

UITECO6

All-wheel Drive Sugarcane Slew Loader



BELL

The complete package



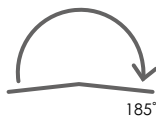
Innovative design and the world's best components work to deliver a built-for-purpose machine, well suited to controlled traffic operations, with the reliability and efficiency customers expect from Bell Equipment.





A new level of comfort

Innovative slewing cab + boom dramatically reduces operator fatigue. Added luxury features and a snug fitting rubber floor mat for easy cleaning.



185° Slew
angle



Radio



Cupholder



Suspension
seat

Maintenance made simple



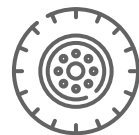
- Safe and convenient ground level servicing and daily checks
- The condenser conveniently slides out of the way for easier cooler cleaning
- Centrally positioned grease points on the boom enable access while keeping both feet on the ground
- Steering, push piler and grab share a common cylinder





Lowest cost per tonne

All-wheel drive delivers better traction in poor underfoot conditions, high travel speed reduces travel time while the infinitely adjustable push-piler is suited to any field condition. Combined they provide unmatched productivity. The 'find centre' feature on the slew automatically returns the crane to its starting position to further aid productivity.



All-wheel
drive system



26 km/h
travel speed

Unrivalled safety

- Slip proof step and handrails/grabs
- 9 x Perfectly positioned LED lights are indispensable for 24-hour operations
- Large rearview mirrors
- Sturdy steel windscreen guard
- Machine mass optimised for stability vs ground pressure - better for soft ground conditions



UltECO6 All-wheel Drive Sugarcane Slew Loader

ENGINE

JCB Diesel Max 444 T2 NA
63 kW (84 HP) @ 2 200 rpm

Peak torque: 320 Nm (236 lb-ft) @ 1 200 rpm

4,4 litre, 4-Cylinder, direct injection

Mechanical engine - equipped with a dry element filtration system with secondary safety element.

Onboard electronic engine protection system

Fuel tank capacity: 100 litres

DRIVE SYSTEM

Hydrostatic drive system

Variable displacement wheel drives

All-wheel drive

Maximum speed of 26 kph (16.2 mph)

Cross-axle difflock

AXLES AND TYRES

Rigid front axle

Oscillating rear axle with steering hubs

Rear axle steer

Tyre size - front	23.1-26
- front alternate	18.4-30
- rear	14.9-24

CRANE & GRAB

Double acting - boom & dipper arm

Boom slew travel: 185°

Grab capacity

Narrow axles: 0.38 m²

Wide axles: 0.42 m²

Grab arrangement - dangle type, fore/aft pivoting.

Push piler - infinitely adjustable tine positioning, hydraulic height adjustment.

HYDRAULIC SYSTEM

Load sensing variable piston pump

Low effort CANbus operator controls

Hydraulic tank capacity: 100 litres

End-of-stroke damping on slew, boom & arm joints.

ELECTRICAL SYSTEM

Single 12 volt battery

Alternator: 14 volt, 95 amp

LED worklights, reverse alarm & hooter

LED tail lights, incorporating indicators and brake light.

BRAKES

Hydrostatic dynamic braking system.

Spring applied, hydraulic release park brake
- two drive wheels

OPERATOR STATION

Superior visibility - operator always faces the load.

Machine systems monitoring and warning indicators.

Ergonomic operator controls
- mini-coordinate joystick (selectable control pattern)

Glazed operator cab

Air-conditioner, HVAC

Radio with FM and bluetooth option

Suspension seat option

DIMENSIONS AND WEIGHT

Narrow axles: 2.1-2.4 m
(18.4x30; 14.9x24 Front wheelset)

Wide axles: 3.0 - 3.4 m
(18.4-30; 14.9x24 Front wheelset)

Ultra-wide: 3.8 m
(23.1x26; 14.9x24 Front wheelset)

Operating weight: 7 159 kg

TRANSPORT DIMENSIONS

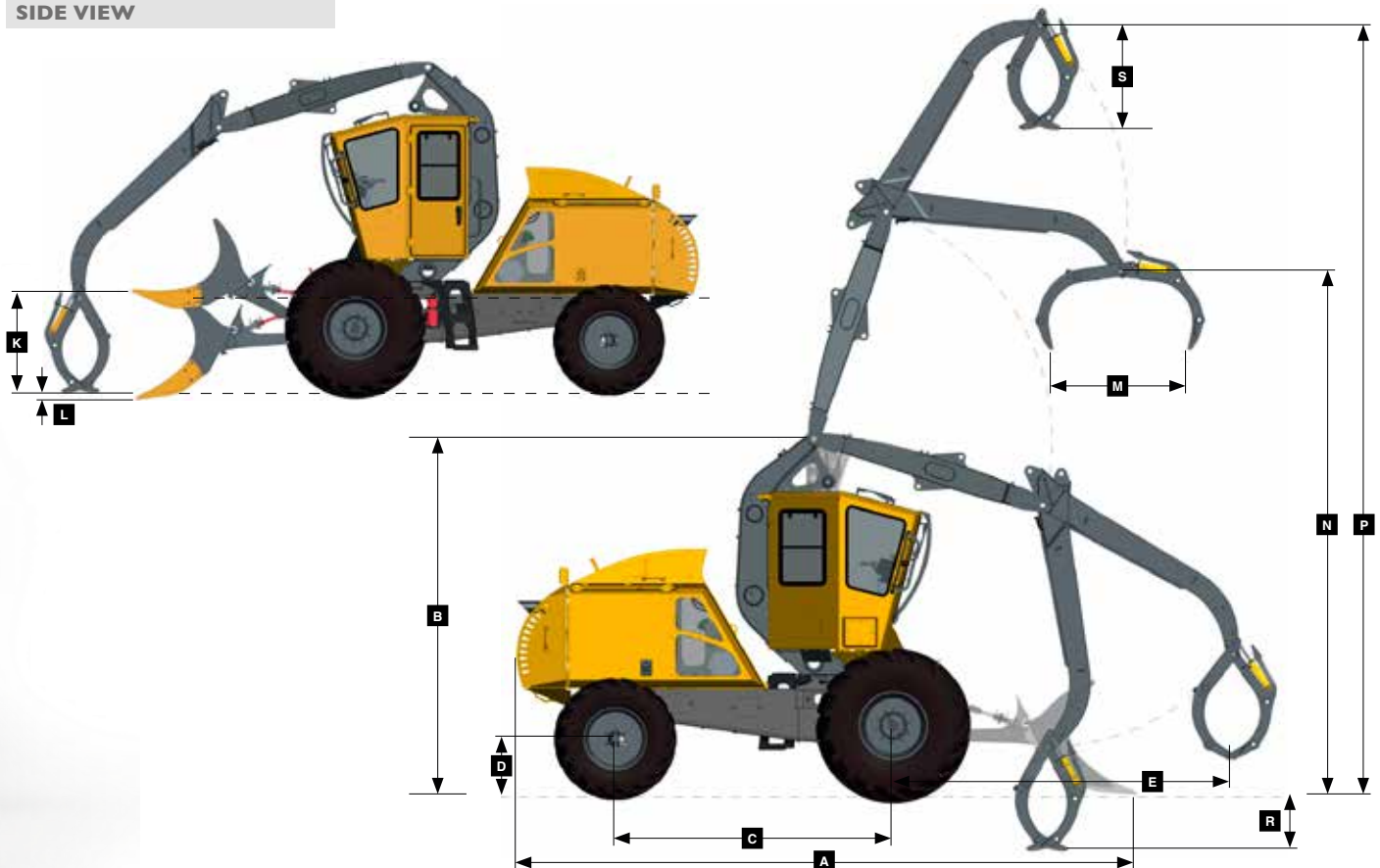
Length: 6 240 mm

Height: 3 600 mm

Width: Varies, according to option choice

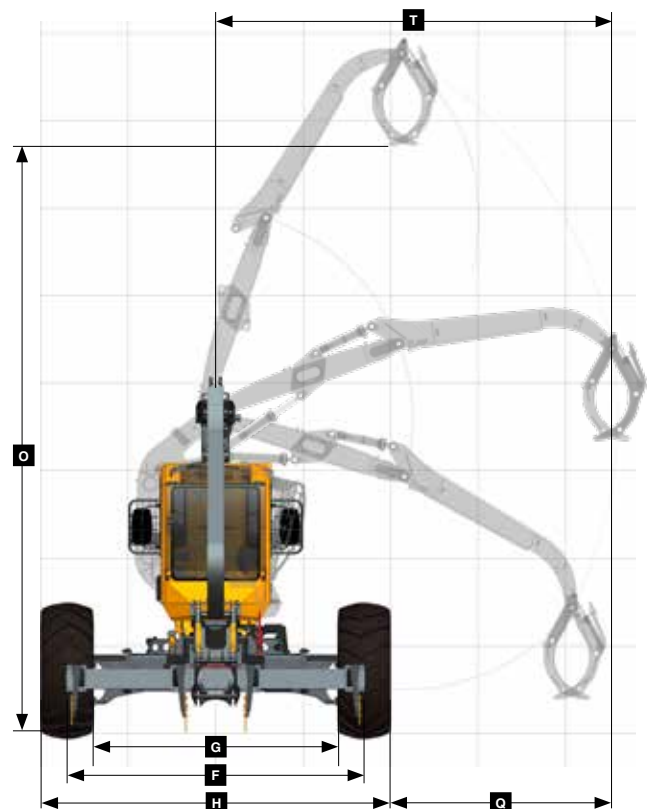
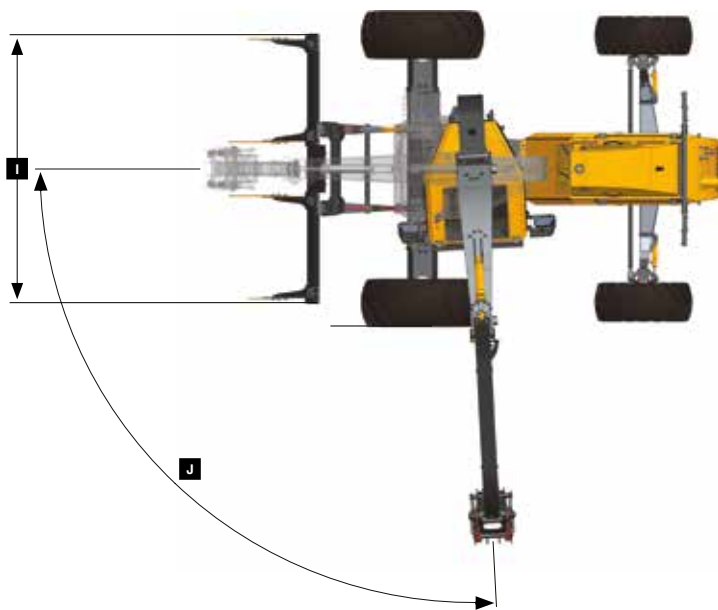
Dimensions

SIDE VIEW



UlteCO6 All-wheel Drive Sugarcane Slew Loader

TOP VIEW



MACHINE DIMENSIONS

A	Length - Transport Position with Arm in	6 237mm
B	Height - Transport Position with Arm in	3 601mm
C	Front Axle Centre to Rear Axle Centre	2 799mm
D	Ground Clearance - Front Axle Box	508mm
E	Reach-Grapple Pivot - Boom Down Position	3 400mm

F	Track Width	Turned inward	Turned outward
F1	Narrow spec wheelset 18.4x30, 14.9x24	2 100mm	2 400mm
F2	Narrow spec alt. wheelset 18.4x30, 14.9x24	2 000mm	2 300mm
F3	Wide spec wheelset 23.1x26, 14.9x24	3 100mm	3 400mm
F4	Wide spec alt. wheelset 18.4x30, 14.9x24	3 100mm	3 400mm
F5	Ultrawide spec wheelset 23.1x26, 14.9x24	3 500mm	3 800mm

G	Inside Tyre Width		
G1	Narrow spec wheelset 18.4x30, 14.9x24	1 640mm	1 940mm
G2	Narrow spec alt. wheelset 18.4x30, 14.9x24	1 540mm	1 840mm
G3	Wide spec wheelset 23.1x26, 14.9x24	2 390mm	2 690mm
G4	Wide spec alt. wheelset 18.4x30, 14.9x24	2 640mm	2 940mm
G5	Ultrawide spec wheelset 23.1x26, 14.9x24	2 890mm	3 190mm

H	Width over Tyres		
H1	Narrow spec wheelset 18.4x30, 14.9x24	2 560mm	2 860mm
H2	Narrow spec alt. wheelset 18.4x30, 14.9x24	2 460mm	2 760mm
H3	Wide spec wheelset 23.1x26, 14.9x24	3 710mm	4 010mm
H4	Wide spec alt. wheelset 18.4x30, 14.9x24	3 560mm	3 860mm
H5	Ultrawide spec wheelset 23.1x26, 14.9x24	4 110mm	4 410mm

I	Piler Beam width	
I1	Narrow spec	2 500mm
I2	Wide spec	3 400mm
I3	Ultrawide spec	3 400mm
J	Slew angle - Left	93°
J1	Slew angle - Right	93°
K	Piler lift height	1 119mm
L	Piler reach - below ground level	76mm
M	Grapple open - 0.38m²	1 248mm
M1	Grapple open - 0.42m²	1 365mm
N	Max reach @ Boom max	5 289mm
O	Load Over Height - 0.38m² Grapple	6 633mm
O1	Load Over Height - 0.42m² Grapple	6 718mm
P	Max reach	7 766mm

Q	Max Reach - Slew 90°	Turned Inward	Turned outward
Q1	Narrow spec - 18.4x30	3 451mm	3 301mm
Q2	Wide spec - 23.1x26	2 678mm	2 526mm
Q3	Wide spec - 18.4x30	2 603mm	2 753mm
Q4	Ultrawide - 23.1x26	2 476mm	2 326mm

R	Maximum Reach - Below Ground 0.38m²	463mm
R1	Maximum Reach - Below Ground 0.42m²	548mm
S	Grapple height 0.38m²	963mm
S1	Grapple height 0.42m²	1 048mm
T	Centre turret to grapple pivot	4 531mm

All dimensions are shown in millimeters, unless otherwise stated between brackets. Under our policy of continuous improvement, we reserve the right to change technical data and design without prior notice. Photographs featured in this brochure may include optional equipment.

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