

**Banke**

# **E-PTO CM Series**

for mobile crane application



# E-PTOs for Mobile Cranes

If you are electrifying your fleet of work vehicles, an E-PTO system from Banke provides a higher environmental impact for each Euro invested than any other solution available today.

The E-PTO system comprises a battery pack, electric motor, hydraulic pump, and a smart electronic control system. The battery pack is dimensioned to provide enough energy for a full day of operation and is then recharged overnight, ready for the next day. Operating silently and with zero CO2 emissions, a Banke E-PTO reduces energy consumed by on-board hydraulics by up to 60%. For a typical refuse crane, this means a saving of 15–20 liters of diesel every day.

## E-PTOs specifications

see full specs [here](#)



### Charger

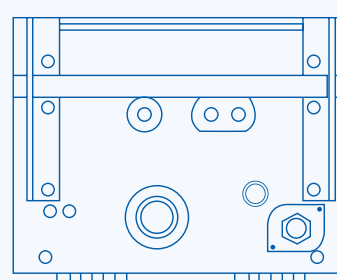
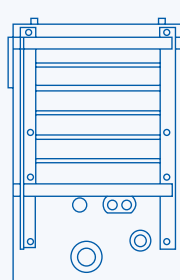
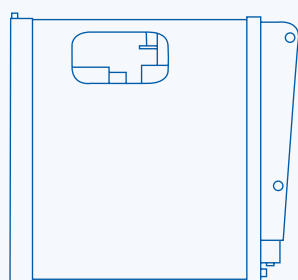
The on-board charger is connected to the mains using an industrial standard CEE-16A connector

### Possibilities of use

Originally designed for mobile cranes but also used on refuse trucks etc

### Design

Banke E-PTO systems have a generic design and can be used with all body manufacturers



# Your benefits from E-PTO

Using an E-PTO means that your crane is powered electrically using a plug-in system rather than being powered by a traditional hydraulic system powered by the vehicle's engine using a PTO on the gearbox.



## Care for the environment

Significantly better energy efficiency and lower environmental impact from carbon dioxide, nitrogen oxides, or particles



## Lower noise pollution

The lower noise levels of an E-PTO system result in a much better working environment for the crane operator



## Perfect for indoor use

A system free from fossil-fuels operating quietly makes a Banke E-PTO solution perfectly suited for urban environments, can also be used indoors



**0%**

No harmful emissions

**up to 30%**

Lower system noise level

**50–60%**

Lower energy consumption

**100%**

Equivalent to a conventional crane



# Banke Chassis Mounted E-PTOs for Mobile Crane Applications



## Designed for mobility

The Banke Chassis Mounted (CM) series of products are designed specifically with mobile cranes in mind



## Adjustable pump shift

The CM series comes with both fixed or variable displacement pump options



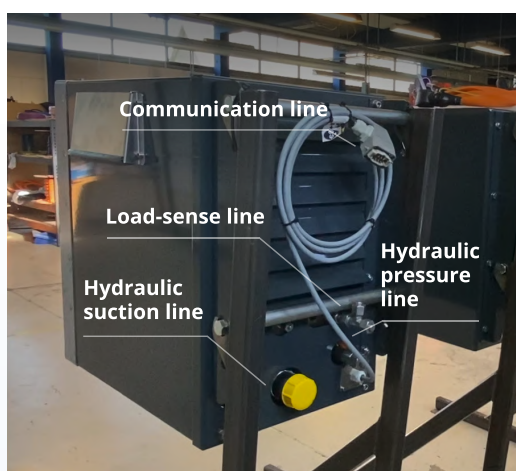
## Space and payload optimization

The CM E-PTO products are split into two boxes: a battery box and a power box. Each box can be separately mounted on the left- or right-hand side of the vehicle chassis as necessary to optimize space, payload requirements



## High energy capacity

The CM series is available with energy capacities from 20–80kWh and with a range of power levels available from the power box. A 40kWh system carries enough energy to empty 50 containers when used on a mobile refuse crane



Rear-view of Banke CM E-PTO power box showing interfaces to auxiliary systems



Typical installation of Banke CM36 E-PTO with power box on the left and battery box to the right

# About Banke

**Banke is Europe's leading supplier of electric-hydraulic systems powering the work functions of working vehicles.**

Banke's product range includes top- and chassis-mounted Electric Power Take Offs (E-PTOs) with an energy range from 18–80 kWh. Since introducing the first E-PTO in 2011 Banke has experienced rapid growth and has established a position as the clear European market leader. Over 400 units are in daily operation in eleven countries throughout Europe, more than the installed capacity of all our competitors combined.

**11 YEARS**

work with  
European countries

**400+**

daily operated  
pieces of equipment

**100%**

of our focus  
on working vehicles

Our current focus is on developing next-generation battery technologies for our entire E-PTO product portfolio which significantly increases power density, and on launching a full-electric conversion kit that can be used to rebuild a new, used diesel or CNG chassis to full-electric operation. The competencies we have developed in electrifying refuse vehicles and heavy-duty work functions put us in a unique position to exploit the increasing demand for electrification of working vehicles.

## Our product quality and service capability are second to none in the industry

Our focus is 100% on working vehicles including refuse vehicles, mobile cranes, concrete mixers, and street sweepers. Our team of automotive and power-electronics engineers is constantly developing our product portfolio and is ready to modify our existing platform to fit your needs.

Visit us at [banke.pro](https://banke.pro) for more information.

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