1845C
Skid Steer

ENGINE

Model.................................. Case 4-390
Type............................................. Diesel
Cylinders............................................. 4
Bore/Stroke ...................... 4.0” x 4.72”
(102 mm x 120 mm)
Displacement.............. 239 in 3  (3.92 L)
Fuel injection ..................... Direct
Horsepower per SAE J1349 and J1995 –
Gross.......... 60 (45 kW) @ 2200 rpm
Net ............. 57 (43 kW) @ 2200 rpm
Peak torque –
@ 1300 rpm....... 179 lb·ft (243 N·m)

POWERTRAIN

Drive pump ..... Tandem, axial piston
hydrostatic transmission
Flow ......................... Bi-directional
Controls........ Low-effort, servo assist
Drive motors...... Fixed displacement
.............. high torque /low speed
............................. gerotor motors
Final drive........ Dual stage reduction
chain drive to all wheels
Drive chain –
Size......................... No. 80 HT
Brakes ...... Mechanical parking latch
spring applied, cable release
Engagement........... Raise the seat bar
Travel speed...................... 0 - 6.0 mph
(0 - 9.7 km/h)

HYDRAULIC SYSTEM

Standard equipment pump –
Gear pump driven directly
off engine crankshaft
Pump flow @ rated engine rpm
Total ........ 16.0 gpm (60.6 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
w/warning light

OPERATOR

ENVIRONMENT

Roll out ROPS/FOPS canopy
w/side screens
Seat presence switch
Vinyl seat
2’ (51 mm) retractable 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 –
  Alternator output
  Battery voltage
  Fuel level
  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
  Alternator output
  Engine oil pressure
  Hydraulic oil temperature
  Battery voltage
  Seat belt reminder

ELECTRICAL SYSTEM

Alternator....................... 65 amp
_battery................. 12 volt low-maintenance
685 cold-cranking amps

SERVICE CAPACITIES

Fuel tank............... 21.5 gal (81.4 L)
Engine oil w/filter ....... 6.7 qt (6.3 L)
Engine cooling system.... 18 qt (17 L)
Hydraulic system –
Reservoir
w/filter change....... 23 qt (21.8 L)
Total.................... 42 qt (39.8 L)
Chain tanks (per side)..... 5 qt (4.7 L)

OPTIONS

OPERATOR’S COMPARTMENT
Deluxe suspension seat
Seat backrest extension
Horn
3” (76 mm) seat belt
Foot-operated loader controls
Low noise package

OTHER

Backup alarm
Rotating beacon
High-flow auxiliary hydraulics
30 gpm (113.6 L/min)
Front and rear lift brackets
Cold start kit
Cooling package
Drawbar
Special paint

BUCKETS

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<thead>
<tr>
<th>Width</th>
<th>Capacity</th>
<th>Weight</th>
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</thead>
<tbody>
<tr>
<td>DIRT</td>
<td></td>
<td></td>
</tr>
<tr>
<td>63”</td>
<td>9.1 ft³</td>
<td>11.8 ft³</td>
</tr>
<tr>
<td>73”</td>
<td>10.6 ft³</td>
<td>13.9 ft³</td>
</tr>
<tr>
<td>82”</td>
<td>14.5 ft³</td>
<td>19.0 ft³</td>
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<tbody>
<tr>
<td>UTILITY</td>
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</tr>
<tr>
<td>63”</td>
<td>15.6 ft³</td>
<td>19.5 ft³</td>
</tr>
<tr>
<td>73”</td>
<td>18.1 ft³</td>
<td>22.8 ft³</td>
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<tbody>
<tr>
<td>LIGHT MATERIAL</td>
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<tr>
<td>80”</td>
<td>25.4 ft³</td>
<td>32.2 ft³</td>
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TIRES

Pneumatic (tubeless)
Goodyear 12.00 x 16.5, 6PR Traction
Width over tires .......... 72” (1.83 m)
Galaxy “Beefy Baby” 12.00 x 16.5, 10PR
Width over tires .......... 72” (1.83 m)
Galaxy “King Kong” 12.00 x 16.5, 10PR
Width over tires .......... 72” (1.83 m)
Galaxy “Fat Foot” 15.5 x 16.5, 12PR
Width over tires .......... 78.9” (2.01 m)

Non-Pneumatic
Mitco 8.00 x 16 Industrial Lug, Solid
Width over tires .......... 61.6” (1.57 m)
Airboss 8.25 x 15 GP/Industrial
Width over tires .......... 68.7” (1.75 m)
Airboss Altrakka II 12.00 x 16.5
Width over tires .......... 70.9” (1.80 m)
**DIMENSIONS**

A. Overall operating height – dirt bucket ................................ 145.5” (3.69 m)
   Height to* .................................................................................
B. Bucket hinge pin ...................................................... 116.75” (2.97 m)
C. Top of rollover protective structure (ROPS) .................. 80.25” (2.04 m)
D. Bottom of level bucket, loader arm fully raised ........ 111.25” (2.83 m)
   Overall length –
E. w/o attachment ........................................................... 101.25” (2.57 m)
F. w/bucket on ground ........................................................... 132.4” (3.36 m)
G. Dump angle at maximum height –
   Dirt bucket ........................................................................... 41°
H. Dump height – loader arm fully raised –
   Dirt bucket ........................................................................... 89.5” (2.27 m)
J. Reach – loader arm fully raised –
   Dirt bucket ........................................................................... 23” (584 mm)
   Maximum attachment rollback –
K. Bucket on ground ........................................................... 30°
L. Bucket at full height ....................................................... 62°
M. Wheelbase ........................................................................ 40.5” (1.03 m)
N. Ground clearance ........................................................... 8” (203 mm)
O. Angle of departure .......................................................... 25°
   Clearance circle front –
P. Less bucket ....................................................................... 48” (1.22 m)
Q. w/63” (1.60 m) dirt bucket on ground ......................... 78” (1.98 m)
Q. w/73” (1.85 m) dirt bucket on ground ......................... 80” (2.03 m)
R. Clearance circle rear ..................................................... 53.8” (1.37 m)
   Operating weight ................................................................. 6,185 lb (2806 kg)

**PERFORMANCE SPECS**

Operating load ...... 1,750 lb (794 kg)
Tipping load .......... 3,545 lb (1608 kg)
Breakout force –
   Lift cylinder .... 3,450 lbf (15 346 N)
   Bucket cylinder ... 4,690 lbf (20 861 N)
Cycle time –
   Raise .............................. 4.3 seconds
   Lower ............................ 2.9 seconds
   Dump ............................ 2.0 seconds
   Rollback ....................... 1.4 seconds

NOTE: SAE rated lift capacities. Cycle time measured with rated load in bucket.
100 lb (45 kg) counterweight standard equipment.

**NOTE:** All specifications are stated in accordance with SAE Standards or Recommended Practices, where applicable.
Form No. CE 185-05-98
Replaces Form No. - None

**IMPORTANT:** Case Corporation reserves the right to change these specifications without notice and without incurring any obligation relating to such change. Case Corporation does not warrant the safety or reliability of attachments from other manufacturers.

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