

 **TEREX | SCHAEFF**

Power and state-of-the-art engineering

## SKL 854 Wheel Loader

Operating weight 6.8 t  
Engine power 61.5 kW (84 HP)  
Bucket capacities 1.20-1.80 m<sup>3</sup>



SKL 854 - The machine illustrated may include non-standard equipment.



# TECHNICAL DATA

## ENGINE

Manufacturer	Perkins 1104C-44
Typ	4-cylinder, diesel engine, COM II/EPA II
Combustion	4-stroke, direct injection
Displacement	4400 cm <sup>3</sup>
Power rating in compliance with ISO 9249 (DIN 70020) at 2200 rpm	61.5 kW (84 HP)
Cooling system	Water

## ELECTRICAL SYSTEM

Operating voltage	12 V
Battery	12 V / 105 Ah / 450 A

## POWER TRANSMISSION

Hydrostatic drive, closed circuit, independent from loader hydraulics. Automatic adjustment of drawbar pull and speed. Hydraulic motor power shift providing two speed ranges. Infinitely variable speed control forward and reverse. 4-wheel drive from reduction gear on rear axle via cardan shaft to front axle. Brake inching pedal.

2 speed ranges:

“Low”	0-6 km/h
“High”	0-20 km/h
High-speed version (Option):	
“Low”	0-6 / 0-19 km/h
“High”	0-11 / 0-36 km/h

## AXLES

Front: Rigid planetary final drive axle with integrated center-mounted drum brake. Slip-type differential.

Rear: Oscillating (with cushioning) planetary final drive axle with integrated reduction gear. Slip-type differential.

Oscillation ± 12 deg.

## TIRES

Standard 405/70 R 20 EM 01 Mitas

## BRAKES

Service brake: hydraulically actuated center-mounted drum brake, acting on all 4 wheels via 4-wheel drive.

Auxiliary brake: Hydrostatic drive provides dynamic braking.

Parking brake: Mechanically operated drum brake on front axle.

## STEERING

Articulated, 2 steering cylinders with final position damping on both sides, fully hydraulic through load-sensing priority valve, quick and easy steering even at engine idle-running speed.

Total steering angle 80 deg.

## FLUID CAPACITIES

Fuel tank	110 l
Hydraulic system (includes tank)	93 l

## HYDRAULIC SYSTEM

Max. pump capacity	76 l/min
Working pressure	250 bar
Control unit: Proportional hydraulic valve with 3 control circuits and high-speed valve for tilting; single, four-way control lever (multi-function lever) for lift and tilt cylinders with integrated travel direction selector switch and switch for additional control circuit. Float position in control circuit “Lowering”, electro-hydraulically operated. Additional control circuit incl. quick couplers and continuous operation function provided as standard.	

## LOADER INSTALLATION

Loader installation with true parallel linkage and integrated mechanical (optionally hydraulic) quick-attach system.

General-purpose bucket to ISO 7546	1.20 m <sup>3</sup>
Lift capacity at ground level to ISO 8313	71,000 N
Ripping force at bucket edge to ISO 8313	59,000 N

## OPERATING DATA, STANDARD EQUIPMENT

Operating weight to ISO 6016	6800 kg
Tipping load, straight to ISO 8313	4900 kg
Tipping load, articulated to ISO 8313	4330 kg
Total length, bucket on ground	5635 mm
Total width	2100 mm
Turning radius outside bucket edge, transport position	4640 mm

## FORK LIFT ATTACHMENT

Payload over the total lift and steering range	2700 (3000*) kg
Payload in transport position, approx. 300 mm above ground level, total steering range	3500* kg
Width of fork carrier	1240 mm
Length pallet forks (140 x 50 mm)	1120 mm
Stability factor on level and solid ground	1.25
Payload determined according to DIN 24 094 / ISO 8313.	

## CAB

Rubber-mounted full-vision steel cab, ROPS (to ISO 3471) and FOPS\*\* (to ISO 3449) certified.

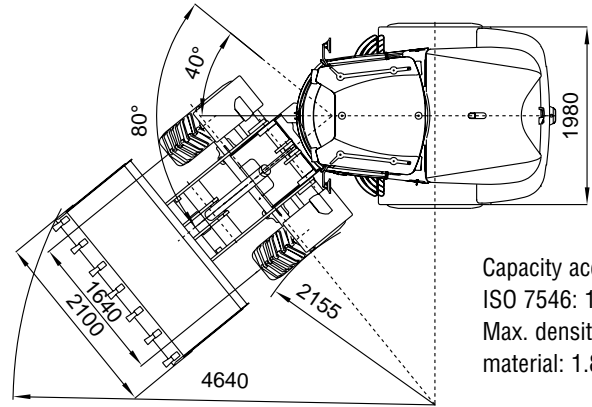
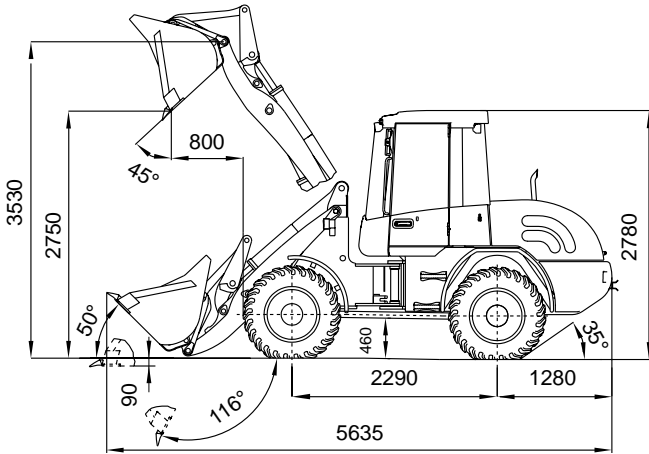
Cab featuring two doors, level entry to cab, easy-to-be-cleaned cab floor; electric windshield wipers and washer, front and rear, tinted panoramic safety glass, sliding window on left-hand side. Driver's seat with hydraulic cushioning and lap belt (to ISO 7096 / ISO 6683), weight-adjustable. Cab heating with 3-setting heater fan (choice fresh air - recirculating air) and windshield defroster, front and rear. Tilt-adjustable steering wheel. Radio and air conditioning pre-installation. 2 front working floodlights. Sound level values correspond to European directives.

\* with rear axle weights

\*\* FOPS-approved only with skylight guard (optionally)

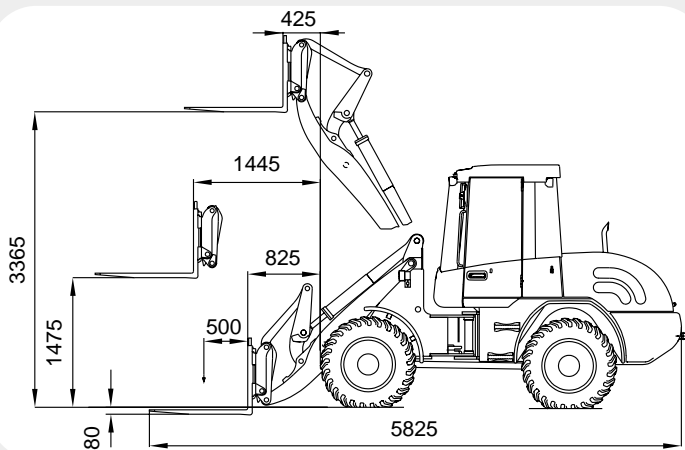
# DIMENSIONS

## SKL 854 GENERAL-PURPOSE BUCKET



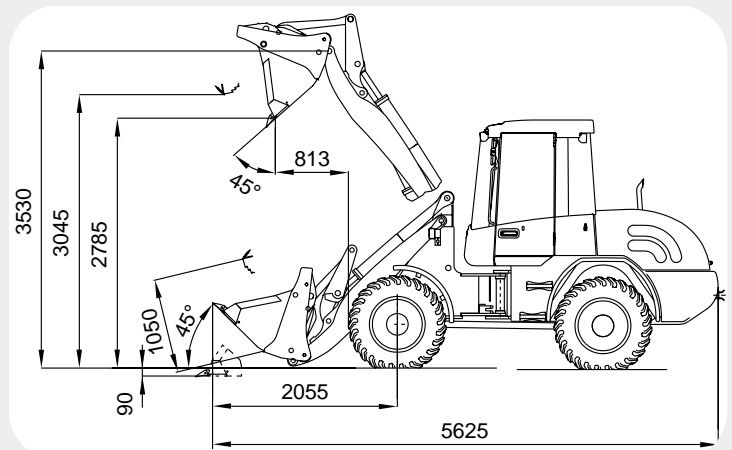
Capacity acc. to  
ISO 7546: 1.20 m<sup>3</sup>  
Max. density of  
material: 1.8 t/m<sup>3</sup>

## SKL 854 FORK LIFT ATTACHMENT



Payload over total lift range: 2700 (3000\*) kg  
Payload in transport position: 3500\* kg  
\* with rear axle weights

## SKL 854 MULTI-PURPOSE BUCKET



Capacity to ISO 7546: 1.05 m<sup>3</sup>  
Max. density of material: 1.6 t/m<sup>3</sup>

## BUCKET TYPE

	Capacity in m <sup>3</sup>	Density of t/m <sup>3</sup>	Width in mm	Dump height mm
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	Capacity in m <sup>3</sup>	Density of t/m <sup>3</sup>	Width in mm	Dump height mm
General-purpose bucket	1.20	1.8	2100	2750
Earth bucket	1.35	1.6	2100	2700
Light-material bucket	1.55	1.2	2100	2610
Super light-material bucket	1.80	0.8	2200	2550
Multi-purpose bucket	1.05	1.6	2100	2785
Side-dump bucket	0.85	1.8	2100	2665
High-tip bucket	1.20	1.2	2100	3970
High-tip bucket	1.80	0.6	2200	4030
Compost bucket	1.20	1.2	2100	2750

## EXAMPLES OF MATERIAL DENSITIES:

Granite, sand (damp), gravel (damp): 1.8 t/m<sup>3</sup>  
Earth (damp), sand (dry), gravel (dry): 1.6 t/m<sup>3</sup>

Coal, slate: 1.2 t/m<sup>3</sup>  
Coke, wood chips (dry): 0.8 t/m<sup>3</sup>

## OPTIONS AND EXTRAS

### TIRES

16/70-20 EM 10 PR E 91-2 Dunlop  
405/70 R 20 XZSL Michelin  
405/70 R 20 SPT 9 Dunlop  
405/70 R 20 MPT E-70 Conti  
425/75 R 20 XM 27 TL Michelin  
Non-standard tires available on request



### FRONT ATTACHMENTS

Fork lift attachment with forks 1120 mm long  
General-purpose bucket \*, earth bucket \*, light-material bucket, side-dump bucket, high-tip bucket, multi-purpose bucket \*, compost bucket  
Load hook attachable on pallet forks  
Load hook integrated in quick-attach system  
Sweeper, snow blade



\* optionally with bolt-on cutting edge

### QUICK-ATTACH SYSTEM

Hydraulically actuated



### OPERATOR'S STAND

Air-cushioned comfort seat with orthopedic lumbar support, adjustable armrests and headrest  
Independent diesel heating with timer  
Height and tilt-adjustable steering wheel  
Fire extinguisher



### DIESEL ENGINE - OPTIONAL EQUIPMENT

Diesel exhaust cleaner  
Catalyst



### CAB - OPTIONAL EQUIPMENT

FOPS-skylight guard  
Right-hand door with sliding window  
Working floodlight, rear  
Yellow beacon  
Pressurized cab  
Air-conditioning



### FURTHER OPTIONS

High-speed travel option (36 km/h)  
Filling with biodegradable hydraulic oil / Ester Base BIO-E-HYD-HEES  
Electrical tank refilling pump  
LSD - ride control system  
Outlet for hydraulic hand-held hammer  
Back-up alarm for reverse travel  
Special crawling speed version available on request  
Anti-theft device, immobilizer  
Rear axle weights  
Quick couplers (Flat-Face) for 3<sup>rd</sup> control circuit on lift frame  
Pilot-controlled hose-rupture safety valves for lift and tilt cylinders



Further attachments available on request  
Subject to change without further notice



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