

All-electric performance that inspires

KÖPPL
eMobility



NEW

KÖPPL eMobility

Zero emission* for professional use

* when using electricity from 100% renewable power generation.





eMobility indoors and outdoors



eMobility for spring, summer, fall and

As a pioneer of eMobility, Köppel has already gained many years of experience with purely electrical powered carrier vehicles and the efficient coordination of the attachments.

For fully electric use, the Kompakt Easy (CEE) is available as an entry-level unit and the Kompakt Comfort (CCE) as a fully professional unit. Access to high power reserves gives the CCE the same attachments options as equipment with a comparable conventional drive.

eMobility in big and small



winter



eMobility with professional performance...



New and already proven



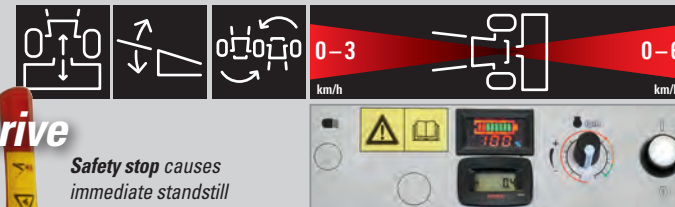
More than 125 years of continuous development and more than 50 years of experience with attachments and carriers have resulted in numerous innovations.

The focus of development has always been to develop the most durable, long-lasting and robust equipment possible, which can prove itself in all situations.

The eMobility devices from Köppel are the logical further development of sustainability with an all electric drive: with all the innovations from the previous devices in the eMobility devices.

For example, Köppel not only received an award for the eDrive concept back in 2017, but also for its special concept of efficient power transmission to the PTO shaft, the ergonomic handle control via EasyDrive, or the turnaround active steering system protecting the soil: innovations that can also be found in the eMobility carriers.

CEE Kompakt Easy eDrive



PTO drive

Speed regulation independent of the PTO

Safety stop causes immediate standstill with motor still running

LED worklight (optional)

Ergonomic, easy-to-grip controls
 Battery main switch
 Speed controller electric motor
 Display battery status in % and operating hours

Large battery pack (standard equipment), toolless exchangeable

Freewheel gearshift operated from the handlebar for easy turning

Tie bar height adjustment

Damped and low-vibration tie bar mounted on silent blocks



Quick and tool-free battery change



Cooler and regulator group (for year-round use)

Quick-change flange for effortless and rapid exchange of attachments

Extremely simple operation and efficient in use. Perfectly tuned all-electric performance, low friction losses.

| Motorization | All-electric |
|------------------------|--|
| Battery pack | 48V/40 Ah |
| KW | 3 KW Nominal power 3,3 KW Peak power |
| Weight without battery | 70 kg |
| Application | Year-round use |
| Hydrostatic drive | stepless 0-6 km/h forward, 0-3 km/h backwards |
| PTO mechanical | 980 U/min |

CCE

Kompakt Comfort eDrive



Infinitely variable electronic speed control forward and backward with

Köppl Easy Drive.

The operation of the device remains identical in forward and reverse mode (without rethinking).

| | |
|------------------------|--|
| Motorization | All-electric |
| Battery pack | 48V/150Ah or 48V/210Ah |
| KW | 5 KW Nominal power 7,3KW Peak power |
| Weight without battery | 136 kg |
| Application | Year-round use |
| Hydrostatic drive | stepless 0-8 km/h forward, 0-4 km/h, 0-3,6 km/h backwards |
| PTO mechanical | 837 U/min |



Attachment socket (optional) for coupling electrically controllable attachments

Base plate fan hook flange (optional)



fan hook flange (optional)



Bypass valve for sliding operation, manual wheel disengagement (optional)

Wrap around protection on the axles with **Labyrinth wrap protection** on the wheel motors

Basic device without battery



Safety stop lever
Causes immediate standstill of PTO and travel drive

Parking brake

PTO drive

Ergonomic, easy-to-grip operating elements

Power shuttle function

Steering lever left

Steering arm right

Swivel bar lever

Stepless speed adjustment

12V on-board power connection with DC-DC converter

Clearly arranged dashboard with tie bar height adjustment and operating hours counter

LED headlights (optional)

Hydraulic drive with variable pump and **two powerful wheel motors**

Newly developed, **vibration-damped tie-bar** for heavy-duty and continuous use

Temperature regulation and cooling system (standard equipment)

Loading lugs (standard equipment)

Swivel bar. At 180° rotation, the controls change automatically; operation thus remains the same forwards and backwards.



-20° <--- 0° >--- +20°
-30° <--- 180° >--- +30°

A sustainable, robust carrier that gives you freedom of use. Extremely low vibration and quiet in operation. Electric performance that inspires and intuitive ease of operation that makes everything very simple.



The Köppl **Turnaround-Active Steering** turns the power tool 180° on the spot directly over the center point. The wheel motors are driven individually in opposite directions and provide full control when turning with minimum effort and maximum protection of the ground.

Specially protected underbody

Quick-change flange for effortless and quick exchange of attachments

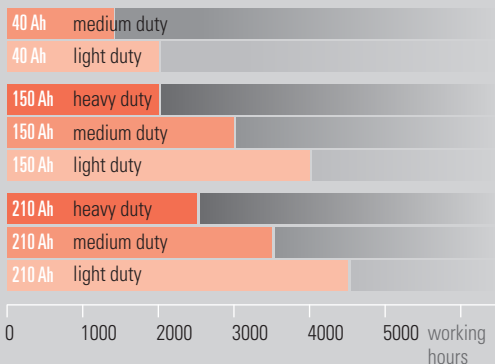


NEW

Powerful

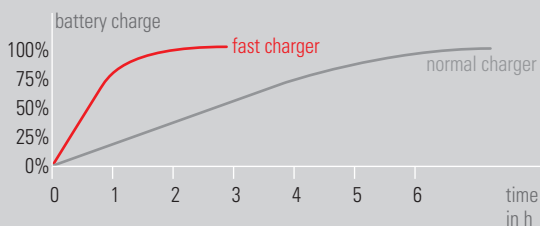
Battery runtime*

Approx. load residual capacity of 80% after hours worked



Köppel eMobility always with fast chargers

Average charging time normal charger versus fast charger.



Fast chargers for long-lasting eMobility

Charger 10 A (CEE inclusive equipment). Optionally also available as fast charger 20 A.



| charger | 40 Ah battery | 150 Ah battery | 210 Ah battery |
|---------|---------------|----------------|----------------|
| 10 A | 5 hours | - | - |
| 20 A | 2,5 hours | - | - |
| 50 A | - | 3 hours | 4,5 hours |

5 tips for a long battery life

When you fully charge the battery, use the device immediately afterwards. In this way, you make optimum use of the power supplied.

Only drain the battery completely in extreme cases. A charge level of around 50% would be ideal for the battery. Although since this is often impossible due to use, the charge level should always be between 20% and 80%.

In cold temperatures, it is best to charge immediately after the use. Batteries that have cooled down age more quickly and cannot absorb the same amount of energy as a well-tempered battery. Therefore, charging after use is advisable, especially in winter.

In summer, when it is very hot, place the device or battery in the shade when charging or not in use.

Regularly charge to above 20% to 50% when the battery is below 20% and the device is not in use.

Extend the battery life enormously when the load is in the middle range of the battery.

Fast charger 50 A. Accessories for CCE.



For Kompakt Easy eDrive



weight 12,6 kg
battery with attachments

Removable rechargeable lithium-ion battery

Original Köppel Li-Ion-PowerPack with 40 Ah. Including finely tuned Köppel battery and engine management system.

Continuously optimized through many years of experience.

48v/40Ah

*Battery runtimes: Manufacturer's data and calculated values for average working times depending on the area of use. The number of runtimes with guaranteed 80% residual capacity may vary depending on use and loading and unloading.

For Kompakt Comfort eDrive



LI-ION
BATTERY



NEW

weight 55 kg
battery with attachments

Removable rechargeable lithium-ion battery

Original Köppl Li-Ion PerformancePack with 150Ah. Finely tuned Köppl battery and engine management system for long service lives and heavy-duty applications. The new innovation created by several years of experience.

48v/150Ah



LI-ION
BATTERY

LG



NEW

weight 55 kg
battery with attachments

Removable rechargeable lithium-ion battery

Original Köppl Li-Ion High-PerformancePack with 210 Ah. Finely tuned Köppl battery and engine management system for extremely long service lives and the heaviest applications. The new innovation created by several years of experience.

48v/210Ah

 **KÄPPEL**
eMobility



Sustainable from the ground up

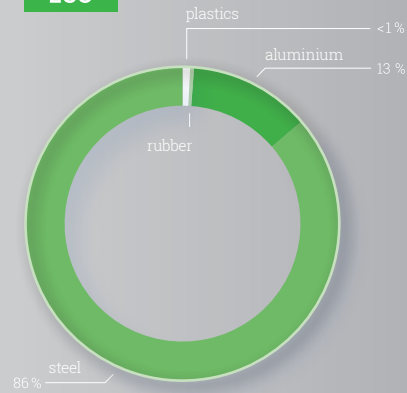
Both Köppl eMobility carriers and the attachments are manufactured with a focus on ecology.

This includes the selection of materials from renewable and durable materials and the generation of its own renewable electricity for manufacturing.

The eMobility performance also benefits from the efficient power transmission principle of all Köppl equipment. This is because the experienced Köppl design ensures that the optimum power always arrives at the attachments.



Average material mix of a KÖPPL carrier vehicle with attachment



Modular Pros

Kompakt Easy eDrive



| Tyres | 16x6.50x8 | 4.00x8 | 4.00x8 | 16x6.50x8 |
|-------------------|-----------|--------|---------|-----------|
| | AS | AS | lamella | lamella |
| track width in cm | 64 cm | 59 cm | 59 cm | 64 cm |

Mowing



Double knife bar 1,5

With self-adjusting plates and sanding soles
DUOCUT



Flail mower 1

With „Y“ centrifugal flail blades ideal for mulching grass and scrub on plantations and slopes



Soil



Rotary hoe 1

Special drive ring and tapered bearing with sturdy knives and spiral milling feed. Is driven backwards.



Cleaning



Sweeper 1,5

Swivel sweeper with center drive for dirt and snow for precise sweeping to the edge.



Weed remover 1

Ecologically gentle and agile weed removal.



Winter



Snow blade 2

With steel scraper and rubber bar without spring safety device.



Snow blower 1

Robust, compact, two-stage snow blower with stable feed auger.



The specified runtimes per battery charge are measured values and partly calculated values.

The times may vary depending on the intensity of use and the width of the attachment.

The specified runtime in hours is the maximum runtime with a charged battery until the motor management starts.

Kompakt Comfort eDrive



| Tyres | HillSpikes | traction combination | traction combination | additional traction combination |
|---------------------------------|------------|----------------------|----------------------|---------------------------------|
| | | 4-row | 3-row | 2-row |
| Track width (normal/wide) in cm | 150 cm | 130/142 cm | 122 cm | 107 cm |
| Twin wheels track width in cm | | | | |

Mowing



Double knife bar 3,5 | 4,5

with spring plunger, low vibration



Municipal Beam 3,5 | 4,5

8mm knife back, screwed 3.6mm double blades.



Free Cutting Bar 3,5 | 4,5

With spring pusher & grinding soles



Finger Bar 3,5 | 4,5

With spring pusher & grinding soles





150 210Ah

Haying



150 210Ah

Soil



150 210Ah

Cleaning



150 210Ah

Winter



150 210Ah



Eco- and sickle mower 1,75 2,5

Rugged, stone chipping with precise depth adjustment. From scrub to mulch lawns ecologically.



Hay machine 5 6

For turning and windrowing with belt drive on opposite side (uphill side) of the ejector (downhill side) and two V-belt drives.



Turf rotary harrow 5 7

For removing moss, leveling molehills or spreading manure, cow dung or slurry crusts evenly.



Dual skimmer rake 6 8

Double driven interchangeable fine grain steel double rake with ball bearings and spring elements. Steel tube guide arms on special cone wedge blocks / ball cones.



Sweeper 4,5 6

Continuous roller with mixed bristle broom trim for dirt and snow, swivels. Adapts perfectly to uneven surfaces.

Snowblade 5 7

With spring safety device and replaceable steel scraper and rubber bar, swiveling. Additional side plates (left and right) for insertion optional.



Professional flail mower 1,75 2,5

Ideal for mulching grass and scrub with tool-free cutting depth adjustment. Shreds the blades of grass, the cuttings remain chopped.



AlpinRake 2,5 3,5

Clean and effective hay and green chop harvesting with clean crop collection through laser cut hardened tines.



Stone burying machine 2,5 3,25

Overload protected with lateral chain drive and adjustable grid roller for a continuous, homogeneous milling pattern due to adjustable, high-quality, stable milling blades.



Stone rake 6 8

Crushes earth lumps, levelling the surface and moving stones to the side. With carbide rotor teeth and guide wheels for precise depth adjustment.



Weed remover 4,5 6

Weed removal on paved areas with counter-rotating interlocking brushes. Ideal at curbs.



Snowblower 1,75 2,5

Robust, compact, field-proven two-stage snow blower with sturdy, toothed feed auger (secured).



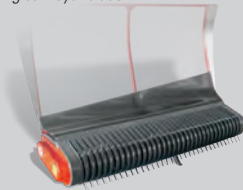
2-disc rotary mower 1,75 2,5

2-disc mower for high passage with 3 blades per rotor.



Hay plough 3 4

With 4 variable tine rows controlled driven for gentle pick up and swiveling conveyor blade.



Tree stump grinder 2,5 3,25

With 8 interchangeable round chisels and 300 mm disc diameter oil bath angular gear with ratchet clutch.



Plows, harrows, planters 4 6

Angle turning plow, finger plow, Heap body, 2-row heap body potato planting hole star, potato digging plow, potato planter



Cultivating machine 6 8

For environmentally friendly removal of wild growth on water-bound paths and surfaces. Exact depth adjustment via spindle.



Salt, grit and fertilizer spreader 6 8

Suitable for sand, salt and fertilizer with 100l capacity and adjustable spreading ejection (li-mi-re).



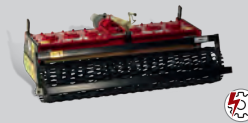
Special wide track mower 3 4

With spring pusher and grinding soles.



Rotary harrow 4 5

With rotary harrow blades for milling, leveling and compacting the soil. Spindle adjustment including following roller and dozer blade.



Garden shredder 2,5 3,5

1 blade up to max. branch diameter of 6 cm. Discharge height 90 cm, maximum production capacity 3 m³/h.



| | | | | |
|-----------------------|-------------|--------------|-------------|-----------|
| | | | | |
| additional hand wheel | 5.00x10 | 18x9.50x8 | 20x8.00x10 | 21x11x10 |
| | AS | AS | AS | AS |
| 114/118 cm | 66/79/83 cm | 91/96/108 cm | 79/90/94 cm | 85/104 cm |
| | 112 cm | | | |

Professional rotary hoe 3 4

Sturdy knives with spiral milling feed for durable work. Working depth adjustable without tools.



Sustainability in all areas

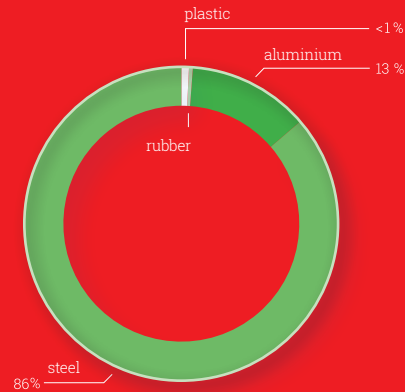
Low noise emission

Thanks to Köppl eMobility, noise emissions are reduced only to the noise generated by the attachment. The carrier vehicle also operates with extremely low vibration.

| Application type | db(a) | Comparison noise sources |
|--------------------------------|-------|--------------------------|
| mulching | 80 | truck |
| soil cultivation | 75 | radio, TV |
| snow milling | 70 | radio, TV |
| pavement cleaning | 65 | radio, TV |
| mowing, sweeping, snow removal | 60 | talking |
| transporting | 50 | office, park |

Ecological material selection

Sustainability through robust materials, low plastic use, easy replacement and exchange.

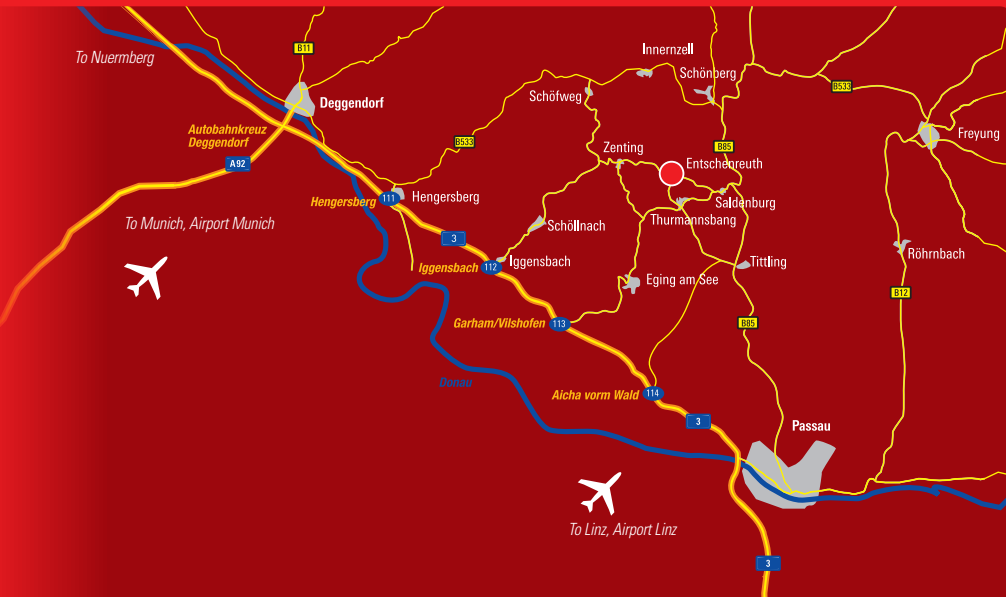
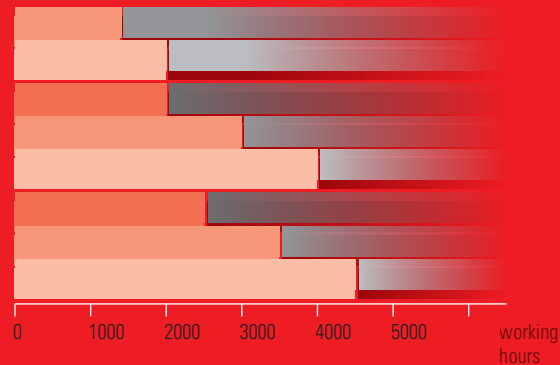


High energy efficiency

Optimized drive battery control and maximum power transmission with the best energy efficiency through the Köppl PTO principle for long service lives.

Battery runtime*

Approx. load residual capacity of 80% after hours worked



YOUR KÖPPL UK DISTRIBUTOR



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