

CASE

Skid Steers

Engine power : 30 hp to 60 hp (22.2 to 44.7 kW)

Bucket capacity : from 0.18 to 0.89 m³

Operating load : 400 kg to 792 kg



1825_B - 1840 - 1845_C

C O M M I T T E D T O Y O U R N E E D S



ENGINE

	1825 B	1840	1845 C
Make and model	KUBOTA V 1505 B	CASE 4-390	CASE 4-390
Type	Diesel	Diesel	Diesel
Power SAE (J1349)	30 hp. 22.2 kW at 2400 rpm.	54 hp. 40 kW at 2000 rpm.	60 hp. 44.7 kW at 2000 rpm.
Power DIN 6271	27 hp. 20.0 kW at 2400 rpm.	50 hp. 37 kW at 2000 rpm.	56,3 hp. 42 kW at 2000 rpm.
Power ECE 80/1269	27 hp. 20.0 kW at 2400 rpm.	50 hp. 37 kW at 2000 rpm.	56,3 hp. 42 kW at 2000 rpm.
Power ISO 9249	27 hp. 20.0 kW at 2400 rpm.	50 hp. 37 kW at 2000 rpm.	56,3 hp. 42 kW at 2000 rpm.
Max. torque DIN 6271	91 Nm at 2100 rpm.	235 Nm at 1200 rpm.	240 Nm at 1300 rpm.
Displacement	1498 cm ³	3917 cm ³	3917 cm ³
Number of cylinders	4	4	4
Bore and stroke	78 x 78 mm	102 x 120 mm	102 x 120 mm
Compression ratio	22 : 1	19.1 : 1	19.1 : 1
Injection system	indirect	direct	direct
Air filter (Dry type)	1 element	2 elements	2 elements
Oil filter	Filter restriction indicator on instrument panel Spin on cartridge, total flow type		



ELECTRIC SYSTEM

System voltage	12 v	12 v	12 v
Battery	1 x 12 v	1 x 12 v	1 x 12 v
Cold cranking capacity	350 Amps at -18°C	650 Amps at -18°C	650 Amps at -18°C
Alternator	30 Amps	65 Amps	65 Amps
Instrument panels	Full visibility panels located above the driver Visual and audible indicators and warnings check the machine's functions at all times		



TRANSMISSION

Type	Hydrostatic. Four wheel drive - Chain driven Independent drive system on each side of machine		
Hydraulic system	Pump double body variable displacement pump plus charge pump Two motors variable displacement type Filter 6 micron capacity, interchangeable with restriction indicator on instrument panel (Filter is common with loader hydraulic system)		
Travel speed	FW	8.70 kph	9.90 kph
(With engine at full RPM)	RV	8.70 kph	9.70 kph



TYRES

Industrial	Dimensions	-	-	6.50 x 16 (Solid tyres)
	Width over tyres	-	-	1.52 m
Earthmoving	Dimensions	27 - 8.50 x 15 (4 PR)	10.00 x 16.5 (8 PR)	12.00 x 16.5 (8 PR)
	Width over tyres	1.20 m	1.52 m	1.82 m



BRAKES

Hydrostatic service brake	As soon as travel levers are returned to neutral position the hydrostatic system ensures automatic braking of the 4 drive wheels
Parking and working brakes	The multi-disc wet parking brake is automatically applied when the seat safety bars are raised or the park brake switch is energised



STEERING

	1825 B	1840	1845 C
Type	Independent - 360° counter rotation steering controlled by two independent, power assisted levers		



LOADER HYDRAULIC SYSTEM

Pump - Flow	36.3 l/mn at 2400 rpm at 156 bar	Gear type 58 l/mn at 2000 rpm at 156 bar	60.6 l/mn at 2100 rpm at 156 bar
Valve block - Left lever (loader arm) - Right lever (bucket)	Open centre, two spool actuated by the hand control levers Raise, lower and float position detent Bucket roll-back and tip		
Operating pressure	156 bar	156 bar	156 bar
Cylinders - Arm (2) Ø x stroke - Bucket (2) Ø x stroke	double acting 51 mm x 686 mm 51 mm x 333 mm	double acting 64 mm x 679 mm 64 mm x 403 mm	double acting 64 mm x 749 mm 64 mm x 540 mm
Filtration	Common with transmission hydraulic circuit		



CAPACITIES

Fuel tank	32.2 l	74.0 l	81.0 l
Hydraulic Reservoir(with filtre)	21.8 l	40.0 l	32.0 l
Chain compartment	2 x 2.8 l	2 x 5.7 l	2 x 5.7 l
Diesel engine (with filter)	6.0 l	10.4 l	10.4 l
Cooling system	6.3 l	17.0 l	17.0 l



LOADER PERFORMANCE

Tipping load (SAE)	800 kg	1260 kg	1585 kg
Rated operating load	400 kg	630 kg	792 kg
Breakout force	At bucket cylinders 800 daN	1388 daN	2128 daN
	At lift cylinders 770 daN	1256 daN	1565 daN



CYCLE TIMES

Raising (full bucket)	4.1 secs.	4.7 secs.	4.3 secs.
Lowering (empty bucket)	2.5 secs.	2.5 secs.	2.9 secs.
Dumping	1.6 secs.	2.3 secs.	2.0 secs.

EASY ACCESS TO MAJOR COMPONENTS



The tipping ROPS (1825B) or sliding ROPS (1840/1845C) gives quick and easy access to the engine and transmission components.

MANUAL QUICK COUPLER



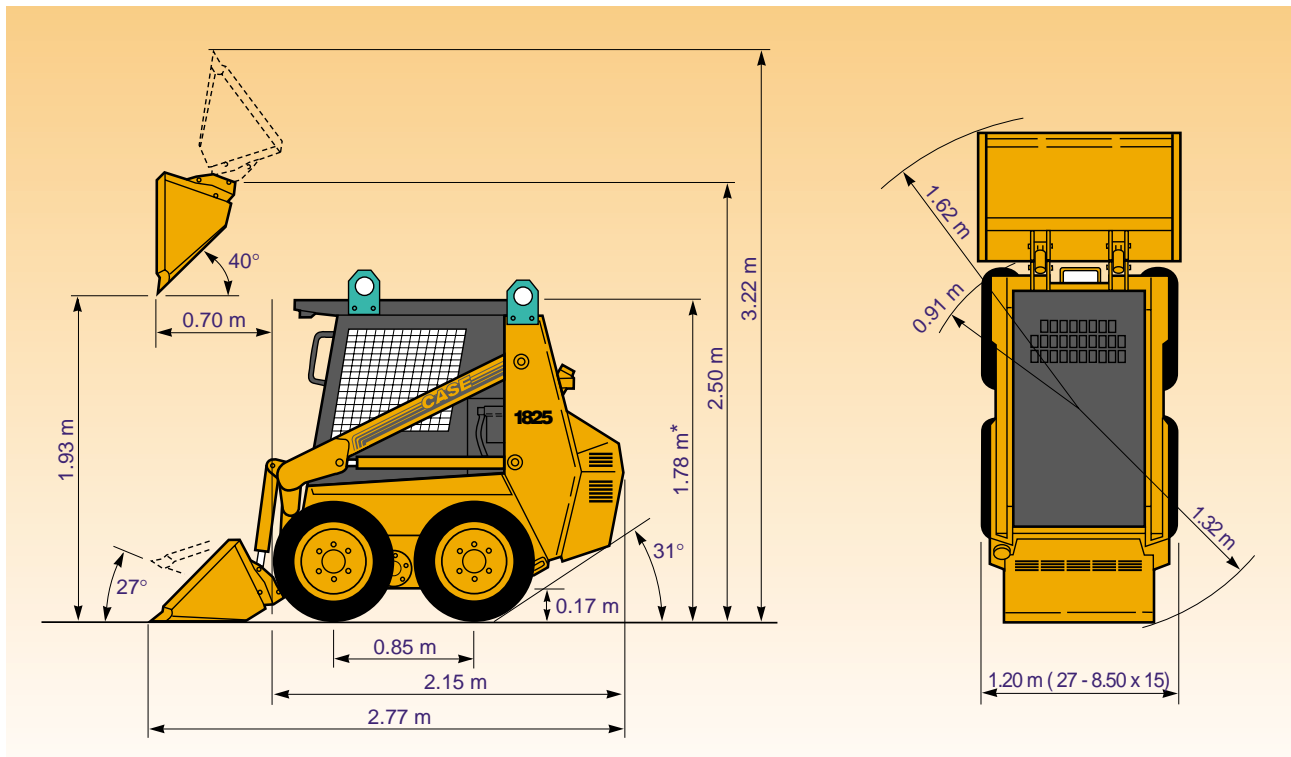
The standard manual quick coupler means you can change tools in a few seconds.

LOCKOUT SERVICEABILITY SYSTEM



Comfortable safety bar actuates hydraulic lockout and engages the parking brake for safe serviceability.

SPECIFICATIONS 1825 B



* Height without lifting eyes (removable)

OPERATING WEIGHT : 1465 kg (with full fuel tank, operator, 1.24 m bucket and 27 - 8.5 x 15 tyres)

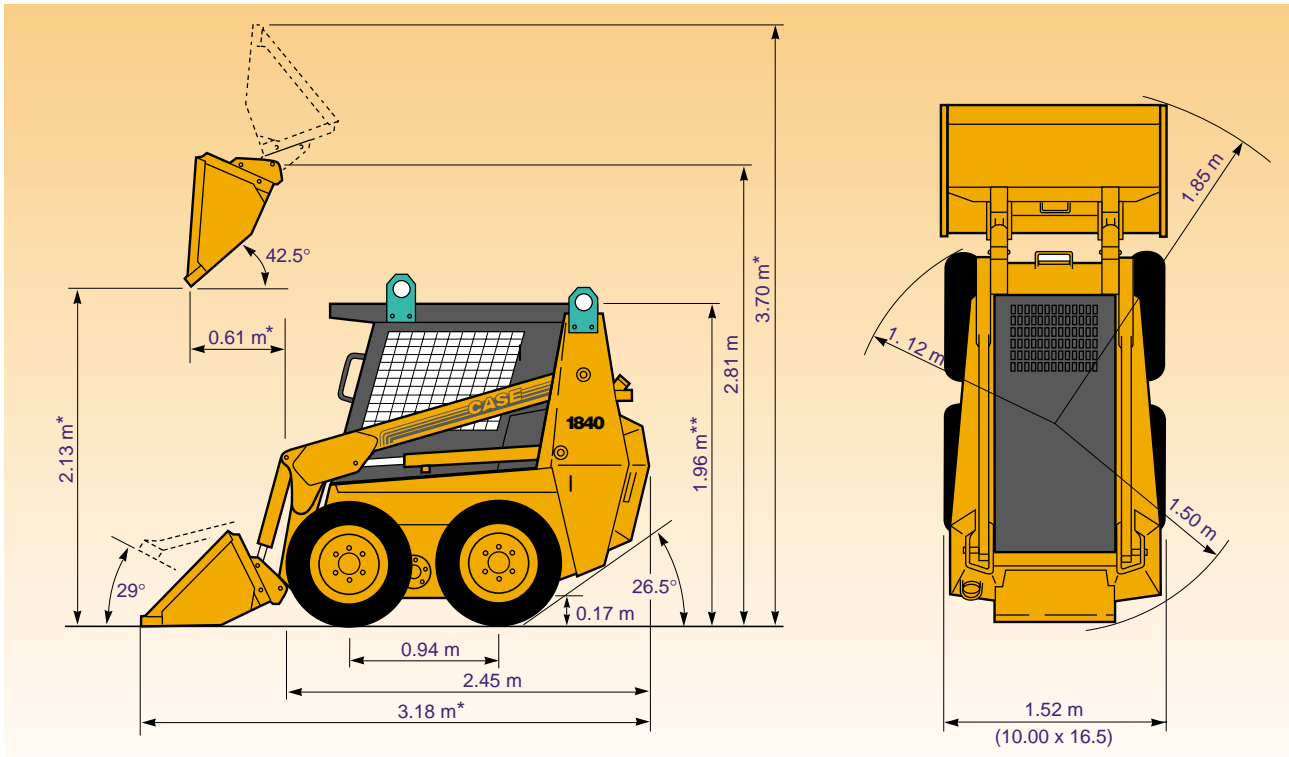
BUCKETS

TYPE	WIDTH	CAPACITY (SAE)	CAPACITY STRUCK	WEIGHT	DUMP HEIGHT	DUMP REACH	DUMP ANGLE	OVERAL LENGTH
	m	m ³	m ³	kg	m	m	degrees	m
REHANDLING	1.24	0.20	0.15	66	1.93	0.70	40	2.77
4 in 1	1.24	0.21	0.16	166	1.93	0.70	40	2.77

OTHER TOOLS AVAILABLE

- 4 in 1 bucket
- Rubble bucket (open-work)
- Dirt bucket
- High dump bucket
- Pavement kerb grab
- Side dump bucket
- Low auger
- Add-on Backhoe
- Sweeping bucket
- Utility bucket
- Hammer
- Vibrating compaction plate
- Stanley hydraulic tools
- Mechanical offset Lowe trencher
- Dozer blade
- Pallet forks
- Industrial grab
- Timber grab
- Potato and sugar beet bucket
- Concrete bucket
- Barrel grab
- Grapple bucket
- Light material bucket
- Cattle feed bucket
- Compost grab
- Manure bucket with grapple
- Cleaning bucket (fertilizer)
- Rake
- Bale fork
- Etc...

SPECIFICATIONS 1840



- * With dirt and rehandling bucket
- ** Height without lifting eyes (removable)

OPERATING WEIGHT : 2526 kg (with full fuel tank, operator, 1.60 m bucket and 10 x 16,5 tyres)

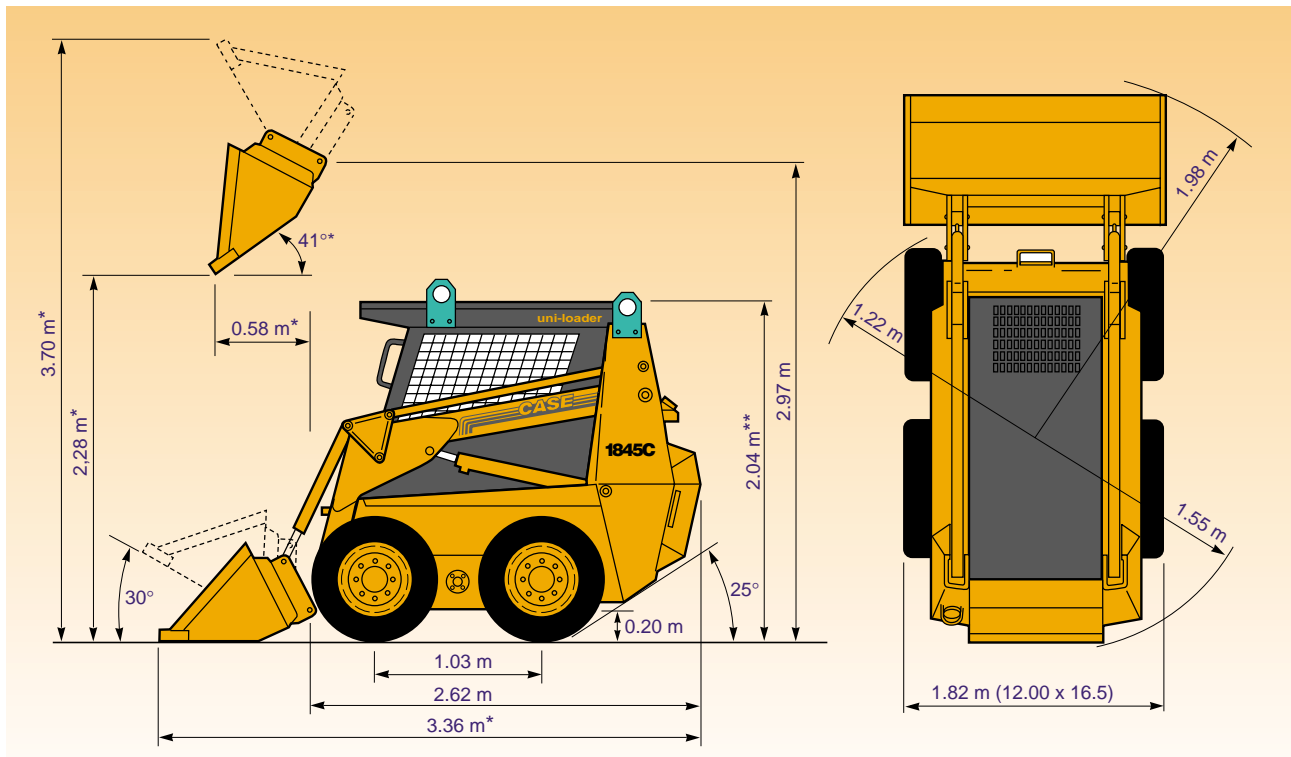
BUCKETS

TYPE	WIDTH	CAPACITY (SAE)	CAPACITY STRUCK	WEIGHT	DUMP HEIGHT	DUMP REACH	DUMP ANGLE	OVERALL LENGTH
	m	m ³	m ³	kg	m	m	degrees	m
DIRT	1.60	0.33	0.26	145	2.13	0.61	40	3.18
REHANDLING	1.60	0.56	0.45	181	2.04	0.80	37	3.34
Light material	1.86	0.65	0.52	197	2.04	0.80	37	3.34
4 in 1	1.50	0.35	0.23	260	2.18	0.63	40	3.34

OTHER TOOLS AVAILABLE

- 4 in 1 bucket
- Rubble bucket (open-work)
- Dirt bucket
- High dump bucket
- Pavement kerb grab
- Side dump bucket
- Lowe auger
- Add-on Backhoe
- Sweeping bucket
- Utility bucket
- Hammer
- Vibrating compaction plate
- Stanley hydraulic tools
- Mechanical offset Lowe trencher
- Dozer blade
- Pallet forks
- Industrial grab
- Timber grab
- Potato and sugar beet bucket
- Concrete bucket
- Barrel grab
- Grapple bucket
- Light material bucket
- Cattle feed bucket
- Compost grab
- Manure bucket with grapple
- Cleaning bucket (fertilizer)
- Rake
- Bale fork
- Etc...

SPECIFICATIONS 1845 C



- * With dirt and rehandling bucket
- ** Height without lifting eyes (removable)

OPERATING WEIGHT : 2811 kg (with full fuel tank, operator, 1.85 m bucket and 12 x 16,5 tyres)

BUCKETS

TYPE	WIDTH	CAPACITY (SAE)	CAPACITY STRUCK	WEIGHT	DUMP HEIGHT	DUMP REACH	DUMP ANGLE	OVERALL LENGTH
	m	m ³	m ³	kg	m	m	degrees	m
DIRT	1,85	0,39	0,30	186	2,28	0,58	41	3,36
REHANDLING	1,85	0,65	0,52	225	2,17	0,76	38	3,53
SNOW	2,03	0,89	0,72	267	2,12	0,76	38	3,60
4 in 1	1,85	0,47	0,31	312	2,20	0,48	52	3,36

OTHER TOOLS AVAILABLE

- 4 in 1 bucket
- Rubble bucket (open-work)
- Dirt bucket
- Pavement kerb grab
- Side dump bucket
- Low auger
- Add-on Backhoe
- Sweeping bucket
- Utility bucket
- Hammer
- Stanley hydraulic tools
- Dozer blade
- Pallet forks
- Grapple bucket
- Light material bucket
- Cattle feed bucket
- Low trencher with mechanical offset
- Concrete bucket
- Compost grab
- Manure bucket with grapple
- Potato and sugar beet bucket
- Cleaning bucket (fertilizer)
- Rake
- Etc...

STANDARD EQUIPMENT

- All models CE approved
- Fully equipped instrument panel
- Monitoring and warnings systems both visual and audible
- R.O.P.S. structure
- Seat belt retractable
- Control lockout system
- Mechanical quick coupler (1840-1845C)
- Horn
- Working lights (Front & Rear)
- Auxiliary hydraulics
- Heat shield
- Noise insulation
- Multi wet disc park brake, spring applied
- Lifting eyes
- Rear window
- Servo control transmission (1840-1845C)
- Self levelling (mechanical) (1845C)
- Spark arrest muffler (1840-1845C)
- Counterweights
- Operator presence seat switch all models

OPTIONAL EQUIPMENT

- Hydraulic Case coupler (1845C)
 - F.O.P.S. roof
 - Low noise
 - Glazed R.O.P.S. or F.O.P.S.
 - Rotating beacon
 - Rear view mirror
 - High flow Hydraulics (1840-1845C)
 - Road lights
 - AIR BOSS tyres (1840-1845C)
 - Back up alarm
 - Heavy duty pneumatic tyres
 - Track chain (1840-1845C)
 - Suspension seat (1840-1845C)
 - Spark arrestmuffler (1845B)
 - Self levelling (hydraulic) (1840)
- Cold start aid 240 V block heater

Standard and optional equipment may vary depending on the country concerned.



In conformity with directive 98/37/CE



NOTE: The standard and optional fittings can vary according to the demands and specific regulations of each country. The illustrations may include optional fittings or fittings not mentioned above. Moreover, the Case France Company reserves the right to modify without prior notice its machine specifications, and without incurring any obligations relating to such changes.



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