

Options and extras

Tires

20.5 R 25 XHA Michelin
20.5 R 25 RL 2+ Goodyear
20.5-25 SGLD/L-2 Goodyear
20.5-25 PG 6S TL 16 PR Dunlop
555/70 R 25 XHF Michelin
Non-standard tires available on request

Front attachments

Loader bucket 2.0 m³*, earth bucket 2.2 m³*, light-material bucket*, super light-material bucket 3.5 m³, super light-material bucket with clamp, multi-purpose bucket*, fork lift attachment with forks 1200 mm long, front ripper.
Load hook attachable on pallet forks, load hook integrated in quick-attach system, crane jib with rigid arm

* Optionally with bolt-on cutting edge

Quick-attach system

Hydraulically actuated

Operator's stand

Fire extinguisher
Air-cushioned comfort seat with orthopaedic lumbar support, adjustable armrests and headrest
Independent diesel heating with timer
Height and tilt-adjustable steering wheel
Special versions without driver's cab available on request

Diesel engine - Optional equipment

Diesel exhaust cleaner
Catalyst
Alternative fuels available on request

Cab - Optional equipment

FOPS-skylight guard
Sliding window, integrated in right-hand door
Working floodlight, front
Working floodlight, rear
Yellow beacon
Intermittent windshield wiper
Pressurized cab
Air conditioning

Further options

High-speed version (40 km/h)
Biodegradable hydraulic oil, ester-based, VI 68
Electrical tank refilling pump
Bucket ride control
Back-up alarm for reverse travel
Special creep speed versions available on request
Anti-theft device (immobilizer)
Rear axle weights
Hydraulic piping for 3rd control valve on lift frame including quick couplings (required for hydraulically operated attachments)
Pilot-controlled hose-rupture safety valves for lift and tilt cylinders

Further attachments available on request
Subject to change without notice

“Schaeff parallel loader-geometry — it combines the advantages of Z-bar linkage, optimum ripping force and dumping, with those of conventional parallel geometry, i.e. exact parallel action — both with bucket and fork lift attachments.”

Günter Langohr, Head of Design, Wheel Loader Division

SCHAEFF
TEREX 

**SKL 873 SP
WHEEL LOADER**



Operating weight 12.5 – 14.0 t
Engine output 100 kW (136 HP)
Bucket capacities 2.00 – 3.50 m³



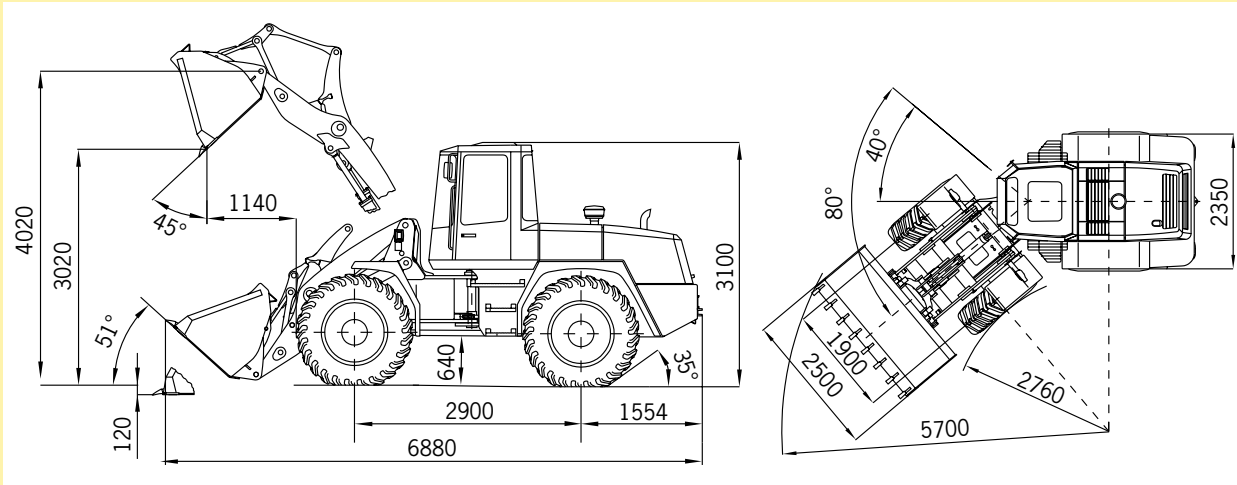
SKL 873 SP – The machine illustrated features non-standard equipment

Technical data

Engine			
Manufacturer		Perkins	
Type	6-cylinder turbocharged diesel engine (EPA)		
Combustion	4-stroke cycle, direct fuel injection		
Displacement		6.0 l	
Power rating in compliance with ISO 9249 (DIN 70020) at 2200 r.p.m.		100 kW/136 HP	
Cooling system		Water	
Electrical system			
Nominal voltage		24 V	
Battery		2 x 12 V / 105 Ah / 450 A	
Power transmission			
Hydrostatic drive in closed circuit with speed ranges to be preselected and electronic shift monitoring. Automatic adjustment of drawbar pull and speed. Infinitely variable speed control forward and reverse.			
4-wheel drive from reduction gear on rear axle via cardan shaft to front axle. 4 speed ranges, electro-hydraulically operated:			
“Low”		0 - 7/0 - 15 km/h	
“High”		0 - 10/0 - 20 km/h	
High-speed version (optional):			
“Low”		0 - 7/0 - 16 km/h	
“High”		0 - 16/0 - 40 km/h	
Axles			
Front: Rigid planetary final drive axle, slip-type differential.			
Rear: Oscillating planetary final drive axle, with integrated reduction gear. Slip-type differential.			
Oscillation		± 8°	
Tires			
Standard		20.5-25 EM 91 TL 12 PR	
Brakes			
Service brake: hydraulically actuated two-circuit power brake system, acting on oil-immersed multi-disc brakes in both differentials.			
Auxiliary brake: Hydrostatic drive provides dynamic braking.			
Parking brake: Spring-loaded brake acting on multi-disc brakes on both axle shafts.			
Steering			
Articulated, fully hydraulic via load-sensing priority valve, quick and easy steering even at engine idle-running speed. End-position damping. Energy-saving emergency steering due to automatic activation of hydraulic accumulators.			
Total steering angle		80°	
Fluid capacities			
Fuel tank		210 l	
Hydraulic oil		170 l	
Hydraulic system			
Max. pump capacity		156 l/min	
Working pressure		250 bar	
Control unit: Axial piston variable displacement pump coupled with a load-independent flow division (LUDV). Float position in “Lower” control circuit, electrically operated. 1 dump and 2 lift cylinders with end position damping. Electrically operated valve for additional control circuit-provided as standard.			
Loader installation			
Loader-arm with “SP-linkage” (“Schaeff-Parallel”), direct attachment of tools.			
General-purpose bucket to ISO 7546		2.0 m ³	
Lift capacity at ground level to ISO 8313		119,000 N	
Breakout force at bucket edge to ISO 8313		113,000 N	
Operating data, standard equipment			
Operating weight to ISO 6016		12,500 kg	
Tipping load, straight to ISO 8313		8400 kg	
Tipping load, articulated to ISO 8313		7400 kg	
Total width		2500 mm	
Turning radius at outside bucket edge, transport position		5700 mm	
Dumping height		3020 mm	
Dumping reach		1140 mm	
Cutting depth		120 mm	
Total height up to cab		3100 mm	
Fork lift attachment			
Payload over the total lift and steering range		4500 kg	
Payload in transport position, approx. 300 mm above ground level, total steering range		5000 kg	
Width of fork carrier		1900 mm	
Length pallet forks (150 x 60 mm)		1200 mm	
Stability factor on level and solid ground		1.25	
Load center from fork attachment point		500 mm	
Payload determined in compliance with DIN 24094 and ISO 8313 respectively.			
Cab			
Removable, rubber-insulated full-vision steel cab, ROPS (to ISO 3471) and FOPS* (to ISO 3449) certified.			
Cab is equipped with two doors, level entry to cab, electric windshield wiper and washer, front and rear, tinted panoramic safety glass, sliding window on left-hand side. Driver’s seat with hydraulic cushioning, lap belt, weight, height and longitudinal adjustments. Hot water cab heating with windshield defroster, front and rear. Tilt-adjustable steering wheel.			
Noise emission ambient L _{WA}		100 dB (A)	
Measured according to EEC-directive 2000/14/EC.			
* FOPS-approved only with skylight guard (optionally)			

Dimensions

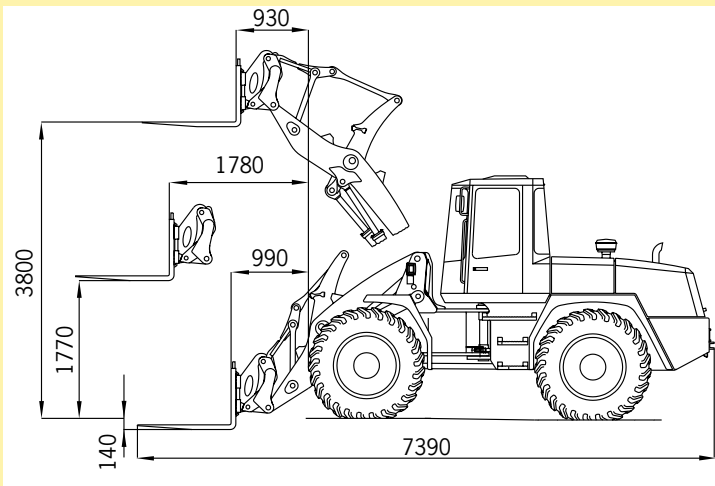
SKL 873 SP General-purpose bucket (All dimensions refer to loader bucket 2.0 m³ and tires 20.5 R 25)



Capacity to ISO 7546:
2.00 m³
direct attachment

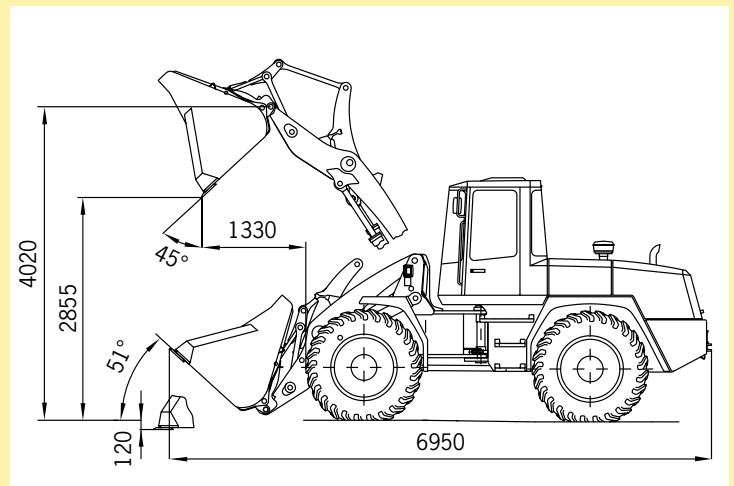
Density of material: 1.8 t/m³

SKL 873 SP Fork lift attachment (Tires 20.5 R 25)



Payload, complete lift range: 4500 kg
Payload, transport position: 5000 kg

SKL 873 SP Light-material bucket 3.5 m³ (Tires 20.5 R 25)



Capacity in compliance with ISO 7546: 3.50 m³
Density of material: 0.8 t/m³

Bucket type

	Capacity m ³	Density of material t/m ³	Width mm	Dump height mm
Loader bucket	2.00	1.8	2500	3020
Earth bucket	2.20	1.6	2500	3000
Light-material bucket	2.80	1.2	2500	2920
Super light-material bucket	3.50	0.8	2800	2855
Multi-purpose bucket	1.70	1.6	2500	3050

Examples material densities:

Granite, sand (damp), gravel (damp): 1.8 t/m³
Earth (damp), sand (dry), gravel (dry): 1.6 t/m³

Coal, slate: 1.2 t/m³
Coke, wood chips (dry): 0.8 t/m³