

B200 4WS *EVOLUTION*

COMPACT
LINE



Power (max) **82 kW – 110 HP**

Operating weight (max) **8 700 kg**

Backhoe digging (max) **6 135 mm**



EVOLVING TECHNOLOGY

Evolution in comfort

High Comfort Total-Vision cab

Perfect visibility is maintained when using the front implement together with the backhoe or while travelling on the road. Excellent internal comfort.

Easy and safe access to the operator compartment through wide side doors and the antiskid steps. Doors can be secured completely open or in intermediate positions to ensure excellent air circulation inside the cab.

Air conditioning system is offered as an option satisfying even the most demanding operator.

All internal linings are easily cleaned scratch-resistant material.



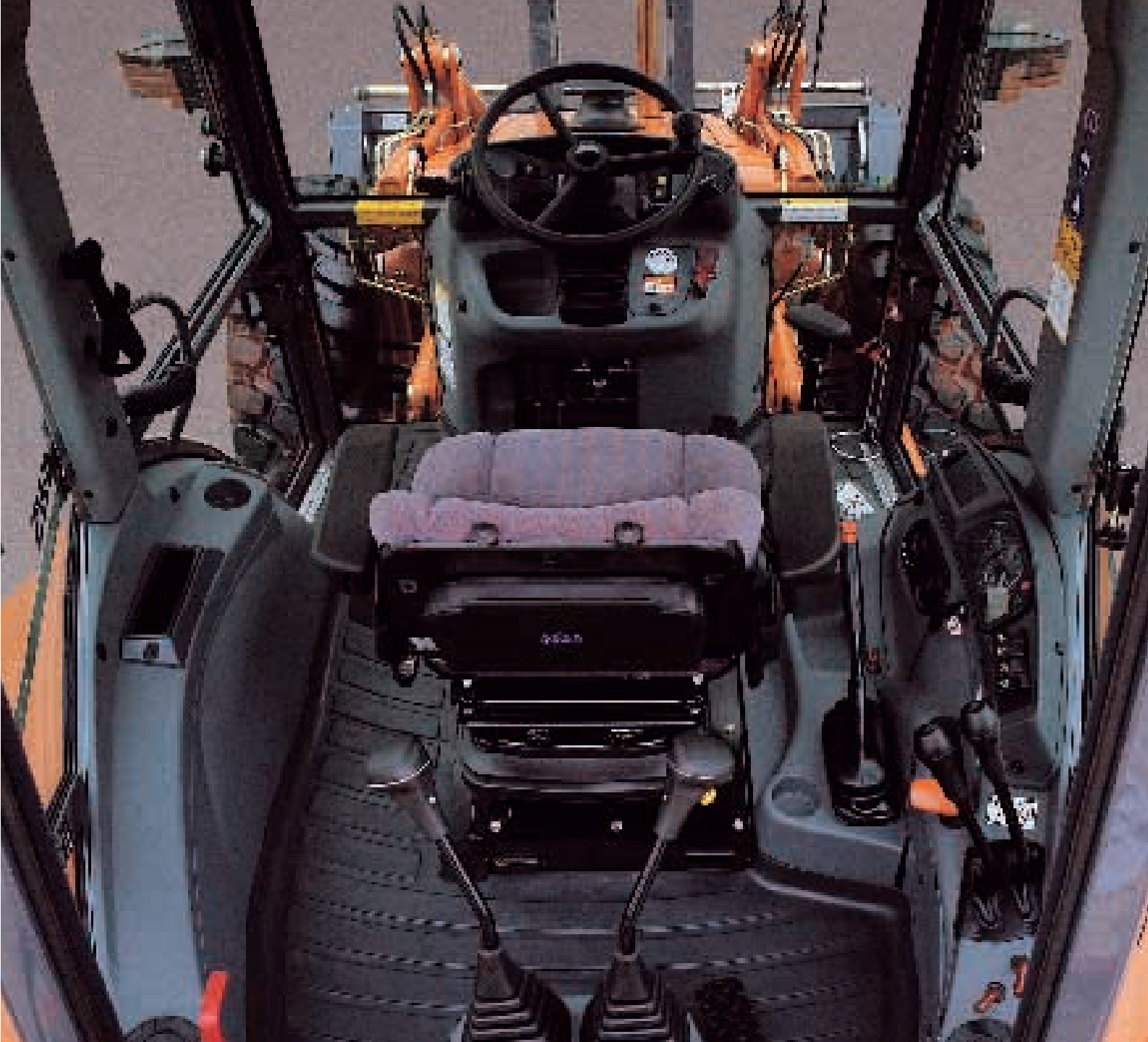
Tiltable Steering Column

Gives the operator a personalised "motorcar" type operating position.



Instrument panel

Located to the operator's right. Completely easy to read both when working with the front implement and the backhoe, it features Italian styling together with state-of-the-art technology.



New oversized external toolbox



Backhoe controls
Standard controls are mechanical
Soft and precise backhoe controls
are positioned ergonomically
to offer maximum
operator comfort and all-round visibility of the
digging area.



**Optional: piloted
"Ergo Control"**

NEW

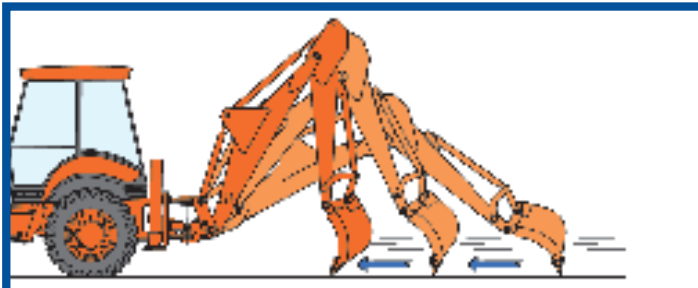
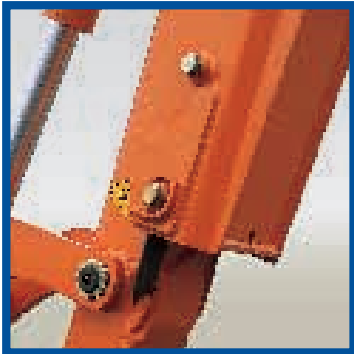
Evolution in performance

Great diggability

High ground level swing of over 6.6 m with the TELEVATOR boom to minimize movements when trenching.
204° of bucket opening angle means reduced material filling/dumping.
External play adjustment and cleaning plates on the extensible boom.

Higher liftability and breakout force backhoe

Three booms available:
standard, extended, televator.



Load Sensing hydraulic system

With Flow Managing System automatic device and the elastically suspended Flow Sharing main hydraulic control valve.

- Totally simultaneous movements
- Fast movements regardless of load applied to each cylinder
- Soft and responsive controls to ensure perfect controllability in any job



Standard locking valves

With a telescopic boom
for maximum operator safety.



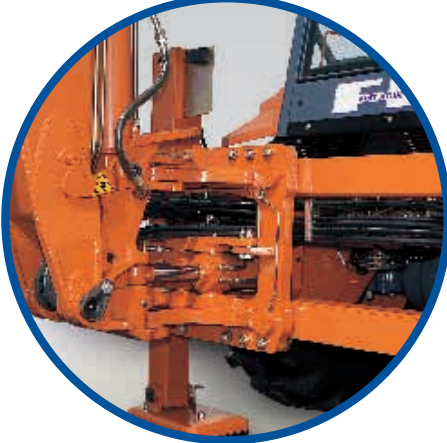
New Piloted “ERGO CONTROLS”

ERGO CONTROLS have been developed to offer operators an extremely comfortable working environment, as demonstrated on our latest generation excavators. The new system guarantees personalised working positions. Manipulator position adapts to any need with **longitudinal and lateral adjustments**. Two tiltable and vertically adjustable wrist rests ensure movement precision while the new ERGO CONTROL minimises operator physical effort. With its ERGO CONTROLS, FK backhoe loaders sets a new standard for the whole market.



Stabiliser play take-up with Unisystem angular adjustment

The only solution available on the market that allows easy and fast recovery of proper axial play for increased operating stability and noise reduction when travelling.



Advanced hydraulic piping layout on the backhoe

for maximum operating reliability. High pressure and slipping resistance Bruiser type backhoe flex hoses. Rigid piping for connection to the main hydraulic control valve. Front seal hydraulic connections for total elimination of oil leaks.



Evolution in performance

Engine CNH Tier 2

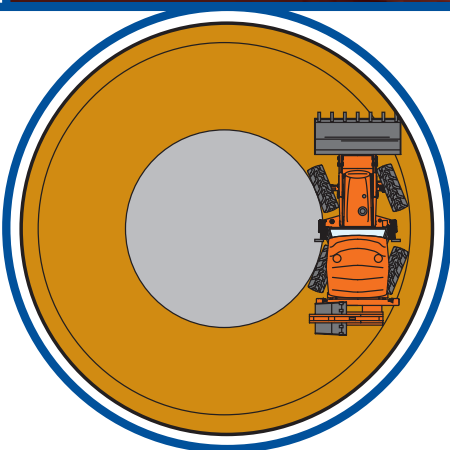
Top of its class, new generation 110 HP / 82 kW emissioned turbointercooler diesel. Delivering high performance with both front implement and backhoe - and when travelling.

An engine capable of guaranteeing high torque (480 Nm) at low rpm and reduced fuel consumption. Standard cyclone type air pre-filter and the transparent fuel sedimentation purge tap filter also ensure reliability.

An alarm immediately advises the operator of low lube oil pressure or irregular coolant temperature.



Quick disconnect PTOs



4-wheel steering with crab-type movement

Reduced (4.34 m from wheel outside) steering radius for easy movements in cramped areas and roads.

Crab-type movements mean the operator can approach and move away from the working area without complicated manoeuvres.



Steering Selector

Offers selection of three steering modes:

- 1 steering axle
- 2 steering axles
- crab steering

Warning lights display the steering mode selected on the on-board monitors. Wheel alignment electronic sensors.



Standard battery cut-off switch

“Kick-Down” device

Allows immediate shifting from second to first gear forward and is actuated by a push button located on the transmission control lever, instantaneously increasing wheel traction. The transmission returns automatically to second gear in reverse changes.



**“Full PowerShift”
electronic transmission**

for top front loader digging performance. A vanguard transmission for an advanced machine.
Maximum traction force 7000 daN.



Automatic or manual transmission control

This electronic modulation system guarantees soft and precise direction and speed changes. The transmission control circuit is provided with a self-diagnosis system which is activated when the engine ignition key is switched on.

Evolution in performance

Parallelogram "High-Lift" boom linkage

Linkage design gives you outstanding load height and parallel bucket raise/lower function from ground level to maximum height. Bucket automatically returns to the digging position during lower phase.

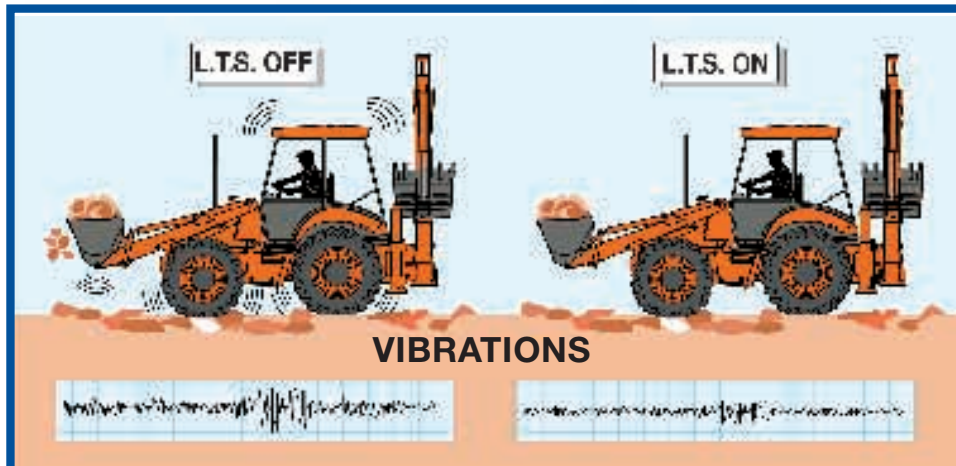
All these features increase the versatility of the new FIAT KOBELCO B200 4WS backhoe loader.



L.T.S. electronic pitch control device. The Load Travel Stabilizer is supplied as optional equipment.

It is vital when hauling loose material over rough terrain, and during travel, pitching is damped and reduced by a nitrogen accumulator connected to the lift cylinders.

The operator can then work and travel faster. **In essence, more production and greater comfort.**



Bucket implement, single lever control

With integrated, easy and precise control of supplementary hydraulic function, comes as standard equipment.

Seat includes armrests for increased operator comfort.

Specifications



Engine - Tier 2

Maximum power (ISO TR 14396)110 hp / 82 kW
 Net flywheel power (ISO 14396)108 hp / 80 kW
 Make and modelCNH - 4.5 - F4GEO484G
 Typeturbocharged-intercooler,
direct injection, 4 cycle Diesel
 Cylinders4
 Bore x stroke104 x 132 mm
 Displacement 4 485 cm³
 Governed2 200 rpm
 Maximum torque at 1400 rpm 480 Nm
 Forced lubrication with gear type pump.
 Standard electronic anti-theft device.



Electrical system

Voltage12 V
 Maintenance free battery1
 - rating (900 CCA)95 Ah
 Starter2.7 kW
 Alternator90 A



Torque converter

Typesingle stage, single phase
 Torque multiplication2.31:1



Transmission

4F + 2 R Full PowerShift.
 Lever operated electronic control.
Manual or **automatic** speed selection.
 Speed and direction inversion **microprocessor monitored electronic modulation**.
"Kick-Down" device for fast shifting from first to second gear in digging, with automatic return to second gear when reversing.

Speed in kph	Forward	Reverse
1 st	6.2	7.5
2 nd	11.8	14.0
3 rd	23.4	-
4 th	41.4	-

(with 16.9 x 28 tyres)
 Safety:
 - consent to travel/work mode by rotating the control lever.
 - automatic return to neutral when the units stops for over 3 seconds.



Axles

Rigid steering type rear axle, complete with bevel gears and epicyclic reduction gears. Oil bath brakes.
 Self-locking differential, on request.
 Oscillating and steering type front axle, complete with bevel gears and epicyclic reduction gears.
 Self-locking differential.
 Oscillation16°
 Wheel base2 200 mm
 Electrical-hydraulic type double traction cut-in/cut-out actuated hydraulically with a push button in the cab. Automatic 4WD cut-out in 3rd and 4th gear.



Brakes

Disk type hydraulically controlled oil bath service brakes.
 Disk diameter203 mm
 Total braking area2 878 cm²
 Disk type parking brake acting on the transmission with mechanical lever control.



Tyres

Front and rear, on request16.9 x 24 (12 PR)
 Front and rear16.9 x 28 (12 PR)



Steering

Type: load sensing with priority valve powered by one of the two pumps.
 Steering is possible with the engine cut out.
 Tiltable steering column.
 Gear type steering pump:
 delivery80 lit/min
 max. operating pressure180 bar
 Three steering systems: 2 wheel steering, 4 wheel steering, crab steering.

Steering radius

with tyres:		16.9 x 24	16.9 x 28
- external front wheels	mm	4 340	4 525
- external bucket	mm	5 210	5 325



Hydraulic system

"Load Sensing" with double hydraulic pump and **"pressure compensated"** hydraulic control valve with **F.M.S. Flow Managing System** device.
 Absolutely simultaneous and homogeneous movements whatever the application load and engine rpm.
 Delivery160 l/min
 Maximum operating pressure210 bar
 Front seal O-rings.
Front loader.
 Single lever control with float position stop.
 Tool control single lever safety lock device in neutral position.
 Optional L.T.S. anti-pitching device
Backhoe.
 Typeside shift
 Boom and swing control with two crossed path levers.
 Independent stabilisers actuated by two levers.
 Standard controlsmechanical
 Optionalpiloted

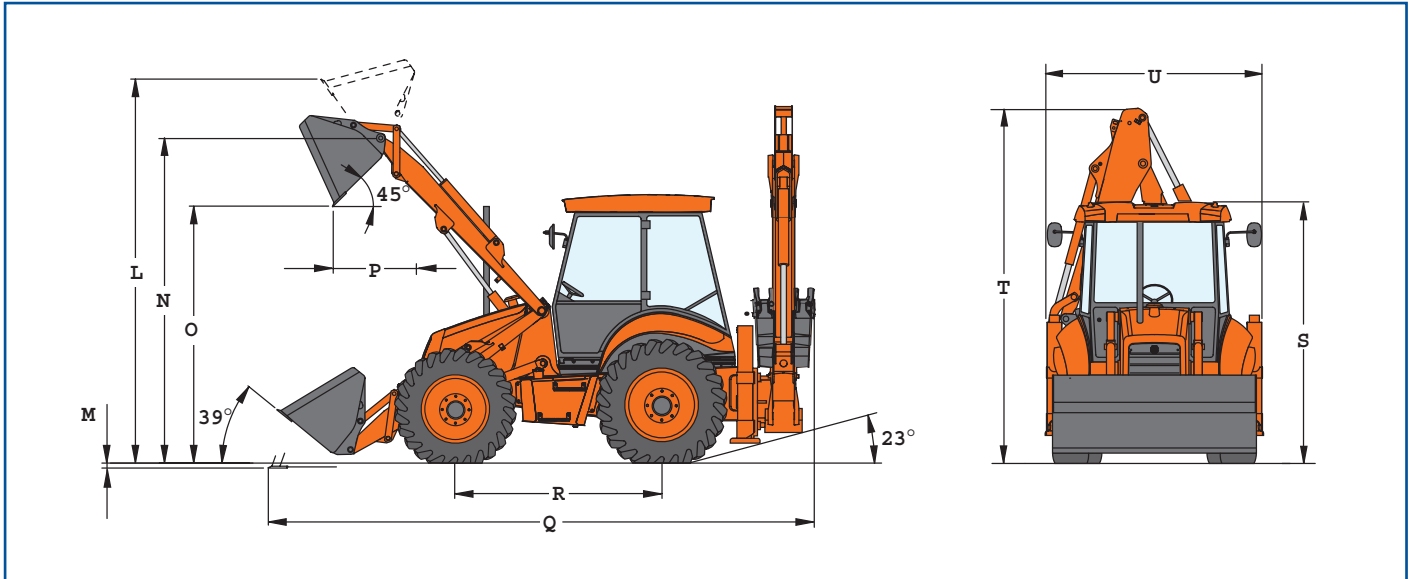


Capacities

Enginelitres
 Lube oil12.8
 Coolant24
 Fuel135
Trasmission
 Gear box18
 Rear axle10
 Front axle10
Hydraulic system118

Loader

Performance - Dimensions (mm)



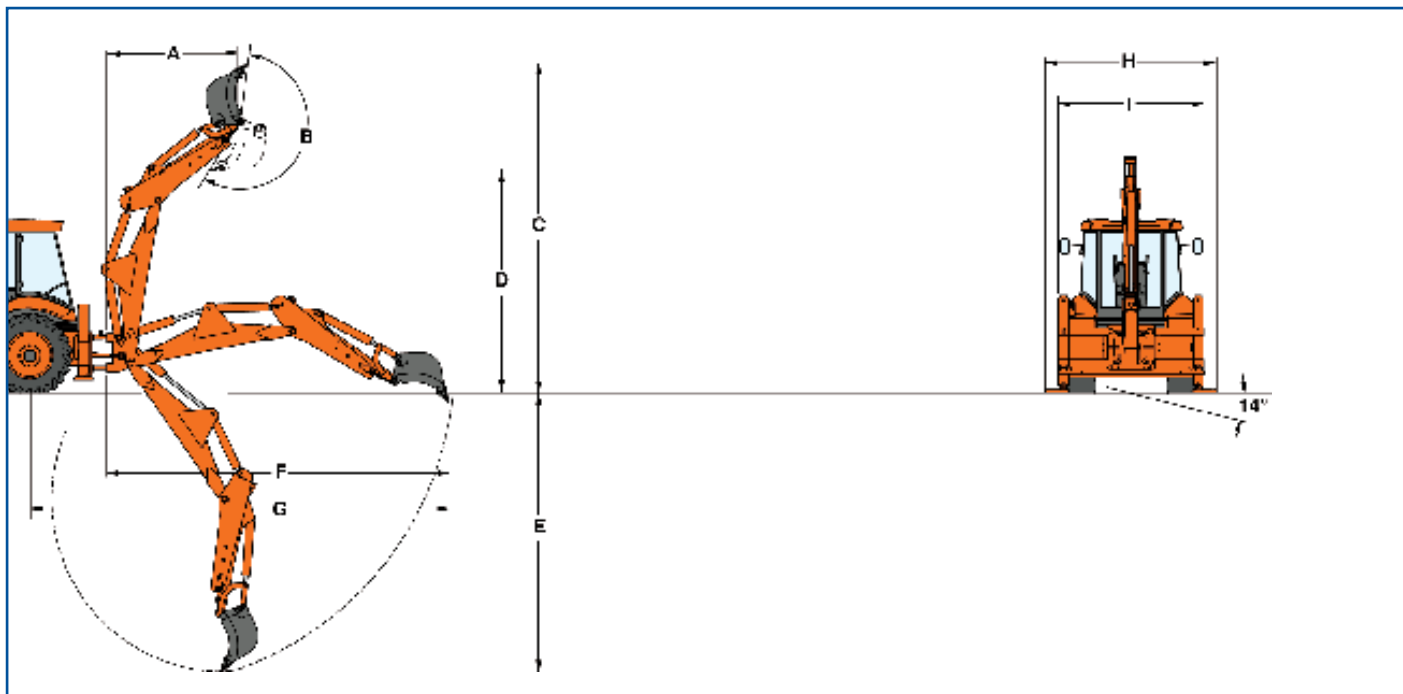
With tyres		16.9 x 24	16.9 x 28
L) Bucket at max. height	mm	4 250	4 300
M) Digging depth	mm	134	84
N) Hinge pin height	mm	3 430	3 480
O) Dump height	mm	2 690	2 740
P) Reach at max. height	mm	812	762
Q) Max. transport length with bucket on ground	mm	6 030	6 030
R) Wheel base	mm	2 200	2 200
S) Cab height	mm	2 850	2 900
T) Transport height	mm	3 930	3 980
U) Transport width	mm	2 480	2 480
Breakout force	kg	7 400	7 400
Lifting capacity at top height	kg	3 500	3 500

Loader buckets

Type		HD standard	All-purpose	With log forks
Capacity	m ³	1.2	1.2	1.2
Width	mm	2 400	2 400	2 400
Weight with teeth	kg	460	695	840

Backhoe

Performance - Dimensions (mm)



Backhoe type with tyres		Standard		Televator (extended)	
		16.9 x 24	16.9 x 28	16.9 x 24	16.9 x 28
A) Bucket pin distance at top height	mm	2 360	2360	3 320	3320
B) Bucket rotation angle:					
Speed hole		204°	204°	204°	204°
Power hole		160°	160°	160°	160°
C) Max. cutting height	mm	5 735	5 790	6 410	6 470
D) Max. dump height	mm	3 925	3 980	4 500	4 560
E) Digging depth (SAE)	mm	4 650	4 644	5 820	5 760
Max. digging depth	mm	4 985	4 979	6 135	6 075
F) Reach from swing center	mm	5 880	5 880	6 950	6 950
G) Reach from rear axle	mm	7 200	7 200	8 260	8 260
H) Width at stabilizers (work)	mm	2 790	2 790	2 790	2 790
I) Width at stabilizers (transport)	mm	2 280	2 280	2 280	2 280
Breakout force:					
bucket cylinder	kg	6 400	6 400	6 400	6 400
dipper stick	kg	4 260	4 260	3 200	3 200
Lifting capacity inside					
dipper stick reach (ISO)	kg	2 285	2 285	1 525	1 525
Lifting capacity with dipper stick at 3.66 m					
from ground level (ISO)	kg	2 230	2 230	1 350	1 350
Operating weight (with 4 in 1 bucket)	kg	8 200	8 200	8 700	8 700

Backhoes

Struck capacity SAE J 296	Width	Weight
litres	mm	kg
76	305	108
109	457	130
153	610	160
196	762	180
238	914	208

At your dealership

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