

850

4-Wheel Steer Manoeuvrability.
Power to Spare Inside Compact Dimensions.
One-Piece Chassis for Superior Stability.

Kramer Wheel Loader 850



kramerALLRAD®

Technical Data Sheet

All data is valid for standard specification loader with standard bucket.

850



Engine

Make	Deutz F4M 2011
Type/design	Oil-cooled, 4-cylinder, 4-stroke, in-line aspirated engine with direct fuel injection
Output	48,5 kW/66 HP @ 2800 rpm 44 kW/60 HP @ 2400 rpm
Max. torque	195 Nm/1700 rpm
Displacement	3110 cm ³
Emission	Tested and certified as per 97/68 EG, emissions standard level 2.



Power Transmission

Drive	Continuously variable hydrostatic axial-piston gearbox. 4-wheel drive. Brake/inching pedal.
Drive speed	0–20 kph 0–30 kph (option)
Axles	Planetary steering axles
Total oscillation angle	22°
Differential lock	Self-locking differentials
Service brake	Hydraulic disc brake
Parking brake	Mechanical disc brake
Standard tyres	12.5 – 20
Wide-base tyres	405/70 R18 (bidirectional)
Optional tyres	375/70 R20 (traction tyres)



Steering and Work Hydraulics.

Mode of function	Hydrostatic all wheel steering
Steering pump	Work pump via priority valve
Steering ram	Double-acting, with automatic synchronisation in final positions
Steering angle	2x40°
Work pump	Gear pump
Flow rate	74 l/min
Pressure	210 bar
Filter	Combined suction reflux filter
Pressure limitation	Primary pressure limitation, secondary pressure in tilt ram/lift ram



Kinematics.

Design	Parallel kinematics
Lifting capacity	40 kN
Tear out force	35 kN
Raise	5,5 sec
Lower	3,7 sec
Tilt in	1,0 sec
Dump out	1,5 sec
tilt in / tilt out angle	50°/45°
Tipping load (stand. bucket)	3200 kg
Tipping load (pallets)	2630 kg
Payload S=1.25 (pallets)	2000 kg
Payload S=1.67 (pallets)	1500 kg
Payload in transport position S=1.25 (pallets)	2350 kg
Scraping depth	60 mm



Capacities

Fuel tank	60 l
Hydraulic oil tank	50 l



Noise emissions

As per 2000/14/EC



Electric System

Operating voltage	12V
Battery	12V/72Ah
Alternator	95 A
Starter	2,3 kW



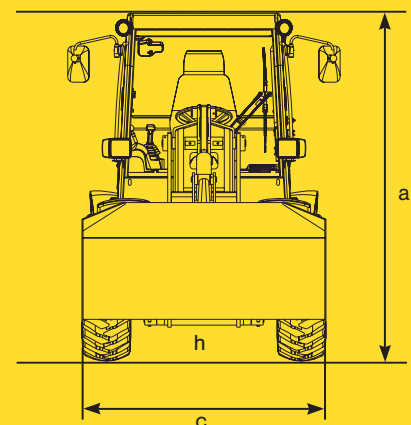
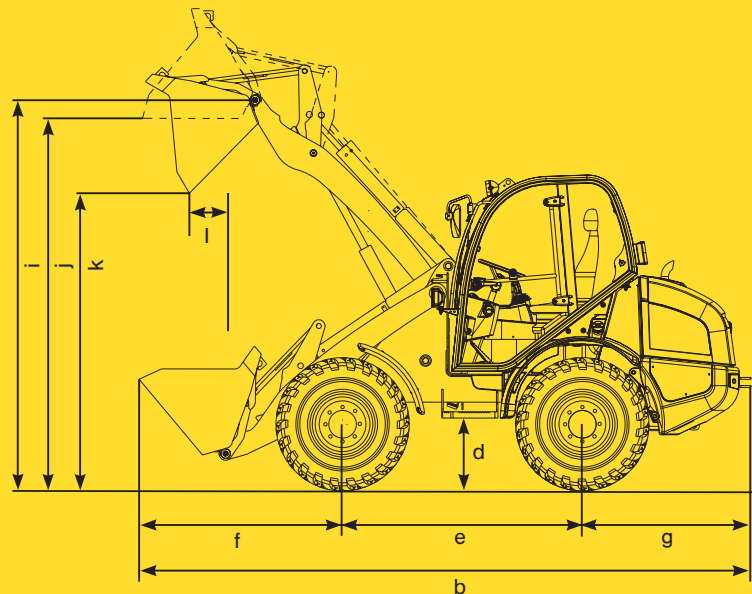
Operational Data

Bucket capacity from – to 0.85 – 1.4 m³

Dimensions (with standard bucket and standard tyres)

a	Height	2510 mm
b	Length	5040 mm
c	Width	1720 mm
d	Ground clearance	300 mm
e	Wheelbase	1920 mm
f	Centre of front axle to tip of teeth	1770 mm
g	Centre of rear axle to end of vehicle	1350 mm
h	Bucket width	1850 mm
i	Pin height	3250 mm
j	Load-over height	3100 mm
k	Dump height	2500 mm
l	Dump reach	700 mm
	Pallet height	3000 mm
	Turning radius	
	Tyres	2550 mm
	Track circle	2350 mm
	Bucket	3450 mm

Weight 4500 kg



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