists
- # Electronic fault management
- # Ergonic graphic display
- # F8 chassis
- # Centralised grease lubrication on hopper with hand lever press
- # Electric flow rate adjustment
- # Grill 60 mm
- # 10-metre cable remote control
- # Paintwork: pump, frame, roof anthracite grey, doors traffic blue
- # Cleaning accessories
- # Agitator safety shut-off
- # Splash guard
- # Rinsing water pump 50 l/min 20 bar
- # Support legs 3 x mechanical
- # Support wheel

BSA 1005 iONTRON – stationary and battery-powered

TOP QUALITY & PERFORMANCE: TESTED IN THE FIELD AND FOUND TO BE VERY GOOD!

FIELD TESTS ON VARIOUS CONSTRUCTION SITES IN BELGIUM AND THE NETHERLANDS



#1 Belgium

Filling 19 m deep bored piles with diameters of 360 mm and 560 mm. Pumping 40 m horizontally and 21 m vertically via a DN115 pipe. Charging successfully carried out during pump operation.



#2 The Netherlands

Pumping 25 m³ of concrete through a 30 m long DN65 pipe. The charge status of the BSA battery was supported by the Juice Booster with the lowest possible charging capacity of 220 V /16 A (domestic socket).



#3 Belgium

Pumping terrace foundation via a 45 m long DN75 pipe behind a single-family home.

A WORKING DAY IN GERMANY



#1 Recycling plant

Pumping aerated concrete with additives and liquefier via a DN80 hose line approx. 55 m into a hall. 22 m³/h average output due to concrete distribution.



#2 Precast plant

Pumping system blocks with a C30/37 at the concrete plant using a 50 m DN80 hose line. Nearly maximum pumping output at 40 m³ – 29% battery capacity remaining.



#3 Weir system / power station

C45 grade concrete pumped through a 110 m long DN80 pipe and hose delivery line.

FEEDBACK

According to customers who have tested the machine, the pumping characteristics and operation of the BSA 1005 iONTRON hardly differ from those of the diesel-powered BSAs of the 1000 series in a direct comparison.

The machine met all expectations in a wide range of applications, concrete qualities, and delivery pipe lengths.

A WORKING DAY IN CANADA



#1 Orangeville

Floor and foundation at CanCrete approx. 75.6 m³ max. 30 m hose 5" (11 a.m. - 4 p.m. at -5 °C).



#2 Toronto

Construction of a new building; approx. 8 m³, max. 30 m hose 3".



#3 Toronto

Lowering the foundations in the basement of an older house, approx. 10 m³, max. 30 m hose 3". Net pumping time of 2:23 hours (11 a.m. – 4 p.m. at -5 °C) with a pumping capacity of approx. 75.6 m³. Battery charge level dropped from 100% to 14% SoC.



FEEDBACK

"On three construction sites, we were able to pump a total of over 90 m³ of concrete through 5' and 3" hoses without any problems, despite the harsh Canadian conditions with temperatures as low as -5 °C. With good road conditions, we were able to move the machine at speeds of up to 110 km/h without any problems and without the machine swaying! We covered well over 100 kilometres during the operating time."

G. Göggelmann, Putzmeister



CREATE FUTURE WITH INNOVATION

A world where housing and infrastructure are affordable and sustainable.

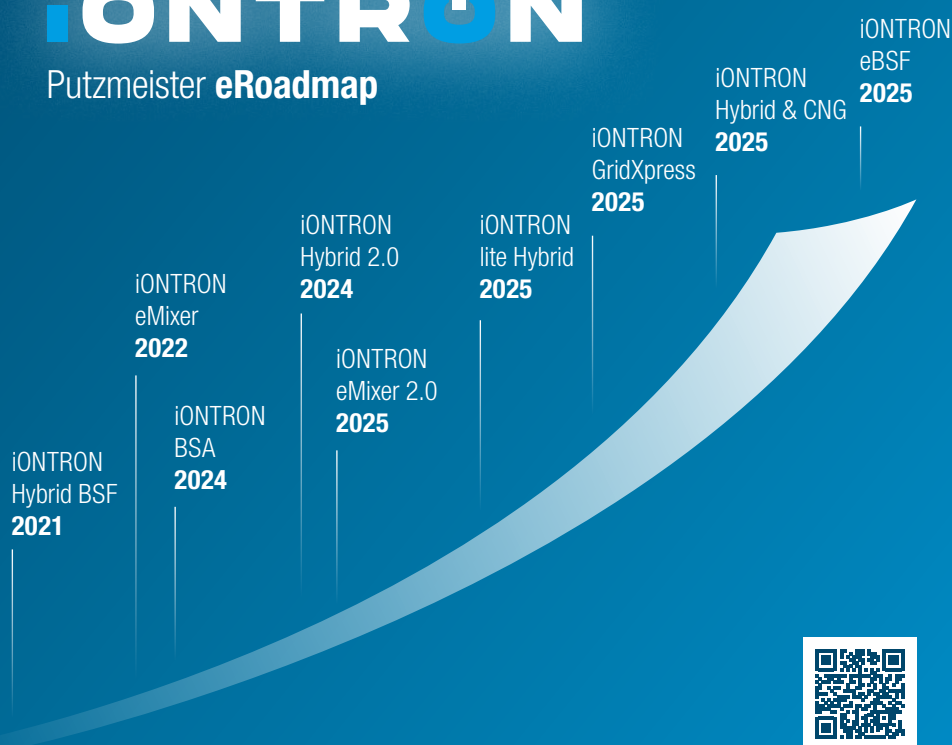
The Putzmeister path to greater efficiency and sustainability

We think long-term, always with the goal of CO2 neutrality – and we clearly see our responsibility here as the number one in the electrified concrete value chain. Whether efficient, energy-saving diesel engines with additional batteries, fully electric construction machinery or the combination with alternative drives such as CNG gas technology – we offer solutions. And we leave it up to our customers to decide which technology they choose.

With Putzmeister "TOGETHER FOR TOMORROW", so that housing and infrastructure become affordable and sustainable.

iONTRON

Putzmeister eRoadmap



Putzmeister Concrete Pumps GmbH

Max-Eyth-Straße 10 · 72631 Aichtal

Postfach 2152 · 72629 Aichtal

Tel. +49 (7127) 599-0 · Fax +49 (7127) 599-520

pmw@putzmeister.com · www.putzmeister.com

