

# case

## 580 Super E Construction King®



### **63 (47 kW) NET FLYWHEEL HORSEPOWER**

High torque, Case four cylinder 239 in<sup>3</sup> (3917 cm<sup>3</sup>) diesel with matching power train and high capacity brakes

### **FIELD PROVEN SYNCHRONIZED TRANSMISSION**

Four speed with power shuttle and torque converter.

### **CHOICE OF BACKHOES**

14' (4.27 m) backhoe or 14'-18' (4.27 m-5.49 m) telescoping Extendahoe®. Over-center backhoe transport position for loading and roading stability.

### **5155 LB (2338 kg) LIFT CAPACITY SELF-LEVELING LOADER**

Single lever controls bucket rollback, lift, dump, lower, float and return to dig.

### **HIGH PERFORMANCE — TANDEM GEAR PUMP HYDRAULICS**

Provides flow to the loader, backhoe, and steering valve. Gives optimum speed and power during digging cycle.

### **UNITIZED MAIN FRAME**

Absorbs heavy shock loads, maintains power train alignment, simplifies servicing.

### **COMPONENTIZED POWER TRAIN**

Permits servicing of individual components without disturbance of the rest of the drive line.

### **OPERATOR CONVENIENCE**

Roomy work platform. Isolated with rubber mounts to reduce noise and vibration. Sloping hood and grille and 4-way adjustable seat improves visibility and operator efficiency.

Unit shown is equipped with non-standard items.

## **J I Case**

A Tenneco Company



Construction Equipment Division  
700 State Street Racine, WI 53404 U.S.A.

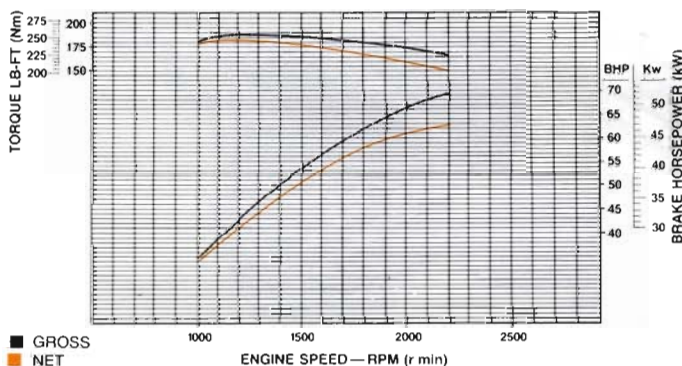
# Specifications 580 Super E Tractor Construction King®

## ENGINE

|                   |                                                    |
|-------------------|----------------------------------------------------|
| Make and Model    | Case 4-390                                         |
| Type of fuel      | No. 2 diesel                                       |
| No. of cylinders  | 4                                                  |
| Bore and stroke   | 4.02" x 4.72" (102 mm x 120 mm)                    |
| Displacement      | 239 in <sup>3</sup> (3.9 L, 3917 cm <sup>3</sup> ) |
| Compression ratio | 18.5:1                                             |
| Fuel induction    | Injectors                                          |
| Fuel supply       | Injection pump                                     |
| Air cleaner       | Dry type—replacement element                       |
| Oil filter        | Replaceable spin-on cartridge, full flow           |
| Lubrication       | Positive pressure                                  |
| Cooling system    | Pressurized—14 psi (96 kPa)                        |
| Horsepower        |                                                    |
| Gross (1)         | 69 @ 2200 rpm<br>(51 kW @ 2200 r/min)              |
| SAE net (2)       | 63 @ 2200 rpm<br>(47 kW @ 2200 r/min)              |
| Max torque ft-lb  |                                                    |
| Gross (1)         | 186 @ 1200 rpm<br>(26 kg m @ 1200 r/min)           |
| SAE Net (2)       | 181 @ 1200 rpm<br>(25 kg m @ 1200 r/min)           |

(1) Gross engine horsepower or torque at flywheel per SAE J1349 specification.  
(2) Net engine horsepower or torque at flywheel per SAE J1349 specification.

## POWER CURVE



## ELECTRICAL

|                |                                                            |
|----------------|------------------------------------------------------------|
| System voltage | 12 volts, negative ground                                  |
| Battery        | Maintenance free, 700 cold cranking<br>amps at 32°F (0° C) |
| Alternator     | 42 amp                                                     |

## POWER TRAIN

Transmission: Full power shuttle and torque converter, 4 speed; sliding spur gear in 1st and 2nd. Synchromesh in 3rd and 4th permits on the go shifting up from 2nd to 3rd to 4th and back down from 4th to 3rd.

Torque converter: Single stage hydrokinetic type (2.78 to 1 ratio).

Reversing unit: Power hydraulic clutches.

Brakes: Individual or simultaneous foot actuated, hydraulic self-adjusting. 8" (203 mm) double disc, with 246 in<sup>2</sup> (1587 cm<sup>2</sup>) braking surface. Over-center hand-operated parking brake.

Final drives: Multiple gear reduction.

## AXLES RATINGS

### FRONT

|             |                        |
|-------------|------------------------|
| Dynamic     | 44,000 lbs (19 958 kg) |
| Static      | 11,500 lbs (5216 kg)   |
| Oscillation | 22°                    |

### REAR

|         |                        |
|---------|------------------------|
| Dynamic | 54,000 lbs (24 494 kg) |
| Static  | 13,500 lbs (6123 kg)   |

## STEERING

|                              |                                                                     |
|------------------------------|---------------------------------------------------------------------|
| Power steering               | Hydrostatic                                                         |
| Hydraulic pump               | Front mounted, positive displacement,<br>gear type, tandem pump     |
| Pump capacity                | 7 gpm @ 2200 rpm @ 2000 psi<br>(26 l/min @ 2200 r/min @ 13 790 kPa) |
| Main relief setting          | 2100 ± 50 psi (14 479 ± 345 kPa)                                    |
| Turning ratio (stop to stop) | 2.75 turns                                                          |
| Steering cylinders (2)       | 1.5" dia x 6.5" stroke<br>double acting (38 mm dia x 165 mm stroke) |

## SERVICE CAPACITIES

|                     | U.S.      | Litres |
|---------------------|-----------|--------|
| Cooling system      |           |        |
| w/heater            | 18.9 qt   | 17.9   |
| w/o heater          | 18.2 qt   | 17.2   |
| Fuel tank           | 26.5 gal  | 100    |
| Engine oil          |           |        |
| w/filter            | 11 qt     | 10.4   |
| Power shuttle       | 8 qt      | 7.6    |
| Transaxle           | 20 qt     | 18.9   |
| Hydraulic reservoir |           |        |
| w/filter            | 12.5 gal  | 47.3   |
| w/o filter          | 12 gal    | 45.4   |
| total system        | 23.75 gal | 89.9   |

## TRAVEL SPEEDS — MPH (km/h)

Engine at full throttle, 17.5L x 24, R4 rear tires.

|         | FIRST     | SECOND     | THIRD       | FOURTH      |
|---------|-----------|------------|-------------|-------------|
| Forward | 3.5 (5.6) | 6.5 (10.5) | 12.2 (19.6) | 21.8 (35.1) |
| Reverse | 3.1 (5.0) | 6.0 (9.7)  | 11.1 (17.9) | 19.6 (31.5) |

## 580 SUPER E TIRES

|       | SIZE       | PLY<br>RATING | TREAD                    | PRESSURE<br>PSI (kPa) |
|-------|------------|---------------|--------------------------|-----------------------|
| FRONT | 7.50x16    | 10            | (I1) rib                 | 56 (386)              |
|       | 8.00x16    | 10            | (F3) truck tread         | 56 (386)              |
|       | 11Lx16     | 10            | (F3) truck tread         | 48 (331)              |
| REAR  | 14.9 x 24  | 6             | (R4) utility traction    | 20 (138)              |
|       | 14.9 x 24  | 8             | (R4) utility traction    | 24 (165)              |
|       | 16.9 x 24  | 6             | (R4) utility traction    | 18 (124)              |
|       | *16.9 x 24 | 8             | (R4) utility traction    | 24 (165)              |
|       | 17.5Lx24   | 6             | (R4) industrial suregrip | 16 (110)              |
|       | *17.5Lx24  | 8             | (R4) industrial suregrip | 22 (152)              |

\*Must be used on machines equipped with Extendahoe. May also be used on machines equipped with non extendable backhoe.

## TURNING CLEARANCE CIRCLE

|                |                |
|----------------|----------------|
| With brakes    | 21'2" (6.45 m) |
| Without brakes | 24'1" (7.34 m) |

# 580 Super E Loader

## HYDRAULIC SYSTEM

Hydraulic pump: Front mounted, positive displacement, gear type, tandem pump.

Pump capacity: 23 gpm @ 2200 rpm @ 2000 psi  
(87 l/min @ 2200 r/min @ 13 790 kPa).

Control valve main relief pressure: 2450 psi (16 892 kPa).

Filtration: 10 micron, full flow replaceable cartridge on return line.  
Condition indicator light for filter.

Loader control valve: Mono cast two or three spool. Single lever control for lift and tilt. Lift lever has positive hold "float" position and "return-to-dig" feature.

Hydraulic lines: Steel tubing with brazed or flared fittings and wire braid, high pressure hose with crimped, full flow fittings.

Loader cylinders:

|          |                                                                            |
|----------|----------------------------------------------------------------------------|
| Lift (2) | 3" dia x 31.5" stroke, 1.75" rod<br>(76 mm dia x 800 mm stroke, 44 mm rod) |
| Tilt (2) | 2.5" dia x 20" stroke, 1.5" rod<br>(64 mm dia x 508 mm stroke, 38 mm rod)  |
| Clam (2) | 3" dia x 9" stroke, 1.75" rod<br>(76 mm dia x 229 mm stroke, 44 mm rod)    |

## LOADER BUCKET SIZES (Capacities SAE)

| WIDTH |      | TYPE      | HEAPED          |                | STRUCK          |                |
|-------|------|-----------|-----------------|----------------|-----------------|----------------|
| In    | m    |           | yd <sup>3</sup> | m <sup>3</sup> | yd <sup>3</sup> | m <sup>3</sup> |
| 74    | 1.88 | Short lip | .78             | .60            | .67             | .50            |
| 82    | 2.08 | Long lip  | 1.00            | .76            | .87             | .67            |
| 82    | 2.08 | 4-in-1    | 1.00            | .76            | .81             | .62            |

## OPERATIONAL DATA (General Purpose Bucket)

|                                   |                     |
|-----------------------------------|---------------------|
| Lift capacity to full height      | 5155 lbs (2338 kg)  |
| Height to bucket hinge pin—raised | 10'9" (3.28 m)      |
| Bucket rollback at ground line    | 40°                 |
| Breakout force—combined           | 7600 lbs (33 805 N) |
| Dump angle at full height         | 45°                 |
| Grading angle                     | 110°                |

|                                             | SHORT LIP      | LONG LIP      |
|---------------------------------------------|----------------|---------------|
| Digging depth below ground line—bucket flat | 3.25" (83 mm)  | 3.25" (83 mm) |
| Dump clearance at full height 45° dump      | 8'7" (2.62 m)  | 8'4" (2.54 m) |
| Dump reach at full height 45° dump          | 25.5" (648 mm) | 28" (711 mm)  |
| Reach—bucket on ground                      | 71" (1.80 m)   | 77" (1.96 m)  |
| Raising time to full height                 | 5.2 sec        | 5.2 sec       |
| Bucket dumping time                         | 1.0 sec        | 1.0 sec       |
| Lowering time, power down                   | 3.0 sec        | 3.0 sec       |
| Return-to-dig                               | 4.1 sec        | 4.1 sec       |

## OPERATIONAL DATA (4-in-1® Bucket)

|                                              |                     |
|----------------------------------------------|---------------------|
| Lift capacity to full height                 | 4390 lbs (1991 kg)  |
| Height to bucket hinge pin                   | 10'9" (3.28 m)      |
| Bucket rollback at ground line               | 46°                 |
| Breakout force                               | 7040 lbs (31 314 N) |
| Dump angle at full height                    | 52°                 |
| Grading angle—clam closed                    | 103°                |
| Digging depth below ground line —bucket flat | 5.25" (133 mm)      |
| Digging depth—using clam                     | 47" (1.19 m)        |
| Digging depth—clam open                      | 5" (127 mm)         |
| Dump clearance at full height 52° dump—clam  | 10' (3.05 m)        |
| 52° dump—bucket                              | 8'7" (2.62 m)       |
| Dump reach at full height—52° dump           | 27" (686 mm)        |
| Reach—bucket on ground                       | 77" (1.96 m)        |

|                             |              |
|-----------------------------|--------------|
| Raising time to full height | 5.2 sec      |
| Bucket dumping time         | 1.0 sec      |
| Return-to-dig               | 4.1 sec      |
| Width of dozer cutting edge | 82" (2.08 m) |
| Maximum clam opening        | 37" (940 mm) |
| Moldboard height            | 36" (914 mm) |

## TURNING CLEARANCE CIRCLE

Bucket rollback—hinge pin at SAE carry position

|                |                |
|----------------|----------------|
| With brakes    | 30'3" (9.22 m) |
| Without brakes | 32'5" (9.88 m) |

## THREE POINT MOD HITCH

Hydraulic pump: Front mounted, positive displacement, gear type, tandem pump.

Pump capacity: 23 gpm @ 2200 rpm @ 2000 psi  
(87 l/min @ 2200 r/min @ 13 790 kPa)

Main relief pressure: 1800 PSI (12 411 kPa)

Control valve: 4 spool sectional valve for hydraulic control of lift, tilt, pitch and auxiliary with "float" detent in the lift spool. Single spool sectional valve for hydraulic control of lift and mechanical adjustment of tilt and pitch.

Mod hitch cylinders:

|           |                                                                         |
|-----------|-------------------------------------------------------------------------|
| Lift (1)  | 3" dia x 8.4" stroke, 1.5" rod<br>(76 mm x 214 mm stroke, 38 mm rod)    |
| Tilt (1)  | 2.5" dia x 6.3" stroke, 1.25" rod<br>(64 mm x 160 mm stroke, 32 mm rod) |
| Pitch (1) | 2.5" dia x 7" stroke, 1.25" rod<br>(64 mm x 178 mm stroke, 32 mm rod)   |



## 580 Super E Backhoe

### HYDRAULIC SYSTEM

Hydraulic pump: Front mounted, positive displacement, gear type, tandem pump.

Pump capacity: 30 gpm @ 2200 rpm @ 2000 psi  
(114 l/min @ 2200 r/min @ 13 790 kPa)

Control valve main relief: 2450 psi (16 892 kPa)

Filtration: 10 micron, full flow replaceable cartridge on return line.  
Condition indicator light for filter.

Backhoe control valve: Sectional four spool valve — boom, dipper, bucket, and swing. Foot or optional hand swing. Regeneration and hydraulic cushioned swing stops. Mono-cast two spool stabilizer valve with pilot checks.

Hydraulic lines: Steel tubing with brazed or flared fittings and wire braid high pressure hose with crimped, full flow fittings.

Backhoe cylinders:

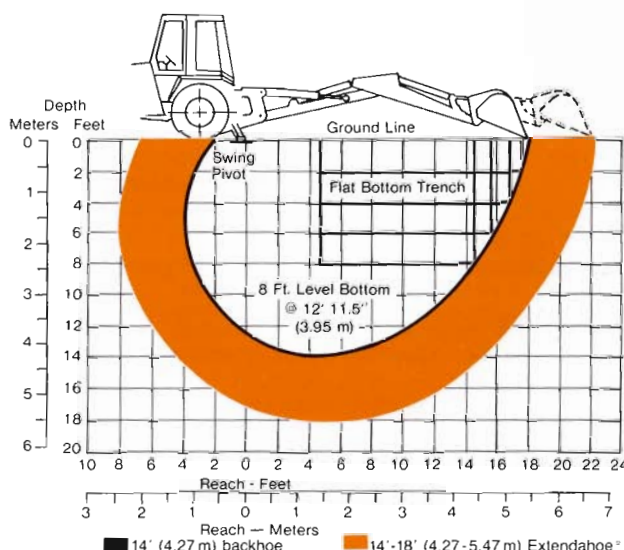
|                      |                                                                              |
|----------------------|------------------------------------------------------------------------------|
| Stabilizers (2)      | 4" dia x 21.77" stroke, 2" rod<br>(102 mm dia x 553 mm stroke, 51 mm rod)    |
| Swing (2)            | 4" dia x 11.2" stroke, 2" rod<br>(102 mm dia x 285 mm stroke, 51 mm rod)     |
| Boom (2)             | 3.2" dia x 42.1" stroke, 1.75" rod<br>(83 mm dia x 1.07 m stroke, 44 mm rod) |
| Dipper (1)           | 4" dia x 33.87" stroke, 2" rod<br>(102 mm dia x 860 mm stroke, 51 mm rod)    |
| Bucket (1)           | 3.5" dia x 30.56" stroke, 2.5" rod<br>(89 mm dia x 776 mm stroke, 64 mm rod) |
| Dipper extension (1) | 3" dia x 48" stroke, 1.5" rod<br>(76 mm dia x 1.22 m stroke, 38 mm rod)      |

### LIFT CAPACITY CHART — 14' (4.27 m) Backhoe\*

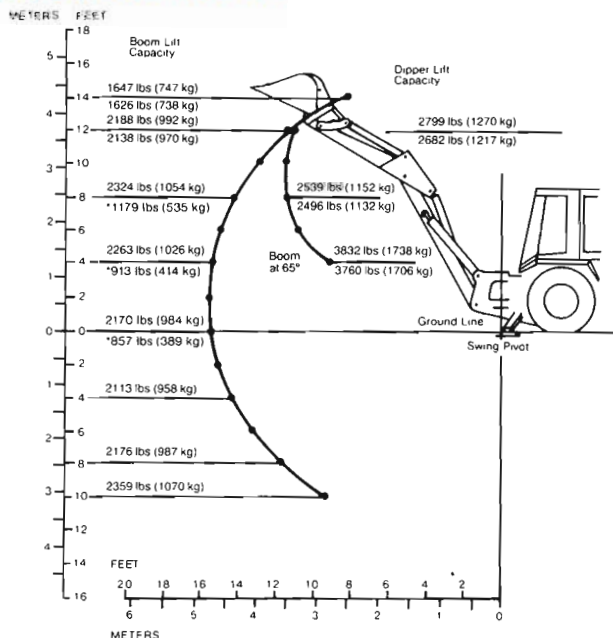
- Lift capacity figures on this chart are 87% of the maximum lift force per SAE Definition J31 and J49 at 2450 psi (16 892 kPa) system relief pressure.
- Top numbers/lift capacity within 45° either side of prime mover.
- Bottom number/lift capacity anywhere within full swing arc.
- \*Figures are stability limited and 75% of tipping load.
- Figures stated are determined by static tests and do not include dynamic factors.

(For additional lift capacities refer to operator's manual.)

### DIG DEPTH CHART



### LIFT CAPACITY CHART



### OPERATIONAL DATA—14' (4.27 m) Backhoe and 14'-18' (4.27 m-5.49 m) Extendahoe®

#### 14' (4.27 m) Backhoe

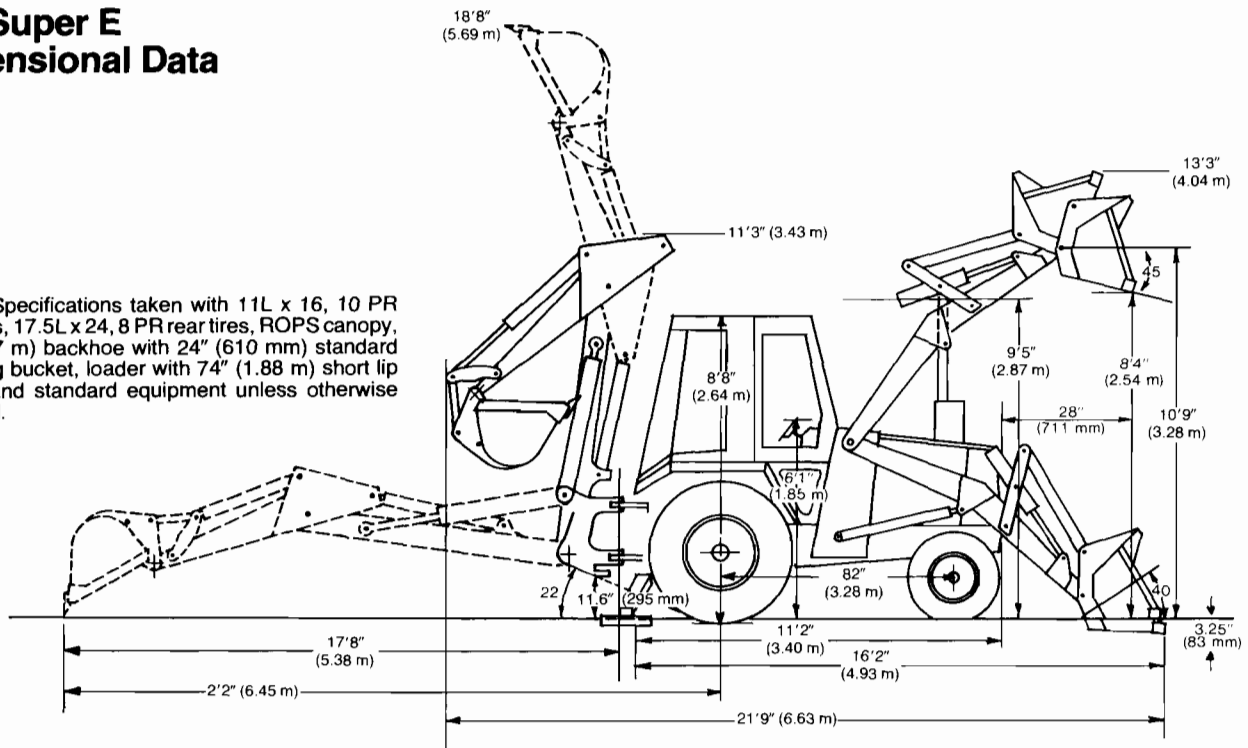
|                                                                        |                       |
|------------------------------------------------------------------------|-----------------------|
| Digging depth—SAE                                                      | 14'2" (4.32 m)        |
| with 24" high capacity bucket                                          | 14'7" (4.45 m)        |
| Overall reach from rear axle centerline                                | 21'2" (6.45 m)        |
| Overall reach from swing pivot                                         | 17'8" (5.38 m)        |
| Loading height                                                         | 11'2" (3.40 m)        |
| Loading reach                                                          | 79" (2.01 m)          |
| Swing arc                                                              | 180°                  |
| Bucket rotation—#1 position                                            | 168°                  |
| #2 position                                                            | 151°                  |
| Stabilizer spread—operating position                                   | 9' (2.74 m)           |
| Stabilizer spread—transport position                                   | 6'9" (2.06 m)         |
| Stabilizer angle—from straight                                         | 20°                   |
| Digging force, bucket cylinder, SAE                                    | 11,535 lbs (51 309 N) |
| Digging force, dipper cylinder, SAE                                    | 6015 lbs (26 755 N)   |
| Leveling angle (maximum slope on which backhoe will make vertical cut) | 12°                   |

#### 14'-18' (4.27 m-5.49 m) Extendahoe®

| RETRACTED             | EXTENDED              |
|-----------------------|-----------------------|
| 14'4" (4.37 m)        | 18'3" (5.56 m)        |
| 14'9" (4.50 m)        | 18'8" (5.69 m)        |
| 21'2" (6.45 m)        | 25' (7.62 m)          |
| 17'9" (5.41 m)        | 21'7" (6.58 m)        |
| 11'11" (3.63 m)       | 14'3" (4.34 m)        |
| 69" (1.75 m)          | 108" (2.74 m)         |
| 180°                  | 180°                  |
| 168°                  | 168°                  |
| 147°                  | 147°                  |
| 9' (2.74 m)           | 9' (2.74 m)           |
| 6'9" (2.06 m)         | 6'9" (2.06 m)         |
| 20°                   | 20°                   |
| 11,586 lbs (51 536 N) | 11,586 lbs (51 536 N) |
| 5835 lbs (25 954 N)   | 4082 lbs (18 154 N)   |
| 12°                   | 12°                   |

## 580 Super E Dimensional Data

**NOTE:** Specifications taken with 11L x 16, 10 PR front tires, 17.5L x 24, 8 PR rear tires, ROPS canopy, 14' (4.27 m) backhoe with 24" (610 mm) standard trenching bucket, loader with 74" (1.88 m) short lip bucket and standard equipment unless otherwise specified.



### TRACTOR

|                                       |                             |
|---------------------------------------|-----------------------------|
| Overall length                        | 11'2" (3.40 m)              |
| Overall width                         | 78" to 81" (1.96 to 2.06 m) |
| Height: to top of canopy              | 8'7" (2.62 m)               |
| Height: to top of cab                 | 8'8" (2.64 m)               |
| Height: to top of exhaust stack       | 9'5" (2.87 m)               |
| Height: to top of steering wheel      | 6'1" (1.85 m)               |
| Ground clearance (tractor main frame) | 9.13" (232 mm)              |
| Front wheel tread                     | 59" or 62" (1.5 or 1.6 m)   |
| Rear wheel tread                      | 62" (1.57 m)                |
| Wheel base                            | 82" (2.08 m)                |

### LOADER

| GENERAL PURPOSE BUCKET                     | SHORT LIP      | LONG LIP       |
|--------------------------------------------|----------------|----------------|
| Overall length                             | 15'9" (4.80 m) | 16'2" (4.93 m) |
| Overall width                              | 81" (2.06 m)   | 82" (2.08 m)   |
| Overall operating height                   | 13'3" (4.04 m) | 13'3" (4.04 m) |
| Digging depth below ground—<br>bucket flat | 3.25" (83 mm)  | 3.25" (83 mm)  |
| Height to bucket hinge pin                 | 10'9" (3.28 m) | 10'9" (3.28 m) |
| Dump angle at full height                  | 45°            | 45°            |
| Dump clearance full height                 |                |                |
| 45° dump                                   | 8'7" (2.62 m)  | 8'4" (2.54 m)  |
| Dump reach at full height                  |                |                |
| 45° dump                                   | 25.5" (648 mm) | 28" (711 mm)   |
| Bucket rollback at ground line             | 40°            | 40°            |

### 4-in-1 BUCKET

|                                        |                |
|----------------------------------------|----------------|
| Overall length                         | 16' (4.88 m)   |
| Height to bucket hinge pin             | 10'9" (3.28 m) |
| Digging depth below ground—bucket flat | 5.25" (133 mm) |

|                                |               |
|--------------------------------|---------------|
| Dump angle at full height      | 52°           |
| Dump clearance at full height  |               |
| 52° dump—clam                  | 10' (3.05 m)  |
| —bucket                        | 8'7" (2.62 m) |
| Dump reach at full height      |               |
| 52° dump                       | 27" (686 mm)  |
| Bucket rollback at ground line | 46°           |

### BACKHOE

|                                               | 14' (4.27 m)   | EXTENDAHOE®    |                |
|-----------------------------------------------|----------------|----------------|----------------|
|                                               |                | RETRACTED      | EXTENDED       |
| Overall length—<br>transport                  |                |                |                |
| Short lip bucket                              | 21'9" (6.63 m) | 22'2" (6.76 m) | N/A            |
| Long lip bucket                               | 22'2" (6.76 m) | 22'7" (6.88 m) | N/A            |
| 4-in-1 bucket                                 | 21'9" (6.63 m) | 22'5" (6.83 m) | N/A            |
| Overall reach from<br>rear axle<br>centerline | 21'2" (6.45 m) | 21'2" (6.45 m) | 25' (7.62 m)   |
| Swing pivot                                   | 17'8" (5.38 m) | 17'9" (5.41 m) | 21'7" (6.58 m) |
| Overall height,<br>maximum                    | 18'8" (5.69 m) | 18'8" (5.69 m) | 22'3" (6.78 m) |
| Transport height                              | 11'3" (3.43 m) | 11'6" (3.45 m) | N/A            |
| Overall width—<br>transport                   | 81" (2.06 m)   | 81" (2.06 m)   | 81" (2.06 m)   |
| Ground clearance at<br>backhoe main<br>frame  | 11.6" (295 mm) | 11.3" (287 mm) | 11.3" (287 mm) |
| Angle of<br>departure                         | 22°            | 21°            | 21°            |

# Equipment Attachments

## STANDARD EQUIPMENT

### TRACTOR

Air cleaner, dry type with replaceable cartridges • Anti-freeze solution to -20°F (-29°C) • Axle (front), heavy-duty, fixed tread • Brakes, hydraulic • Brake, parking, over-center • Electrical system, 12 volt • Engine, 63 net h.p. (47 kW) Case 4-390 diesel • Fenders, rear • Floor plates • Fuel opening, lockable • Gauges and Instruments: air cleaner restriction light, alternator charge warning lamp, condition light for loader and backhoe hydraulic system filter, converter temperature gauge, engine oil pressure warning light, engine water temperature gauge, fuel level gauge, hourmeter, tachometer, voltmeter • Grille, heavy-duty • Headlights, two shock mounted, quartz halogen • Muffler, upright oval with deflector • Oil cooler, hydraulic • Oil filter, full flow • Power shuttle, with torque converter, 4-speed transaxle with differential lock • Radiator opening, lockable • Rear lights, one quartz work and one red tail • Reservoir, common for steering, loader and backhoe • ROPS canopy on isolated operator's compartment • Safety belt, seat mounted • Seat, Easy Ride with single lever turn-around adjustment • Side panels, full length of engine, lockable • Steering, hydrostatic • Throttle, hand and foot • Tires (front) 7.50 x 16, 10 PR, I1 • Tires (rear), 14.9 x 24, 6PR, R4 utility traction tread • Toolbox • Wrapper, front.

### LOADER

All tractor standard equipment • Single lever control • Hydraulic system, complete • Indicator, bucket level • Loader (less bucket) • Return-to-dig • Self-leveling • Support strut, lift arm.

### 14' (4.27 m) BACKHOE

All tractor and loader standard equipment • Hydraulic system, complete, including three lever, footswing control • Over-center backhoe (less bucket) Model 35C with quick disconnect mounting • Stabilizers with two position cleated pads.

### 14'-18' (4.27 m-5.49 m) EXTENDAHOE®

All tractor, loader and backhoe equipment • Hydraulic telescoping Extendahoe accessory hydraulics and front counterweight.

## OPTIONAL EQUIPMENT

### TRACTOR

Air conditioning • Alarm, backup • Anti-freeze to -40°F (-40°C) • Beacon rotating • Drawbar, swinging or rigid • Emblem, SMV • Floor mat • Full hookup package • Hitch, modular 3-point • Interior package, deluxe adjustable suspension seat, floor mats, fender and post covers • Horn • Lights, combination tail, stop, directional and flasher, two quartz work (canopy only) • Muffler, spark arresting • Paint, special • ROPS cab with air filtration, defogger, heater and pressurization • Seat, suspension • Start kit, cold weather • Tires, various sizes—see tractor section • Weights, front end.

### LOADER

All tractor optional equipment • Accessory hydraulics • Bucket teeth • Rear counterweight • 82" (2.08 m) long lip bucket, 74" (1.88 m) short lip bucket, (2.08 m) 4-in-1® bucket.

### BACKHOE

All tractor and loader optional equipment • Backhoe floor mat • Boom lockout • Counterweight, front • Dual lever backhoe controls • Street-cemetery stabilizer pads • 12" (305 mm), 18" (457 mm), 24" (610 mm), 30" (714 mm) standard duty trenching buckets • 18" (475 mm), 24" (610 mm), 30" (762 mm), 36" (914 mm) heavy-duty trenching buckets • 24" (610 mm) Hi-capacity bucket.

## APPROXIMATE SHIPPING WEIGHTS

**NOTE:** Specifications taken with 11L x 16 front tires, 17.5L x 24 rear tires, ROPS canopy and standard equipment unless otherwise specified.

### TRACTOR W/LOADER (Less Bucket)

Without rear counterweight . . . . . 7580 lbs (3438 kg)  
Rear counterweight (required  
with no rear attachments) . . . . . add 1495 lbs (678 kg)  
Cab . . . . . add 320 lbs (145 kg)  
Air conditioning . . . . . add 30 lbs (13.6 kg)

### TRACTOR/LOADER W/BACKHOE (Less Buckets)

14' (4.27 m) backhoe . . . . . 10,660 lbs (4835 kg)  
Extendahoe® . . . . . 12,060 lbs (5470 kg)  
Front counterweight (required w/Extendahoe)  
. . . . . add 800 lbs (363 kg)

### LOADER BUCKETS (Optional)

74" (1.88 m) short lip . . . . . 600 lbs (272 kg)  
82" (2.08 m) long lip . . . . . 760 lbs (345 kg)  
82" (2.08 m) 4-in-1® . . . . . 1130 lbs (513 kg)

### BACKHOE BUCKETS (Optional)

|                        | Standard<br>Trenching                    | Heavy-Duty<br>Trenching |
|------------------------|------------------------------------------|-------------------------|
| 12" (305 mm) . . . . . | 198 lbs (90 kg)                          | N/A                     |
| 18" (457 mm) . . . . . | 238 lbs (108 kg)                         | 322 lbs (146 kg)        |
| 24" (610 mm) . . . . . | 270 lbs (122 kg)                         | 380 lbs (172 kg)        |
| 30" (762 mm) . . . . . | 306 lbs (139 kg)                         | 410 lbs (186 kg)        |
| 36" (914 mm) . . . . . | 346 lbs (157 kg)                         | 458 lbs (208 kg)        |
| 24" (610 mm) . . . . . | 405 lbs (184 kg)                         |                         |
|                        | (special high capacity trenching bucket) |                         |

### MOD HITCH

3 point hitch . . . . . 700 lbs (321 kg)

Extendahoe, 4-in-1 and Construction King are trademarks of the J I Case Company.  
**NOTE:** All specifications are stated in accordance with ICED definitions or SAE standards or recommended practices, where applicable.

#### IMPORTANT

J I Case Company reserves the right to change these specifications without notice and without incurring any obligation relating to such change.

**Sold and serviced by:**