

# The eRCV27

**Banke**

Preliminary specifications are subject to change without further notice – 28 April 2016

## GENERAL CONFIGURATION

<b>Axle type</b>	6x2-4 (axles 1 and 3 - active steered; axle 2 – electric drive axle)
<b>Available wheel basis</b>	3600 mm
<b>Seat configuration</b>	2 crew plus 1 driver, or 3 crew plus 1 driver
<b>Cabin entry height</b>	400 mm, fully flat cabin floor, 1 step at the driver's operation place
<b>Width of the cabin</b>	2550 mm
<b>Cabin doors</b>	Passenger and driver side, sliding door opening only 80mm outside of the vehicle
<b>Internal standing in the cabin</b>	2000 mm
<b>Front axle</b>	ZF RL82EC / 8000 kg
<b>Drive axle</b>	ZF AVE130 / 11500 kg
<b>Rear steer axle</b>	ZF RL82EC / 7500 kg
<b>Spread of rear bogey</b>	1500 mm between drive and tag axles
<b>Frame material</b>	DIN 1.4003 Stainless steel with anti-corrosion coating
<b>Frame height</b>	980 mm @ 295/80R22,5 wheels
<b>Brake mechanisms</b>	Ventilated Discs on all axles
<b>Suspension</b>	Air suspension on all axles
<b>Tires</b>	295 / 80 R 22.5
<b>Cabin Ventilation</b>	Roof hatch with electric control, sliding windows in both doors, electric fan for air circulation
<b>Cabin heating</b>	Water heaters using excess heat of the cooling system in combination with front air electric heater

## WEIGHTS AND PERFORMANCE

<b>Gross vehicle weight</b>	27000 kg
<b>Curb weight of the chassis (w/o compactor)</b>	9920 kg
<b>Maximum speed</b>	80 km/h
<b>Maximum gradeability</b>	14% @ GVW
<b>Turning radius</b>	7,4 m @ 3600mm wheel base
<b>Total power of traction motors</b>	120 kW nominal, 250 kW (340hp) for 10 minutes
<b>Total capacity</b>	220 or 245 kWh, shared between driveline and E-PTO
<b>Battery Technology</b>	LiFePO4
<b>Battery Lifetime</b>	> (plus) 2000 full charging cycles
<b>Battery charger</b>	Integrated 40 KW charger with charging connector at drivers side
<b>Batter Voltage</b>	614 V DC (560...710 V DC)
<b>Charging Time</b>	6 hours @ 40 kW charger
<b>AC Installation Requirements</b>	3x400V AC 50 Hz, standard 5 pole 63A CEEplug and 63 Amp Group with RCD
<b>Body builder Interface</b>	CAN 2B, or analog interface. Prepared for EN1501-1 pre 2018/12
<b>Hydraulic pump interface to Power Take- Off</b>	DIN 5462 (DIN ISO 14) for direct mount of the body builders hydraulic pump
<b>Power Take Off Performance</b>	30 kW nominal, up to 60kW peak power @ 1500 rpm on the pump shaft
<b>Operating conditions</b>	-20 to +45 degrees Celsius (above +35 degrees Celsius power derating possible)
<b>External noise Level</b>	< 72 dBA at 7 meters
<b>Noise level in the cabin</b>	< 65 dBA

