

RIGI TRAC

Rigitrac SKE 40 ELECTRIC



**100% ELECTRIC
for a
SUSTAINABLE
FUTURE**

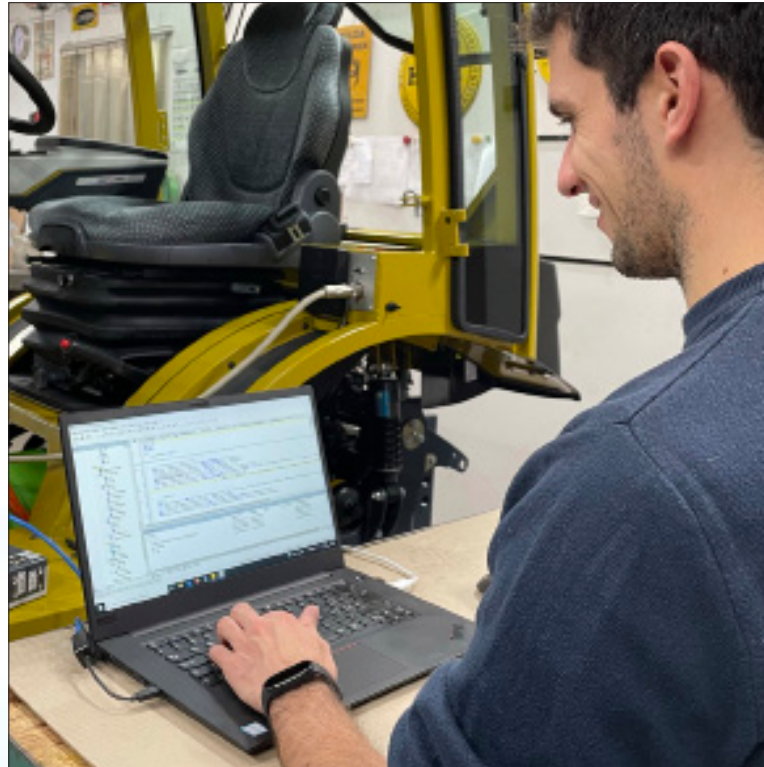


• Innovative • Familiar • Sustainable



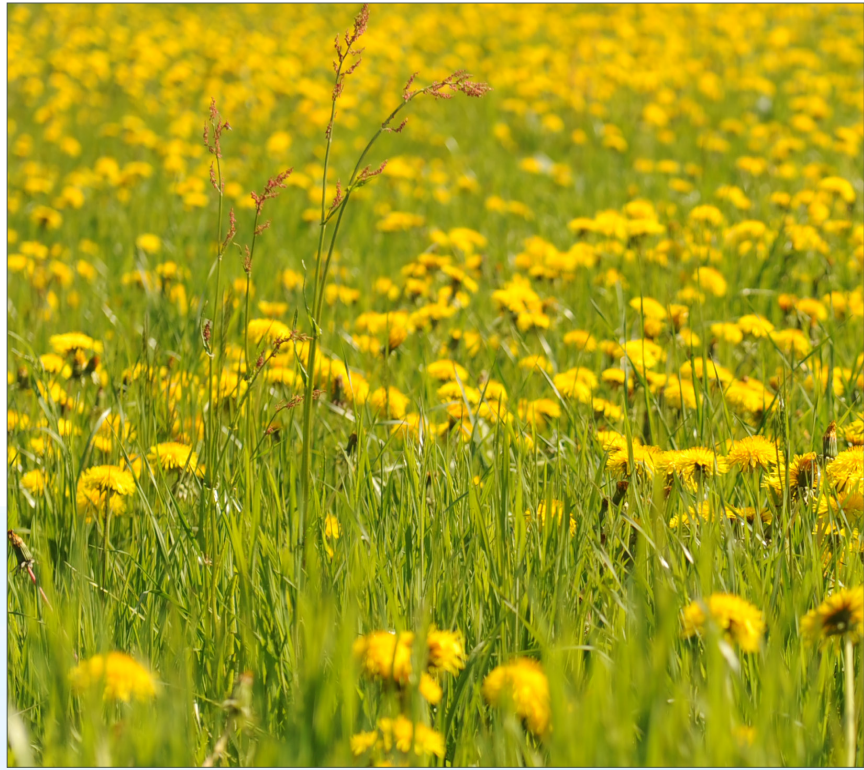
DEVELOPMENT - PRODUCTION - FAMILY

- Development in Küssnacht am Rigi, Switzerland
- Family business with trained specialist staff
- We know our customers' needs and implement them
- Quality and clean workmanship characterize the Rigitrac
- We can respond to individual customer requests

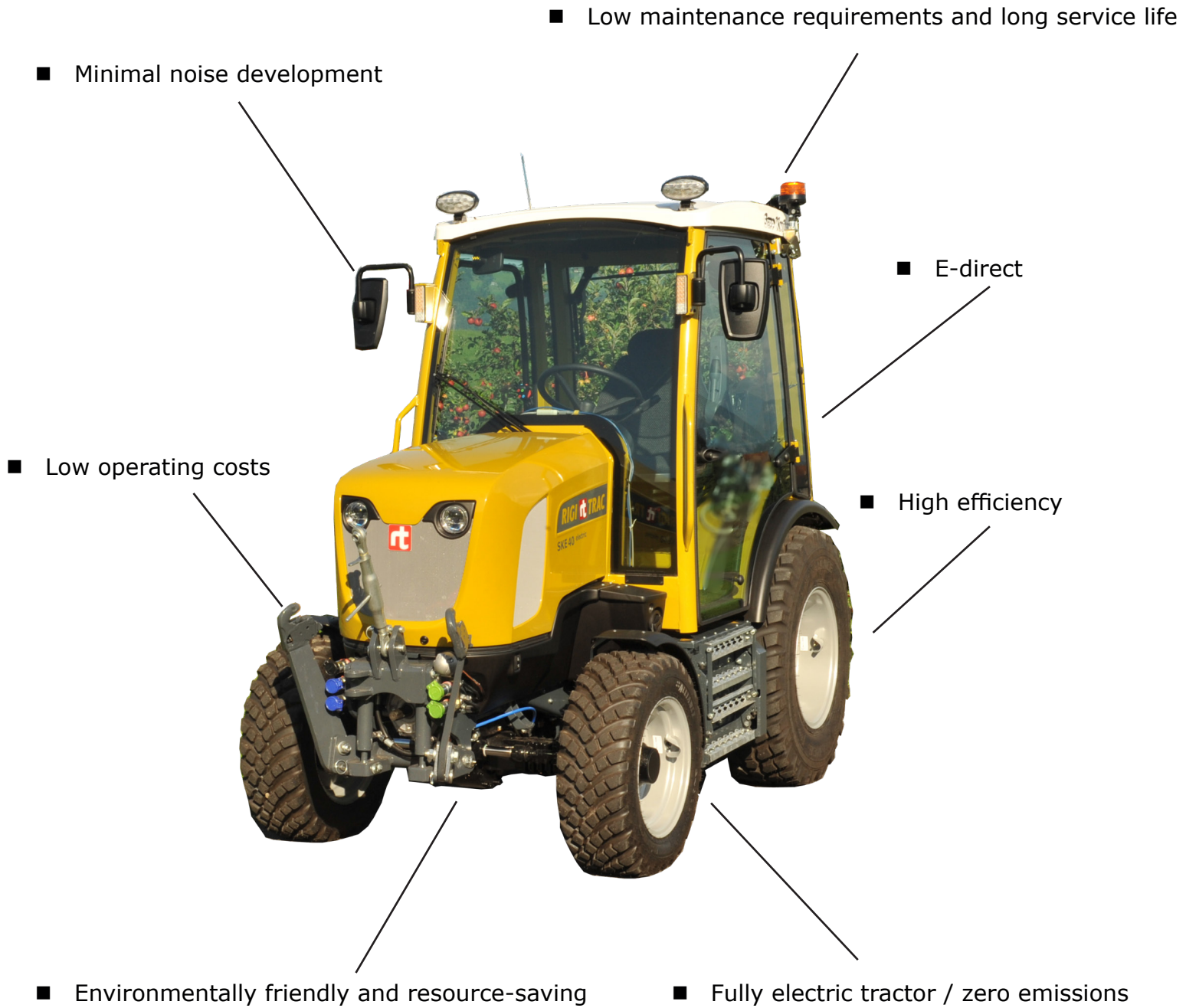


ENVIRONMENTALLY FRIENDLY

These Rigitrac tractors are environmentally friendly and resource-saving. The Rigitrac company focuses on environmental friendliness and sustainability by means of power supply from its own solar roofs.



YOUR BENEFITS - FOCUS ON ELECTRO



Battery
Lithium-ion
Voltage 400 V



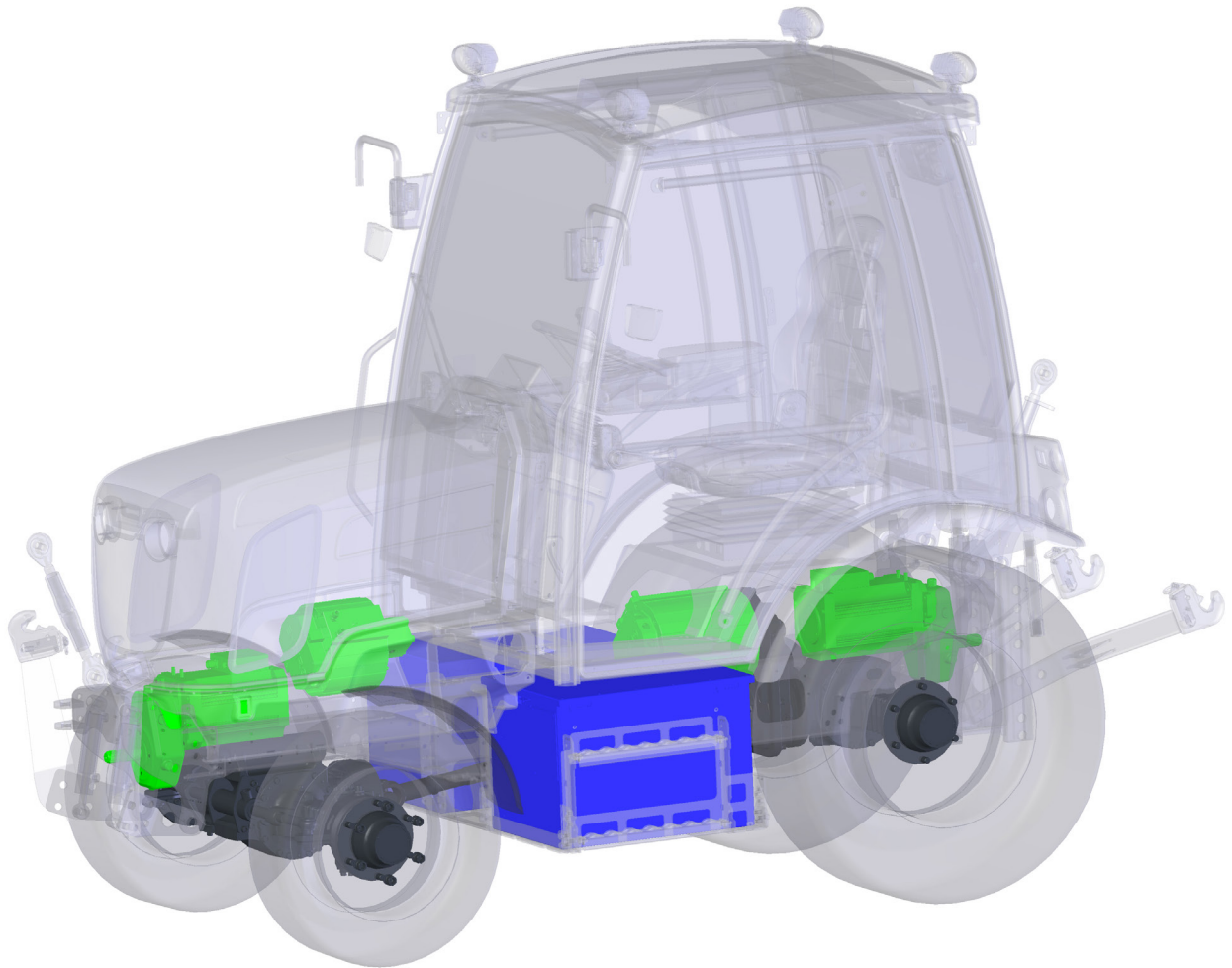
Reach
Capacity 58 kWh
Range 4-8 h



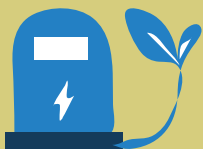
Charging power
Charger with max. 22 kW
Charging time 80% in 2 hours



- Independent drive with recuperation
- Maximum efficiency thanks to independent speed control of all drives
- Perfect weight distribution with a low center of gravity, the battery is located between the axles
- Powerful 400 V lithium-ion battery
- Integrated charger for maximum independence
- Easily accessible charging plug with status LED
- The type 2 charging plug can be used to charge at all charging stations (private or public)
- Thermal management for optimum working conditions for driver and vehicle
- Heating and cooling the cabin with a heat pump
- Heat recovery for efficient operation at low outside temperatures
- E-direct: Through clever drive technology, the battery achieves maximum range.



Charging plug
Type 2



Maximum speed
30 km/h / 40 km/h



DRIVING FUN...

- The electric drive ensures a dynamic driving experience
- Thanks to the wide speed range of the electric motor, all speeds can be covered without shifting gears
- Fast acceleration thanks to maximum torque from standstill
- Hill start assist for safe stopping and starting on slopes
- Efficient operation thanks to regenerative braking
- Minimal noise emissions thanks to electric drive and optimized components





CABIN AND COMFORT

- ROPS and FOPS tested and clearly laid out comfort cabin
- Standard cab suspension
- Clear all-round view of the implements thanks to the raised panoramic windshield
- Convenient wide access (thanks to the wide-opening doors)
- Air conditioning with automatic climate control as standard
- Efficient heating with heated windows, heated seats and electric auxiliary heating
- Simple and practical operation of joystick and display
- Ergonomic armrest with joystick and rotary wheel controller
- Sufficient storage space (clothes hanger, storage compartment and bottle holder)
- LED headlights for perfect illumination





DRIVING COMFORT



- Modern color display
- Touchscreen
- Ideal menu navigation and presentation on the display enables simple operation
- Hydraulic and additional functions can be assigned to the joystick via display



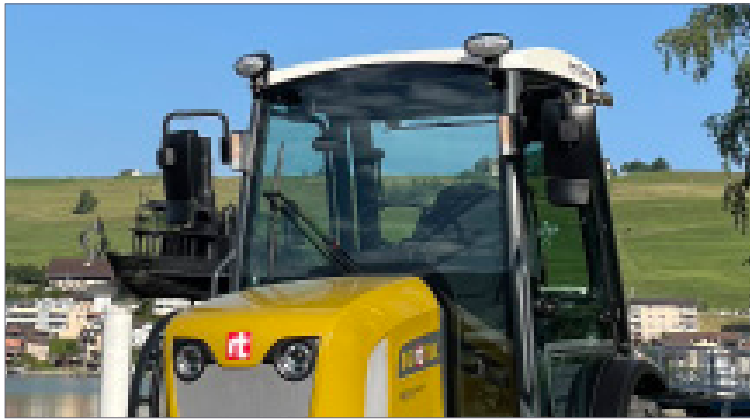
- Clearly arranged control console on the right armrest
- Operation of display functions with rotary wheel controller
- Drive lever for direction of travel
- Hydraulic functions are operated via the joystick (front and rear linkage and control valves)
- Reverse switch on joystick for forward and reverse travel
- All hydraulic valves are proportional, electrically controlled and volume-adjustable
- Special functions can be assigned to the joystick (cruise control)
- Ergonomic armrest
- Armrest with storage compartment and USB port



- Steering wheel can be adjusted in height and inclination
- Automatic turn signal reset
- Air-sprung comfort driver's seat with seat heating
- Document compartment in the seat backrest



- Radio with hands-free facility, USB and DAB+ as standard
- LED interior lighting with door contact switch
- Additional rear-view mirror in the cab



- LED headlights
- Heated windshield
- Parallel windshield wiper with intermittent control
- Sun visor
- Exterior rear-view mirror with wide angle



- Adjustable LED worklights are arranged on the roof for optimum illumination
- Folding rotating beacon



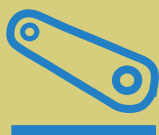
- Rear window can be opened wide
- Rear window wiper
- Low windshield allows good view of the lower link and trailer coupling

FRONT LINKAGE

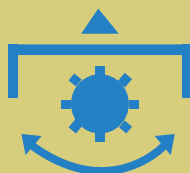


- PTO 0 to 1000 rpm left or right turning
- Front linkage width cat. 1
- Quick-release hook
- Three-point linkage 850 kg lifting capacity
- External control for front linkage
- Lift height limiter (optional)
- Front axle load 1800 kg (load capacity depending on tires)
- Max. 2 double-acting control valves at the front and unpressurized return flow
- Front socket (optional)

Front linkage cat. 1
850 kg



Front PTO shaft
0-1000 rpm



Various hitches
Height adjustable

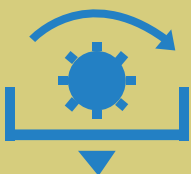


REAR LINKAGE

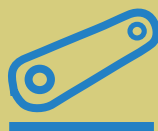


- PTO 0 to 750 rpm clockwise rotating
- Height-adjustable towbar with locking rails
- Various trailer couplings available on customer request
- Rear linkage width cat. 1 adjustable
- Quick-release hook
- Three-point linkage 1550 kg lifting capacity
- External controls for hydraulic connections and the rear linkage
- Lift height limiter (optional)
- Rear axle load 2700 kg (load capacity depending on tires)
- Max. 3 double-acting control valves at the rear and unpressurized return flow
- Trailer socket and 3-pole socket

Rear PTO shaft
0-750 rpm



Rear linkage cat. 1
1550 kg



MAINTENANCE - ADDITIONAL EQUIPMENT

- One-piece hood for easy access to components
- Control points easily accessible
- Reversible fan for cleaning the radiator without interrupting the journey



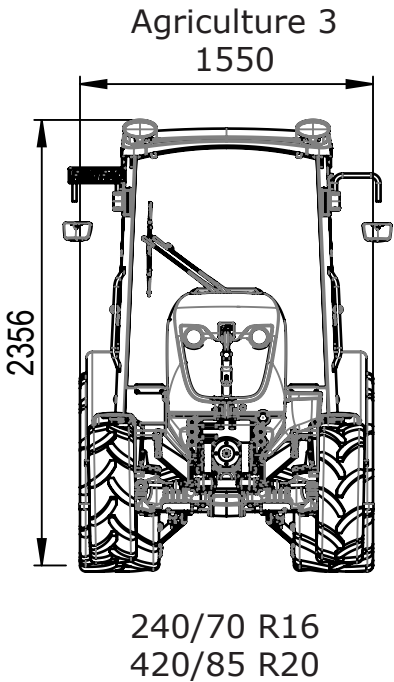
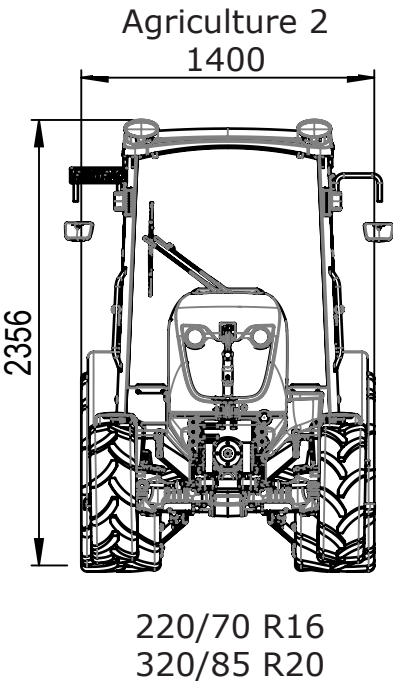
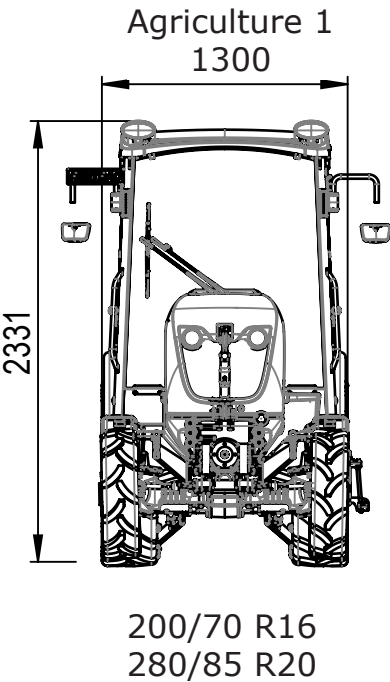
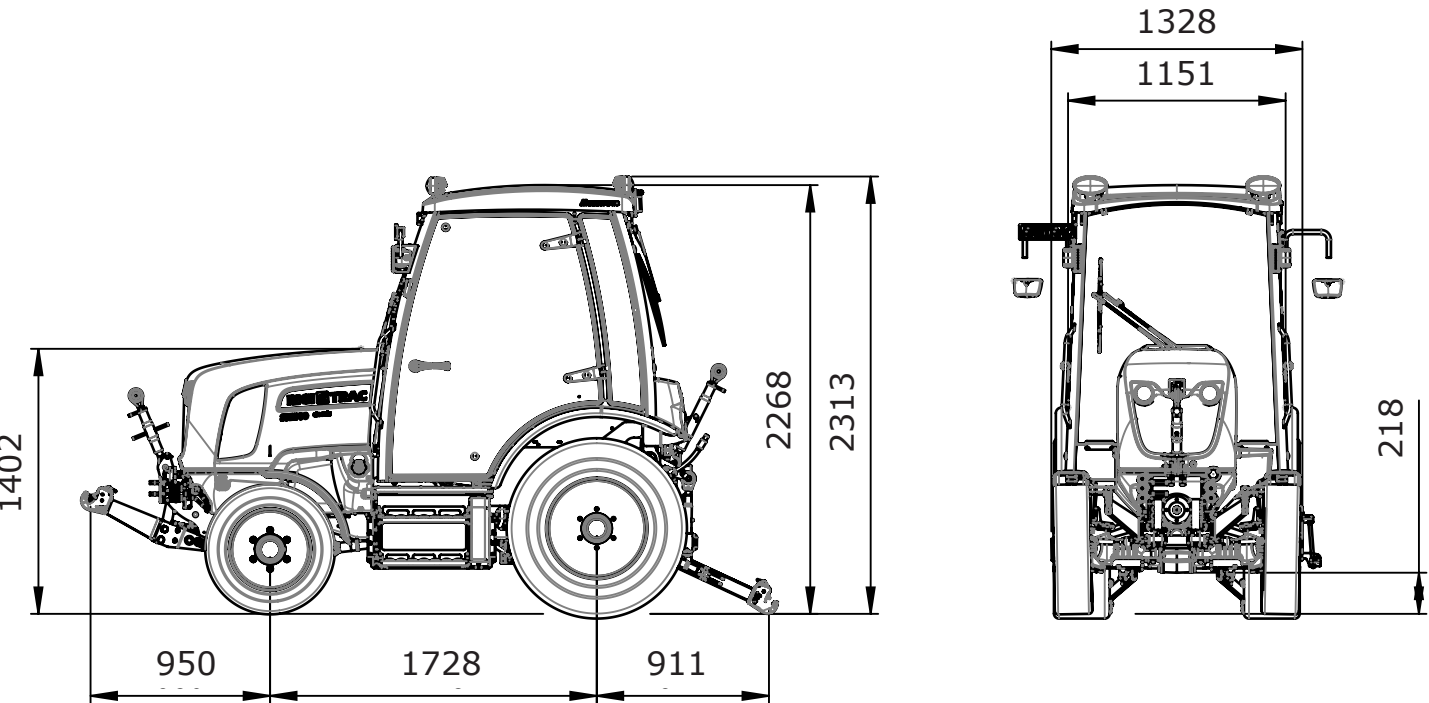
- Electrically folding running board for compact vehicle width (optional)





RIGITRAC SKE 40

Dimensions



Tire variants



AS Reifen



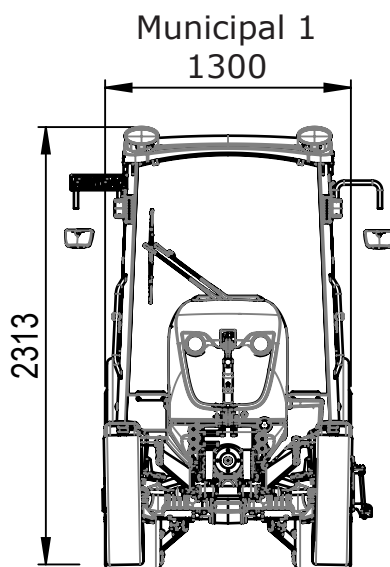
Kommunal Reifen



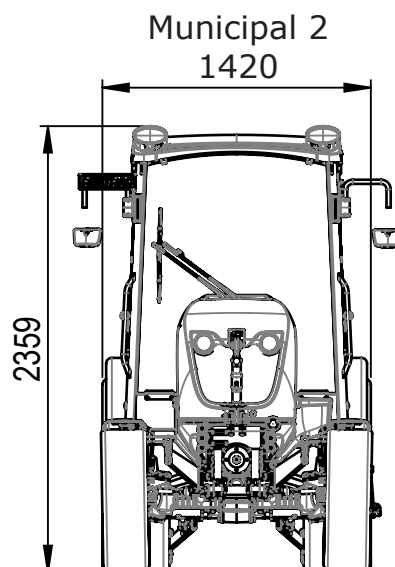
Rasen Reifen

AS Tires (Agrar 1,2,3)		Breite	Ø	Hd	Abr. Umf	Aussenbreite
200/70 R16	vorne	197	686	313	2058	1300
280/85 R20	hinten	292	984	441	2935	1300
220/70 R16	vorne	221	715	324	2145	1375
320/85 R20	hinten	333	1055	480	3108	1400
240/70 R16	vorne	245	740	337	2196	1500
420/65 R20	hinten	418	1054	513	3110	1550
Municipal tires Klötzli		Breite	Ø	Hd	Abr. Umf	Aussenbreite
200/70 R16	vorne	198	690	320	1997	1300
300/70 R20	hinten	295	950	450	2843	1300
240/70 R16	vorne	245	740	345	2190	1420
360/70 R20	hinten	355	1051	473	3121	1420
Lawn tires		Breite	Ø	Hd	Abr. Umf	Aussenbreite
320/55-15 / 29x12.50-15	vorne	318	749	349	2291	1570
360/75 R20 / 41x14.00-20	hinten	375	1067	487	3226	1570

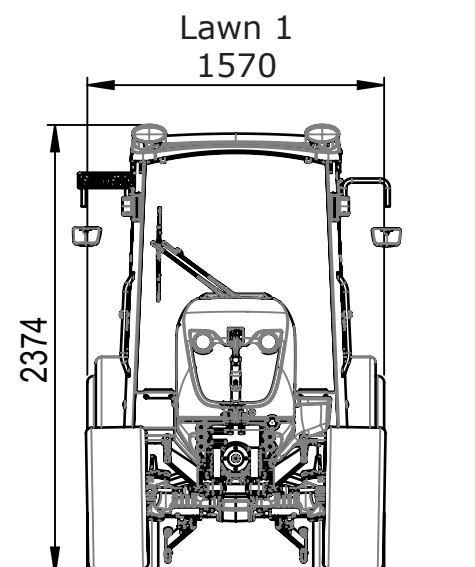
Other tire variants on request.



200/70 R16
300/70 R20



240/70 R16
360/70 R20



320/55 15 / 29x12.50-15
360/75 R20 / 41x14.00-20

RIGITRAC SKE 40

- Development in Switzerland
- High efficiency due to electric drive
- Battery 400 V
- Direction of rotation and speed of the PTO shafts can be controlled independently
- Simple operation via the joystick, ergonomic arrangement
- Low center of gravity due to optimal weight distribution
- All hydraulic valves are proportional, electrically controlled and volume-adjustable

What a diesel tractor can do - I can do too, but QUIETLY and CLEANLY!





DRIVE

Concept	independent drive motor
Rated power	40 kW / 54 hp
Peak performance	64 kW / 87 hp
Climbing ability with total weight (permanent / short-term)	23% / 31%
Variable driving speed	0-40 km/h



PTO

Concept	1 electric motor per PTO shaft
Rated power	14 kW / 19 hp
Peak performance	24 kW / 33 hp
Variable speed in both directions of rotation and gentle soft start	
Front speed range	0-1000 rpm
Rear speed range	0-750 rpm



HYDRAULIC SYSTEM

Pump	Variable speed gear pump
Volume flow	0-40 l/min (eLoad sensing)
Hoists	Quick-release hook Cat I
Rear lifting force	1550 kg
Front lifting force	850 kg
Connections	Front 2 DW (1x floating position) Rear 3 DW (1x floating position)
Free return	Front and rear
Removable oil quantity	9 liters



AXLES / TIRES

Front axle	Swing axle with 11° swing angle
Rear axle	rigid
Front axle load	1800 kg
Rear axle load	2700 kg
Differential lock	Rear 100% electrically switchable
All-wheel drive deactivation	Claw coupling



BRAKES

Service brake	Fully hydraulic dual-circuit braking system
Parking brake	Mechanical drum brake



STEERING

Steering	Front-wheel power steering
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DIMENSIONS

For municipal tires	front 200/70 R16 and rear 300/70 R20
Empty weight	2200 kg*
Total weight depending on tire load capacity	4200 kg*
Overall length (lifting gear folded in)	3400 mm*
Total height	2268 mm*
Total width	1300 mm*
Ground clearance	min. 218 mm*
Wheelbase	1728 mm
Rear track width	1008 mm*
Smallest turning circle inside	4600 mm*
Trailer load with overrun brake	3500 kg



CABIN

Type	1 person, suspended comfort cabin, ROPS and FOPS tested
Heating	Heat pump with heat recovery
Air conditioning	Automatic climate control



BATTERY

Battery	Lithium-ion
Battery capacity	58 kWh (400 V)
Charger	Internal 22 kW (80% approx. 2 h charging time)
Temperature management	Water cooling system
Working hours	approx. 4-6 h
Charging cycles	min. 3000

*depending on version

RIGI TRAC



Rigitrac, the innovative Swiss tractor

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