

1825B Skid Steer



ENGINE

Model..... Kubota V1505
Type..... Diesel
Cylinders..... 4
Bore/Stroke 3.07" x 3.09"
(78 x 78.4 mm)
Displacement..... 91.4 in³ (1.5 L)
Fuel injection Direct
Horsepower per SAE J1349 –
Gross..... 30 (22.2 kW) @ 2400 rpm
Net 27 (20.1 kW) @ 2400 rpm
Peak torque –
@ 2100 rpm..... 67.1 lb·ft (91 N·m)

POWERTRAIN

Drive pump Tandem, axial piston
hydrostatic transmission
Flow Bi-directional
Controls..... Mechanical
Drive motors..... Fixed displacement
high torque/low speed
gerotor motors
Final drive..... Single stage
reduction chain drive
to all wheels
Drive chain –
Size..... No. 60 HT
Brakes Mechanical parking latch
spring applied, cable release
Engagement Raise the seat bar
Travel speed..... 0 - 5.7 mph
(0 - 9.2 km/h)

HYDRAULIC SYSTEM

Standard equipment pump –
Gear pump driven directly
off engine crankshaft
Pump flow @ rated engine rpm
Total 9.6 gpm (36.3 L/min)
Loader control valve..... 2-spool
mono cast with
float detent
Main relief 2300 psi
(159 bar)
Hydraulic filters 6-micron,
spin-on replaceable element
on the loader hydraulic return
line with warning indicator

OPERATOR ENVIRONMENT

ROPS/FOPS tilt canopy
w/side screens
Seat presence switch
Vinyl seat
2" (51 mm) seat belt
Restraint bar w/integral armrests
Two hands-only control levers
Hand throttle
Loader control lockout system
Loader arm lock strut
Front and rear halogen floodlights
Floor cleanout panel

INSTRUMENTATION

Electro-mechanical hourmeter
Fuel level LED bar graph
Warning lights –
Battery voltage
Engine coolant temperature
Transmission charge pressure
Transmission temperature
Engine oil pressure
Air cleaner restriction
Hydraulic filter restriction
Systems normal
Warning alarms –
Engine coolant temperature
Transmission charge pressure
Engine oil pressure
Hydraulic oil temperature
Battery voltage
Seat belt reminder

ELECTRICAL SYSTEM

Alternator..... 30 amp
Battery 12 volt low-maintenance
350 cold-cranking amps

SERVICE CAPACITIES

Fuel tank..... 8.5 gal (32.2 L)
Engine oil w/filter 6.7 qt (6.3 L)
Engine cooling system..... 7.0 qt (6.6 L)
Hydraulic system –
Reservoir
w/filter change 23 qt (21.8 L)
Total 30 qt (28.4 L)
Chain tanks (per side)..... 3 qt (2.8 L)

OPTIONS

OPERATOR'S COMPARTMENT

Deluxe seat
Seat backrest extension
Horn

HYDRAULICS

Auxiliary hydraulics, loader
arm mounted

OTHER

Backup alarm
Front and rear lift brackets
Drawbar
Special paint

DIRT/UTILITY BUCKETS

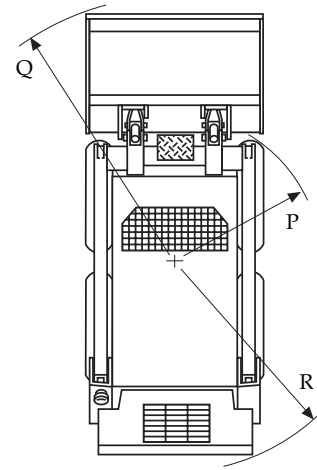
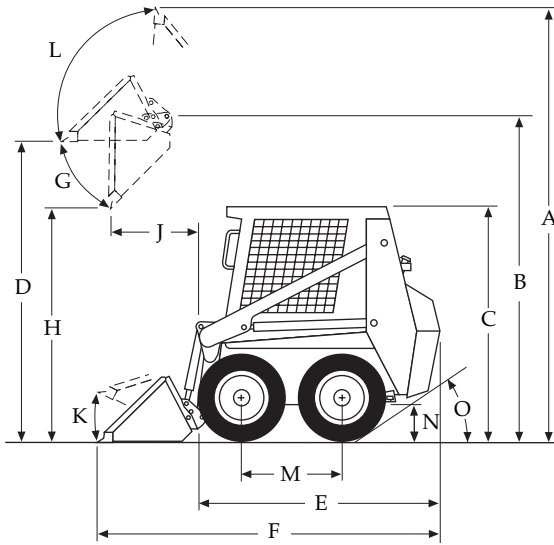
Bucket	Struck	Heaped	Weight
Width	Capacity	Capacity	

44"	4.84 ft ³	6.34 ft ³	130 lb
(1.12 m)	(0.14 m ³)	(0.18 m ³)	(59 kg)

49"	5.4 ft ³	7.1 ft ³	145 lb
(1.24 m)	(0.15 m ³)	(0.20 m ³)	(66 kg)

TIRES

Chevron 5.70 x 15, 4PR
Width over tires..... 39.3" (0.99 m)
Goodyear SureGrip 8.50 x 15, 4PR
Width over tires..... 47.3" (1.2 m)
Galaxy "Beefy Baby" 8.50 x 15, 6PR
Width over tires..... 47.3" (1.2 m)
Airboss Altrakka II 8.50 x 15
Width over tires..... 47.3" (1.2 m)



DIMENSIONS

A. Overall operating height – dirt bucket Height to*	126.9" (3.2 m)
B. Bucket hinge pin.....	98.2" (2.49 m)
C. Top of rollover protective structure (ROPS).....	70.1" (1.78 m)
D. Bottom of level bucket, loader arm fully raised.....	92" (2.34 m)
Overall length –	
E. w/o attachment.....	84.8" (2.15 m)
F. w/bucket on ground.....	109" (2.77 m)
G. Dump angle at maximum height –	
Dirt bucket.....	40°
H. Dump height – loader arm fully raised –	
Dirt bucket.....	76" (1.93 m)
J. Reach – loader arm fully raised –	
Dirt bucket.....	27.6" (0.70 m)
Maximum attachment rollback –	
K. Bucket on ground.....	27°
L. Bucket at full height.....	98°
M. Wheelbase.....	33.5" (0.85 m)
N. Ground clearance.....	6.8" (0.17 m)
O. Angle of departure.....	31°
Clearance circle front –	
P. Less bucket.....	35.8" (0.90 m)
Q. w/44" (1.12 m) dirt bucket on ground.....	62.8" (1.60 m)
Q. w/49" (1.25 m) dirt bucket on ground.....	63.7" (1.62 m)
R. Clearance circle rear.....	52.2" (1.33 m)
Operating weight.....	3,107 lb (1,409 kg)

NOTE: *Equipped with 5.70 x 15 tires.

NOTE: All specifications are stated in accordance with SAE Standards or Recommended Practices, where applicable.

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PERFORMANCE SPECS

Operating load.....	885 lb (401 kg)
Tipping load.....	1,770 lb (803 kg)
Breakout force –	
Lift cylinder.....	1,730 lbf (7695 N)
Bucket cylinder.....	1,795 lbf (7985 N)
Cycle time –	
Raise.....	4.1 seconds
Lower.....	2.5 seconds
Dump.....	1.2 seconds
Rollback.....	1.6 seconds

NOTE: SAE rated lift capacities. Cycle time measured with rated load in bucket.

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