



ZAUGG AG EGGIWIL

Airport snow clearance

with Swiss Precision from ZAUGG



SWISS PRECISION

ZAUGG Airport Snow Sweepers

for runway snow clearance

Powerful ZAUGG snow sweepers ensure the clearance of runways and other air-side manoeuvring areas – quickly, efficiently and with Swiss precision. With operating speeds of over 40 km/h the necessary clearing performances are achieved. Whether for the clearance of snow, slush, ice or dirt in winter or for blowing away dirt in the summer – the snow sweepers from ZAUGG are suitable in every respect. These highly efficient airport devices are available with working widths of over 6 m and in towed versions or permanently installed on a modified truck chassis.



P21 S snow sweeper – Towed snow sweeper with outstanding area performance thanks to wide brush.



P21 SXL snow sweeper – Towed snow sweeper with special large brush for use at large airports.

Technical Data

	P21	P21 S	P21 SL	P21 SXL
Dimensions				
Overall length, trailer	approx. 14 260 mm	N/A	N/A	N/A
Overall length, semitrailer	approx. 11 710 mm	19 550 mm	19 550 mm	19 550 mm
Overall width	2 550 mm	2 550 mm	2 550 mm	2 550 mm
Overall height	2 760 mm	2 820 mm	2 820 mm	2 820 mm
Engine				
Output	260 kW/354 PS	315 kW/430 PS	315 kW/430 PS	315 kW/430 PS
Fuel tank	500 l	500 l	500 l	500 l
Exhaust emission standard	Euromot 4	Euromot 4	Euromot 4	Euromot 4
Road performances				
Clearing speed	> 50 km/h	> 50 km/h	> 50 km/h	> 50 km/h
Road speed	65 km/h	65 km/h	65 km/h	65 km/h
Cleaning performance				
Sweeping performance	> 182 500 m ² /h	> 254 400 m ² /h	> 267 150 m ² /h	> 267 150 m ² /h
Max. working width	(at 30°) 3 640 mm	(at 32°) 5 088 mm	(at 32°) 5 343 mm	(at 32°) 5 343 mm
Brush				
Brush diameter	915 mm	915 mm	915 mm	1 170 mm
Brush length	4 200 mm	6 000 mm	6 300 mm	6 300 mm
Brush speed	350–900 rpm	350–900 rpm	350–900 rpm	250–700 rpm
Blower fan				
Type	VRE 0400/5011	VRE 0400/5011	VRE 0400/5011	VRE 0400/5011
Fan speed, infinitely adjustable	0–3 300 rpm	0–3 300 rpm	0–3 300 rpm	0–3 300 rpm
Air speed at the nozzle	approx. 600 km/h	approx. 600 km/h	approx. 600 km/h	approx. 600 km/h
Suitable plough widths				
	5 600/6 000 mm	7 500/8 000 mm	7 500/8 000 mm	7 500/8 000 mm

Meaning of the type designation:

S = 6000 x 915 mm, L = 6300 x 915 mm, XL = 6300 x 1170 mm (Brush width x Brush diameter)

P21 C snow sweeper
Compact and particularly agile snow sweeper on modified truck chassis.



P21 CS snow sweeper
Compact and agile snow sweeper, permanently attached to truck tractor unit with wide brush.



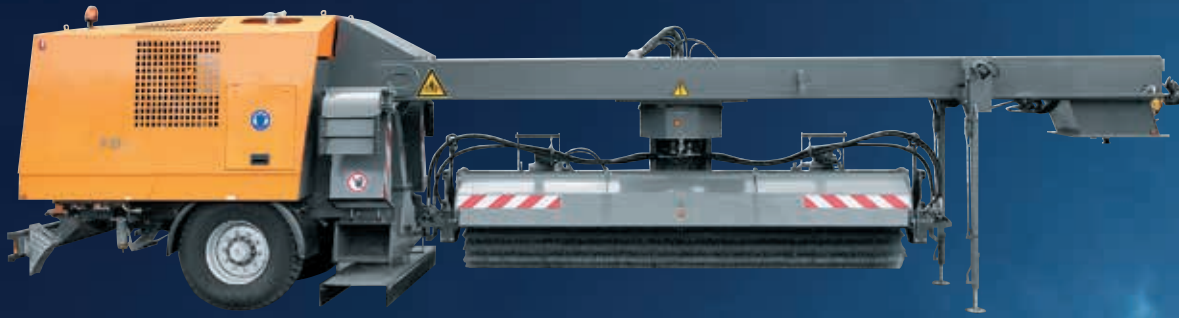
P21

Technical Data

	P21 C	P21 CS	P21 CSL
Dimensions			
Overall length	9 400 mm	13 100–15 200 mm	13 400–15 500 mm
Overall width	2 500 mm	2 720 mm	2 720 mm
Overall height	3 600 mm	3 280 mm	3 280 mm
Engine			
Output	260 kW/354 PS	315 kW/430 PS	315 kW/430 PS
Fuel tank	600 l	500 l	500 l
Exhaust emission standard	Euromot 4	Euromot 4	Euromot 4
Road performances			
Clearing speed	> 40 km/h	> 50 km/h	> 50 km/h
Road speed	65 km/h	65 km/h	65 km/h
Cleaning performance			
Sweeping performance	> 145 000 m ² /h	> 254 400 m ² /h	> 267 150 m ² /h
Max. working width	(at 30°) 3 640 mm	(at 32°) 5 088 mm	(at 32°) 5 343 mm
Brush			
Brush diameter	915 mm	915 mm	915 mm
Brush length	4 200 mm	6 000 mm	6 300 mm
Brush speed	350–900 rpm	350–900 rpm	350–900 rpm
Blower fan			
Type	VRE 0400/5011	VRE 0400/5011	VRE 0400/5011
Fan speed, infinitely adjustable	0–3 300 rpm	0–3 300 rpm	0–3 300 rpm
Air speed at the nozzle	approx. 600 km/h	approx. 600 km/h	capprox. 600 km/h
Suitable plough widths			
	5 600/6 000 mm	5 600/6 000 mm	5 600/6 000 mm

Meaning of the type designation:

S = 6000 x 915 mm, L = 6300 x 915 mm, XL = 6300 x 1170 mm (Brush width x Brush diameter)



P21 as semitrailer for a truck tractor unit.

P21



P21 as trailer for a truck, tractor or other tractive units.



*The control panel:
simple, ergonomic and
self-explanatory.*

ZAUGG Snow Ploughs

for airports

ZAUGG SP3000 Airport Snow Plough

The SP3000 is extremely wide with a remarkably simple design and is particularly light. Its transverse profile always adapts itself very accurately to the road surface. The snow dust deflector is designed for clearing at high speeds. The ZAUGG obstacle ride over safety system guarantees clearing speeds of up to 60 km/h.

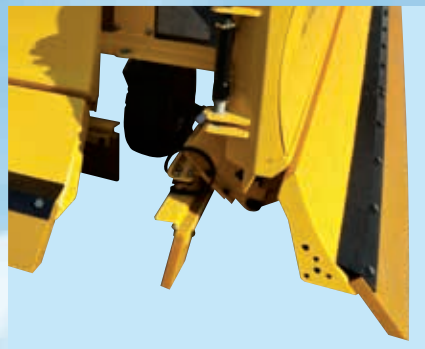


SP3000

The extremely wide SP3000.



Folding sides:
The 7.5 and 8 metres wide versions are also available with folding side blades.



Optional fine finish blade.



ZAUGG obstacle ride over safety system.

Technical Data SP3000

		560	600	750	750C	800C
Safety spring elements	Number	4	4	5	5	5
Plough length	cm	560	600	750	750	800
Element width	cm	140	150	150	150	160
Clearing width at an angle of 35°	cm	458	490	614	614	655
Passage width at an angle of 35°	cm	496	528	642	642	691
Passage width with side blades folded	cm				470	500
Plough height	cm	130	130	130	130	130
Weight complete with support wheels	kg	1 450	1 500	1 650	1 900	1 950

ZAUGG G50K Airport Snow Plough

The G50K is the product of ZAUGG's many years of know-how. The plastic plate and the unconventional closed shape achieve a nice, rolling and efficient flow of snow and optimum ejection. The G50K is mainly used at airports and on motorways and main roads.



The tried-and-tested G50K.



Very well suited for attachment to trucks, wheel loaders and tractors.



Optional hydraulically adjustable side plate.

Technical Data G50K

		400	450	500	550	600
Safety spring elements	Number	4	5	5	5	6
Plough length	cm	400	450	500	550	600
Clearing width at an angle of 35°	cm	328	369	410	450	492
Clearing width at an angle of 45°	cm	283	318	354	389	424
Passage width at an angle of 35°	cm	360	401	442	483	524
Passage width at an angle of 45°	cm	317	353	388	424	459
Plough height	cm	105	105	105	105	105
Weight complete with support wheels	kg	1 250	1 300	1 350	1 400	1 450

ZAUGG SnowShark

Wedge-shaped plough for the rapid and simple clearance of snow around the runway and taxi-way edge lighting at airports and airfields.

Adjustable and with a special plough/brush/blower technology for front or rear attachment to the three point power-lifts of tractors or to the front lifting gear of wheel loaders.

The two swivelling plough blades are equipped with plastic plates and their open, optimum inwardly curved blade shape ensures wide snow ejection. A special cleaning system (brush/blower technology) removes the residual snow from around the lamps.

SnowShark

SnowShark adjustable wedge-shaped plough.



The brush/blower technology. The blower is available as an option.



Simple attachment to tractors and wheel loaders.

Technical Data KPR-300 SnowShark

Clearing width	300 cm
Opening width of the plough	60 cm
Maximum passage height over the lighting	60 cm
Plough height in the centre	80 cm
Plough height at the outside	110 cm
Total weight including blower	1 250 kg
Necessary minimum hydraulic drive power	60 l/min at 180 bar

ZAUGG-Snow Blowers

for airports

SF 90-100

ZAUGG SF 90-100 Snow Blower

The ideal unit for high requirements and the most difficult snow conditions as well as 24-hour service on tractors and municipal implement carriers.

Technical Data SF 90-100

Power requirement	100–200 kW
Cutter Ø	90 cm
Impeller Ø	100 cm
Clearing widths	200/210/230/246/260/270/280/296 cm



SF 90-110 on a municipal implement carrier.

SF 110

ZAUGG Snow Blower SF 110

The SF 110 is specially designed for mounting on large implement carriers with working widths of up to 330 cm.

Technical Data SF 110-100 DS

Power requirement	100–200 kW
Cutter Ø	114 cm
Impeller Ø	100 cm
Clearing widths	230/246/260/270/296/330 cm

Technical Data SF 110-125

Power requirement	180–300 kW
Cutter Ø	114 cm
Impeller Ø	125 cm
Clearing widths	246/270/296/330 cm



SF 110 – Thanks to the revolving impeller housing, the snow can be directly ejected to the left or right.



Optional hinged scraper blade for SF 90-100 and SF 110.

ZAUGG Monobloc Snow Blower unit for wheel loaders

An inexpensive, efficient and autonomous alternative to self-propelled single-purpose snow blowers. The Monobloc snow clearing units are manufactured in three performance classes, in widths of 2.3–3.3 m and with power outputs of 130–420 KW. They can be attached directly or fitted by one person to the quick-mount couplings of the wheel loader with little effort. The articulated steering makes the wheel loader extremely manoeuvrable even in cramped conditions. Chute extensions are available in different lengths for loading the snow onto a truck.

Monobloc



ZAUGG Monobloc MB350 with telescopic chute loading snow onto a truck.



ZAUGG Monobloc MB570.

Technical Data MB350

Engine output	240 kW
Ejection range about	20–40 m
Direct ejection possible	
SF 90-100	Clearing performance about 2300 tonnes/h
Cutter Ø	90 cm
Impeller Ø	100 cm
Clearing widths	246/260/270/296 cm
SF 110-100	Clearing performance about 2600 tonnes/h
Cutter Ø	114 cm
Impeller Ø	100 cm
Clearing widths	246/260/270/296/330 cm

Technical Data MB570

Engine output	420 kW
Ejection range about	32 m
SF 120-125	Clearing performance about 4500 tonnes/h
Cutter Ø	120 cm
Impeller Ø	125 cm
Clearing widths	296/330 cm



ZAUGG control system for Monobloc Snow Blowers

The ZAUGG Monobloc can be conveniently controlled from the driver's cab on the one hand by means of an individually installed monitor screen and on the other hand by means of a freely positioned joystick. The monitor displays various display levels with numerous functions and operating states, depending on the selection. The entire control system is based on the latest version of the CAN-bus technology.

ZAUGG-Rolba

self-propelled snow blowers for airports

Rolba

Snow clearance with Swiss Precision

The ZAUGG Rolba snow blowers are extraordinarily dynamic and resilient thanks to their powerful engines. The well-known and worldwide proven ZAUGG Rolba 2-stage snow blowers are ideally suited to all snow types. The high performance of the snow blowers is based on the generous dimensioning of the units. High engine performances can be converted into impressive clearing performances thanks to the optimum matching of cutter and blower housing.

The hydrostatic infinite reversible traction drive ensures the optimum transmission of power to all four wheels in every working situation. Operation is extremely simple and is completely up to date in conjunction with the intelligent limit load control.

The precisely controllable steering is perfectly matched to the vehicle. The driver selects the optimum method of steering for each application. Due to the simple operation he can switch effortlessly between front axle, rear axle and all-wheel steering as well as crab steering. The good weight distribution in conjunction with the large lifting height of the snow blower unit gives the vehicle an impressive climbing ability.

The torsion-free construction of the chassis in conjunction with the robust axle suspension is the prerequisite for the transmission of maximum thrust. This simple, solid design forms the basis for the well-known Swiss quality and longevity of Rolba snow blowers.

All Rolba models can be equipped in accordance with the needs of the specific application. A wide range of additional equipment is available for this.

- The **compact and agile ZAUGG Rolba R600** is particularly suitable for the clearing of snow in municipalities and on airport aprons. A height-adjustable cab is optionally available for the loading of snow onto trucks.
- The **robust ZAUGG Rolba R1500** was designed for snow clearance on mountain passes and at airports. Due to the optimised weight distribution this machine is particularly well suited for uphill driving on snow!
- The **powerful ZAUGG Rolba R3000** is the ideal tool for clearing snow on motorways and airport runways. The arctic version can also be used at temperatures as low as -50°C .
- The **new ZAUGG Rolba R5000** is a further development based on the predecessor model. ZAUGG has completely reconceived and redesigned the new R5000 and manufactures it at its works in Eggwil/Switzerland. This has been done in the knowledge that a large market demand still exists for snow clearing machines of this size. The new Rolba R5000 from ZAUGG has a drive unit that propels the two axles separately. The driver's cab is mounted on silent blocks directly above the snow blowing unit, ensuring outstanding visibility.



Rolba R600 with ZAUGG snow blower.



Rolba R600 with telescopic ejection chute.



ZAUGG Rolba loading snow onto a truck.



Rolba R3000 in operation at an airport.



ZAUGG Rolba with 2-stage snow blowing system.



ZAUGG Rolba with customer-specific paintwork.



Rolba R3000 with the direct ejection option.



The reconceived Rolba R5000 from ZAUGG.

Technical Data Rolba

	ROLBA 600	ROLBA 1500	ROLBA 3000	ROLBA 5000
	All with 2-stage snow blowing system			
Clearing performance	> 2 600 t/h	> 3 500 t/h	> 5 000 t/h	> 8 000 t/h
Clearing width	2 100 to 2 960 mm	2 500 mm	2 500 mm	3 000 mm
Clearing height in one pass	1 300/1 500 mm	1 500 mm	1 500 mm	1 800 mm
Ejection range	to 40 m	to 40 m	to 50 m	to 34 m
Turning radius	approx. 5.0 m	5.25 m	5.3 m	7 m
Clearing speed	0.3 at 40 km/h	0.3 at 40 km/h	0.3 at 40 km/h	0.3 at 40 km/h
Road speed	45 km/h	50 km/h	50 km/h	60 km/h
Engine output	205 kW	325 kW	420 kW	675 kW
Fuel tank	430 l	500 l	500 l	1 100 l
Weight	approx. 9 800 kg	approx. 10 400 kg	approx. 11 500 kg	approx. 24 000 kg
Drive	Infinite hydrostatic traction and clearing drive	Infinite hydrostatic traction and clearing drive	Infinite hydrostatic traction/clearing drive mechanical	Infinite hydrostatic traction/clearing drive mechanical

Remark Various snow blowing units are available for the R600

ZAUGG - Trailblazing in any snow.

ZAUGG AG EGGIWIL is one of the world's leading companies in the development and manufacture of high-end equipment for the clearance of snow from roads, railways and airports and the preparation of ski slopes.



Technical specifications
are subject to change
without notice.



ZAUGG AG EGGIWIL
Municipal Technology

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