

# TUCHEL

## MASCHINENBAU GmbH

Road sweepers | Snow blades | Vehicles



1991

Formation

65

Employees

4,043

Partner



#### INNOVATIVE SOLUTIONS

we find in practice on site.



#### LONG-LIFE PRODUCTS

are the best advertising for the Tuchel brand.



#### CUSTOMER SERVICE

is not just a department, but Tuchel.

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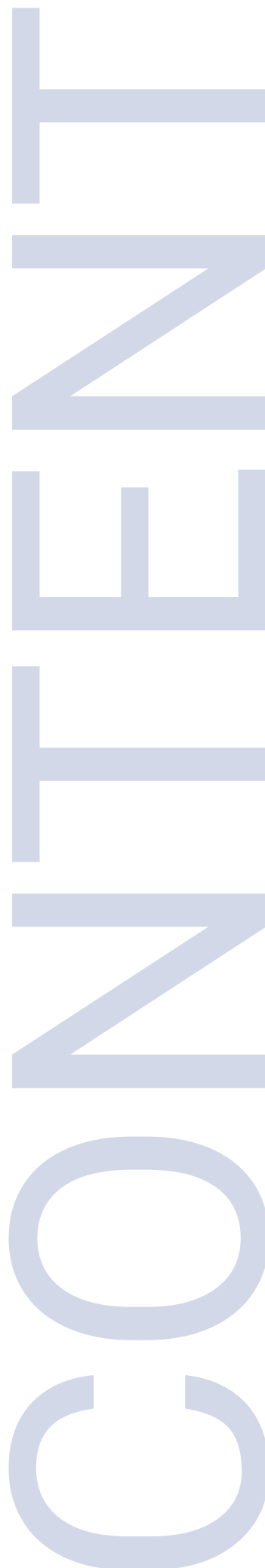
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# PRODUCT FINDER

## WHEEL- / TELESCOPIC LOADER

up to 4 t class

ECO Pro | PLUS | BIG | Ideal | SOLO | WB | L-SK | SK-F/K | L-SF | Vario | TS

up to 7 t class

PLUS | PROFI | BIG | Ideal | SOLO | WB | SK-F/K | L-SF | Vario | TS

7 - 12 t class

PROFI | PROFI CHAMP | BIG | SOLO | L-SF | SF | Vario

from 12 t class

PROFI Gigant | SF | Vario

## TRACTORS

Municipal tractors

Simplex bis 30 PS | Kompakt ab 30 PS | WB | L-SK | SK-F/K | Vario | TS

Medium class (front/rear)

ECO Pro | PLUS | SOLO | WB | SK-F/K | L-SF | Vario | TS

Medium class from 100 hp (front)

PLUS | PROFI | PROFI CHAMP | Gigant | SOLO | WB | L-SF | SF | Vario | TS

## MUNICIPAL VEHICLES

Front mowers

Simplex | Kompakt | WB | L-SK | SK-F/K | Vario

Municipal vehicles / Multicar

Kompakt | PLUS | WB | SK-F/K | L-SF | Vario | TS

Trucks / Unimog vehicles

PROFI | PROFI CHAMP | L-SF | SF | Vario

# TUC

## FORKLIFT

1.5 t class

ECO Pro | PLUS | PROFI | IDEAL | SOLO | WB | L-SK | SK-F/K | Vario

3.5 t class

ECO Pro | PLUS | PROFI | IDEAL | SOLO | WB | SK-F/K | L-SF | Vario

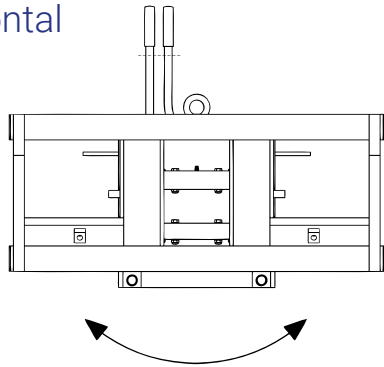
from 3.5 t class

PLUS | PROFI | IDEAL | SOLO | WB | L-SF | Vario

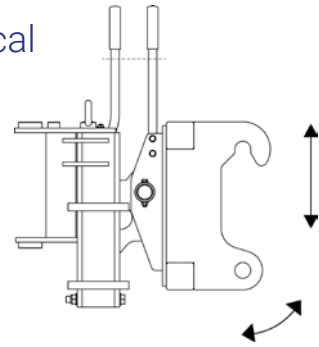
# PROD

## 3-D LEVELLING

horizontal

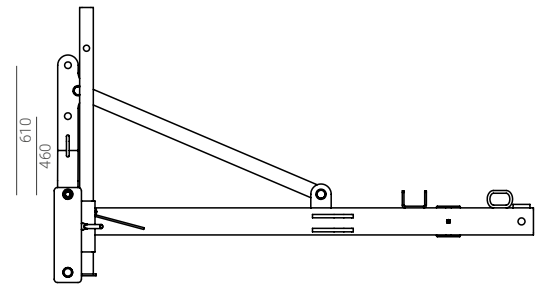
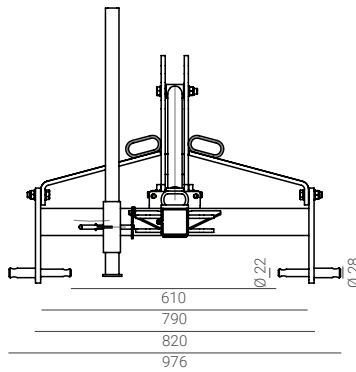
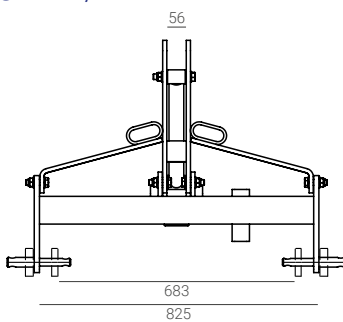


vertical

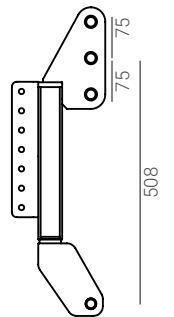
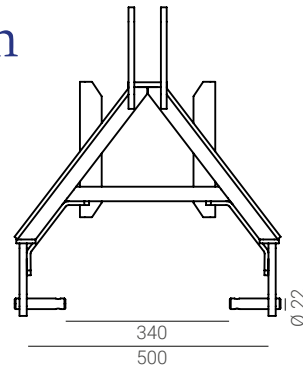


## THREE-POINT LINKAGE

CAT I / II

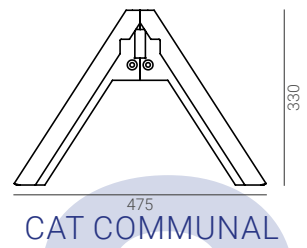
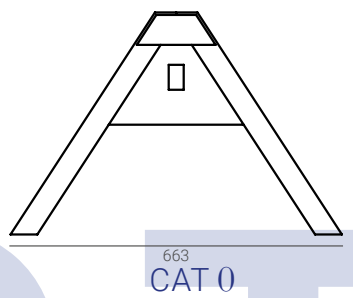
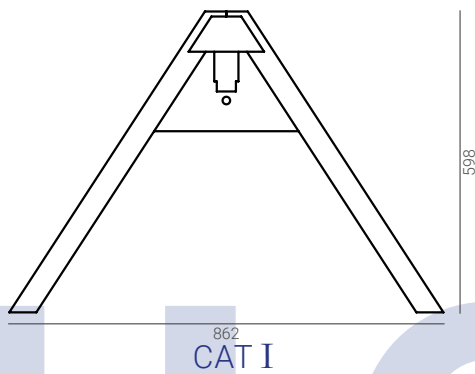


CAT In

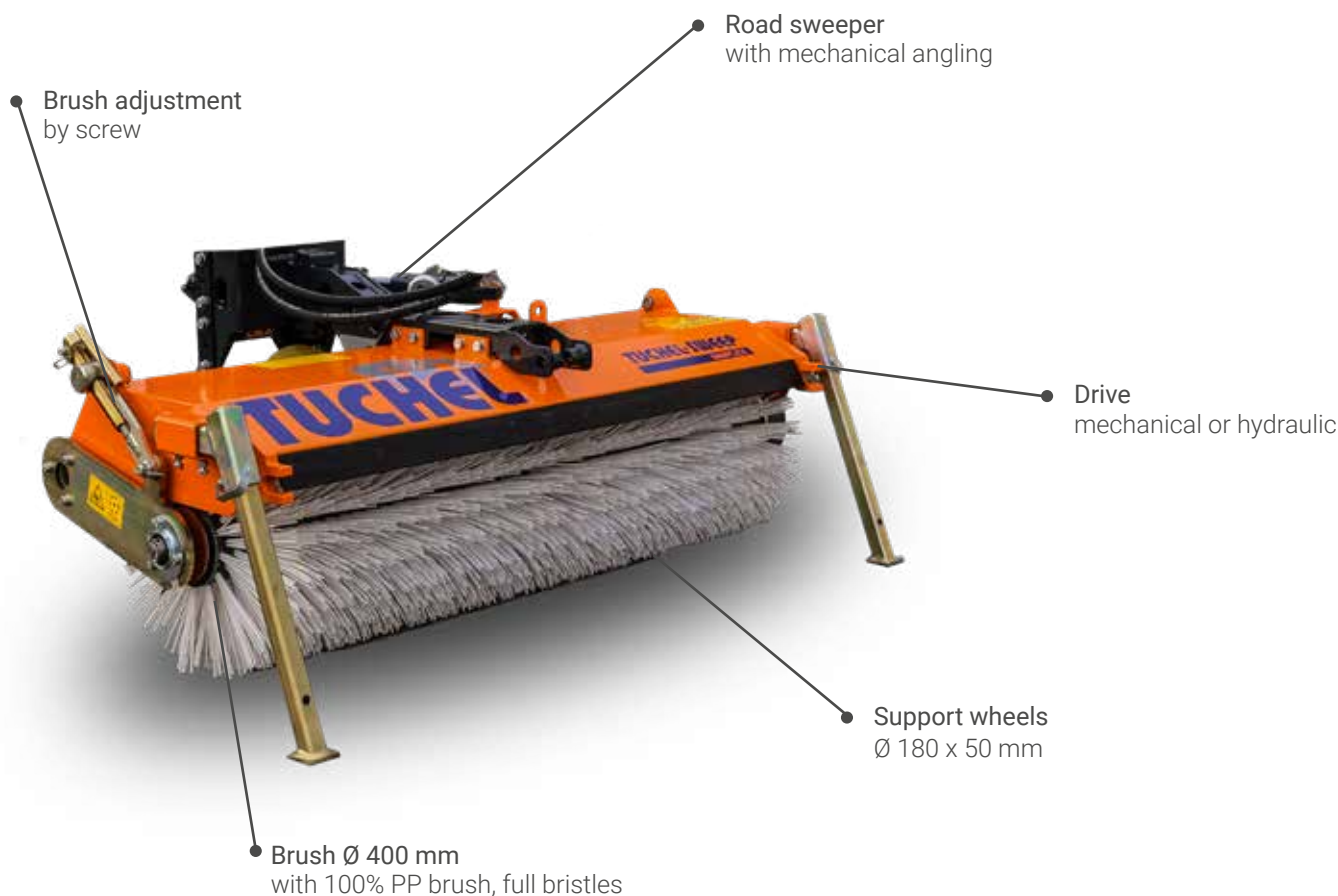


# HEL

## A-FRAME



# UCTS



Due to its low dead weight, the SIMPLEX road sweeper is particularly suitable for front-lift systems with low lifting force such as municipal tractors, front mowers, yard loaders or municipal vehicles up to 30 hp.

The angling is mechanically adjusted as standard. This function is either hydraulically driven by a powerful gerotor motor or mechanically through an PTO shaft. (Gearbox angle adjustable, PTO shaft included in the scope of delivery.)

The brush made of 100 % PP full bristle with a brush diameter of 400 mm is height-adjusted through a screw and ensures a long service life with even wear. The Tichel Simplex is designed for year-round use, but also enjoys great popularity in winter service.

## INSTALLATION VARIANTS

- » A-frame
- » Three-point linkage
- » Attachment for Tichel-Trac Trio
- » Attachment for front mower
- » Attachment for yard loader or Municipal vehicles

# SIMPLEX



## optional EQUIPMENT VERSIONS

- » **Dirt collecting container** with integrated 3rd support wheel, Ø 180 x 50 mm, with hydraulic emptying and PU-lip. The free-sweeping mode enables flexible selection between sweeping with or without dirt collecting container. The dirt collecting container does not need to be dismantled. The PU-lip prevents light debris under the dirt collecting container from being swept in front of the vehicle.
- » **hydraulic angling**
- » **Mixed bristle trim brush** with 50% PP / 50% wire
- » **100 % PP snow brush** (winter service)
- » **hydraulically driven side brush** Ø 500 mm for sweeping close to the edge (with water spray unit, if required)
- » **Water-spray unit** for dust binding including water pump with or without 100 l water tank
- » **Limiting lights (LED)** acc. to StVZO (road traffic licensing authority) when driving in road traffic
- » **Signal flag holder und signal flags**
- » **Special paint** according to RAL (standard RAL 2004)



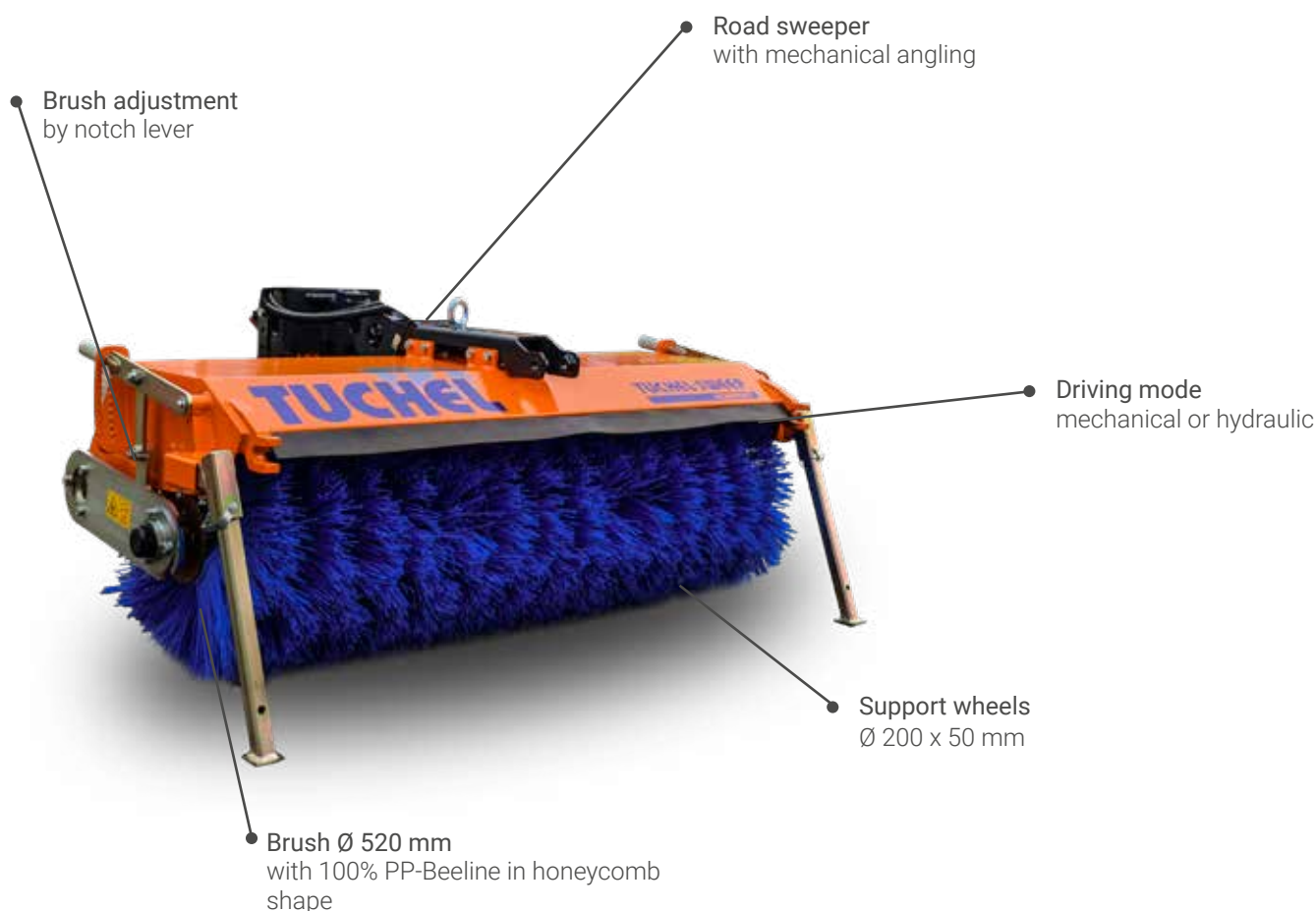
## TECHNICAL DATA

	120 cm	135 cm	150 cm
Working width (straight/angled) [cm]	120/113	135/127	150/141
Total width [cm]	138	153	168
Weight free-sweeping [kg]	118	123	129
Weight including collecting container [kg]	152	160	168
Volume collecting container [l]	75	85	95
required oil flow rate (at 140 bar) [l]	20	20	20
Gearbox	+/- 12°	+/- 12°	+/- 12°



# TUCHEL-SWEEP

## KOMPAKT



The KOMPAKT road sweeper was specially developed for small tractors, municipal vehicles and yard loaders from 30 hp.

The angling is mechanically adjusted as standard. This function is either hydraulically driven by a powerful gerotor motor or mechanically through an PTO shaft. (Gearbox angle adjustable, PTO shaft included in the scope of delivery.)

The 100% PP-Beeline honeycomb-shape brush bristles with a brush diameter of 520 mm are adjusted through the proven TUCHEL notch lever system and guarantees a long service life with even wear. The Tuchel Kompakt is designed for year-round use, but also enjoys great popularity in winter service.

## INSTALLATION VARIANTS

- » A-frame
- » Three-point linkage
- » Attachment for Tuchel-Trac Trio
- » Attachment for front mower
- » Attachment for yard loader or Municipal vehicles

# KOMP



## optional EQUIPMENT VERSIONS

- » **Collecting container** with integrated 3rd support wheel, Ø 200 x 50 mm, with hydraulic emptying and PU-lip. The free-sweeping mode enables flexible selection between dirt picking up and free-sweeping application. The dirt collecting container does not need to be dismounted. The PU-lip prevents light debris under the collecting container from being swept in front of the vehicle.
- » **High-fill flap** in the collecting container, providing for approx. 30 % more filling volume
- » **Mixed bristle trim** with 50% PP / 50% wire
- » **100 % PP snow brush** (winter service)
- » **height-adjustable 3rd support wheel** for free-sweeping vehicles
- » **hydraulic angling**
- » **hydraulically driven side brush** Ø 600 mm for edge sweeping (with water spray unit, if required)
- » **Water-spray unit** for dust binding including water pump with or without 100 l water tank in the rear and on the machine.
- » **Extra sturdy wheels** Ø 200 x 50 mm, steel welded, for heavy duty
- » **Limiting lights (LED)** acc. to StVZO (road traffic licensing authority) when driving in road traffic
- » **Signal flag holder und signal flags**
- » **Special paint** according to RAL (standard RAL 2004)



## TECHNICAL DATA

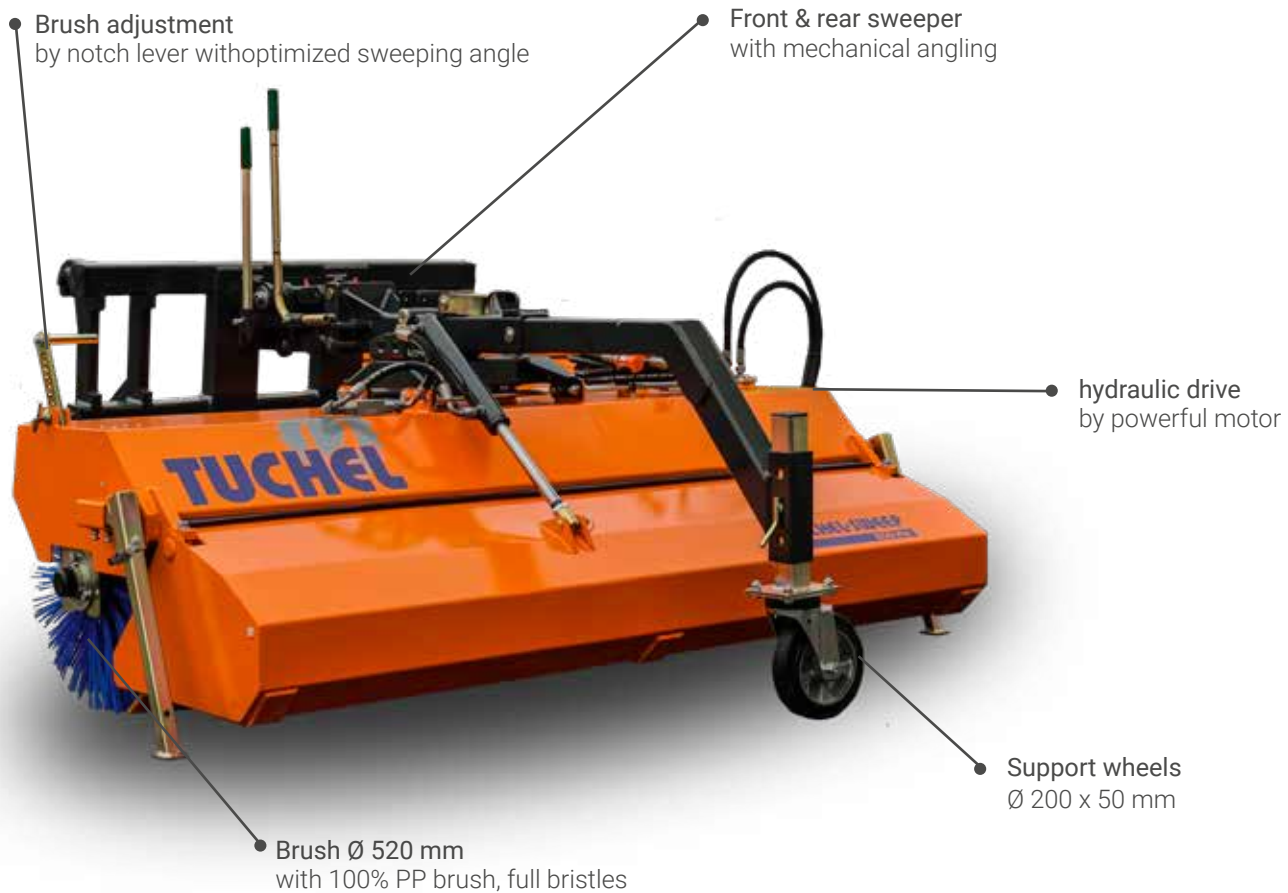
	135 cm	150 cm	175 cm	200 cm
Working width (straight/angled) [cm]	135/127	150/141	175/165	200/188
Total width [cm]	157	172	197	222
Weight free-sweeping [kg]	185	193	205	218
Weight including collecting container [kg]	240	251	269	287
Volume collecting container [l]	145	161	187	213
required oil flow rate (at 160 bar) [l]	25	25	30	30



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The front and rear sweeping vehicle ECO Pro can be mounted on tractors, yard loaders and small forklifts due to its various working widths,

The angling is mechanically adjusted as standard. The hydraulic drive is provided by a powerful gerotor motor.

The brush made of 100 % PP full-body bristles and sweeping wedge optimisation, equipped with a brush of diameter 520 mm, is height-adjusted through a vertical notch system and ensures a long service life with even wear.

## INSTALLATION VARIANTS

- » A-frame
- » Three-point linkage
- » Fork-tines attachment
- » Yard loader attachment
- » Municipal vehicle-type attachment

# ECO

## optional EQUIPMENT VERSIONS

- » **Collecting container**, with hydraulic emptying and PU-lip.  
The free-sweeping mode enables flexible selection between sweeping with or without dirt collecting container. The collecting container does not need to be dismounted.  
The PU-lip prevents light debris under the collecting container from being swept in front of the vehicle.
- » **3. Support wheel** Ø 200 X 50 mm with front attachment only
- » **Brush** with 50% flat steel wire / 50% PP
- » **100 % PP snow brush** (winter service)
- » **100 % PP brush rings in honeycomb shape**, especially dense full-body brush, long service life, particularly suitable for coarse dirt
- » **Side levelling** for lateral compensation
- » **hydraulic angling**
- » **hydraulically driven side brush** Ø 600 mm for sweeping close to the edge (with water spray unit, if required)
- » **Water-spray system** for dust binding including water pump with or without water tank (100 l or 200 l)
- » **Extra sturdy wheels** Ø 200 x 50 mm, steel welded, for heavy duty
- » **Special paint** according to RAL (standard RAL 2004)



## TECHNICAL DATA

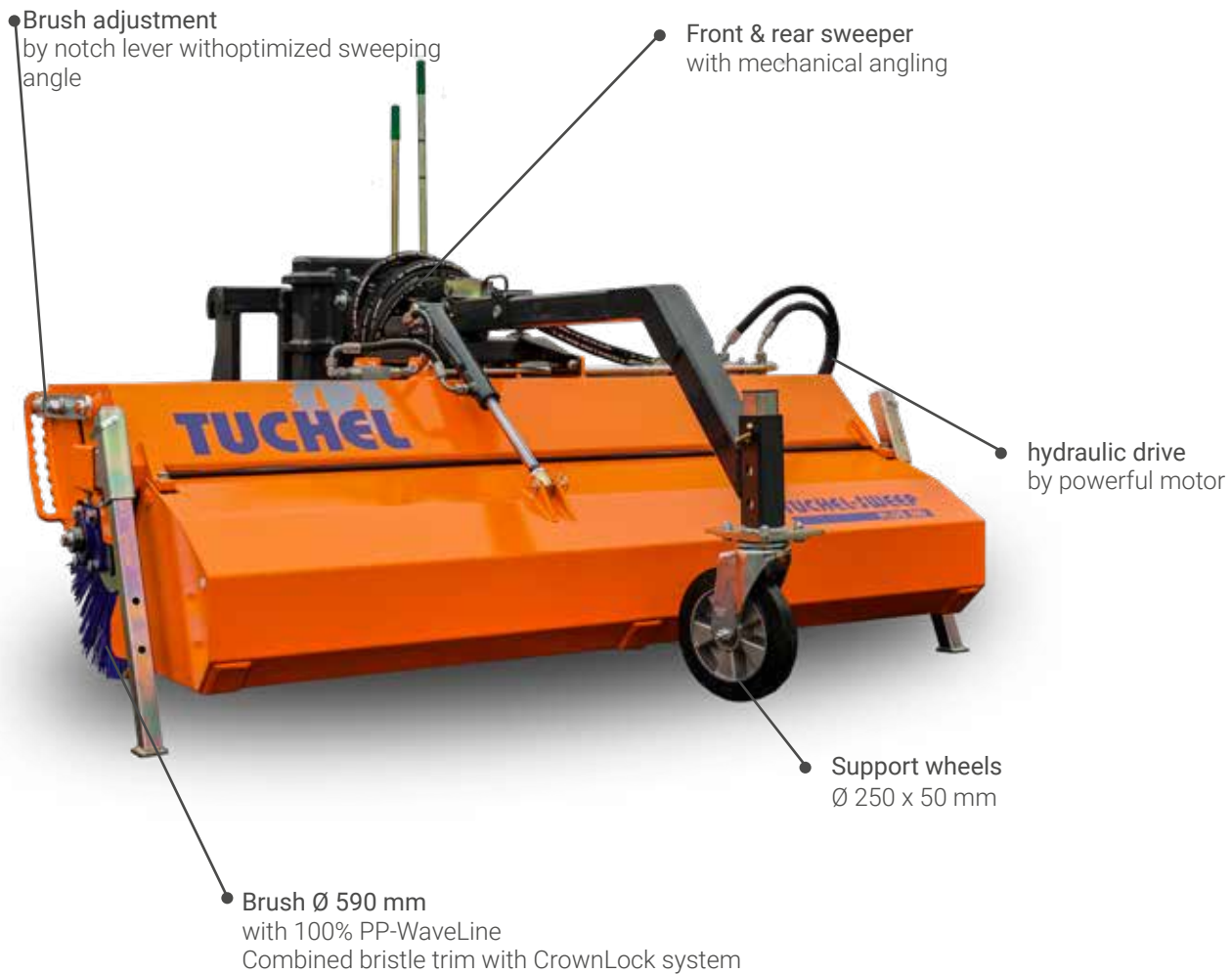
	135 cm	150 cm	180 cm	230 cm
Working width (straight/angled) [cm]	135/127	150/141	180/169	230/211
Total width [cm]	170	185	215	260
Weight free-sweeping [kg]	178	183	198	216
Weight including collecting container [kg]	232	241	261	288
Volume collecting container [l]	122	135	161	201
required oil flow rate (at 160 bar) [l]	25 - 30	25 - 30	25 - 30	30 - 40





# TUCHEL-SWEEP

## PLUS 590



The Plus 590 front and rear sweeper is a true all-rounder and suitable for almost any carrier vehicle.

The angling is mechanically adjusted as standard. The hydraulic drive is provided by a powerful gerotor motor. The integrated brush overrun monitoring protects the high-quality hydraulic components.

The brush rings have a diameter of 590 mm. The 100 % PP WaveLine combined bristle trim including CrownLock system with sweep wedge optimisation is height-adjusted through the proven TUCHEL notch lever system and guarantees a long service life with even wear.

## INSTALLATION VARIANTS

- » A-frame
- » Three-point linkage
- » Fork-tines attachment
- » Yard loader attachment
- » Wheel loader and telescopic loader attachment
- » Municipal vehicle-type attachment
- » Attachment plate fitting to Unimog vehicles DIN 76060

# PLUS

## optional EQUIPMENT VERSIONS

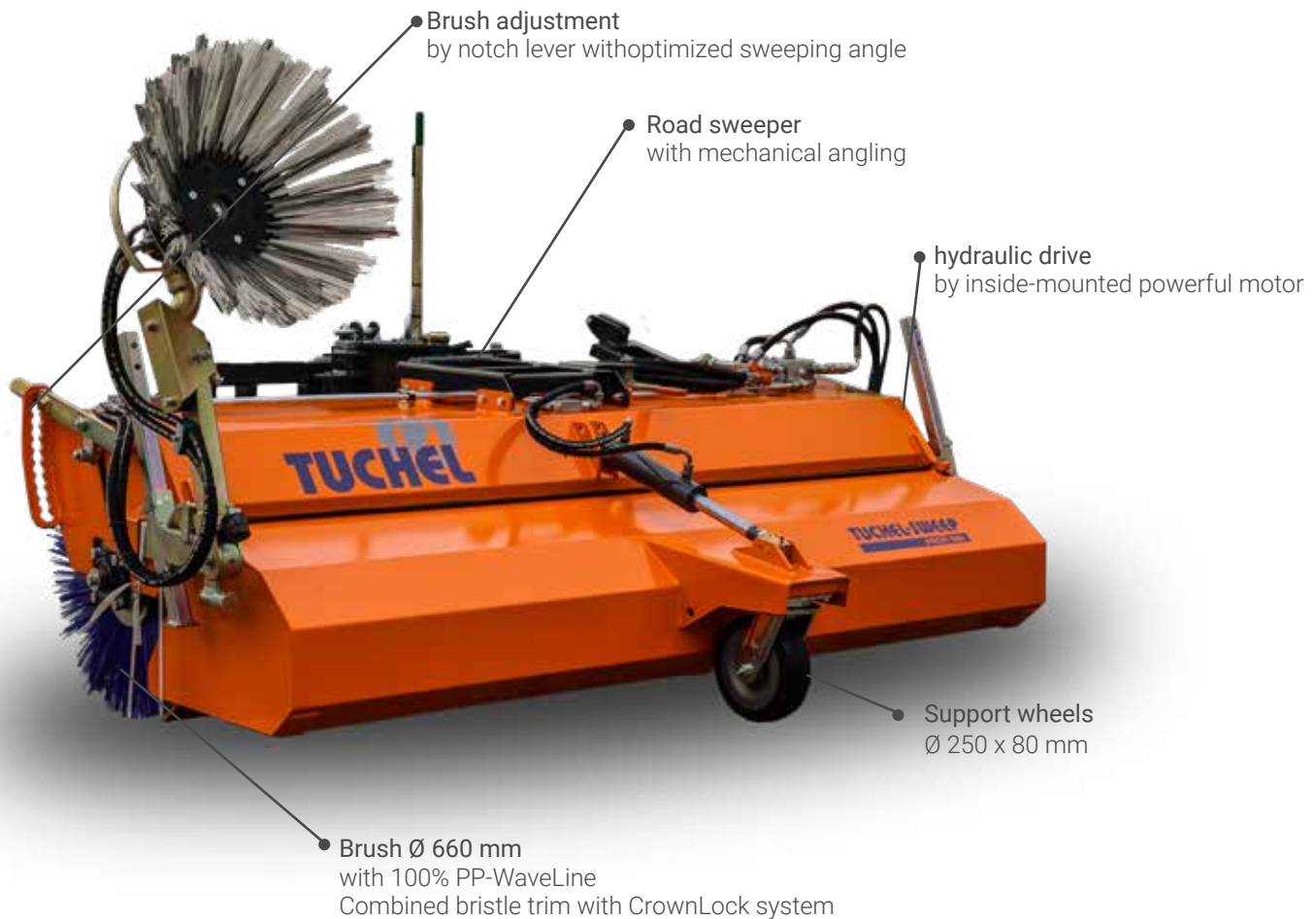
- » **Collecting container**, with hydraulic emptying and PU-lip. The free-sweeping mode enables flexible selection between sweeping with or without dirt collecting container. The dirt collecting container does not need to be dismantled. The PU-lip prevents light debris under the collecting container from being swept in front of the vehicle.
- » **High-filling flap** in the dirt collecting container, provides for approx. 30 % more Filling volume
- » **3. Support wheel** Ø 250 X 50 mm with front attachment only
- » Inside-mounted, protected **gerotor motor**
- » **100 % PP brush rings in honeycomb shape**, especially dense full-body brush, long service life, particularly suitable for coarse dirt
- » **Brush rings with 50% PP / 50% wire**
- » **100 % snowline brush rings in honeycomb shape** (winter service)
- » **hydraulic angling**
- » **Side levelling** for lateral compensation
- » **hydraulically driven side brush** Ø 600 mm for sweeping close to the edge (with water-spraying unit, if required)
- » **Water-spray system** for dust binding including water pump with or without water tank (100 l or 200 l)
- » **Flow control valve** for infinitely variable speed control with pressure relief valve (from 160 bar)
- » **Extra sturdy wheels** Ø 250 x 80 mm, steel welded, for heavy duty (recommended from 260 cm)
- » **Brush comb** to remove light debris from the brush (pin length 3.5 cm)



## TECHNICAL DATA

	135 cm	150 cm	180 cm	200 cm	230 cm	260 cm
<b>Working width</b> (straight/angled) [cm]	135/127	150/141	180/169	200/188	230/216	260/244
<b>Total width</b> (inside/outside mounted motor) [cm]	168/156	183/171	213/201	233/221	263/251	293/281
<b>Weight free-sweeping</b> [kg]	264	274	294	308	329	353
<b>Weight including collecting container</b> [kg]	329	344	373	398	429	462
<b>Volume collecting container</b> [l]	166	184	220	244	280	315
<b>required oil flow rate</b> (at 160 bar) [l]	30	30	40	40	40	50





The front road sweeper PROFI 660 is developed for wheel loaders, tractors, trucks, Unimog vehicles and forklifts from 3.5t. Due to its robust machine frame and high-quality hydraulic components, the Profi 660 is ideally suited for heavy-duty application,

The angling is mechanically adjusted as standard. The hydraulic drive is provided by a powerful internal gerotor motor. The integrated brush overrun monitoring protects the high-quality hydraulic components.

Ø660 mm brush rings. The 100 % PP WaveLine combined bristle trim including CrownLock system with sweep wedge optimisation is height-adjusted through the proven TUCHEL notch lever system and guarantees a long service life with even wear. Optimum ground guidance is ensured by the specially developed 3D levelling system.

## INSTALLATION VARIANTS

- » A-frame
- » Three-point linkage
- » Fork-tines attachment
- » Wheel loader and telescopic loader attachment
- » Attachment plate fitting to Unimog vehicles DIN 76060

# PROFI



## optional EQUIPMENT VERSIONS

- » **Collecting container** with integrated 3rd support wheel, with hydraulic emptying, PU-lip and high-filling flap. The free-sweeping mode enables flexible selection between sweeping with or without dirt collecting container. The dirt collecting container does not need to be dismounted. The PU-lip prevents light debris under the collecting container from being swept in front of the vehicle. The **high-filling flap** in the dirt collecting container provides for approx. 30 % more filling volume.
- » **100 % PP brush rings in honeycomb shape**, especially dense full-body brush, long service life, particularly suitable for coarse dirt
- » Brush rings with 50% PP / 50% wire
- » **100% snowline brush rings in honeycomb shape** (winter service)
- » **3rd support wheel** for free-sweeping carrier-vehicle
- » **hydraulic angling**
- » **hydraulically driven side brush** Ø 600 mm for sweeping close to the edge (with water spray unit, if required)
- » **Water-spray unit** for dust binding including water pump with or without 200 l water tank
- » **Flow control valve** for infinitely variable speed control with pressure relief valve (from 160 bar)
- » **CSE tyres** Ø 306 x 116 mm
- » **Brush comb** to remove light debris from the brush (pin length 3.5 cm)
- » **Straight scraper** with hydraulic operation
- » **Limiting lights (LED)** acc. to StVZO (road traffic licensing authority) when driving in road traffic
- » **Signal flag holder und signal flags**
- » **Special paint** according to RAL (standard RAL 2004)



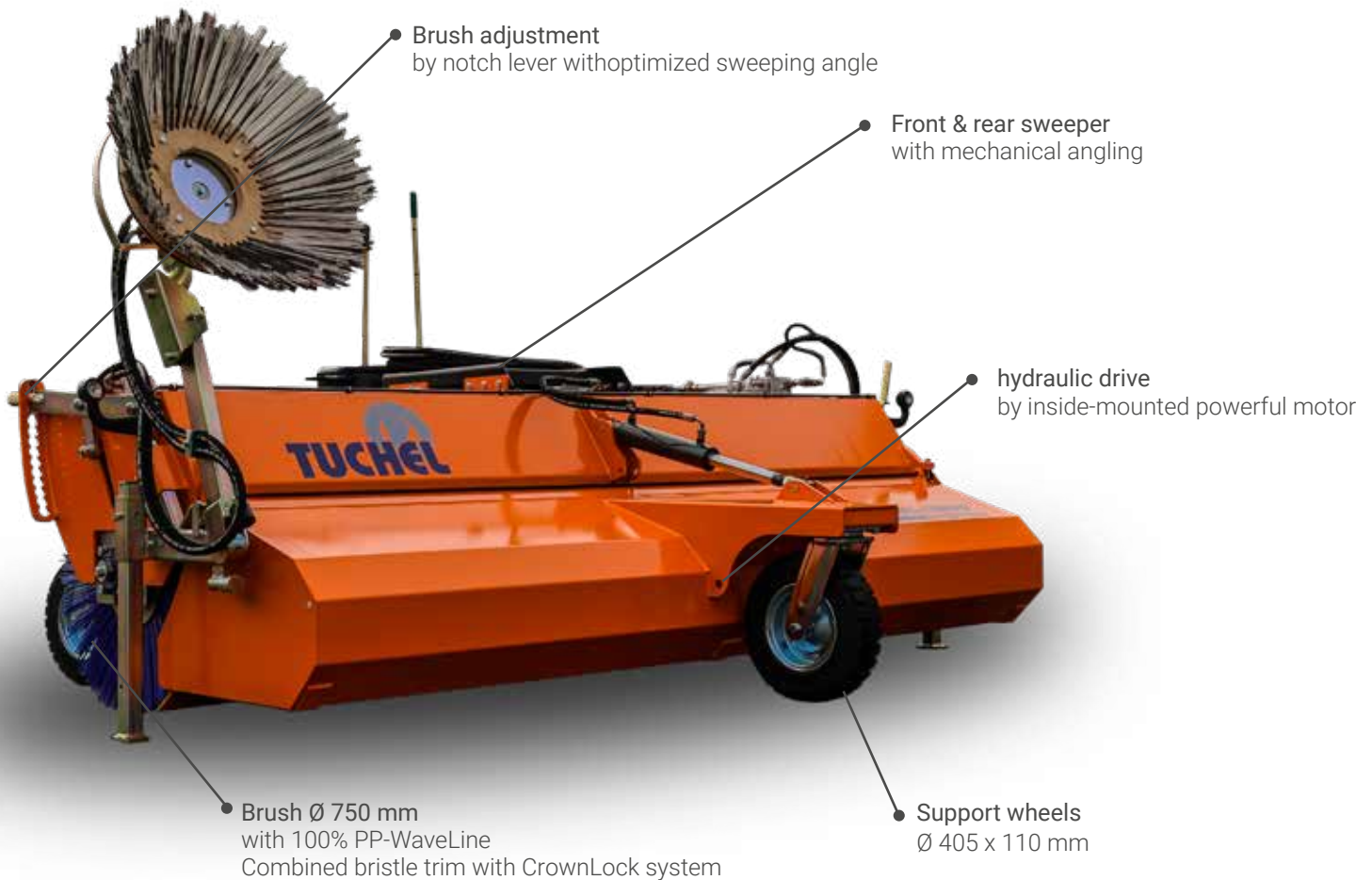
## TECHNICAL DATA

	200 cm	230 cm	260 cm	280 cm
Working width (straight/angled) [cm]	200/188	230/216	260/244	280/259
Total width [cm]	223	253	283	299
Weight free-sweeping [kg]	475	498	521	534
Weight including collecting container [kg]	609	643	677	695
Volume collecting container [l]	315	361	407	431
required oil flow rate (at 160 bar) [l]	40	40	50	50



# TUCHEL-SWEEP

## PROFI CHAMP



The front road sweeper PROFI CHAMP is designed for wheel loaders, tractors, trucks, Unimog vehicles and forklifts from 7 t. Due to its robust machine frame, high-quality hydraulic components and the especially large wheels, the sweeper is ideally suited for heavy-duty applications.

The mechanical angling is driven by an inside-mounted hydraulic motor. The 100 % PP WaveLine combined bristle trim brush rings including CrownLock system of brush diameter of 750 mm are height-adjusted through the proven TUCHEL notch lever system and guarantee a long service life with even wear.

In addition, the integrated brush overrun monitoring protects the high-quality hydraulic components, whilst the especially developed 3D-levelling provides for optimum ground guidance.

## INSTALLATION VARIANTS

- » A-frame
- » Three-point linkage
- » Fork-tines attachment
- » Wheel loader and telescopic loader attachment
- » Attachment plate fitting to Unimog vehicles DIN 76060

# CHA

## optional EQUIPMENT VERSIONS

- » special **brush bristle trim** with 50% PP / 50% wire
- » For **winter service** we recommend a 100% PP snow brush and optionally an extra long **splash guard**.
- » Hydraulically dischargeable **dirt collection container** (including 3rd support wheel & PU-lip) to prevent small parts from being ejected.
- » **hydraulic angling**
- » **Side brush** for sweeping close to the edge
- » **Side brush** hydraulic opening
- » Water-spraying unit with water pump
- » **Flow control valve** for infinitely variable speed control with pressure relief valve (from 160 bar)
- » **Extra sturdy wheels** Ø 410 x 145 mm, steel welded, for heavy duty
- » **Brush comb** to remove light debris from the brush (pin length 3.5 cm)
- » **Straight scraper** with hydraulic operation
- » **Limiting lights (LED)** acc. to StVZO (road traffic licensing authority) when driving in road traffic
- » **Signal flag holder und signal flags**
- » **Special paint** according to RAL (standard RAL 2004)



## TECHNICAL DATA

	210 cm	240 cm	280 cm
Working width (straight/angled) [cm]	210/197	240/226	280/256
Total width [cm]	236	266	299
Weight free-sweeping [kg]	398	504	544
Weight including collecting container [kg]	577	686	739
Volume collecting container [l]	305	350	400
required oil flow rate (at 160 bar) [l]	56	56	56



IVT

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# TUCHEL-SWEEP

## PROFI GIGANT 920



The PROFI GIGANT 920 front sweeper was designed for heavy-duty use on large areas to be mounted on the front of tractors or wheel loaders from 12 t. Due to its robust machine frame, high-quality hydraulic components and the especially large wheels, the sweeper is ideally suited for heavy-duty applications.

The mechanical angling is driven by two inside-mounted powerful hydraulic motors. The 100 % PP brush rings in honey comb shape of brush diameter of 920 mm are height-adjusted through the proven TUCHEL notch lever system to ensure even wear.

In addition, the integrated brush overrun monitoring protects the high-quality hydraulic components, whilst the especially developed 3D-levelling provides for optimum ground guidance.

## INSTALLATION VARIANTS

- » Three-point linkage
- » Wheel loader and telescopic loader attachment

# G I G A

## optional EQUIPMENT VERSIONS

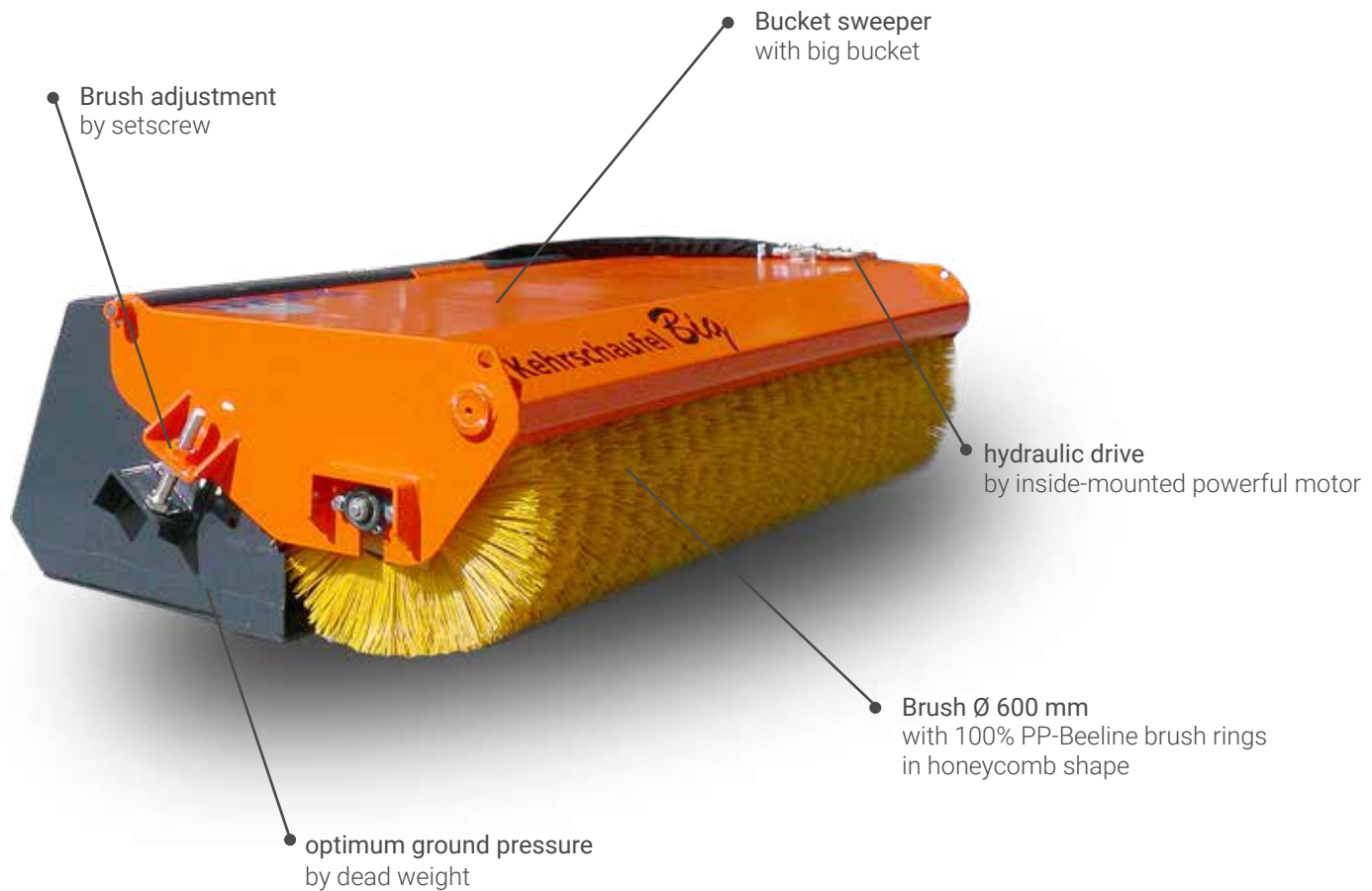
- » **Collecting container** with hydraulic emptying (PU-lip, including 3rd support wheel & sweeping wedge optimisation) which prevents small parts from being ejected, enables free-sweeping and guarantees an uniform distance between brushes and container. The high-filling flap in the dirt collection container enables 30 % more filling volume.
- » **hydraulic angling**
- » **3rd and 4th height-adjustable support wheels** for free-sweeping vehicles
- » **hydraulically driven side brush with hydraulic lift** for sweeping close to the edge (with water spray unit, if required)
- » **Water-spray unit** for dust binding including water pump with or without 400 l water tank
- » **Limiting lights (LED)** acc. to StVZO (road traffic licensing authority) when driving in road traffic
- » **Signal flag holder und signal flags**
- » **Special paint** according to RAL (standard RAL 2004)



## TECHNICAL DATA

	260 cm	290 cm	320 cm	350 cm
Working width (straight/angled) [cm]	260/237	290/265	320/292	350/320
Total width [cm]	294	324	354	384
Weight free-sweeping [kg]	1.564	1.623	1.684	1,745
Weight including collecting container [kg]	2.160	2.247	2.335	2,423
Volume collecting container [l]	1.020	1.130	1.250	1,370
required oil flow rate (at 160 bar) [l]	100	100	100	100





The bucket sweeper is specially designed for your compact / or wheel loader and is equipped with a quick hitch as standard, driven by a powerful hydraulic motor with overpressure relief valve, which is integrated in the roller shaft as standard and thus protected against damage.

The 100 % PP Beeline brush rings in honey comb shape of brush diameter 600 mm can easily be readjusted when worn. Unlike all other TUCHEL series, the brush of this vehicle is attached on front of the extra large bucket-like container, to ensure optimum weight distribution when you work with your compact loader. In addition, there is a scraping edge on the bucket that enables even solidified debris to be broken off.

## INSTALLATION VARIANTS

- » Compact / wheel loader attachment

# B I G



## optional EQUIPMENT VERSIONS

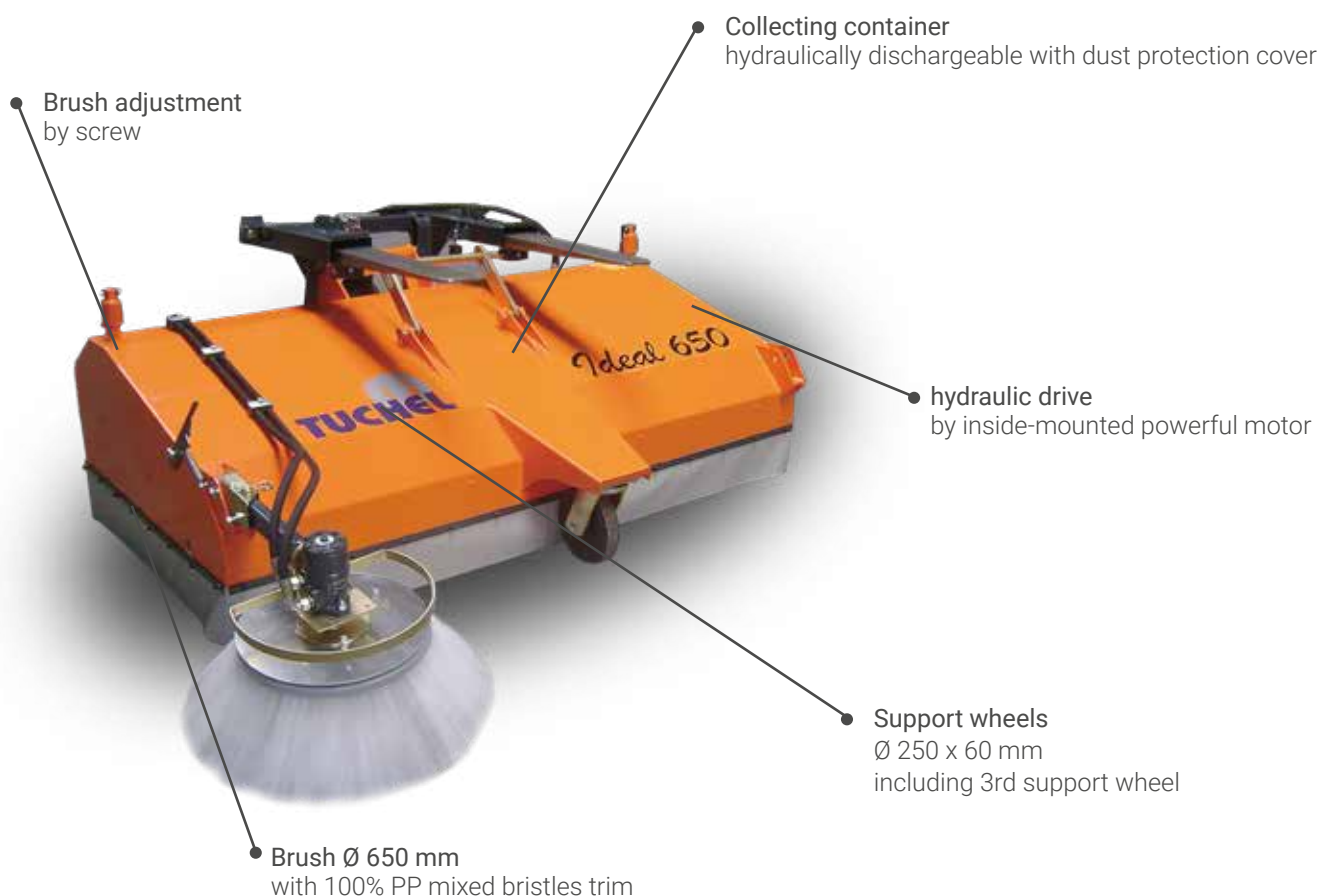
- » For continuous use, we recommend a **reinforcement package** which includes wear edges made of armoured knob steel as well as bottom and lateral bolt-on blades to be simply turned over to double the service life.
- » **special brush bristle trim** with 50% PP / 50% wire
- » **hydraulically driven side brush** for sweeping close to the edge (with water spray unit, if required)
- » **Water-spray unit** for dust binding including water pump with or without water tank (100 l or 200 l)
- » **hydraulic cap lifting mechanism**
- » **electro-magnetic commutator (EM)** 12/24 V
- » **Special paint** according to RAL (standard RAL 2004)



## TECHNICAL DATA

	120 cm	150 cm	180 cm	210 cm
Working width (straight) [cm]	120	150	180	210
Total width [cm]	147	177	207	237
Weight [kg]	373	425	478	528
Weight including reinforcement package [kg]	411	472	532	589
Volume collecting container [l]	300	375	450	525
required oil flow rate (at 160 bar) [l]	25	40	40	50





The IDEAL 650 front sweeper is specially designed for use in industry and on construction sites. The sweeper is driven by an inside-mounted powerful hydraulic motor with twin pressure relieving valve.

The brush made of 100 % PP mixed bristles trim can be ideally used indoor as well as outdoor. Here, in particular, the bristles are V-shaped to sweep up both solidified dirt and fine dust. The oscillating suspended brush adapts optimally to the ground and provides good dust encapsulation. This sweeper is ideally suited for cleaning halls and buildings.

In addition, the sweeper is equipped with an integrated hydraulically dischargeable collecting tank with high-filling flap and a dust cover.

## INSTALLATION VARIANTS

» Fork-tines attachment

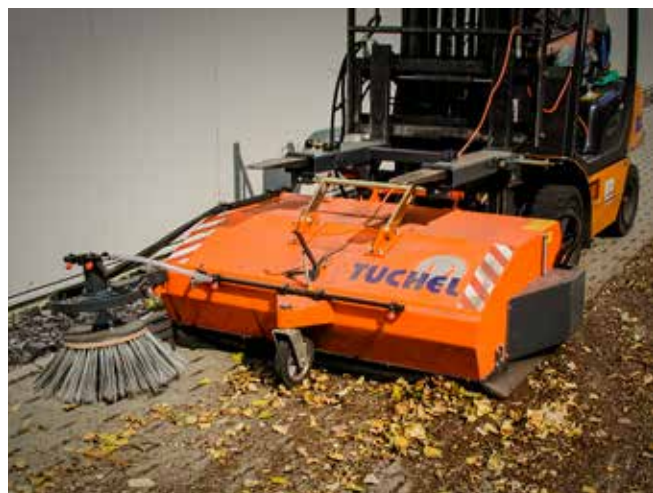
**COMBI ATTACHMENT** consisting of:

- » Fork-tines attachment & wheel loader attachment
- » Fork-tines attachment & three-point linkage

# IDEA

## optional EQUIPMENT VERSIONS

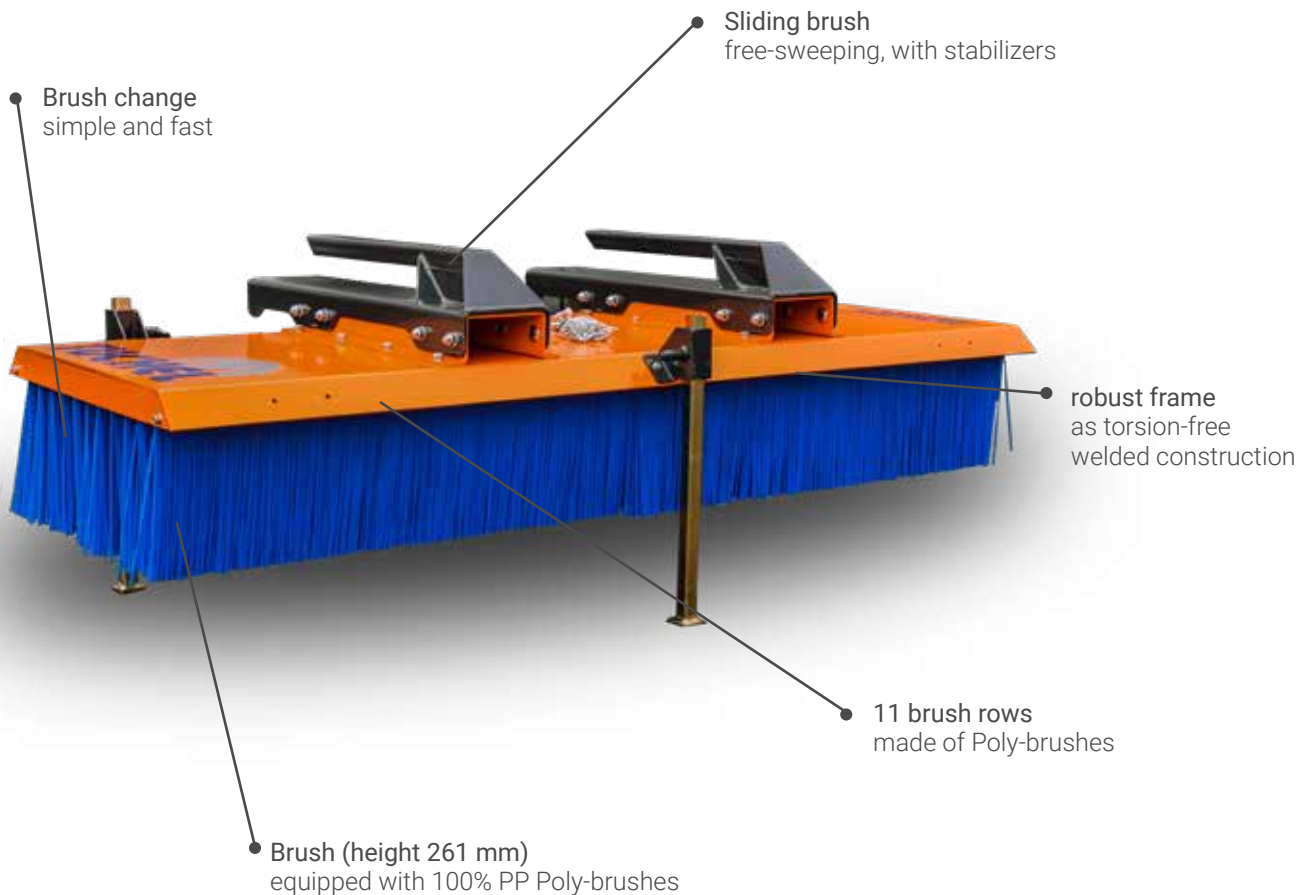
- » **hydraulically driven side brush** for sweeping close to the edge (with water spray unit, if required)
  - » **Water-spray system** for dust binding including water pump with or without water tank (100 l or 200 l)
  - » **Extra sturdy wheels** we recommend for heavy-duty application.
  - » **Flow control valve** for infinitely variable speed control with pressure relief valve (> 90 l)
  - » **Limiting lights (LED)** acc. to StVZO (road traffic licensing authority) when driving in road traffic
  - » **Signal flag holder und signal flags**
  - » **Special paint** according to RAL (standard RAL 2004)
- » **MACHINE-OWN HYDRAULIC SYSTEM** with oil tank



## TECHNICAL DATA

	130 cm	150 cm	180 cm	210 cm
Working width (straight) [cm]	130	150	180	210
Total width [cm]	155	175	205	235
Weight including collecting container [kg]	455	497	516	556
Volume collecting container [l]	210	240	290	335
required oil flow rate (at 160 bar) [l]	25	25	25	30





The free-sweeping SOLO sliding brush with its rigid base frame can be fixed on forklifts, tractors and yard loaders.

The 11 rows of brushes made of 100 % PP full body bristles provide for best sweeping result on the cleaned surfaces. Furthermore, the sweeping brush is equipped with 3 stabilizers to ensure a long service life of the brushes.

The sliding brush can thus clean large areas quickly and sweep heavy bulk materials as well as raw materials on transfer areas and in bulk material boxes leaving the materials correctly sorted.

## INSTALLATION VARIANTS

- » A-frame
- » Three-point linkage
- » Bucket attachment
- » Yard loader attachment
- » Gripping bucket
- » Excavator attachment

# SOLO



# optional EQUIPMENT VERSIONS

- » Side sweeping edge for sweeping close to the edge optionally selective left or right as well as left and right
- » Special paint according to RAL (standard RAL 2004)

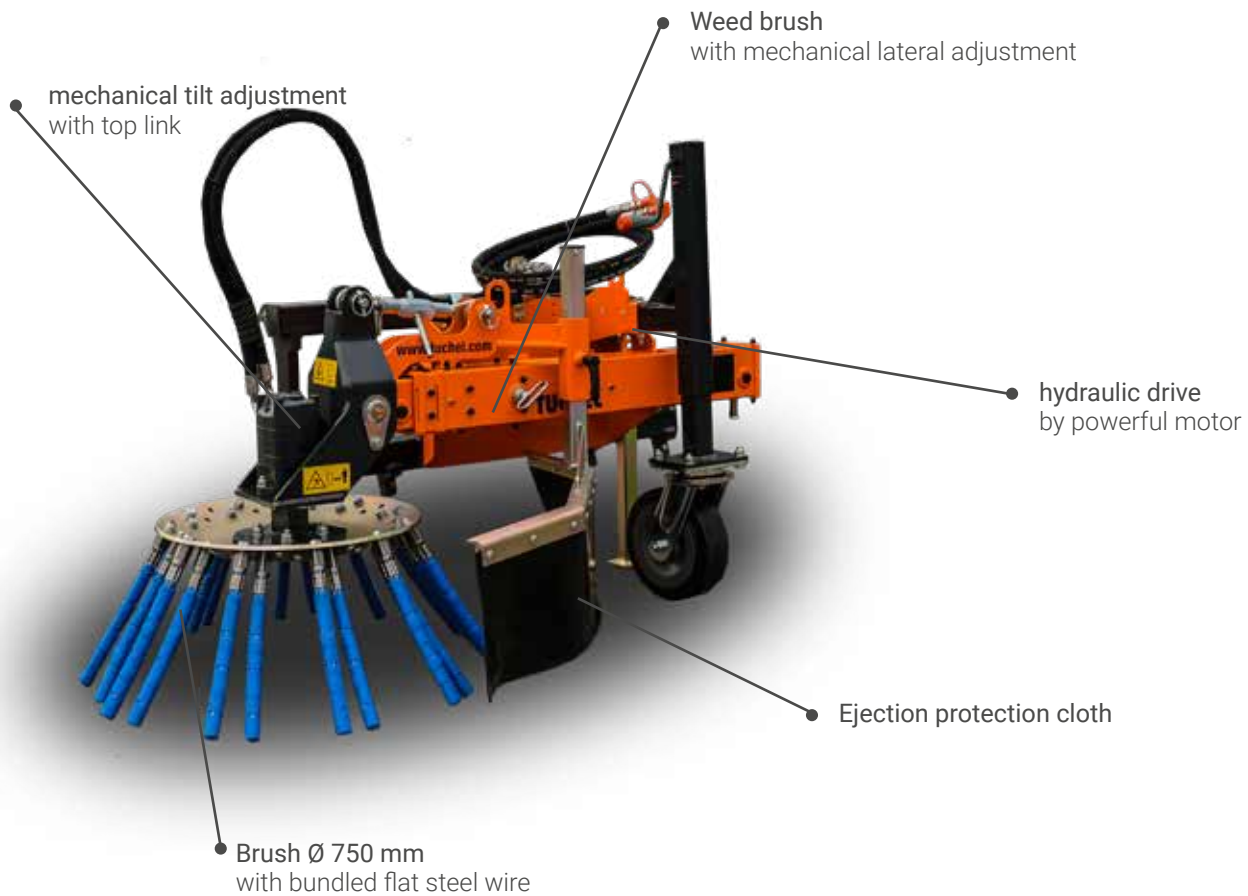


Side sweeping edge for sweeping close

## TECHNICAL DATA

	150 cm	190 cm	230 cm	250 cm	280 cm
Working width (straight) [cm]	150	190	230	250	280
Working depth [cm]	71	71	71	71	71
Brush rows	11	11	11	11	11
Weight [kg]	110	133	156	258	185





The 750 weed brush removes all kinds of weeds effortlessly as well as without use of any chemicals and can be mounted on wheel loaders, tractors, municipal vehicles and excavators.

The mechanical angling also enables removal in the edge area and the mechanical tilt adjustment on the top link provides for the highest possible scraping effect. The 750 mm diameter circular brush is equipped with bundled flat steel wire and hydraulically driven.

To prevent stones and dirt from flying around in uncontrolled manner, an adjustable anti-ejection cloth is part of the basic equipment.

## INSTALLATION VARIANTS

- » A-frame
- » Three-point linkage
- » Fork-tines attachment
- » Wheel loader / telescopic attachment
- » Municipal vehicle-type attachment
- » excavator attachment

# WB 750



## optional EQUIPMENT VERSIONS

- » **special brush bristles trim** with plastic-coated twisted wire bundle
- » **steplessly adjustable guide wheel / support wheel** with additional castor roller castor wheel 200 x 50 mm
- » with castor wheel 250 x 80 mm
- » **hydraulic angling**
- » **hydraulic Tilt adjustment**
- » **Speed control** for speed adjustment
- » **electro-magnetic commutator** 12/24 V (6/2-way or 8/3-way) for vehicles with only one or two double acting hydraulic circuits
- » **Special paint** according to RAL (standard RAL 2004)
- » **HYDRO DRIVE** for vehicles with insufficient oil flow rate
- > Three-point linkage



## TECHNICAL DATA

Ø 750

Circular brush Ø [mm]

750

Total width (max. extension) [cm]

196

Angling

mechanical by 450 mm

Motor

Hydr.-Motor

Weight (basic machine) [kg]

appr. 100

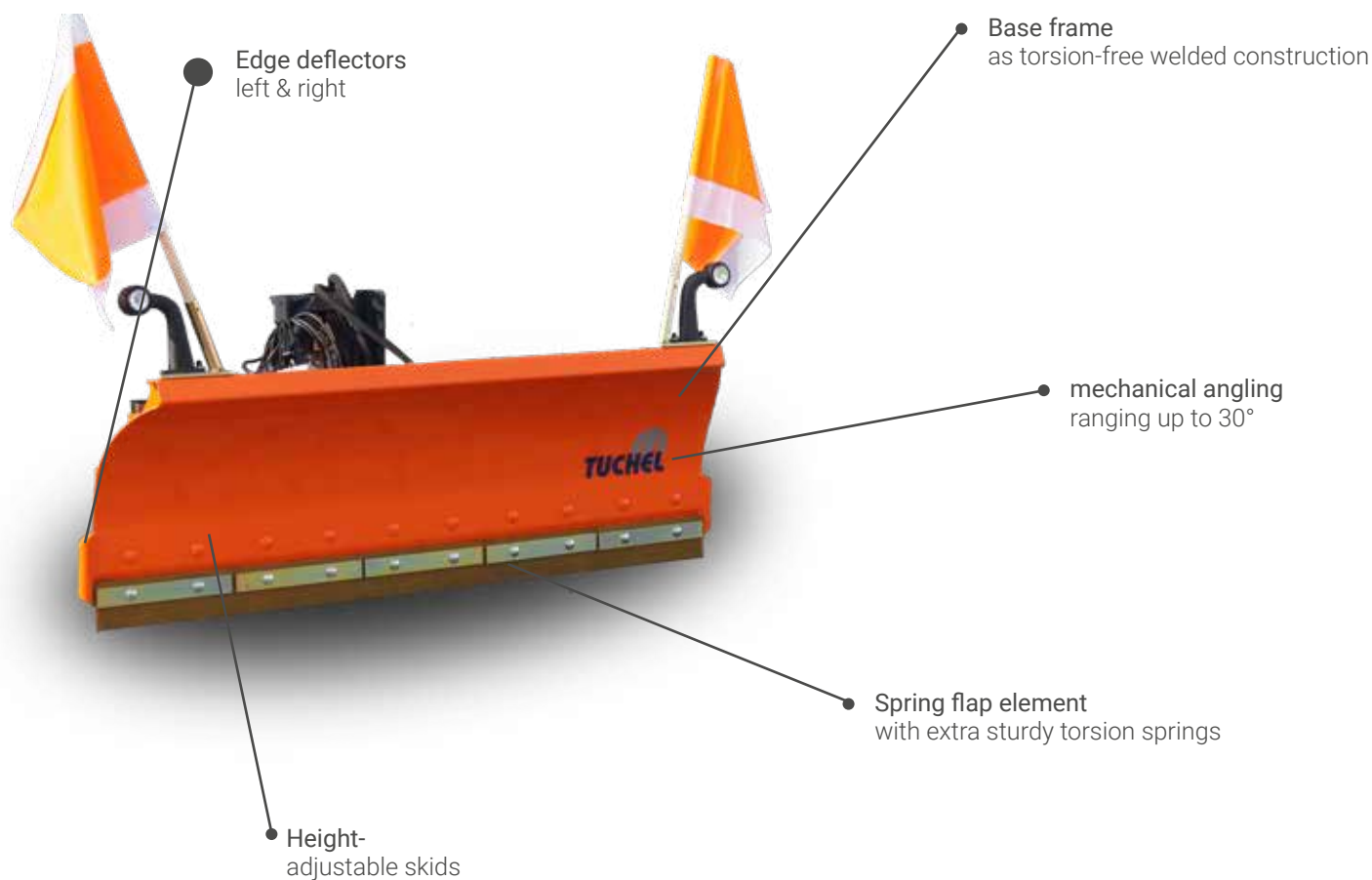
required oil flow rate (at 180 bar) [l]

20



# TUCHEL-SNOW

L-SK



The L-SK snow blade is specially designed to be mounted on small tractors, small yard loaders, forklifts and the Tichel.Trac Trio due to its lightweight construction.

The base frame is equipped with non-icing spring flap segments and a PU-lip. The bevels in the side and upper shield areas ensure a high degree of stability and the mechanical angling enables lateral clearing.

The standard equipment includes height-adjustable skids as well as edge deflectors that protect the blade from damage. The blade has an optimised tilt angle, resulting in clean clearing results and maximum smoothness.

## INSTALLATION VARIANTS

- » A-frame
- » Three-point linkage
- » Attachment for Tichel-Trac Trio
- » Yard loader attachment
- » Fork-tines attachment

# SNOW

## optional EQUIPMENT VERSIONS

- » Hydraulic angling for easy swivelling
- » Castor rollers Ø 200 x 50 mm instead of skids
- » Limiting lights (LED) acc. to StVZO (road traffic licensing authority) when driving in road traffic
- » Signal flag holder und signal flags
- » Special paint according to RAL (standard RAL 2004)



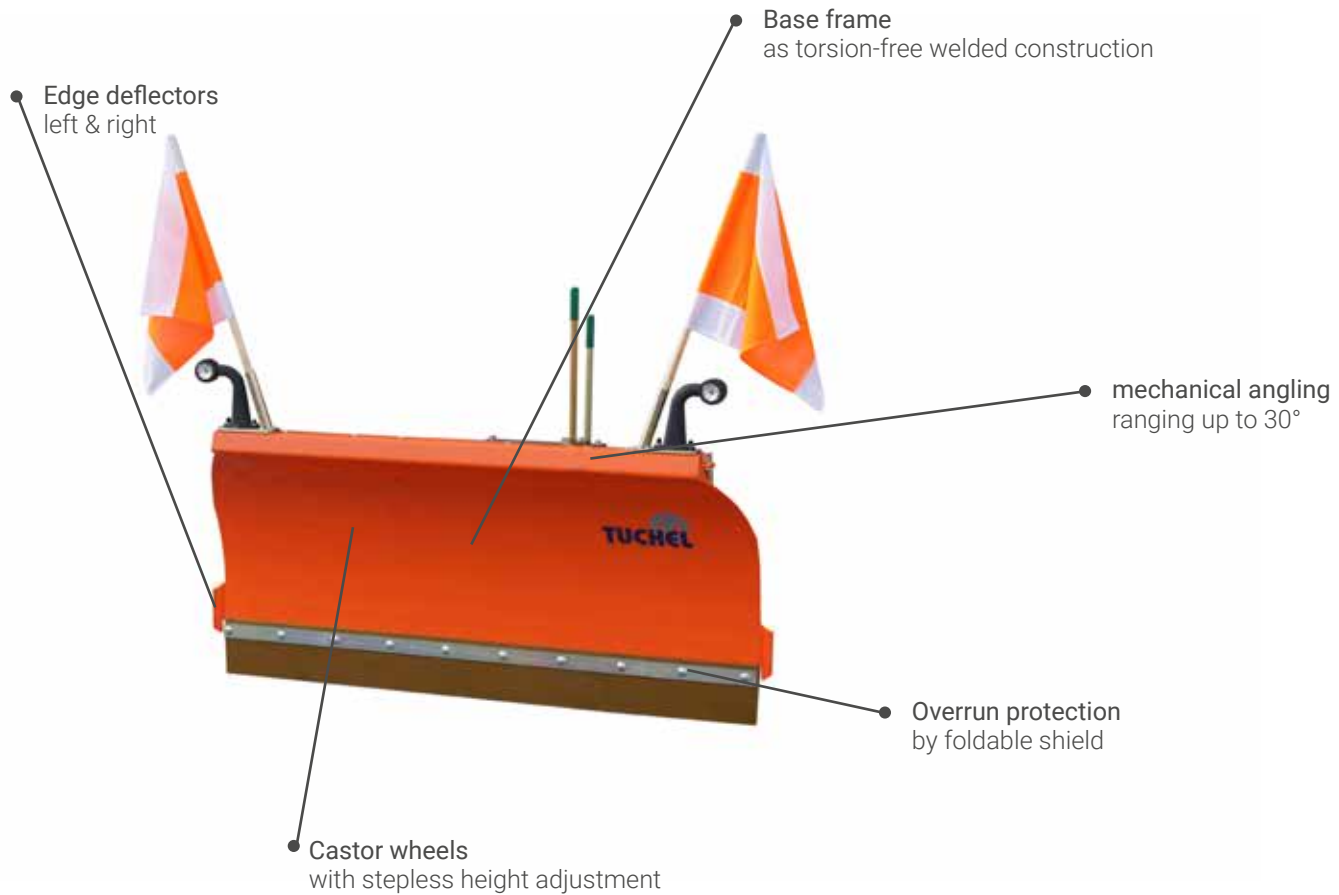
## TECHNICAL DATA

	125 cm	155 cm	185 cm
Clearing width (straight/angled) [cm]	125/107	155/133	185/160
Total width (max. extension) [cm]	125	155	185
Weight (without attachment) [kg]	84	97	110
Height [cm]	50	50	50
Angled position	up to 30°	up to 30°	up to 30°



# TUCHEL-SNOW

SK-K



Due to its compact design, the SK-K snow blade is particularly suitable for clearing in municipal areas mounted on the front of small tractors, yard loaders, wheel loaders, forklift trucks and municipal vehicles.

Equipped with a folding blade as overrun protection, the blade folds down in case of obstacles and gets, in such a way, protected from damage. The shield is available with a torsion-resistant PU-lip or with a steel trim. The bevels in the side and upper shield areas ensure a high degree of stability and the mechanical angling enables lateral clearing.

In addition, steplessly height-adjustable castors and edge deflectors, which protect the blade from damage, are included in the basic equipment. The blade has an optimised tilt angle, resulting in clean clearing results and maximum smoothness.

## INSTALLATION VARIANTS

- » A-frame
- » Three-point linkage
- » Yard loader attachment / quick hitch
- » Municipal vehicle-type attachment
- » Fork-tines attachment

# SNOW



## optional EQUIPMENT VERSIONS

- » Hydraulic angling for easy swivelling with optional pressure relief valve
- » **Extra sturdy** wheels Ø 200 x 50 mm for heavy-duty application.
- » **Limiting lights (LED)** acc. to StVZO (road traffic licensing authority) when driving in road traffic
- » **Signal flag holder und signal flags**
- » **Special paint** according to RAL (standard RAL 2004)



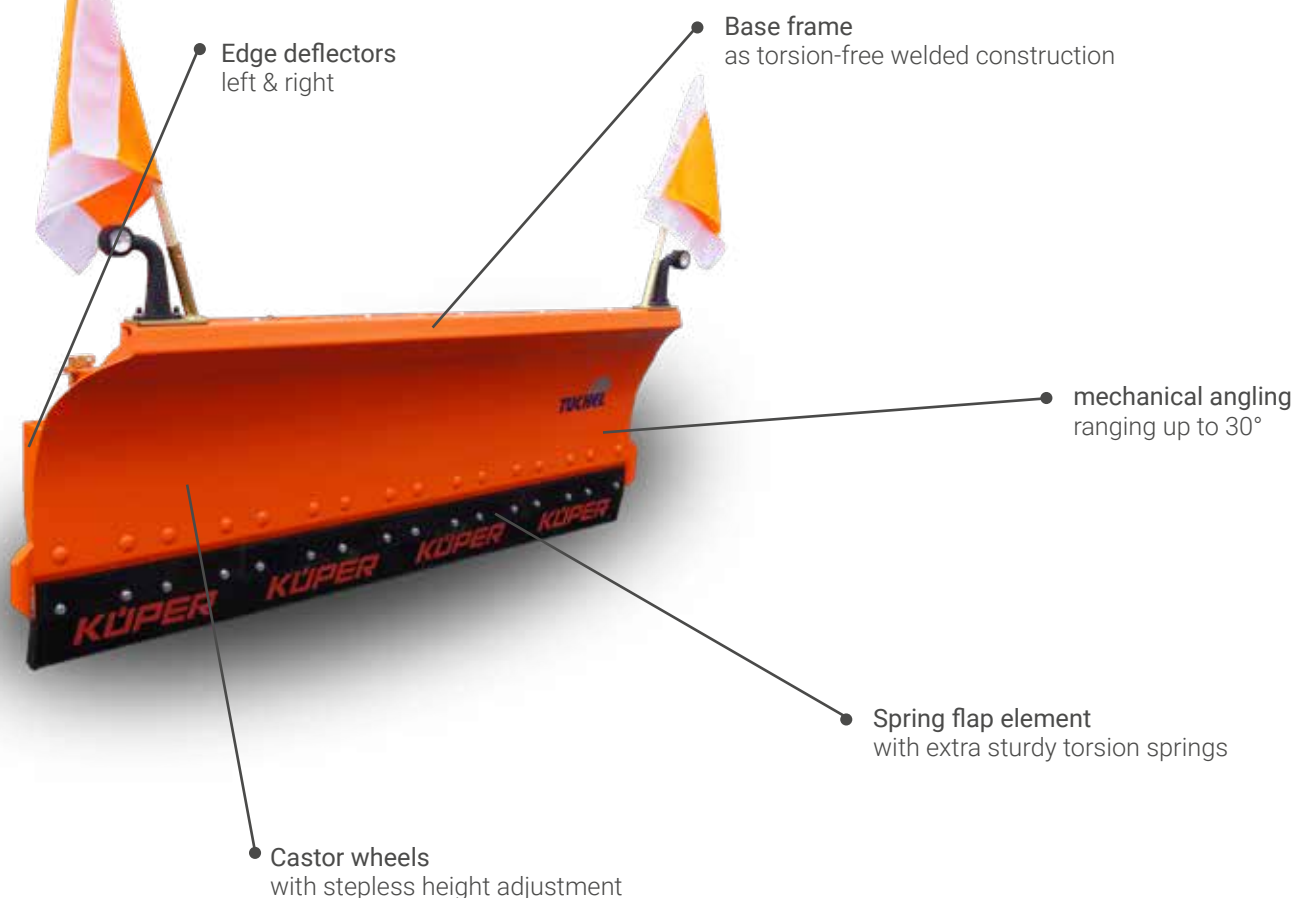
## TECHNICAL DATA

	150 cm	180 cm	200 cm	225 cm
Clearing width (straight/angled) [cm]	150/132	180/158	200/176	225/198
Total width (max. extension) [cm]	158	188	208	233
Weight (without attachment) [kg]	76	91	101	113
Height [cm]	70	70	70	70
Angled position	up to 30°	up to 30°	up to 30°	up to 30°



# TUCHEL-SNOW

SK-F



Due to its compact design, the SK-F snow blade is particularly suitable for clearing in municipal areas mounted on the front of small tractors, yard loaders, wheel loaders, forklift trucks and municipal vehicles.

The sturdy base frame is equipped with non-icing spring flap segments and is optionally available with torsion-resistant PU-lip, steel trim or a highly abrasion-resistant municipal scraper bar. The bevels in the side and upper shield areas ensure a high degree of stability and the mechanical angling enables lateral clearing.

In addition, steplessly height-adjustable castors and edge deflectors, which protect the blade from damage, are included in the basic equipment. The blade has an optimised tilt angle, resulting in clean clearing results and maximum smoothness.

## INSTALLATION VARIANTS

- » A-frame
- » Three-point linkage
- » Yard loader attachment / quick hitch
- » Municipal vehicle-type attachment
- » Fork-tines attachment

# SNOW



## optional EQUIPMENT VERSIONS

- » Hydraulic angling for easy swivelling with optional pressure relief valve
- » Side levelling for optimum ground adjustment
- » Extra sturdy wheels Ø 250 x 80 mm for heavy-duty application.
- » Limiting lights (LED) acc. to StVZO (road traffic licensing authority) when driving in road traffic
- » Signal flag holder und signal flags
- » Special paint according to RAL (standard RAL 2004)



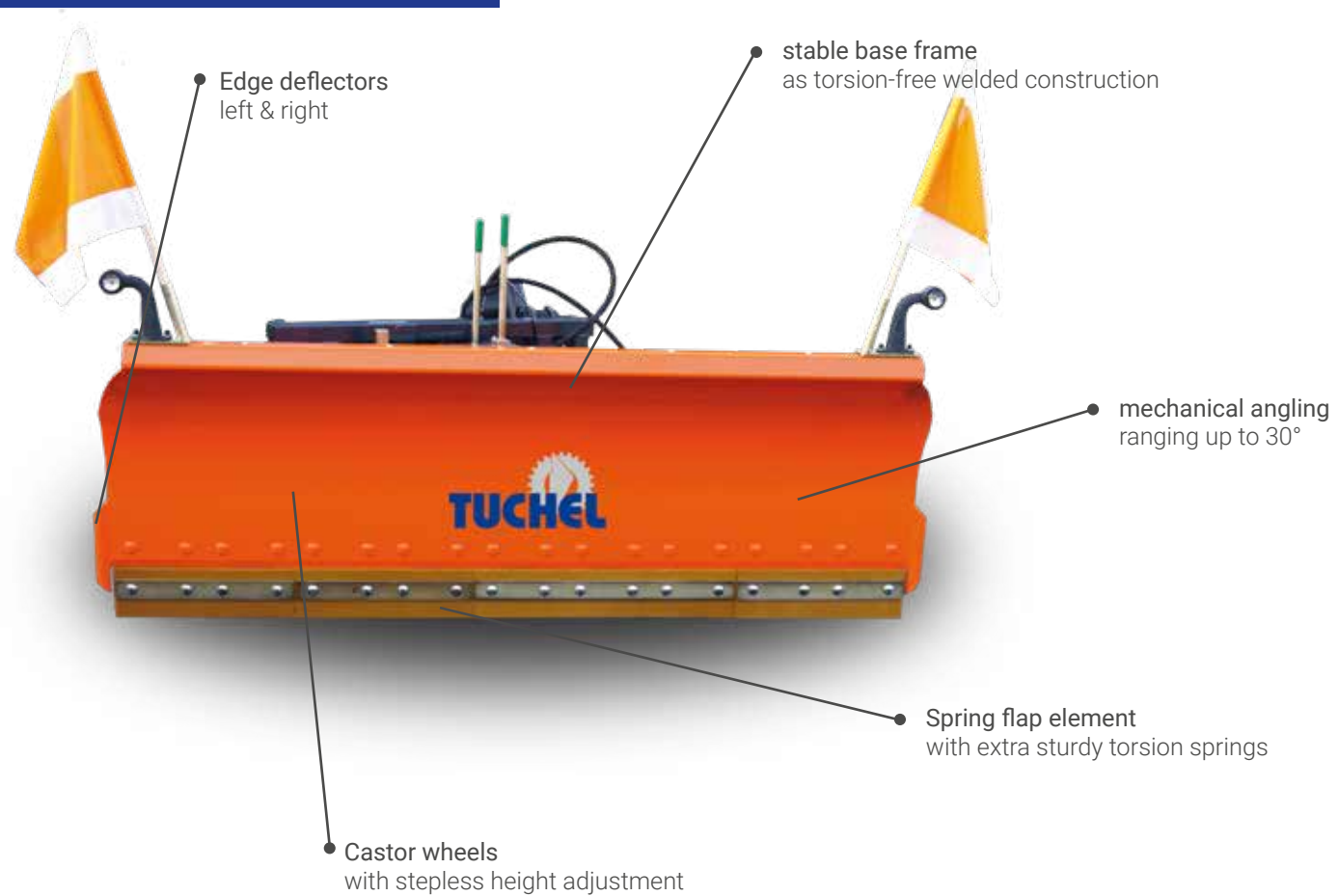
## TECHNICAL DATA

	150 cm	180 cm	200 cm	225 cm
Clearing width (straight/angled) [cm]	150/132	175/154	200/176	225/198
Total width (max. extension) [cm]	160	185	210	235
Weight (without attachment) [kg]	165	185	200	215
Height [cm]	70	70	70	70
Angled position	up to 30°	up to 30°	up to 30°	up to 30°



# TUCHEL-SNOW

L-SF



The L-SF lightweight snow blade can effectively clear snow from all surfaces, even in harsh weather conditions, and can be fitted on the front of wheel loaders, tractors and Unimog vehicles.

The sturdy base frame is equipped with non-icing spring flap segments and is optionally available with torsion-resistant PU-lip, steel trim or a highly abrasion-resistant municipal scraper bar. The bevels in the side and upper shield areas ensure a high degree of stability and the mechanical angling enables lateral clearing.

In addition, steplessly height-adjustable castors and edge deflectors, which protect the blade from damage, are included in the basic equipment. The blade has an optimised tilt angle, resulting in clean clearing results and maximum smoothness.

## INSTALLATION VARIANTS

- » A-frame
- » Three-point linkage
- » Wheel loader / telescopic attachment
- » Attachment plate fitting to Unimog vehicles DIN 76060
- » Fork-tines attachment

# SNOW

## optional EQUIPMENT VERSIONS

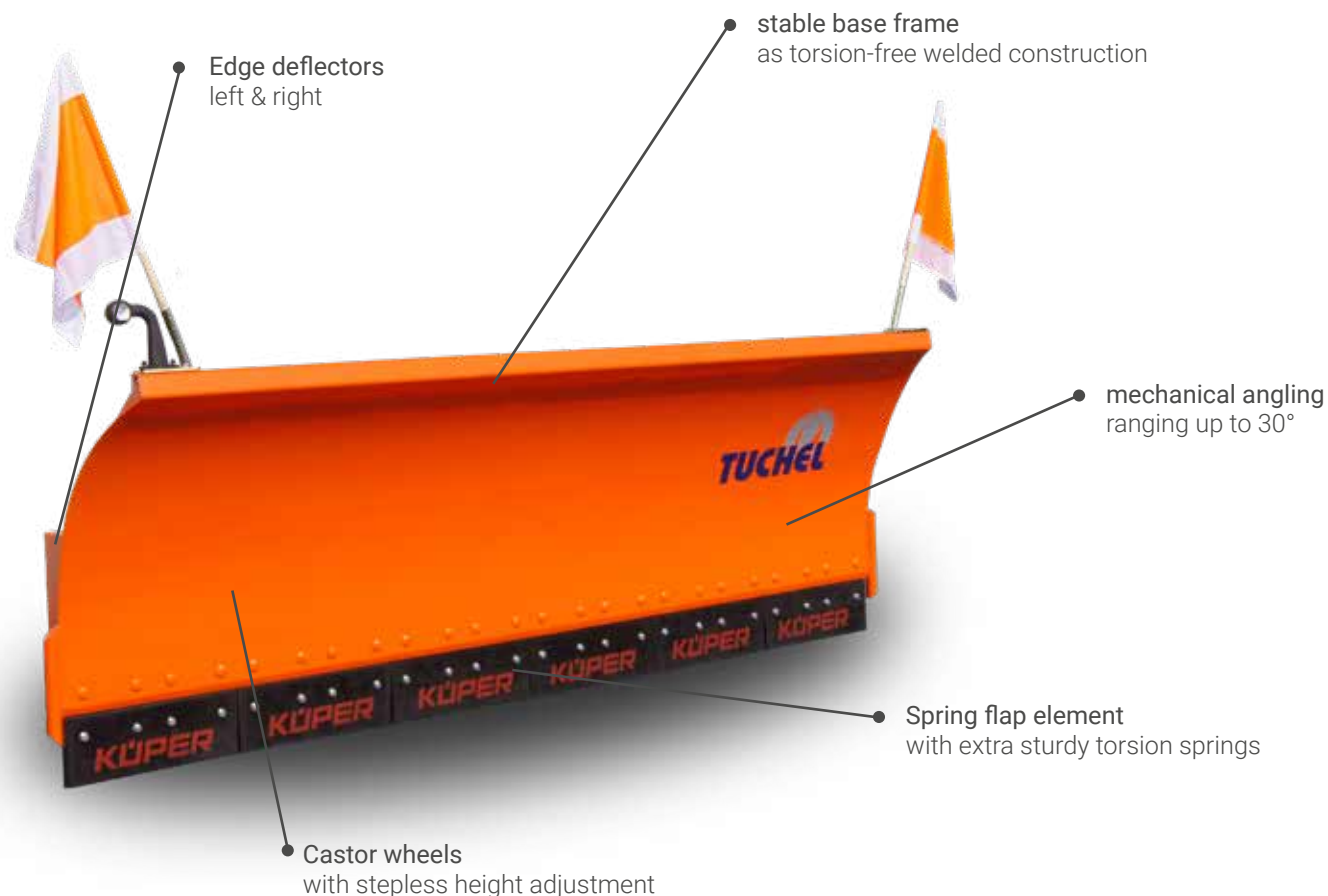
- » **Hydraulic angling** for easy swivelling with optional pressure relief valve and/or pressure holding valve
- » **Side levelling** for optimum ground adjustment
- » **Extra sturdy wheels** for heavy-duty application.
- » **Skids** instead of castor rollers
- » **Snow guide cloth** for the driver's good visibility
- » **Limiting lights (LED)** acc. to StVZO (road traffic licensing authority) when driving in road traffic
- » **Signal flag holder und signal flags**
- » **Special paint** according to RAL (standard RAL 2004)



## TECHNICAL DATA

	200 cm	225 cm	250 cm	275 cm	300 cm
Clearing width (straight/angled) [cm]	200/175	225/196	250/218	275/249	300/259
Total width (max. extension) [cm]	210	235	260	285	310
Weight (without attachment) [kg]	277	300	321	345	366
Height [cm]	82	82	82	82	82
Angled position	up to 30°	up to 30°	up to 30°	up to 30°	up to 30°





The robust SF snow blade withstands even the toughest weather conditions and can be mounted on the front of wheel loaders, tractors and Unimog vehicles.

The sturdy base frame is equipped with non-icing spring flap segments and is optionally available with torsion-resistant PU-lip, steel trim or a highly abrasion-resistant municipal scraper bar. The bevels in the side and upper shield areas ensure a high degree of stability and the mechanical angling enables lateral clearing.

In addition, steplessly height-adjustable castors and edge deflectors, which protect the blade from damage, are included in the basic equipment. The blade has an optimised tilt angle, resulting in clean clearing results and maximum smoothness. Furthermore, this snow blade is moved by reinforced swivel cylinders.

## INSTALLATION VARIANTS

- » A-frame
- » Three-point linkage
- » Wheel loader / telescopic attachment
- » Attachment plate fitting to Unimog vehicles  
DIN 76060
- » Fork-tines attachment

# SNOW



## optional EQUIPMENT VERSIONS

- » Hydraulic angling for easy swivelling with optional pressure relief valve and/or pressure holding valve
- » Side levelling for optimum ground adjustment
- » CSE-tyres
- » Skids instead of castor rollers
- » Snow guide cloth for the driver's good visibility
- » Limiting lights (LED) acc. to StVZO (road traffic licensing authority) when driving in road traffic
- » Signal flag holder und signal flags
- » Special paint according to RAL (standard RAL 2004)



## TECHNICAL DATA

	250 cm	275 cm	300 cm	325 cm	350 cm
Clearing width (straight/angled) [cm]	250/215	275/236	300/258	325/279	350/301
Total width (max. extension) [cm]	260	285	310	335	360
Weight (without attachment) [kg]	385	413	439	466	489
Height [cm]	108	108	108	108	108
Angled position	up to 30°	up to 30°	up to 30°	up to 30°	up to 30°



# TUCHEL-SNOW

## VARIO



The VARIO snow plough can be mounted on almost any carrier vehicle and impresses with its flexibility.

The robust carrier frame with two hydraulically adjustable folding wings can be used separately in V, Y or straight position. The non-icing spring flap segments serve as overrun protection with overload protection via a nitrogen accumulator.

In addition, steplessly height-adjustable castors and the left and right edge deflectors, which protect the blade from damage, are included in the basic equipment. As option, the blade can be purchased with a torsion-resistant PU-lip, steel trim or a highly abrasion-resistant municipal scraper bar.

## INSTALLATION VARIANTS

- » A-frame
- » Three-point linkage
- » Wheel loader / telescopic attachment
- » Municipal vehicle attachment (up to 180 cm)
- » Attachment plate fitting to Unimog vehicles carrier vehicle  
DIN 76060 (from 210 cm)
- » Fork-tines attachment

# SNOW

## optional EQUIPMENT VERSIONS

- » **Perfect control** for wing adjustment in straight position right/left or from Y-shape to V-shape in one operation
- » **Side levelling** for optimum ground adjustment
- » **Extra sturdy wheels** for heavy-duty application.
- » **Skids** instead of castor rollers
- » **Limiting lights (LED)** acc. to StVZO (road traffic licensing authority) when driving in road traffic
- » **Signal flag holder und signal flags**
- » **Special paint** according to RAL (standard RAL 2004)

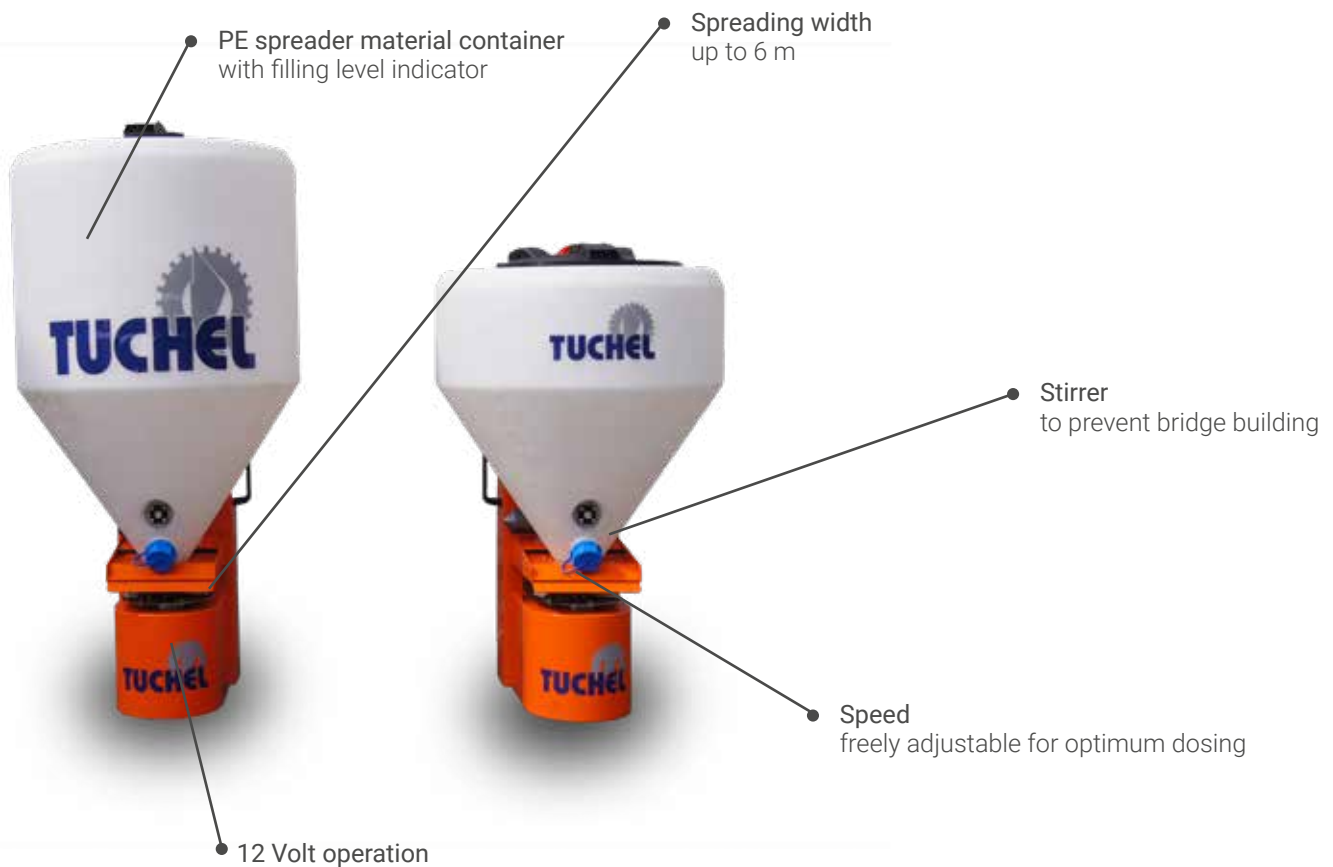


## TECHNICAL DATA

	150 cm	180 cm	210 cm	240 cm	260 cm	320 cm	370 cm
<b>Clearing width (straight/angled) [cm]</b>	150/135	179/161	218/196	238/214	268/224	318/265	368/300
<b>Clearing (V-shape / Y-shape) [cm]</b>	135/135	161/160	199/193	217/211	226/222	273/257	281/320
<b>Weight (without attachment) [kg]</b>	187	210	318	335	421	468	550
<b>Height [mm]</b>	570	570	770	770	770	770	825
<b>Angled position (rear/front)</b>	28 °/27 °	28 °/27 °	26 °/28 °	26 °/28 °	34 °/34 °	32 °/36 °	41 °/30 °



VARI



The TS salt spreader is equipped with a hopper of 120 or 200 litres capacity and can be attached in just a few steps.

A powerful gear motor drives the spreading disc, which can eject the road salt up to 6 m (depending on the spreading material) during winter service. The speed of the spreading disc can be adjusted conveniently and easily in the driver's cab. In order to deliver the desired application rate, a metering slide is also set electrically through the control unit.

The stirrer inside the container prevents bridging. All elements are made of high-quality V4A stainless steel, so they are protected against corrosion.

## INSTALLATION VARIANTS

- » A-frame
- » Three-point linkage
- » Trailer coupling

# SNOW



# optional EQUIPMENT VERSIONS

- » LED lighting unit adjustable with indicator, brake light and rear light function.
- » 24 V Voltage transformer
- » Special paint according to RAL (standard RAL 2004)



## TECHNICAL DATA

	120	200
Filling volume [l]	120	200
Length / width [cm]	67/67	67/67
Height [cm]	105	131
Weight (basic machine) [kg]	50	59



# TUCHEL-TRAC

## TRIO



The Tichel-Trac Trio is the appropriate carrier vehicle for minimising heavy physical work in agriculture, landscaping, municipalities or in the construction industry. Due to the compact design you have everything in view from the driver's seat and short distances when changing tools.

The four-wheel drive, the rear steering axle and the hydraulic steering distinguish this tricycle. You can use the Tichel-Trac Trio perfectly in difficult terrain and in the tightest of spaces.

Two double-acting control circuits ensure rapid and powerful working. The joysticks of the working hydraulics are within easy reach, right next to the adjustable seat.

The completely swivelling plastic bonnet makes the components easily accessible for maintenance and service. With the Tichel-Trac Trio you have a powerful vehicle that is easy to operate.

# TRAC

## optional EQUIPMENT VERSIONS

- » Spreader "E" with stirring shaft
- » Spreader "F" with screw conveyor
- » Feed screw
- » Slurry scraper with double lip
- » Rubber scraper
- » Sweeping-machine Simplex 120 cm
- » Snow blade L-SK
- » Radial brush  $\varnothing$  1,200 cm
- » Mulch mower 110 cm
- » Weed brush  $\varnothing$  750 cm
- » High-tipping bucket
- » Pallet fork
- » hydraulic 4-fold multi coupling



## TECHNICAL DATA

	2 cylinders	3 cylinders
Engine [kW (PS)]	10.3 (14) at 3,200 rpm	14.9 (20) at 3,600 rpm
Hydraulic flow rate [l/min]	25 at 3,200 rpm	25 at 3,200 rpm
Tank capacity (hydraulic) [l]	65	65
Total width / turning radius [mm]	920 / 1,460 (1,830)	920 / 1,460 (1,830)
Weight [kg]	642 (ready for operation)	680 (ready for operation)

TRIO



Small, compact, agile and speedy - that's our new MINI 3. We have equipped the Tricycle with hydrostatic front-wheel drive for you as standard. Thanks to the rear steering axle the MINI 3 features a turning radius of only 490 mm. Due to the quick hitch the assembly and disassembly of many attachments are very user-friendly for you. In such a way, many activities around your farm can be done easily and quickly.

# TRAC



## optional EQUIPMENT VERSIONS

- » **Slurry scraper** 105 cm, V-shaped, double lip with low-wear PU-lips
- » **Slurry scraper with side brush**  $\varnothing$  600 mm, 100 % PP, hydraulic swivel, mechanical height adjustment
- » **Bedding unit** volume 48 l, for light-weight spreading material
- » **Feed pusher / snow clearing blade** 135 cm, right/left swivel-mounted, with low-wear scraper edge for optimum feed resupply, cleaning of the feed table and snow clearing
- » **Feed blade / snow blade with hydraulic angling**
- » **Radial brush** 105 cm, 100 % PP, hydraulically driven, two-way rotation
- » **Radial brush with feed supply plate**
- » **Weed brush**  $\varnothing$  750 mm, mechanically adjustable
- » **Sweeper** 100 cm, brushes-  $\varnothing$  320 mm, Swivel castors  $\varnothing$  140 mm, inside-mounted hydraulic motor, including splash guard for free-sweeping version,
- » **Levelling**
- » **High-tipping bucket**, width 87 cm, volume 50 l, hydraulically operated tipping out



## TECHNICAL DATA

### MINI 3

Dimensions without attachment [mm]

W: 850 L: 1,690 H: 1.750

Engine / power  
er

Honda GXV 390 / 7.6 kW (10.2 hp) / E-starter and reversing start-

Drive

hydrostatic front wheel drive through V-belt

Lifting system

hydraulic

Hydraulic connectors

1 x single-acting (11 l / 170 bar)

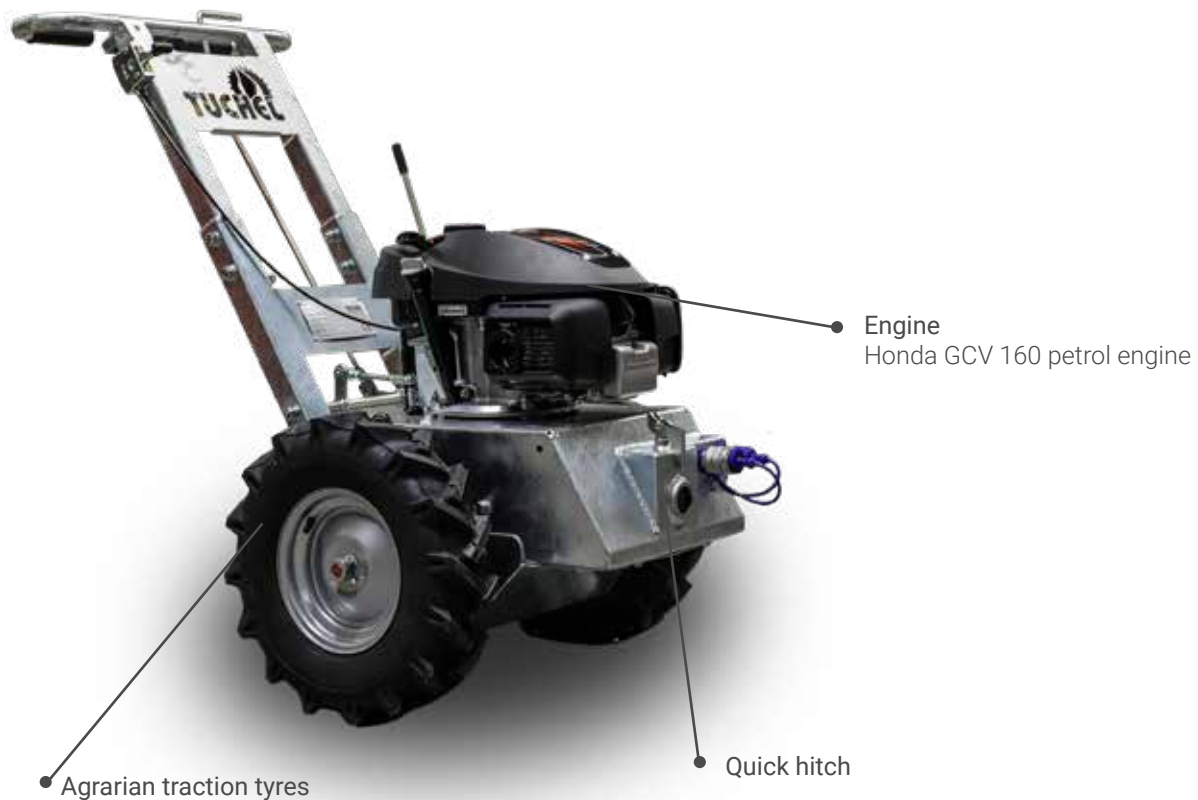
Weight basic vehicle [kg]

290

Turning radius [mm]

490

MINI 3



A stable lever steering system and the big agrarian traction tyres ensure that the power rate is fully utilised. The basic unit is equipped as standard with a hydraulic drive and hydraulic connectors for other attachments. These can be mounted and dismounted without tools.

# FARM

## optional EQUIPMENT VERSIONS

- » **Slurry scraper** V-shaped, 100 cm, designed as a double-lip scraper, including levelling, galvanised, with low-wear Diepothan edges ensures easy and rapid cleaning of slotted floors even in the smallest of spaces
- » **Feed supply blade** 110 cm, can be swivelled to the right and left, including level compensation, powder-coated, with wear-resistant scraper edge for optimal resupply of the feed and simultaneous cleaning of the feed table
- » **Snow blade** 95 cm/height 40 cm, swivelling right and left with wear-resistant scraper edge, incl. level compensation, powder-coated
- » **Axial sweeper** 75 cm and 100 cm, hydraulically driven, brush diameter 320 mm, 100 % PP, powder-coated, swivelling right and left, incl. levelling
- » **Collecting container** 75 cm und 100 cm, powder-coated, matching to the axial sweeper, with scrape rail
- » **Radial brush** 80 cm, 100 % PP, powder-coated, hydraulically driven, two-way rotation
- » **Bedding unit** EL 48 litres volume, for light-weight spreading material
- » **Side sweeping brush** Ø 600 mm, 100% PP trim, with support wheel, for sweeping high boxes, adjustable by bevelled bars



## TECHNICAL DATA

### Farm-Clean

Dimensions without attachment [mm]

W: 610 L: 1,090 H: 1,040

Engine / power

Honda GCV 160 / 3.3 kW (4.5 hp)

Drive

hydrostatic, forward/reverse

Speed stages

1 (optionally stepless)

Hydraulic connectors

1 x double acting

CLEAN



# SPECIAL MACHINES





For **EVERYONE**  
**WE** have a clean solution!

## TUCHEL Fire fighting Trac

The specially developed firefighting Trac is able sweeping many personnel problems out of the way in its field of application and make work easier.



## High-pressure spray installation

With the Dynaset high-pressure spray system, your sweeper is ready for operation for reliable high-pressure and street cleaning.



## TUCHEL SmartLine

The Smart-Line series from Tuchel includes a sweeper in 100 or 120 cm and a snow blade in 135 or 150 cm.



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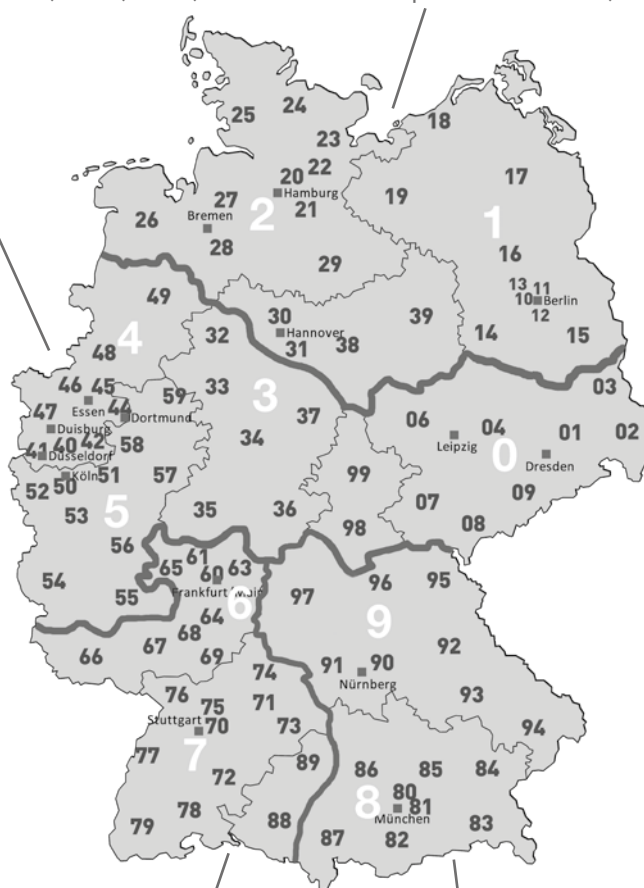
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