



ELECTRIC POWER TAKE-OFFS (ePTO) FOR MAN ELECTRIC

Leading the change in zero-emission solutions

INNOVATIVE ELECTRIC POWER TAKE-OFFS (ePTO) FOR MAN ELECTRIC

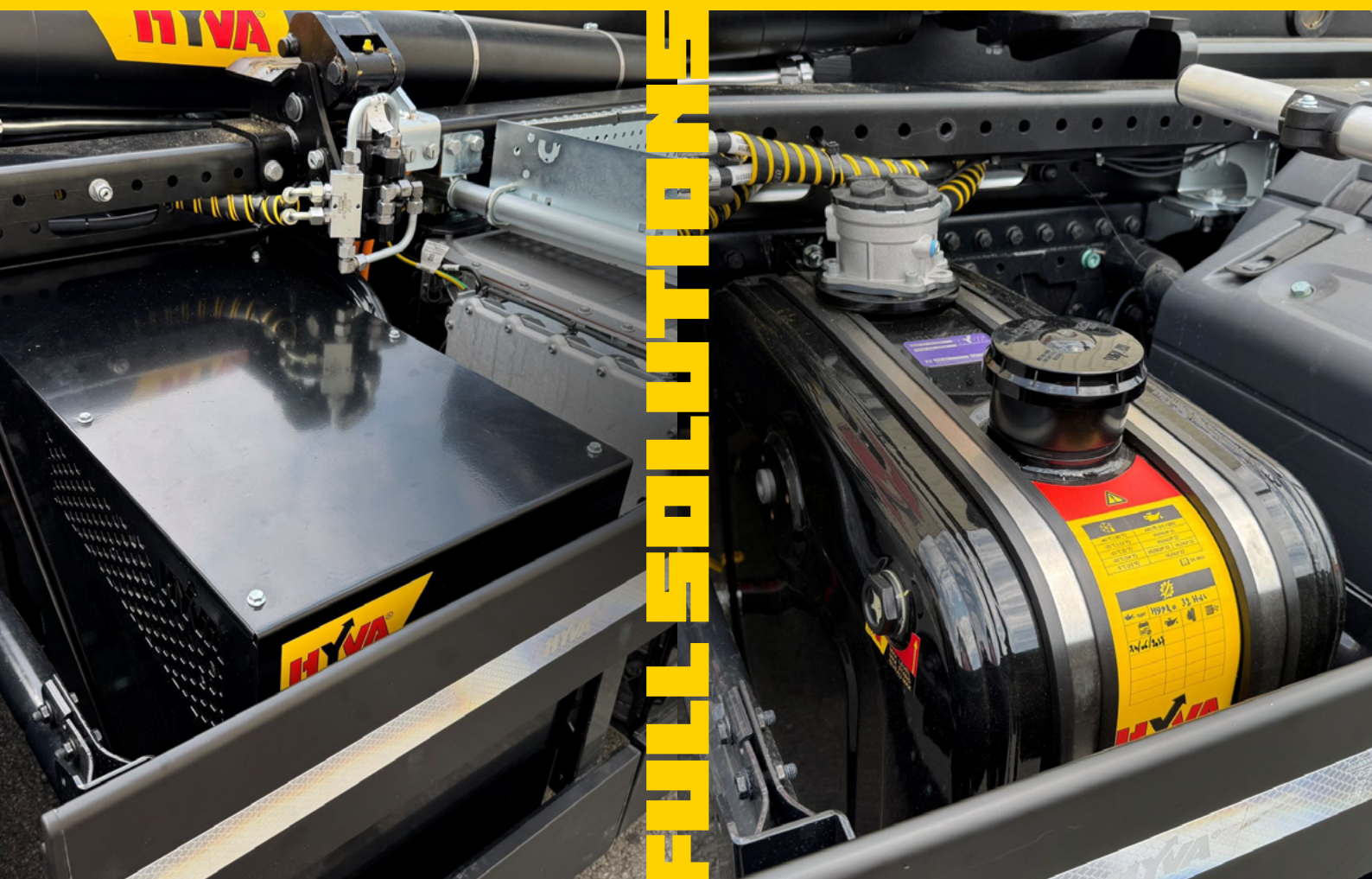
Revolutionize your fleet with HYVA's ePowerBox range

Welcome to the next generation of Electric Power Take-Offs (ePTOs). The HYVA ePowerBox range is engineered to meet the growing demand for zero-emission solutions in commercial vehicles. Our cutting-edge technology ensures minimal energy consumption and reduced noise levels, making it the ideal choice for the modern commercial vehicle industry.

HYVA's ePowerBox is a revolutionary solution designed for electric commercial vehicles with hydraulic work equipment. The ePowerBox optimizes the conversion of electrical energy to hydraulic movements, ensuring efficient energy use and lower operational costs.

- Universal Compatibility**
Designed to work with common hydraulic pumps and components (eg gear, piston or variable pumps).
- Low Noise Operation**
High torque capability allows the use of larger pumps at lower RPMs, significantly reducing noise.
- Ease of Installation**
Our expertise ensures seamless integration with various OEMs

VERSATILE TO SUIT EVERY APPLICATION



KEY FEATURES

- One-Box Solution**
Integrated mounting brackets simplify installation for fast, easy chassis mounting.
- Integrated ePTO-Controller**
Easily adjust parameters to match a wide range of equipment needs.
- Connected Technology**
Access energy usage data and performance metrics anytime via the HYVA Cloud portal.
- External CAN Control**
Supports up to 2 CAN-controlled devices requesting RPM control from the ePTO, alongside standard digital input control.
- Independent, Integrated Water/Glycol Cooling System**
Keeps performance stable and reliable, independent of the vehicle's cooling circuit.

KEY SPECIFICATIONS

Electric Power Available	50 kW Nominal 90 kW Peak (max 2 minutes)
Hydraulic Performance Capability*	250 bar up to 170 LPM 350 bar up to 125 LPM
Input Voltage	500-820 HV DC 9-36V LV DC
Cooling liquid	Independent, integrated water/glycol cooling system
Communication Protocol	CANJ1939 and Digital I/O ePTO Controller is integrated in ePowerbox
Pump Flange**	ISO 7653 4H flange & DIN 5462 spline shaft
Pump types which can be used	All commonly used pumps like gear, piston & variable (piston) pumps

* Indication only; actual performance will depend on the configuration and power available.
** Other configurations are possible in consultation.





ON- & OFF-HIGHWAY



PORTFOLIO

- Tipping Cylinders & Wetkits
- Electric Solutions
- DTS - Digital Tipping Solutions
- Container Handling Systems
- Hydraulic Components
- Waste Handling Solutions
- Towing Devices
- Horizontal Loading and Unloading Systems



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