



KNEGT[®]

QUALITY TRACTORS EUROPE

COMPACT ELECTRIC POWER



knegt-international.com

psdgroundscare.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 with no noise and zero emissions!



Why Electric?

You may wonder why an electric tractor.

The answer is, Sustainability. This is what you hear more and more.

Everyone knows that this is really important, for preserving our planet for the future. But the use of an electric tractor is not only of social importance.

There are also practical reasons.

An electric tractor is stronger, less noisy and needs less maintenance.

Financially there are also advantages.

You have lower consumption costs per hour, lower maintenance costs and you can receive a subsidy on the purchase.



KNEGT 45 HP ELECTRIC TRACTOR

Drive 4WD
Dimensions 338 x 155 x 155/242 cm**
Axle width rear 124 cm**
Axle width front 118 cm**
Wheelbase 164 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 350AH / 500A / 33KW
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

Recharge 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 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 450AH / 500A / 43KW

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

Regenerate 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

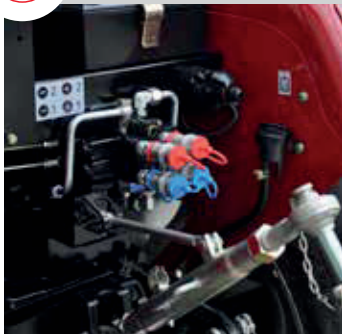
61 cm behind the ball hitch 678 KG

3-point hitch category 1

PTO rpm 540 / 1000

Charger included Yes, 220V

Optional Quick charger 380V



*Tires serve as an example. Supplied with tractor tires as standard!
**depending on the tire selection

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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.

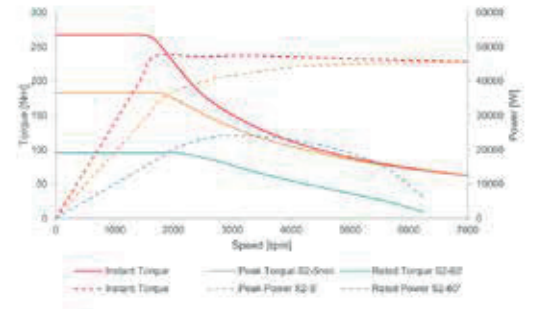
We use the electric motors from Benvelli, the leading company in the field of electric motors from Italy.

Next Gen Electric Motor

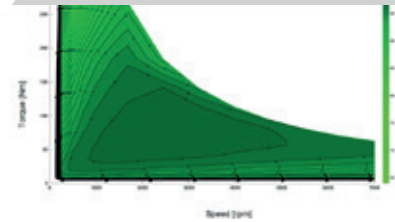
The Benvelli company have designed a new electric motor even more powerful and more efficient. This is the new SMAC Serie, Benvelli's electric motors family with synchronous technology. This new model allows us to achieve even higher performance making it ideal for Off-Highway and eMobility applications.



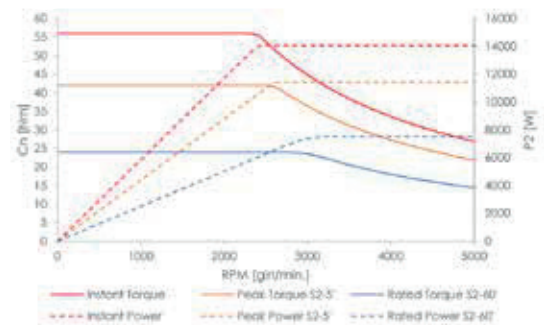
Speed- Torque & Speed Power Motor Curves (*)



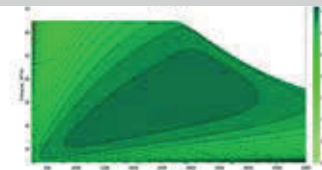
Efficiency Map % (*)



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



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KNEGT TYRES

The knegt electric compact tractors are equipped with two electric motors. All Knegt tractors are equipped with tractor tyres as standard. However, you can choose from four different tyres.

Radial Agric	Wide tractor tyre
Armour Turf	Standard turf tyre
Titan Luxury Turf	Wide turf tyre
Galaxy Hybrid Turf/Agric	Coarse turf tyre



Armour



Radial



Titan



Galaxy

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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 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 with the Stoll front loader and the Knekt 404G2E can load 600KG without contra weight. Combined weight of the front leader application is approx 350 KG





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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.





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.



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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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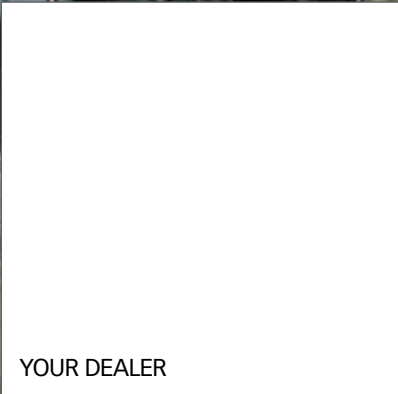
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YOUR DEALER

