

AG TO GO

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KNEGT®

COMPACT ELECTRIC POWER



knegt-usa.com



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ELECTRIC COMPACT TRACTOR **YOUR GREEN HELPER**

Tight spaces, small areas and narrow streets. This is where Compact tractors are at their best. Because it's all about endurance and manoeuvrability while working at full capacity but less noise and no emissions!

See our caption 1 - 10



Why Electric?

You may wonder why an electric tractor.

Electric tractors offer several advantages over traditional diesel-powered tractors. Here are some of the key advantages.

Lower emissions: Electric compact tractors do not produce exhaust emissions, reducing air pollution and greenhouse gas emissions. There are also practical reasons besides the environmental aspect. They allow you to work indoors without the need for ventilation. Useful when you think of greenhouses, indoor riding stables or stables for instance.

Noise reduction: Electric compact tractors are quieter than their diesel counterparts, reducing noise pollution in the immediate vicinity and making working conditions more pleasant for operators.

Lower fuel costs: Electricity is generally cheaper than diesel, which can lead to significant cost savings over time.

Lower maintenance costs: Electric compact tractors have fewer moving parts and less complex engines, resulting in lower maintenance requirements and costs.



KNEGT 45 HP ELECTRIC TRACTOR

Drive 4WD

Dimensions 329 x 149 x 155/242 cm**

Axle width rear 120 cm

Axle width front 120 cm**

Wheelbase 171 cm

Ground clearance rear 29 cm**

Ground clearance front 29 cm**

Empty weight 1,760 kg

Turning circle 230 cm**

Speed forward 1/25 km max**

Speed reverse 1/25 km max**

Motor drive 30 HP

Hydraulic motor 15 HP

Battery Lithium

Capacity 250AH / 500A / 24 kWh

Battery management system yes

Working time 3-6 hours Int.

Charging 7-8 hours (220v) and 3,5-4
hours with quick charger (380v)

Charging cycles 3,500

Regenerative braking Yes

Clutch Double

Gears 4 + 4 x 2

Front wheels 6.0-12

Rear wheels 11.2-20

Brakes Disc brakes

3-Point hitch lifting capacity

61 cm behind the ball hitch 432 kg

3 point category 1

PTO rpm 540 / 1000



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*



*Tires serve as an example. Supplied with wide tractor tires as standard!

**depending on the tire selection



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KNEGT 55 HP ELECTRIC TRACTOR

Drive 4WD

Dimensions 352 x 155 x 159/251**

Axle width rear 140 cm**

Axle width front 120 cm**

Wheelbase 190 cm

Ground clearance rear 37 cm**

Ground clearance front 40 cm**

Tare weight 2.060 KG

Turning circle 400 cm**

Max speed forward 1/25 km**

Max speed reverse 1/25 km**

Diving motor 40 HP

Hydraulic motor 15 HP

Battery Lithium

Capacity 350AH / 500A / 33,6 kWh

Battery management system yes

Working time 3-6 hrs

Charging 7-8 hours (220v) and 3,5-4

hours with quick charger (380v)

Charging cycles 3.500

Regenerative braking Yes

Clutch Double

Gears 4 + 4 x 2

Front wheels 7.5-16

Rear wheels 12.4-24

Brakes Disc brakes

3-Point hitch lifting capacity

61 cm behind the ball hitch 678 KG

3-point hitch category 1

PTO rpm 540 / 1000

Charger included Yes, 220V

Optional Quick charger 380V



*Tires serve as an example. Supplied with wide tractor tires as standard!

**depending on the tire selection



KNEGT 65 HP ELECTRIC TRACTOR

Drive 4WD

Dimensions 379 x 162 x 258**

Axle width rear 140 cm**

Axle width front 120 cm**

Wheelbase 198 cm

Ground clearance rear 37 cm**

Ground clearance front 40 cm**

Tare weight 2.258 / 2.400 kg**

Turning circle 400 cm**

Max speed forward 1/25 km**

Max speed reverse 1/25 km**

Diving motor 50 HP

Hydraulic motor 15 HP

Battery Lithium

Capacity 700AH / 500A / 67,2 Kwh

Battery management system Yes

Working time 7-8 hrs

Charging 7-8 hrs (220v)

3,5-4 hrs with quick charger (380v)

Charging cycles 3.500

Regenerate Yes

Cooling system Water cooled

Gears 4 + 4 x 3

Front wheels 8.3-20

Rear wheels 12.4-28

Brakes Disc brakes

3-Point hitch lifting capacity

61 cm behind the ball hitch 1100 KG

3-point hitch category 2

PTO rpm 540 / 1000

Charger included Yes, 220V

Optional Quick charger 380V



*Tires serve as an example. Supplied with tractor tires as standard!

**depending on the tire selection

5 KNEGT DOUBLE POWER

The knegt electric compact tractors are equipped with two electric motors.

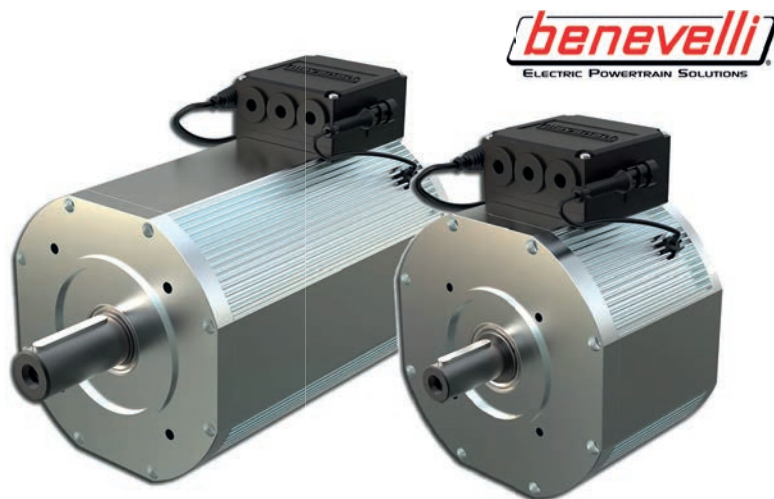
One electric motor for the drive and PTO and one electric motor for the hydraulic pumps.

We use the electric motors from Benevelli, the leading company in the field of electric motors from Italy.

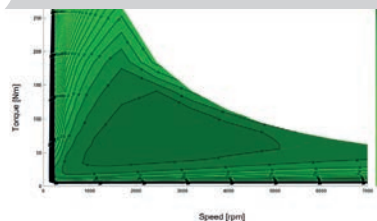
Next Gen Electric Motor

The Benevelli company have designed a new electric motor even more powerful and more efficient. This is the new SMAC Serie, Benevelli's electric motors family with synchronous technology.

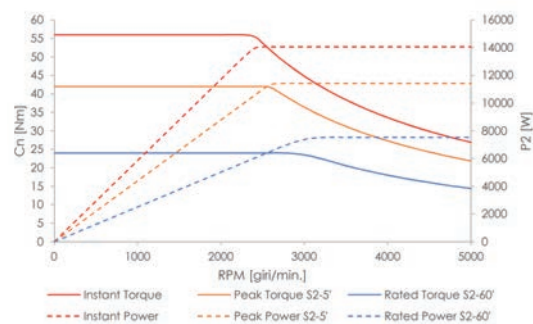
This new model allows us to achieve even higher performance making it ideal for Off-Highway and eMobility applications.



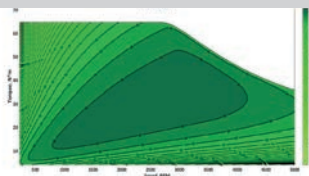
Efficiency Map % (*)



Speed- Torque & Speed Power Motor Curves



Efficiency Map % (*)





Lithium Power Pack

Together with our powercell partner, we have designed a battery that delivers a lot of power but is so compact that it simply fits under the hood. The Knekt lithium power pack! This lithium battery has a further developed battery management system (BMS), high capacity discharge. The Knekt lithium power pack has a charging cycle of 3.500 times. The electric compact tractor also uses an Energy Recovery System. This system charges the battery using the energy recovered while braking on the engine.

A 220V charger is supplied as standard with the electric compact tractor.

Optionally, a 380V fast charger is available. With the fast charger, the electric tractor is charged back to 80% in 2 hours.

Additional battery pack

The standard electric tractor has an internal battery pack under the bonnet. With only this internal battery, the tractor has a working time of up to 3.5 hours. To achieve a longer working time, there is the option of an additional battery pack. With this additional external battery pack, the all-rounder has a working time of up to 9 hours. By this working time, we mean REALLY working. Here for example, you can think of working with an overtop router at full intensity.

The additional battery can be attached to both the front* and rear hitch. To achieve the 9 hours working time. You first need to consume the external battery and when it is empty, it is placed on the quick charger. You then continue working with the internal battery. When it is empty, the external battery is charged again and you can continue working with it.



* Front linkage system is an option

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KNEGT TYRES

All Knekt tractors are equipped with wide tractor tyres as standard. However, you can choose between the Mighty Mow and Garden Pro. Please inform us for specific tyres

Radial Agro	Wide tractor tyre
Mighty Mow	Wide Turf tyre with fine profile
Garden Pro	Wide turf tyre with deep profile



Radial Agro



Mighty Mow



Garden Pro



KNEGT FRONT LOADER

In addition to all standard options, the electric tractors can also be equipped with a Stoll front loader. Stoll has a longstanding reputation as one of the best front loader manufacturer in the world. Equipped with parallel guidance, quick coupler and joystick control with 3rd function* (*optional), Stoll front loaders are a pleasure to work with. Thanks to its specific cylinder technology, the front loader reacts very quickly. The bucket is supplied as standard with the front loader. However, a whole range of attachments is available for these front loaders. Like a bale clamp, manure grabber or pallet forks. The Knekt 304G2E can load **500KG** The 404G2E can load **600KG** and the 504G3E up to **800KG** without contra weight.





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KNEGT CABINE

The totally new cab of the Knekt compact series is equipped with windows that open on all four sides, heater, LED working lights and windowwashers.





NAGLAK

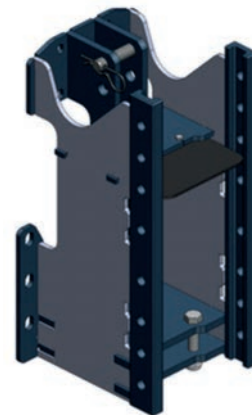
The Naglak luxury cabine is available on all types



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KNEGT **DRAWBAR COUPLINGS**

No matter what you want to tow behind the tractor, with Scharmüller's fixed or height adjustable drawbar couplings, everything is possible.




scharmüller
AUSTRIA



ZUIDBERG
FRONTLINE SYSTEMS

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KNEGT **FRONT LIFT**

For front lift applications we work together with Zuidberg. Zuidberg is the pioneer and market leader in front lift applications and delivers the best quality equipment for our high-quality electric tractors.

In addition, there is also a front PTO and front hydraulics available. The Zuidberg front lift can lift up to 300 KG, has foldable arms with hook linkages.





KNEGT

KNEGT
QUALITY TRACTOR EQUIPMENT

TRACTORS
EQUIPMENT

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KNEGT **SERVICE/** **MAINTENANCE**

Customer service is important for us. That's why we offer good service and maintenance of our products. However, the maintenance of the electric tractors from Knekt is very easy. Because Knekt's electric tractors, unlike the diesel versions, have no combustion engine and therefore few moving parts, the advantage is that they require almost no maintenance. This makes it possible that the necessary maintenance can be done by anyone. So you are not dependent on a specific dealer. The electric tractors are produced at Knekt in the Netherlands and therefore all parts are easily and quickly available.



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