MAXIMUM GROSS VEHICLE WEIGHS:

<table>
<thead>
<tr>
<th>Rating</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard</td>
<td>50,000 lbs.</td>
</tr>
<tr>
<td>With 16,000-lb Front Axle</td>
<td>54,000 lbs.</td>
</tr>
<tr>
<td>With Standard Front Axle and 44,000-lb Rear Axle</td>
<td>56,000 lbs.</td>
</tr>
<tr>
<td>With 16,000-lb Front Axle and 44,000-lb Rear Axle</td>
<td>60,000 lbs.</td>
</tr>
</tbody>
</table>

STANDARD EQUIPMENT

AXLE, FRONT
- FA-215 12,000-lb capacity
- Heat-treated forged-steel I-beam

AXLE, REAR
- RA-355 38,000-lb capacity, tandem drive
- Hypoid-gear single-reduction; 16" ring gears
- Heat-treated steel housings
- Full-floating; induction-hardened shafts
- Inter-axle differential power-divider, with air-operated lock
- Ratios: 4.10, 4.44, 4.78, 5.38, 6.14, 6.57, 7.17 or 8.17

CAB
- Ammeter; fuel, water temp., air and oil pressure gauges
- Speedometer, odometer and tachometer
- Hand throttle and choke
- Dual air-operated windshield wipers
- Outside extension-type rear view mirror, left side
- Laminated headliner; insulated vinyl floor mat
- Cab grab handles

CLUTCH
- 14-inch 15-spring single-plate, with vibration dampener

COOLING SYSTEM
- 28-quart capacity
- Radiator frontal area: 597 sq. inches
- 3-inch deep radiator core

ELECTRICAL SYSTEM
- 12-volt with 37-amp alternator
- Two 6-volt 150-amp-hr batteries
- Fuse panel under dashboard
- Cab dome light; cigar lighter
- Combination stop and tail light
- Parking lights; single electric horn
- Front directional signals: double-face, fender-mounted, with guard

Illustration May Include Optional Equipment
STANDARD EQUIPMENT (Continued)

ENGINE
International RD-450 gasoline six
Gross BHP: 199.3 @ 3000 rpm
Gross Torque: 418 lb-ft @ 1600 rpm
450 cu. in. displ.; 7.06 to 1 comp. ratio
Oil bath air cleaner; full-flow oil filter
Horizontal muffler and tail pipe

FUEL TANK
47-gallon steel center-step safety tank, right side

STEERING
S-41 steering gear, with jointed column
20-inch steering wheel

SUSPENSION
Front: 3 x 52" semi-elliptic steel leaf springs
Capacity: 12,000 lbs.
Rear: 38,000-lb capacity walking beam suspension
50-inch steel beams, with 50/50 distribution
Torque arms with rubber bushings
4 x 34" steel leaf springs
Capacity: 50,980 lbs.

FRAME
Heat-treated alloy-steel main rails, 10 x 3½ x ¾" steel
Inner reinforcement, 9½ x 3½ x ¾" steel
Combined section modulus: 24.74
Resisting bending moment: 1,960,000 in-lbs
Six, seven, nine or eleven crossmembers
Heavy-duty steel channel front bumper
Tubular grille guard, front tow pin

FINISH
Frame, bumper, wheels and fuel tank: black
Hood, cab and fenders: choice of any standard IH color

TRANSMISSION
T-62 5-speed constant-mesh, direct
Ratios: 8.08, 4.67, 2.62, 1.38, 1.00; 8.12 rev.

WHEELS and TIRES
Single front and dual rear
10.00 x 20, 12 PR tires and tubes
Cast steel spoke wheels, with 7.50V rims

OPTIONAL EQUIPMENT At Adjusted Cost

AXLE, FRONT
FA-136  16,000-lb with 16,000-lb springs and 16½ x 5" brakes

AXLE, REAR
RA-323  38,000-lb single-speed tandem drive
rear axle, with 16" ring gear, 50" beams and 16½ x 7" brakes
Ratios: 4.87, 5.57, 6.14, 6.50 or 7.17
RA-325  38,000-lb double-reduction tandem
rear axle, with 16" ring gear, 50" beams and 16½ x 7" brakes
Ratios: 5.90, 6.22, 7.60, 8.38 or 8.87
RA-356  44,000-lb double-reduction tandem
rear axle, with 16" ring gear, 54" beams and 16½ x 7" brakes
Ratios: 5.89, 6.65, 7.60, 8.38, 8.87 or 9.77

BRAKE, PARKING
Piggy-back mounted spring actuated
Band type with auxiliary transmission

BRAKES, SERVICE
12 cu-ft. air compressor
Semi-trailer connections, with breakaway and hand control valves
Front wheel limiting valve
BW air brake system in lieu of std. IH
Hand control valve for chassis brakes
RATINGS

MAXIMUM GROSS VEHICLE WEIGHTS:

- Standard: 50,000 lbs.
- With 16,000-lb Front Axle: 54,000 lbs.
- With Standard Front Axle and 44,000-lb Rear Axle: 56,000 lbs.
- With 16,000-lb Front Axle and 44,000-lb Rear Axle: 60,000 lbs.

STANDARD EQUIPMENT

- **AXLE, FRONT**
  - FA-215 12,000-lb capacity, heat-treated forged-steel I-beam

- **AXLE, REAR**
  - FA-355 38,000-lb capacity, tandem drive
  - Hypoid gear single-reduction; 16" ring gears
  - Heat-treated steel housings
  - Full-floating, induction-hardened shafts
  - Floating differential power-divider, with air-operated lock
  - Ratios: 4.10, 4.44, 4.77, 5.37, 6.14, 6.57, 7.17 or 8.17

- **BRAKE, PARKING**
  - DCM 12 x 4" drum type, at rear of transmission
  - Total lining area: 110.3 sq. inches

- **BRAKES, SERVICE**
  - Operated, with 7/8 cu. ft. compressor
  - Size: 16 1/2" x 3/4" front and 16 1/2" x 7" rear
  - Total lining area: 1,196.9 sq. inches
  - Single 2,430 cu. in. air reservoir
  - Low pressure warning buzzer

- **CLUTCH**
  - 14-inch 15-spring single-plate, with vibration dampener

- **COOLING SYSTEM**
  - 28-quart capacity
  - Radiator frontal area: 597 sq. inches
  - 3-inch deep radiator core

- **ELECTRICAL SYSTEM**
  - 12-volt with 37-amp alternator
  - Two 6-volt 150 amp-hr batteries
  - Fuse panel under dashboard
  - Cab dome light; cigar lighter
  - Combination stop and tail light
  - Parking lights; single electric horn
  - Front directional signals: double-face, fender-mounted, with guard

- **ENGINE**
  - International RD-450 gasoline six
  - Gross BHP: 199.3 @ 3000 rpm
  - Gross Torque: 418 lb-ft @ 1600 rpm
  - 450 cu. in. displ., 7.06 to 1 comp. ratio
  - Oil bath air cleaner; full-flow oil filter
  - Horizontal muffler and tail pipe

- **FENDERS**
  - Heavy-duty diamond tread plate steel fenders

- **FINISH**
  - Frame, bumper, wheels and fuel tank: black
  - Hood, cab and fenders: choice of any standard IH color

- **FRAME**
  - Heat-treated alloy-steel main rails, 10 x 3 3/8 x 3/8" Inner reinforcement, 9 1/2 x 3 1/2 x 1/4"
  - Combined section modulus: 24,74
  - Resisting bending moment: 1,960,000 in-lbs.
FRAME (Continued)
   Six, seven, nine or eleven crossmembers
   Heavy-duty steel channel front bumper
   Tubular grille guard, front tow pin

FUEL TANK
   47-gallon steel center-step safety tank, right side

STEERING
   S-41 steering gear, with jointed column
   20-inch steering wheel

SUSPENSION
   Front: 3 x 52" semi-elliptic steel leaf springs
       Capacity: 12,000 lbs.
   Rear: Walking beam suspension
         50-inch steel beams, with 50/50 distribution
         Torque arms with rubber bushings
         4 x 34" steel leaf springs
         Capacity: 44,000 lbs.

TRANSMISSION
   T-62 5-speed constant-mesh, direct
   Ratios: 8.08, 4.67, 2.62, 1.38, 1.00; 8.12 rev.

WHEELS and TIRES
   Single front and dual rear
   10.00 x 20, 12-PR tires and tubes
   Cast steel spoke wheels, with 7.50V rims
GROSS VEHICLE WEIGHT RATINGS: (GVWR)

<table>
<thead>
<tr>
<th></th>
<th>STANDARD GVWR</th>
<th>GVWR 56,620</th>
<th>GVWR 60,240</th>
<th>MAXIMUM GVWR W/ADVERTISED OPTIONS</th>
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<tbody>
<tr>
<td>Front Axle</td>
<td></td>
<td></td>
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<tr>
<td>Spring</td>
<td>FA-136</td>
<td>16,000</td>
<td>FA-136</td>
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<tr>
<td>Tire</td>
<td>Standard</td>
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<tr>
<td>Spring</td>
<td>RA-368</td>
<td>50,000</td>
<td>RA-368</td>
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<tr>
<td>Tire</td>
<td>Standard</td>
<td>65,000</td>
<td>Standard</td>
<td>65,000</td>
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<tr>
<td>RR-GAWR</td>
<td>41,920</td>
<td>43,440</td>
<td>46,880</td>
<td>53,440</td>
</tr>
</tbody>
</table>

* 8.00V Rim

Combinations of optional tires, springs and axles allow a wide range of GVWR selections between the standard and maximum GVWR's shown. See CT-400, Section 30, for library of component ratings and method for calculating specific GVWR's. Where higher GVWR's are required larger components must be specified.

STANDARD EQUIPMENT

AXLE, FRONT
- FA-215 12,000-lb capacity
- Heat-treated forged-steel I-beam

AXLE, REAR
- RA-355 38,000-lb capacity, tandem drive
- Hypoid-gear single-reduction
- Heat-treated steel housings
- Full-floating; induction-hardened shafts
- Inter-axle differential power-divider, with air-operated lock
- Ratios: 4.10, 4.44, 4.77, 5.37, 6.14, 6.57, 7.17 or 8.17

BRAKE, PARKING
- DCM 12 x 4" drum type, at rear of transmission
- Total lining area: 110.3 sq. inches

BRAKES, SERVICE
- Air-operated, with 7 1/4 cu. ft. compressor
- Size: 16 1/4 x 3 1/2" front and 16 1/4 x 7" rear
- Total lining area: 1188.1 sq. inches
- Single 2,430 cu. in. air reservoir
- Low pressure warning buzzer

CAB
- All steel, with safety glass windows
- Door locks both sides, with safety latches
- Individual driver's seat, with foam-rubber cushion and back rest
- Individual passenger seat, same as driver's
- Driver's arm rest; dual sun visors; ash tray
- Ammeter; fuel, water temp., air and oil pressure gauges
- Speedometer, odometer and tachometer
- Hand throttle and choke
- Dual air-operated windshield wipers
- Outside extension-type rear view mirror, left side
- Laminated headliner; insulated vinyl floor mat
- Cab grab handles
- Electric windshield washers
- Fresh air heater and defroster

CLUTCH
- 14-inch 15-spring single-plate, with vibration dampener

COOLING SYSTEM
- 28-quart capacity
- Radiator frontal area: 597 sq. inches
- 3-inch deep radiator core
- Permanent type anti-freeze —20°F

ELECTRICAL SYSTEM
- 12-volt with 37-amp alternator
- Two 6-volt 150 amp-hr batteries
- Fuse panel under dashboard
- Cab dome light; cigar lighter
- Combination stop and tail light
- Parking lights; single electric horn
- Front directional signals: double-face, fender-mounted, with side reflectors and lamps
- Two front clearance and three identification lamps
- Dual stop and tail lamps; back-up light
- Rear directional signals
- Amber side reflectors
- Traffic hazard switch

ENGINE
- International RD-450 gasoline six
- Gross BHP: 202.0 @ 3000 rpm
- Gross Torque: 422 lb-ft @ 1600 rpm
- 450 cu. in. displ. 7.06 to 1 comp, ratio
- Oil bath air cleaner; full-flow oil filter
- Horizontal muffler and tail pipe
- Exhaust Emission Control

FENDERS
- Heavy-duty diamond tread plate steel fenders

FINISH
- Frame, bumper, wheels and fuel tank: black
- Hood, cab and fenders: choice of any standard IH color

FRAME
- Heat-treated alloy-steel main rails, 10 x 3 1/2 x 3/8"
- Inner reinforcement, 9 1/2 x 3 1/6 x 3/16"
- Combined section modulus: 24,69
- Resisting bending moment: 2,714,800 in-lbs.
STANDARD EQUIPMENT (Continued)

FRAME (Continued)
Six, seven, nine or eleven crossmembers
Heavy-duty steel channel front bumper
Tubular grille guard, front tow pin

FUEL TANK
47-gallon steel center-step safety tank, right side

STEERING
S-41 steering gear, with jointed column
20-inch steering wheel

SUSPENSION
Front: 3 x 52" semi-elliptic steel leaf springs
   Capacity: 12,000 lbs.

SUSPENSION (Continued)
Rear: Walking beam suspension
   50-inch steel beams, with 50/50 distribution
   Torque arms with rubber bushings
   4 x 34" steel leaf springs
   Capacity: 38,000 lbs.

TRANSMISSION
T-402 5-speed constant-mesh, direct
   Ratios: 7.40, 3.95, 2.20, 1.37, 1.00; 7.43 rev.

WHEELS and TIRES
Single front and dual rear
10.00 x 20, 12 PR tires and tubes
Cast steel spoke wheels, with 7.50V rims

OPTIONAL EQUIPMENT

AXLE, FRONT
FA-136 16,000-lb with 16,000-lb springs,
   16½ x 5" brakes, and S-37 steering gear with
   RD engines, S-45 steering with V8 engines

AXLE, REAR
RA-390 38,000-lb single-speed tandem
   drive rear axle, 50" beams and
   16½ x 7" brakes
   Ratios: 4.87, 5.57, 6.14, 6.50 or 7.17
RA-392 38,000-lb double-reduction
   tandem drive rear axle, with 50" beams and
   16½ x 7" brakes
   Ratios: 5.89, 6.21, 7.60, 8.38 or 8.87
RA-395 44,000-lb double-reduction tandem
   drive rear axle, with 54" beams and
   16½ x 7" brakes
   Ratios: 5.89, 6.65, 7.60, 8.38, 8.87 or 9.77

BRAKE, PARKING
Piggy-back mounted spring-actuated
Band type with auxiliary transmission
   (except with AT-540 or AT-546)
Extra 462 cu. in. air tank to release spring-loaded brakes
DGM 12 x 5"

BRAKES, SERVICE
12 cu. ft. air compressor
Semi-trailer connections, with breakaway
   and hand control valves
Front wheel limiting valve
BW air brake system in lieu of std. IH
Hand control valve for chassis brakes

CAB
Bostrom torsion-bar driver's seat
Inside rear-view mirror
Right side extension-type rear-view mirror
Right side arm rest
Tinted glass; divided windshield
Sliding rear window
King size rear view mirrors

CLUTCH
14-inch 15-spring with heavy-duty lining

COOLING SYSTEM
Increased capacity system
Automatic radiator shutters for RD-450, RD-501

ELECTRICAL SYSTEM
55-amp alternator
Two 6-volt 200 amp-hr batteries
Dual electric horns
Dual air horns
Transistorized ignition system

ENGINE
RD-501 214.8-BHP gasoline six
V-478 234-BHP gasoline V8*
V-549 256.8-BHP gasoline V8*
Tachometer; Oil cooler
High-altitude equipment, for RD-501
Automatic magnetic fan drive
Front-end PTO adapter plate
IH flywheel PTO
*Includes automatic radiator shutters

FRAME
Fishplate reinforcements
Rear tow loop; pintle hook

FUEL TANKS
Dual 47-gallon steel center-step safety tanks
   Right, left or dual 63-gallon steel center-step
   safety tanks
   63-gallon left and 47-gallon right
   steel center-step safety tanks
   Single or dual electric in-tank fuel pumps

STEERING
Hydraulic power assist system,
   with dual power cylinders and oil cooler

TRANSMISSION
T-132 heavy-duty 5-speed, direct
T-401 5-speed, direct; 1.16 fourth gear
T-403 5-speed, direct; 1.57 fourth gear
T-411 heavy-duty 5-speed, direct;
   1.16 fourth gear
T-412 heavy-duty 5-speed, direct; 1.37 fourth gear
T-413 heavy-duty 5-speed, direct; 1.57 fourth gear
   3-speed auxiliaries, with or without PTO's

WHEELS and TIRES
Optional tire sizes as shown on page 8-7
10-stud steel disc wheels
DIMENSIONS AND WEIGHTS

DIMENSIONS COMMON TO ALL WHEELBASES, with 10.00 x 20 TIRES

Overall Width: 92" at front fenders
Overall Height: 96" at top of cab
Ground Clearance: 9" at front axle
9.4" at rear axle
Frame Height at Rear Axle: 41.7" empty
39.3" loaded

CHASSIS DIMENSIONS and WEIGHTS

<table>
<thead>
<tr>
<th>WB'</th>
<th>Front</th>
<th>Rear</th>
<th>Total</th>
<th>CA</th>
<th>CF</th>
<th>AF</th>
<th>OAL</th>
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</thead>
<tbody>
<tr>
<td>157&quot;</td>
<td>5,855</td>
<td>7,380</td>
<td>13,235</td>
<td>84&quot;</td>
<td>150&quot;</td>
<td>66&quot;</td>
<td>268.2&quot;</td>
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<td>175&quot;</td>
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<td>13,625</td>
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<td>234&quot;</td>
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<tr>
<td>259&quot;</td>
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<td>7,240</td>
<td>13,805</td>
<td>186&quot;</td>
<td>254&quot;</td>
<td>68&quot;</td>
<td>372.5&quot;</td>
</tr>
</tbody>
</table>

Turning Radius

To Centerline of Tire: 25 ft. 6 in. to 40 ft. 4 in.
With Bumper Clearance: 27 ft. 4 in. to 42 ft. 2 in.

Minimum wheelbase for auxiliary transmission = 164" with RA-355; 161" with optional rear axles.

TIRE DIMENSIONS

<table>
<thead>
<tr>
<th>Tire Size</th>
<th>CAST WHEELS</th>
<th>DISC WHEELS</th>
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<td>10.00x20</td>
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<td>11.00x22</td>
</tr>
<tr>
<td>7.50V</td>
<td>11.00x20</td>
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</tr>
<tr>
<td>7.50V</td>
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<td>77.5&quot;</td>
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In order that product improvements may be introduced at any time, specifications are subject to change without notice.
MAXIMUM GROSS VEHICLE WEIGHTS:

<table>
<thead>
<tr>
<th>Rating Description</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard</td>
<td>50,000 lbs.</td>
</tr>
<tr>
<td>With 16,000-lb Front Axle</td>
<td>54,000 lbs.</td>
</tr>
<tr>
<td>With Standard Front Axle and 44,000-lb Rear Axle</td>
<td>56,000 lbs.</td>
</tr>
<tr>
<td>With 16,000-lb Front Axle and 44,000-lb Rear Axle</td>
<td>60,000 lbs.</td>
</tr>
</tbody>
</table>

STANDARD EQUIPMENT

AXLE, FRONT
FA-215 12,000-lb capacity
Heat-treated forged-steel I-beam

AXLE, REAR
RA-355 38,000-lb capacity, tandem drive
Hypoid-gear single-reduction; 16" ring gears
Heat-treated steel housings
Full-floating; induction-hardened shafts
Inter-axle differential power-divider, with air-operated lock
Ratios: 4.10, 4.44, 4.78, 5.38, 6.14, 6.57, 7.17 or 8.17

CAB
All steel, with safety glass windows
Door locks both sides, with safety latches
Individual driver's seat, with foam-rubber cushion and back rest
Individual passenger seat, same as driver's
Driver's arm rest; dual sun visors; ash tray
Ammeter; fuel, water temp., air and oil pressure gauges
Speedometer, odometer and tachometer
Hand throttle and choke
Dual air-operated windshield wipers
Outside extension-type rear view mirror, left side
Laminated headliner; insulated vinyl floor mat
Cab grab handles

BRAKE, PARKING
DCM 12 x 4" drum type, at rear of transmission
Total lining area: 111 sq. inches

BRAKES, SERVICE
Air-operated, with 12 cu. ft. compressor
Size: 16\(\frac{1}{2}\) x 3\(\frac{3}{4}\)" front and 16\(\frac{1}{2}\) x 7" rear
Total lining area: 1189.6 sq. inches
Single 2,490 cu. in. air reservoir
Low pressure warning buzzer

COOLING SYSTEM
36.7-quart capacity
Radiator frontal area: 881 sq. inches
3-inch deep radiator core
Automatic radiator shutters

Illustration May Include Optional Equipment

(Continued)
STANDARD EQUIPMENT (Continued)

ELECTRICAL SYSTEM
- 12-volt with 55-amp alternator
- Four 6-volt 150-amp-hr batteries
- Fuse panel under dashboard
- Cab dome light; cigar lighter
- Combination stop and tail light
- Parking lights; single electric horn
- Front directional signals: double-face, fender-mounted, with guard

ENGINE
- Cummins NH-180 diesel six
- Gross BHP: 180 @ 2100 rpm
- Gross Torque: 505 lb-ft @ 1450 rpm
- 672 cu. in. displ.; 15.5 to 1 comp. ratio
- Oil bath air cleaner; full-flow oil filter
- Vertical muffler and exhaust pipe

FUEL TANK
- 47-gallon steel center-step safety tank, right side

STEERING
- S-41 steering gear, with jointed column
- 20-inch steering wheel

SUSPENSION
- Front: 3 x 52" semi-elliptic steel leaf springs
- Rear: 38,000-lb capacity walking beam suspension
- 50-inch steel beams, with 50/50 distributor
- Torque arms with rubber bushings
- 4 x 34" steel leaf springs
- Capacity: 50,980 lbs.

TRANSMISSION
- T-104 5-speed constant-mesh, direct
- Ratios: 6.60, 3.61, 1.98, 1.17, 1.00; 6.51 rev.

WHEELS and TIRES
- Single front and dual rear
- 10.00 x 20, 12 PR tires and tubes
- Cast steel spoke wheels, with 7.50V rims

FENDERS
- Heavy-duty diamond tread plate steel fenders

FINISH
- Frame, bumper, wheels and fuel tank: black
- Hood, cab and fenders: choice of any standard IH color

FRAME
- Heat-treated alloy-steel main rails, 10 x 31/2 x 3/16"
- Inner reinforcement, 91/2 x 31/8 x 1/4"
- Combined section modulus: 24.74
- Resisting bending moment: 1,960,000 in-lbs.
- Six, seven, nine or eleven crossmembers
- Heavy-duty steel channel front bumper
- Tubular grille guard, front tow pin

OPTIONAL EQUIPMENT At Adjusted Cost

AXLE, FRONT
- FA-136 16,000-lb, with 16,000-lb springs and 161/2 x 6" brakes

AXLE, REAR
- RA-323 38,000-lb single-speed tandem drive rear axle, with 16" ring gear, 50" beams and 161/2 x 7" brakes
- Ratios: 4.87, 5.57, 6.14, 6.50 or 7.17
- RA-325 38,000-lb double-reduction tandem drive rear axle, with 16" ring gear, 50" beams and 161/2 x 7" brakes
- Ratios: 5.90, 6.22, 7.60, 8.38 or 8.87
- RA-356 44,000-lb double-reduction tandem drive rear axle, with 16" ring gear, 54" beams and 161/2 x 7" brakes
- Ratios: 5.89, 6.65, 7.60, 8.38, 8.87 or 9.77

BRAKE, PARKING
- Piggy-back mounted spring-actuated Band type, with auxiliary transmission

BRAKES, SERVICE
- Semi-trailer connections, with breakaway and hand control valves
- Front wheel limiting valve
- BW air brake system in lieu of std. IH
- Hand control valve for chassis brakes

CAB
- Bostrom torsion-bar driver's seat
- Inside rear-view mirror
- Right side extension-type rear-view mirror
**RATINGS**

**MAXIMUM GROSS VEHICLE WEIGHTS:**
- Standard: 50,000 lbs.
- With 16,000-lb Front Axle: 54,000 lbs.
- With Standard Front Axle and 44,000-lb Rear Axle: 56,000 lbs.
- With 16,000-lb Front Axle and 44,000-lb Rear Axle: 60,000 lbs.

**STANDARD EQUIPMENT**

**AXLE, FRONT**
- 14-ton 12,000-lb capacity
- Heat-treated forged-steel I-beam

**AXLE, REAR**
- 346 38,000-lb capacity, tandem drive
- Hypoid-gear single-reduction; 16" ring gears
- Heat-treated steel housings
- Full-floating; induction-hardened shafts
- Inter-axle differential power-divider, with air-operated lock
- 10, 4.44, 4.77, 5.37, 6.14, 6.57, 7.17 or 8.17

**MAKE, PARKING**
- 12 x 5" band type, at rear of transmission
- Total lining area: 130.8 sq. inches

**DRAKE, PARKING**
- Air-operated, with 12 cu. ft. compressor
- Size: 16" x 3¾" front and 16½ x 7" rear
- Total lining area: 1,196.9 sq. inches
- Single 2,430 cu. in. air reservoir
- Low pressure warning buzzer

**ENGINE**
- Cummins NH-180 diesel six
- Gross BHP: 180 @ 2100 rpm
- Gross Torque: 505 lb-ft @ 1450 rpm
- 672 cu. in. displ.; 15.5 to 1 comp. ratio
- Oil bath air cleaner; full-flow oil filter
- Vertical muffler and exhaust pipe

**COOLING SYSTEM**
- 36.7 quart capacity
- Radiator frontal area: 881 sq. inches
- 3-inch deep radiator core
- Automatic radiator shutters

**ELECTRICAL SYSTEM**
- 12-volt with 55-amp alternator
- Four 6-volt 150 amp-hr batteries
- Fuse panel under dashboard
- Cab dome light; cigar lighter
- Combination stop and tail light
- Parking lights; single electric horn
- Front directional signals; double-face, fender-mounted, with guard

**FENDERS**
- Heavy-duty diamond tread plate steel fenders

**FINISH**
- Frame, bumper, wheels and fuel tank: black
- Hood, cab and fenders: choice of any standard IH color

**FRAME**
- Heat-treated alloy-steel main rails, 10 x 3½ x ½"  
  Inner reinforcement, 9½ x 3¾ x ¼"  
  Combined section modulus: 24.74  
  Resisting bending moment: 1,960,000 in-lbs.
- Six, seven, nine or eleven crossmembers
- Heavy-duty steel channel front bumper
- Tubular grille guard, front tow pin

**FUEL TANK**
- 47-gallon steel center-step safety tank, right side

**STEERING**
- S-41 steering gear, with jointed column
- 20-inch steering wheel

*Illustration May Include Optional Equipment*
STANDARD EQUIPMENT (Continued)

SUSPENSION
Front: 3 x 52" semi-elliptic steel leaf springs  
Capacity: 12,000 lbs.
Rear: 38,000-lb capacity walking beam suspension  
50-inch steel beams, with 50/50 distribution  
Torque arms with rubber bushings  
4 x 34" steel leaf springs  
Capacity: 44,000 lbs.

TRANSMISSION
T-104 5-speed constant-mesh, direct  
Ratios: 6.60, 3.61, 1.98, 1.17, 1.00; 6.51 rev.

WHEELS and TIRES
Single front and dual rear  
10.00 x 20, 12-PR tires and tubes  
Cast steel spoke wheels, with 7.50V rims
Vehicle illustrated may include Optional Equipment and does not necessarily include all standard equipment.

GROSS VEHICLE WEIGHT RATINGS: (GVWR)

<table>
<thead>
<tr>
<th></th>
<th>STANDARD GVWR</th>
<th>MAXIMUM GVWR W/ADVERTISED OPTIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>48,860</td>
<td>51,360</td>
</tr>
<tr>
<td>AXLE, FRONT</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Spring</td>
<td>FA-215</td>
<td>FA-136</td>
</tr>
<tr>
<td>Tire</td>
<td>12,000</td>
<td>12,000</td>
</tr>
<tr>
<td></td>
<td>10.00 x 20 - 12 PR</td>
<td>12.00 x 20 - 14 PR + 13,360</td>
</tr>
<tr>
<td></td>
<td>10,860</td>
<td></td>
</tr>
<tr>
<td>AXLE, REAR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Spring</td>
<td>RA-355</td>
<td>RA-395</td>
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<tr>
<td>Tire</td>
<td>38,000</td>
<td>38,000</td>
</tr>
<tr>
<td></td>
<td>10.00 x 20 - 12 PR</td>
<td>10.800</td>
</tr>
<tr>
<td></td>
<td>38,080</td>
<td></td>
</tr>
<tr>
<td></td>
<td>38,000</td>
<td></td>
</tr>
</tbody>
</table>

* 8.00V Rim-Disc.

Combinations of optional tires, springs and axles allow a wide range of GVWR selections between the standard and maximum GVWR's shown. See CT-400, Section 30, for library of component ratings and method of calculating specific GVWR's. Where higher GVWR's are required larger components must be specified.

STANDARD EQUIPMENT

COOLING SYSTEM (Continued)
Bolted radiator w/de-aeration system
Permanent type anti-freeze -20°F

ELECTRICAL SYSTEM
12-volt with 55-amp alternator
Four 6-volt 150 amp-hr batteries
Fuse panel under dashboard
Cab dome light; cigar lighter
Combination stop and tail light
Parking lights; single electric horn
Front directional signals; double-face, fender-mounted, with side reflectors and lamps
Two front clearance and three identification lamps
Dual stop and tail lamps; back-up light
Rear directional signals
Traffic hazard switch
Amber side reflectors

ENGINE
Cummins NH-200 diesel six
Gross BHP: 200 @ 2100 rpm
Gross Torque: 590 @ 1500
743 cu. in. displ.; 15 to 1 comp. ratio
Oil bath air cleaner; full-flow oil filter
Vertical muffler and exhaust pipe

FENDERS
Heavy-duty diamond tread plate steel fenders

FINISH
Frame, bumper, wheels and fuel tank: black
Hood, cab and fenders: choice of any standard IH color

FRAME
Heat-treated alloy-steel main rails, 10 x 3½ x 3/8" and 14 x 3½ x 1/2"
Inner reinforcement, 9½ x 3¼ x ¾"
Combined section modulus: 24,69
Resisting bending moment: 2,714,800 in-lbs.
Six, seven, nine or eleven crossmembers
Heavy-duty steel channel front bumper
Tubular grille guard, Front tow pin

FUEL TANK
47-gallon steel center-step safety tank, right side

STEERING
S-41 steering gear, with jointed column
20-inch steering wheel

AXLE, FRONT
FA-215 12,000-lb capacity
Heat-treated forged-steel I-beam

AXLE, REAR
RA-355 38,000-lb capacity, tandem drive
Hypoid-gear single-reduction
Heat-treated steel housings
Full-floating; induction-hardened shafts
Inter-axle differential power-divider, with air-operated lock
Ratios: 4.10, 4.44, 4.77, 5.37, 6.14, 6.57, 7.17 or 8.17

BRAKE, PARKING
12 x 5" band type, at rear of transmission
Total lining area: 130.8 sq. inches

BRAKES, SERVICE
Air-operated, with 12 cu. ft. compressor
Size: 16½ x 3½" front and 16½ x 7" rear
Total lining area: 1188.1 sq. inches
Single 2,430 cu. in. air reservoir
Low pressure warning buzzer

CAB
All steel, with safety glass windows
Door locks both sides, with safety latches
Individual driver's seat, with foam-rubber cushion and back rest
Individual passenger seat, same as driver's
Driver's arm rest; dual sun visors; ash tray
Ammeter: fuel, water temp., air and oil pressure gauges
Speedometer, odometer and tachometer
Dual air-operated windshield wipers
Outside extension-type rear view mirror, left side
Laminated headliner; insulated vinyl floor mat
Grab handles
Electric windshield washers
Fresh air heater and defroster

CLUTCH
14-inch two-plate with vibration dampener

COOLING SYSTEM
50 quart capacity
Radiator frontal area; 873 sq. inches
3-inch deep radiator core
Automatic radiator shutters
STANDARD EQUIPMENT (Continued)

SUSPENSION
Front: 3 x 52" semi-elliptic steel leaf springs
  Capacity: 12,000 lbs.
Rear: Walking beam suspension
  50-inch steel beams, with 50/50 distribution
  Torque arms with rubber bushings
  4 x 34" steel leaf springs
  Capacity: 38,000 lbs.

TRANSMISSION
T-135 5-speed constant-mesh, direct
  Ratios: 6.60, 3.61, 1.98, 1.17, 1.00; 6.51 rev.

WHEELS and TIRES
Single front and dual rear
  10.00 x 20, 12-PR tires and tubes
  Cast steel spoke wheels, with 7.50V rims

OPTIONAL EQUIPMENT

AXLE, FRONT
FA-136 16,000-lb with 16,000-lb springs,
  16½ x 5" brakes and S-37 steering gear

AXLE, REAR
RA-390 38,000-lb single-speed tandem drive
  rear axle, with 50" beams and
  16½ x 7" brakes
  Ratios: 4.87, 6.14, 6.50 or 7.17
RA-392 38,000-lb double-reduction tandem drive rear axle, with 50" beams and 16½ x 7" brakes
  Ratios: 5.89, 6.21, 7.60, 8.38 or 8.87
RA-395 44,000-lb double-reduction tandem drive rear axle, with 54" beams and 16½ x 7" brakes
  Ratios: 5.89, 6.65, 7.60, 8.38, 8.87 or 9.77

BRAKE, PARKING
DCM 12 x 5" drum type for AT-540, AT-546 aux. trans.
Piggy-back mounted spring-actuated
Extra 462 cu. in. air tank to release spring-loaded brakes

BRAKES, SERVICE
Semi-trailer connections, with breakaway and hand control valves
Front wheel limiting valve
BW air brake system in lieu of std. IH
Hand control valve for chassis brakes

FRAME
Fishplate reinforcements
Rear tow loop. Pintle hook
Front tow hooks

FUEL TANKS
Dual 47-gallon steel center-step safety tanks
63-gallon steel center-step safety tank, left side
63-gallon left and 47-gallon right steel center-step safety tanks

STEERING
Hydraulic power assist system,
  with dual power cylinders and oil cooler

TRANSMISSION
T-132, F-136 5-speed, direct
T-252 5-speed, overdrive
T-355 (7452-A) 5-speed, constant-mesh, direct
T-356 (7452-B) 5-speed, constant-mesh, direct
T-371 4-speed, direct
T-377 5-speed, overdrive
AT-540 or AT-546 auxiliaries
  Power-take-offs for auxiliary transmissions

WHEELS and TIRES
Optional tire sizes as shown on page 8-11
  10-stud steel disc wheels
INTERNATIONAL®

MODEL F-230

MAXIMUM GROSS VEHICLE WEIGHTS:

<table>
<thead>
<tr>
<th>Rating</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard</td>
<td>66,000 lbs.</td>
</tr>
<tr>
<td>With 18,000-lb Front and Standard Rear Axle</td>
<td>68,000 lbs.</td>
</tr>
<tr>
<td>With Standard Front and 60,000-lb Rear Axles</td>
<td>76,000 lbs.</td>
</tr>
<tr>
<td>With 18,000-lb Front and 60,000-lb Rear Axles</td>
<td>78,000 lbs.</td>
</tr>
</tbody>
</table>

STANDARD EQUIPMENT

AXLE, FRONT
FA-136 16,000-lb capacity
Heat-treated forged-steel I-beam

AXLE, REAR
RA-375 50,000-lb capacity, tandem drive
Hypoid and herringbone gear double-reduction
Heat-treated steel housings
Full-floating; induction-hardened shafts
Inter-axle differential power-divider, with air-operated lock
Ratios: 7.10, 7.74 or 9.27

BRAKE, PARKING
DCM 12 x 4" drum type, at rear of transmission
Total lining area: 111 sq. inches

CAB
All steel, with safety glass windows
Door locks both sides, with safety latches
Individual driver's seat, with foam-rubber cushion and back rest
Individual passenger seat, same as driver's
Driver's arm rest; dual sun visors; ash tray
Ammeter; fuel, water temp., air and oil pressure gauges
Speedometer, odometer and tachometer
Hand throttle and choke
Dual air-operated windshield wipers
Outside extension-type rear view mirror, left side
Laminated headliner; insulated vinyl floor mat
Cab grab handles

CLUTCH
14-inch 15-spring single plate, with heavy-duty lining and vibration dampener

BRAKES, SERVICE
Air-operated, with 12 cu. ft. compressor
Size: 16½ x 5" front and 16½ x 7" rear
Total lining area: 1262 sq. inches
Single 2,490 cu. in. air reservoir
Low pressure warning buzzer

COOLING SYSTEM
28-quart capacity
Radiator frontal area: 597 sq. inches
3-inch deep radiator core
Automatic radiator shutters

(*Continued*)
STANDARD EQUIPMENT (Continued)

ELECTRICAL SYSTEM
12-volt with 37-amp alternator
Two 6-volt 150-amp-hr batteries
Fuse panel under dashboard
Cab dome light; cigar lighter
Combination stop and tail light
Parking lights; single electric horn
Front directional signals: double-face, fender-mounted, with guard

FUEL TANK
47-gallon steel center-step safety tank, right side

STEERING
S-37 steering gear, with jointed column
20-inch steering wheel
Hydraulic power assist system, with dual power cylinders and oil cooler

ENGINE
International RD-501 gasoline six
Gross BHP: 214.8 @ 3000 rpm
Gross Torque: 451 lb-ft @ 1600 rpm
501 cu. in. displ.; 6.78 to 1 comp. ratio
Oil bath air cleaner; full-flow oil filter
Horizontal muffler and tail pipe

SUSPENSION
Front: 4 x 48" semi-elliptic steel leaf springs
Capacity: 16,000 lbs.
Rear: Heavy-duty walking beam suspension
54-inch steel beams, with 50/50 distribution
Torque arms with rubber bushings
4 x 34" steel leaf springs
Capacity: 50,980 lbs.

TRANSMISSION
T-71 5-speed constant-mesh, direct
Ratios: 8.08, 4.67, 7.62, 1.38, 1.00;
Reverse: 4.74 and 8.12

FINISH
Frame, bumper, wheels and fuel tank: black
Hood, cab and fenders: choice of any standard IH color

WHEELS and TIRES
Single front and dual rear
11.00 x 20, 12 PR tires and tubes
Cast steel spoke wheels, with 7.50V rims

FRAME
Heat-treated alloy-steel main rails, 10 x 3½ x ⅛"  
Inner reinforcement, 9½ x 3½ x ⅛"  
Combined section modulus: 24.74
Resisting bending moment: 1,960,000 in-lbs.
Six, seven, nine or eleven crossmembers
Heavy-duty steel channel front bumper
Tubular grille guard. Front tow pin
RATINGS

MAXIMUM GROSS VEHICLE WEIGHTS:

- Standard ......................................................... 66,000 lbs.
- With 18,000-lb Front and Standard Rear Axle .................. 68,000 lbs.
- With Standard Front and 60,000-lb Rear Axles ................. 76,000 lbs.
- With 18,000-lb Front and 60,000-lb Rear Axles ............. 78,000 lbs.

STANDARD EQUIPMENT

**AXLE, FRONT**
- FA-136 16,000-lb capacity
- Heat-treated forged-steel I-beam

**AXLE, REAR**
- RA-375 50,000-lb capacity, tandem drive
- Hypoid and herringbone gear double-reduction
- Heat-treated steel housings
- Full-floating; induction-hardened shafts
- Inter-axle differential power-divider, with
  - air-operated lock
- Ratios: 7.10, 7.74 or 9.27

**BRAKE, PARKING**
- 12x5" band type, at rear of transmission
- Total lining area: 130.8 sq. inches

**BRAKES, SERVICE**
- Air-operated, with 12 cu. ft. compressor
- Size: 16½ x 5" front and 16½ x 7" rear
- Total lining area: 1,270.2 sq. inches
- Single 2,430 cu. in. air reservoir
- Low pressure warning buzzer

**CAB**
- All steel, with safety glass windows
- Door locks both sides, with safety latches
- Individual driver's seat, with foam-rubber cushion and back rest
- Individual passenger seat, same as driver's
- Driver's arm rest; dual sun visors; ash tray
- Ammeter; fuel, water temp., air and oil pressure gauges
- Speedometer, odometer and tachometer
- Hand throttle and choke
- Dual air-operated windshield wipers
- Outside extension-type rear view mirror, left side
- Laminate headliner; insulated vinyl floor mat
- Cab grab handles

**CLUTCH**
- 14-inch 15-spring single plate, with
  - heavy-duty lining and vibration dampener

**COOLING SYSTEM**
- 28-quart capacity
- Radiator frontal area: 597 sq. inches
- 3-inch deep radiator core
- Automatic radiator shutters

**ELECTRICAL SYSTEM**
- 12-volt with 37-amp alternator
- Two 6-volt 150 amp-hr batteries
- Fuse panel under dashboard
- Cab dome light, cigar lighter
- Combination stop and tail light
- Parking lights; single electric horn
- Front directional signals: double-face, fender-mounted, with guard

**ENGINE**
- International RD-501 gasoline six
- Gross BHP: 214.8 @ 3000 rpm
- Gross Torque: 451 lb-ft @ 1600 rpm
- 501 cu. in. displ.; 6.78 to 1 comp. ratio
- Oil bath air cleaner; full-flow oil filter
- Horizontal muffler and tail pipe

**FENDERS**
- Heavy-duty diamond tread plate
- steel fenders

**FINISH**
- Frame, bumper, wheels and fuel tank: black
- Hood, cab and fenders: choice of any standard IH color

Illustration May Include Optional Equipment
STANDARD EQUIPMENT  (Continued)

FRAME
  Heat-treated alloy-steel main rails, 10 x 3 1/2 x 3/8"  
  Inner reinforcement, 9 1/2 x 3 3/8 x 1/4"  
  Combined section modulus: 24.74  
  Resisting bending moment: 1,960,000 in-lbs.  
  Six, seven, nine or eleven crossmembers  
  Heavy-duty steel channel front bumper  
  Tubular grille guard. Front tow pin

SUSPENSION
  Front: 4 x 48" semi-elliptic steel leaf springs  
  Capacity: 16,000 lbs.  
  Rear: Heavy-duty walking beam suspension  
  54-inch steel beams, with 50/50 distribution  
  Torque arms with rubber bushings  
  3 x 45" steel leaf springs  
  Capacity: 50,000 lbs.

FUEL TANK
  47-gallon steel center-step safety tank, right side  
  Single or dual in-tank fuel pump

STEERING
  S-37 steering gear, with jointed column  
  20-inch steering wheel  
  Hydraulic power assist system, with  
  dual power cylinders and oil cooler

TRANSMISSION
  T-71 5-speed constant-mesh, direct  
  Ratios: 8.08, 4.67, 7.62, 1.38, 1.00;  
  Reverse: 4.74 and 8.12

WHEELS and TIRES
  Single front and dual rear  
  11.00 x 20, 12-PR tires and tubes  
  Cast steel spoke wheels, with 7.50V rims


**GROSS VEHICLE WEIGHT RATINGS: (GVWR)**

<table>
<thead>
<tr>
<th></th>
<th>STANDARD GVWR</th>
<th>MAXIMUM GVWR W/ADVERTISED OPTIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>48,860</td>
<td>51,360</td>
</tr>
<tr>
<td>FRONT AXLE</td>
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</tr>
<tr>
<td>Spring</td>
<td>FA-215</td>
<td>FA-136</td>
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<td>Tire</td>
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</table>

* 8.00V Rim-Disc.

Combinations of optional tires, springs and axles allow a wide range of GVWR selections between the standard and maximum GVWR's shown. See CT-400, Section 30, for library of component ratings and method of calculating specific GVWR's. Where higher GVWR's are required larger components must be specified.

**STANDARD EQUIPMENT**

**AXLE, FRONT**  
FA-136 16,000-lb capacity  
Heat-treated forged-steel I-beam

**AXLE, REAR**  
RA-368 50,000-lb capacity, tandem drive  
Hypoid and herringbone gear double-reduction  
Heat-treated steel housings  
Full-floating; induction-hardened shafts  
Inter-axle differential power-divider, with with air-operated lock  
Ratios: 7.54 or 8.31

**BRAKE, PARKING**  
12 x 5" band type, at rear of transmission  
Total lining area: 130.8 sq. inches

**BRAKES, SERVICE**  
Air-operated, with 12 cu. ft. compressor  
Size: 16½ x 5" front and 16½ x 7" rear  
Total lining area: 1261.4 sq. inches  
Single 2,430 cu. in. air reservoir  
Low pressure warning buzzer

**CAB**  
All steel, with safety glass windows  
Door locks both sides, with safety latches  
Individual driver's seat, with foam-rubber cushion and back rest  
Individual passenger seat, same as driver's  
Driver's arm rest; dual sun visors; ash tray  
Ammeter; fuel, water temp., air and oil pressure gauges  
Speedometer, odometer and tachometer  
Hand throttle and choke  
Dual air-operated windshield wipers  
Outside extension-type rear view mirror, left side  
Laminated headliner; insulated vinyl floor mat  
Cab grab handles  
Electric windshield washers  
Fresh air heater and defroster

**CLUTCH**  
14-inch 15-spring single plate, with heavy-duty lining and vibration dampener

**COOLING SYSTEM**  
28-quart capacity  
Radiator frontal area: 597 sq. inches  
3-inch deep radiator core  
Automatic radiator shutters  
Permanent type anti-freeze—20°F

**ELECTRICAL SYSTEM**  
12-volt with 37-amp alternator  
Two 6-volt 150 amp-hr batteries  
Fuse panel under dashboard  
Cab dome light, cigar lighter  
Combination stop and tail light  
Parking lights; single electric horn  
Front directional signals: double-face, fender-mounted, with side reflectors and lamps  
Two front clearance and three identification lamps  
Dual stop and tail lights; back up light  
Rear directional signals  
Traffic hazard switch  
Amber side reflectors

**ENGINE**  
International RD-501 gasoline six  
Gross BHP: 214.8 @ 3000 rpm  
Gross Torque: 451 lb-ft @ 1400 rpm  
501 cu. in. displ. 6.78 to 1 comp. ratio  
Oil bath air cleaner; full-flow oil filter  
Horizontal muffler and tail pipe  
Exhaust Emission Control

**FENDERS**  
Heavy-duty diamond tread plate steel fenders

**FINISH**  
Frame, bumper, wheels and fuel tank: black  
Hood, cab and fenders: choice of any standard IH color

Vehicle illustrated may include Optional Equipment and does not necessarily include all standard equipment.
STANDARD EQUIPMENT (Continued)

FRAME
Heat-treated alloy-steel main rails, 10 x 3\(\frac{1}{2}\) x 3\(\frac{1}{4}\)
Inner reinforcement, 9\(\frac{1}{2}\) x 3\(\frac{1}{2}\) x 3\(\frac{1}{4}\)
Combined section modulus: 24.69
Resisting bending moment: 2,714,800 in-lbs.
Six, seven, nine or eleven crossmembers
Heavy-duty steel channel front bumper
Tubular grille guard. Front tow pin

FUEL TANK
47-gallon steel center-step safety tank, right side
Single or dual in-tank fuel pump

STEERING
S-37 steering gear, with jointed column
20-inch steering wheel
Hydraulic power assist system, with dual power cylinders and oil cooler

SUSPENSION
Front: 4 x 48" semi-elliptic steel leaf springs
Capacity: 16,000 lbs.
Rear: Heavy-duty walking beam suspension
56-inch steel beams, with 50/50 distribution
Torque arms with rubber bushings; less radius rods
4 x 38" steel leaf springs
Capacity: 69,360 lbs.

TRANSMISSION
T-412 5-speed constant-mesh, direct
Ratios: 7.40, 3.95, 2.20, 1.37, 1.00;
Reverse: 7.43

WHEELS and TIRES
Single front and dual rear
11.00 x 20, 12-PR tires and tubes
Cast steel spoke wheels, with 7.50V rims

OPTIONAL EQUIPMENT

AXLE, FRONT
FA-182 18,000-lb with 18,000-lb springs and 16\(\frac{1}{2}\) x 5" brakes

AXLE, REAR
RA-364 55,000-lb double reduction tandem drive with power divider
Ratios: 7.24, 7.98 or 9.00
RA-365 55,000-lb double reduction tandem drive less power divider
Ratios: 7.24, 7.98 or 9.00
RA-367 50,000-lb double reduction tandem drive less power divider
Ratios: 7.54 or 8.31
RA-372 65,000-lb double-reduction tandem drive, with 18 x 7" brakes with power divides
Ratios: 8.07, 9.02, 10.16 or 11.56
RA-373 65,000-lb double-reduction tandem drive, with 18 x 7" brakes with power divides
Ratios: 8.07, 9.02, 10.16 or 11.56
RA-375 50,000-lb double-reduction tandem drive, with power divider, 50,000-lb springs, radius rods and 54" steel beams
Ratios: 7.10, 7.74 or 9.27

BRAKE, PARKING
DCM 12 x 5" drum type, for AT-540, AT-546 or AT-548

BRAKES, SERVICE
Semi-trailer connections, with breakaway and hand control valves
Front wheel limiting valve
BW air brake system, in lieu of std. IH
Hand control valve for chassis brakes

CAB
Bostrom torsion-bar driver's seat
Inside rear-view mirror
Ride side extension-type rear-view mirror
Right side arm rest
Tinted glass; divided windshield
Sliding rear window
King size rear view mirrors

COOLING
Increased capacity system

ELECTRICAL SYSTEM
55-amp alternator
Two 6-volt 200 amp-hr batteries
Dual electric horns
Dual air horns
Transistorized ignition system

ENGINE
V-549 256.8-BHP gasoline V8
Tachometer
High-altitude equipment, for RD-501
Engine oil cooler
Front-end PTO adapter plate
IH flywheel PTO

FRAME
Fishplate reinforcements
Reinforcements to rear end of frame
Rear tow loop, Pintle hook

FUEL TANKS
Dual 47-gallon steel center-step safety tanks
Right, left or dual 63-gallon steel center-step safety tanks
63-gallon left and 47-gallon right steel center-step safety tanks
Single or dual electric in-tank fuel pumps

TRANSMISSION
T-136 heavy-duty 5-speed, direct
T-413 heavy-duty 5-speed, direct; 1.57 fourth gear
AT-540, AT-546 or AT-620 3-speed auxiliaries
AT-548 or AT-621 3-speed auxiliaries, mounted 24" behind cab
Power take-offs for AT-540 or AT-546

WHEELS and TIRES
Optional tire sizes as shown on page 8-15
10-stud steel disc wheels
DIMENSIONS AND WEIGHTS

DIMENSIONS COMMON TO ALL WHEELBASES, with 11.00 x 20 TIRES

Overall Width: 92" at front fenders
Overall Height: 96\(\frac{3}{4}\)" at top of cab
Ground Clearance: 11\(\frac{1}{4}\)" at front axle
11\(\frac{1}{4}\)" at rear axle
Frame Height at Rear Axle: 42\(\frac{1}{4}\)" empty
41\(\frac{3}{4}\)" loaded

CHASSIS DIMENSIONS and WEIGHTS

<table>
<thead>
<tr>
<th>WB†</th>
<th>Front</th>
<th>Rear</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>157&quot;</td>
<td>6,320</td>
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<td>6,655</td>
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<tr>
<td>259&quot;</td>
<td>6,965</td>
<td>7,775</td>
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<table>
<thead>
<tr>
<th>DIMENSIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>CA</td>
</tr>
<tr>
<td>84&quot;</td>
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<tr>
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<td>120&quot;</td>
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<tr>
<td>138&quot;</td>
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<tr>
<td>186&quot;</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>TURNING RADIUS</th>
</tr>
</thead>
<tbody>
<tr>
<td>To Centerline of Tire</td>
</tr>
<tr>
<td>26 ft. 7 in.</td>
</tr>
<tr>
<td>29 ft. 3 in.</td>
</tr>
<tr>
<td>32 ft. 0 in.</td>
</tr>
<tr>
<td>34 ft. 9 in.</td>
</tr>
<tr>
<td>42 ft. 0 in.</td>
</tr>
</tbody>
</table>

CENTER BEARING REQUIREMENTS

See Chart on Page 8-23 of CT-400 Sales Data Book

TIRE DIMENSIONS

<table>
<thead>
<tr>
<th>Tire Size</th>
<th>CAST WHEELS</th>
<th>DISC WHEELS</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>11.00x20</td>
<td>12.00x20</td>
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<tr>
<td>Rim Size</td>
<td>7.50V</td>
<td>8.00V</td>
</tr>
<tr>
<td></td>
<td>8.00V</td>
<td>8.00V</td>
</tr>
<tr>
<td>Outside width OW</td>
<td>98.9&quot;</td>
<td>100.7&quot;</td>
</tr>
<tr>
<td>Tread TW</td>
<td>74.8&quot;</td>
<td>74.8&quot;</td>
</tr>
<tr>
<td>Inside width IW</td>
<td>50.5&quot;</td>
<td>48.9&quot;</td>
</tr>
<tr>
<td>Chain clearance</td>
<td>4.2&quot;</td>
<td>3.4&quot;</td>
</tr>
<tr>
<td>Front Tread</td>
<td>79.6&quot;</td>
<td>79.2&quot;</td>
</tr>
</tbody>
</table>

In order that product improvements may be introduced at any time, specifications are subject to change without notice.

*With cab, standard equipment and tires, fuel, oil, and water.

*Other wheelbases available to meet special requirements.

Minimum wheelbase for auxiliary transmission = 154" with RA-372; 161" with RA-373; 166" with RA-375.
MAXIMUM GROSS VEHICLE WEIGHTS:

Standard.................................................. 66,000 lbs.
With 18,000-lb Front and Standard Rear Axle............... 68,000 lbs.
With Standard Front and 60,000-lb Rear Axles........... 76,000 lbs.
With 18,000-lb Front and 60,000-lb Rear Axles.......... 78,000 lbs.

STANDARD EQUIPMENT

AXLE, FRONT
FA-136 16,000-lb. capacity
Heat-treated forged-steel I-beam

AXLE, REAR
RA-375 50,000-lb capacity tandem drive
Hypoid and herringbone gear double-reduction
Heat-treated steel housings
Full-floating: induction-hardened shafts
Inter-axle differential power-divider, with
  air operated lock
Ratios: 7.10, 7.44 or 9.77

BRAKE, PARKING
DCM 12 x 4" drum type, at rear of transmission
Total lining area: 111 sq. inches

CAB
All steel, with safety glass windows
Door locks both sides, with safety latches
Individual driver's seat, with foam-rubber
  cushion and back rest
Individual passenger seat, same as driver's
Driver's arm rest; dual sun visors; ash tray
Ammeter; fuel, water temp., air and oil
  pressure gauges
Speedometer, odometer and tachometer
Hand throttle and choke
Dual air-operated windshield wipers
Outside extension-type rear view mirror, left side
Laminated headliner; insulated vinyl floor mat
Cab grab handles

CLUTCH
14-inch two-plate, with vibration dampener

BRAKE, SERVICE
Air-operated with 12 cu. ft. compressor
Size: 16½ x 5" front and 16½ x 7" rear
Total lining area: 1262 sq. inches
Single 2,490 cu. in. air reservoir
Low pressure warning buzzer

COOLING SYSTEM
36.7-quart capacity
Radiator frontal area: 881 sq. inches
3-inch deep radiator core
Automatic radiator shutters

Illustration May Include Optional Equipment

(Continued)
STANDARD EQUIPMENT (Continued)

ELECTRICAL SYSTEM
12-volt with 55-amp alternator
Four 6-volt 150-amp-hr batteries
Fuse panel under dashboard
Cab dome light; cigar lighter
Combination stop and tail light
Parking lights; single electric horn
Front directional signals: double-face, fender-mounted with guard

FUEL TANK
47-gallon steel center-step safety tank, right side

STEERING
S-37 steering gear, with jointed column
20-inch steering wheel
Hydraulic power assist system, with dual power cylinders and oil cooler

SUSPENSION
Front: 4 x 48" semi-elliptic steel leaf springs
Capacity: 16,000 lbs.
Rear: Heavy-duty walking beam suspension
54-inch steel beams, with 50/50 distributor
Torque arms with rubber bushings
4 x 34" steel leaf springs
Capacity: 50,980

ENGINE
Cummins NH-180 diesel six
Gross BHP: 180 @ 2100 rpm
Gross Torque: 505 lb-ft @ 1450 rpm
672 cu. in. displ.; 15.5 to 1 comp. ratio
Oil bath air cleaner; full-flow oil filter
Vertical muffler and exhaust pipe

TRANSMISSION
T-104 5-speed constant-mesh, direct
Ratios: 6.60, 3.61, 1.98, 1.17, 1.00; 6.51 rev.

WHEELS and TIRES
Single front and dual rear
11.00 x 20, 12 PR tires and tubes
Cast steel spoke wheels, with 7.50V rims

FENDERS
Heavy-duty diamond tread plate steel fenders

FINISH
Frame, bumper, wheels and fuel tank: black
Hood, cab and fenders: choice of any standard IH color

FRAME
Heat-treated alloy-steel main rails, 10 x 3½ x 9/16"x
Inner reinforcement, 9½ x 3½ x 7/16
Combined section modulus: 24.74
Resisting bending moment: 1,960,000 in-lbs
Six, seven, nine or eleven crossmembers
Heavy-duty steel channel front bumper
Tubular grille guard. Front tow pin.

OPTIONAL EQUIPMENT At Adjusted Cost

AXLE, FRONT
FA-182 18,000-lb with 18,000-lb springs and
16½ x 5" brakes

AXLE, REAR
RA-372 60,000-lb double-reduction tandem
drive, with 69,360-lb springs, 56" steel beams
and 16½ x 7" brakes
Ratios: 8.08, 9.03, 10.16 or 11.56
RA-373 60,000-lb double-reduction tandem
drive, with 69,360-lb springs, 56" steel beams
and 16½ x 7" air brakes
Ratios: 8.08, 9.03, 10.16 or 11.56

BRAKE, PARKING
Band type, with auxiliary transmission

BRAKES, SERVICE
Semi-trailer connections, with breakaway and hand control valves
Front wheel limiting valve
BW air brake system in lieu of std. IH
Hand control valve for chassis brakes

CAB
Bostrom torsion-bar driver's seat
Inside rear-view mirror
Maximum Gross Vehicle Weights:

- Standard: 66,000 lbs.
- With 18,000-lb Front and Standard Rear Axle: 68,000 lbs.
- With Standard Front and 60,000-lb Rear Axles: 76,000 lbs.
- With 18,000-lb Front and 60,000-lb Rear Axles: 78,000 lbs.

Standard Equipment

- 30NT 16,000-lb capacity heat-treated forged-steel I-beam
- 50,000-lb capacity tandem drive
- Heat-treated steel housings
- Full-floating; induction-hardened shafts
- Inter-axle differential power-divider, with air operated lock
  - Ratios: 7.10, 7.74 or 9.27
- Dual band type, at rear of transmission
  - Lining area: 130.8 sq. inches
- Service
  - Operated with 12 cu. ft. compressor
  - 6' x 2 x 5" front and 16V2 x 7" rear
  - Lining area: 1,270.2 sq. inches
  - Single 2,430 cu. in. air reservoir
  - Low pressure warning buzzer
- Cab
  - All steel, with safety glass windows
  - Door locks both sides, with safety latches
  - Individual driver's seat, with foam-rubber cushion and back rest
  - Individual passenger seat, same as driver's
  - Driver's arm rest; dual sun visors; ash tray
  - Ammeter, fuel, water temp., air and oil pressure gauges
  - Speedometer, odometer and tachometer
  - Dual air-operated windshield wipers
  - Outside extension-type rear view mirror, left side
  - Laminated headliner; insulated vinyl floor mat
  - Cab grab handles
- Clutch
  - 14-inch two-plate, with vibration dampener
- Cooling System
  - 36.7 quart capacity
  - Radiator frontal area: 881 sq. inches
  - 3-inch deep radiator core
  - Automatic radiator shutters

Electrical System

- 12-volt with 55-amp alternator
- Four 6-volt 150 amp-hr batteries
- Fuse panel under dashboard
- Cab dome light; cigar lighter
- Combination stop and tail light
- Parking lights; single electric horn
- Front directional signals; double-face, fender-mounted with guard

Engine

- Cummins NH-180 diesel six
  - Gross BHP: 180 @ 2100 rpm
  - Gross Torque: 505 lb-ft @ 1450 rpm
  - 672 cu. in. displ.; 15.5 to 1 comp. ratio
  - Oil bath air cleaner; full-flow oil filter
  - Vertical muffler and exhaust pipe

Fenders

- Heavy-duty diamond tread plate steel fenders

Finish

- Frame, bumper, wheels and fuel tank: black
- Hood, cab and fenders: choice of any standard IH color

Frame

- Heat-treated alloy-steel main rails, 10 x 3½ x ¾" inner reinforcement, 9½ x 3½ x ¾"
- Combined section modulus: 24.74
- Resisting bending movement: 1,960,000 in-lbs.
- Six, seven, nine or eleven crossmembers
- Heavy-duty steel channel front bumper
- Tubular grille guard. Front tow pin

Fuel Tank

- 47-gallon steel center-step safety tank, right side

Steering

- S-37 steering gear, with jointed column
- 20-inch steering wheel
- Hydraulic power assist system, with dual power cylinders and oil cooler
STANDARD EQUIPMENT (Continued)

SUSPENSION
Front: 4 x 48" semi-elliptic steel leaf springs
   Capacity: 16,000 lbs.
Rear: Heavy-duty walking beam suspension
   54-inch steel beams, with 50/50 distribution
   Torque arms with rubber bushings
   3 x 45" steel leaf springs
   Capacity: 50,000

TRANSMISSION
T-104 5-speed constant-mesh, direct
   Ratios: 6.60, 3.61, 1.98, 1.17, 1.00; 6.51 rev.

WHEELS and TIRES
Single front and dual rear
   11.00 x 20, 12-PR tires and tubes
Cast steel spoke wheels, with 7.50V rims
GROSS VEHICLE WEIGHT RATINGS: (GVWR)

<table>
<thead>
<tr>
<th>Component</th>
<th>Standard GVWR 52,380</th>
<th>GVWR 56,620</th>
<th>GVWR 60,240</th>
<th>Maximum GVWR W/ADVERTISED OPTIONS 66,620</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRONT AXLE</td>
<td>FA-136 16,000-lb capacity</td>
<td>FA-136 16,000-lb capacity</td>
<td>FA-136 16,000-lb capacity</td>
<td>FA-182 18,000-lb capacity</td>
</tr>
<tr>
<td>Spring</td>
<td>Standard 11,000 x 12 PR 10,860</td>
<td>Standard 12,000 x 20 -14 PR 11,180</td>
<td>Standard 11,000 x 24 -12 PR 13,360</td>
<td>w/Axle 12,000 x 20 -14 PR 13,180</td>
</tr>
<tr>
<td>Tire</td>
<td>Standard 11,000 x 12 PR 10,860</td>
<td>Standard 12,000 x 20 -14 PR 11,180</td>
<td>Standard 11,000 x 24 -12 PR 13,360</td>
<td>w/Axle 12,000 x 20 -14 PR 13,180</td>
</tr>
<tr>
<td>FRT-GAWR</td>
<td>10,860</td>
<td>11,180</td>
<td>13,360</td>
<td>13,180</td>
</tr>
<tr>
<td>REAR AXLE</td>
<td>RA-368 50,000-lb capacity tandem drive</td>
<td>RA-368 50,000-lb capacity tandem drive</td>
<td>RA-368 50,000-lb capacity tandem drive</td>
<td>RA-372 65,000-lb capacity tandem drive</td>
</tr>
<tr>
<td>Spring</td>
<td>Standard 11,000 x 12 PR 41,520</td>
<td>Standard 11,000 x 20 -14 PR 43,440</td>
<td>Standard 11,000 x 24 -12 PR 46,880</td>
<td>w/Axle 12,000 x 24 -14 PR 53,440</td>
</tr>
<tr>
<td>Tire</td>
<td>Standard 11,000 x 12 PR 41,520</td>
<td>Standard 11,000 x 20 -14 PR 43,440</td>
<td>Standard 11,000 x 24 -12 PR 46,880</td>
<td>w/Axle 12,000 x 24 -14 PR 53,440</td>
</tr>
<tr>
<td>RR-GAWR</td>
<td>41,520</td>
<td>43,440</td>
<td>46,880</td>
<td>53,440</td>
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</table>

* 8.00V Rim

Combination of optional tires, springs and axles allow a wide range of GVWR selections between the standard and maximum GVWR's shown. See CT-400, Section 30, for library of component ratings and method for calculating specific GVWR's. Where higher GVWR's are required larger components must be specified.

STANDARD EQUIPMENT

**AXLE, FRONT**
- FA-136 16,000-lb capacity
- Heat-treated forged-steel I-beam

**AXLE, REAR**
- RA-368 50,000-lb capacity tandem drive
- Hypoid and herringbone gear double-reduction
- Heat-treated steel housings
- Full-floating; induction-hardened shafts
- Inter-axle differential power-divider, with air operated lock
- Ratios: 7.54 or 8.31

**BRAKE, PARKING**
- 12 x 5" band type, at rear of transmission
- Total lining area: 130.8 sq. inches

**BRAKE, SERVICE**
- Air-operated with 12 cu. ft. compressor
- Size: 16½ x 5" front and 16½ x 7" rear
- Total lining area: 1261.4 sq. inches
- Single 2,430 cu. in., air reservoir
- Low pressure warning buzzer

**CAB**
- All steel, with safety glass windows
- Door locks both sides, with safety latches
- Individual driver's seat, with foam-rubber cushion and back rest
- Individual passenger seat, same as driver's
- Driver's arm rest; dual sun visors; ash tray
- Ammeter; fuel, water temp., air and oil pressure gauges
- Speedometer, odometer and tachometer
- Dual air-operated windshield wipers
- Electric windshield washers
- Outside extension-type rear view mirror, left side
- Laminated headliner; insulated vinyl floor mat
- Cab grab handles; fresh air heater and defroster

**CLUTCH**
- 14-inch two-plate, with vibration dampener

**COOLING SYSTEM**
- 50 quart capacity
- Radiator frontal area: 873 sq. inches
- 3-inch deep radiator core; automatic radiator shutters
- Bolted radiator with de-aeration system
- Permanent type anti-freeze —20°F

**ELECTRICAL SYSTEM**
- 12-volt with 55-amp alternator
- Four 6-volt 150 amp-hr batteries
- Fuse panel under dashboard
- Cab dome light; cigar lighter
- Combination stop and tail light
- Parking lights; single electric horn
- Front directional signals: double-face, fender-mounted with side reflectors and lamps
- Two front clearance and three identification lamps
- Dual stop and tail lamps; back-up light
- Rear directional signals
- Traffic hazard switch; amber side reflectors

**ENGINE**
- Cummins NH-200 diesel six
- Gross BHP: 200 @ 2100 rpm
- Gross Torque: 590 @ 1500 rpm
- 743 cu. in. displ.; 15 to 1 comp. ratio
- Oil bath air cleaner; full-flow oil filter
- Vertical muffler and exhaust pipe

**FENDERS**
- Heavy-duty diamond tread plate steel fenders

**FINISH**
- Frame, bumper, wheels and fuel tank: black
- Hood, cab and fenders: choice of any standard IH color

**FRAME**
- Heat-treated alloy-steel main rails, 10 x 3½ x 3½"
- Inner reinforcement, 9½ x 3½ x 3½"
- Combined section modulus: 24.69
- Resisting bending moment: 2,714,800 in-lbs.
- Six, seven, nine or eleven crossmembers
- Heavy-duty steel channel front bumper
- Tubular grille guard; front tow pin

**FUEL TANK**
- 47-gallon steel center-step safety tank, right side

**STEERING**
- S-37 steering gear, with jointed column
- 20-inch steering wheel
- Hydraulic power assist system, with dual power cylinders and oil cooler
STANDARD EQUIPMENT (Continued)

SUSPENSION
Front: 4 x 48" semi-elliptic steel leaf springs
Capacity: 16,000 lbs.
Rear: Heavy-duty walking beam suspension
56-inch steel beams, with 50/50 distribution
Torque arms with rubber bushings: less radius rods
4 x 38" steel leaf springs
Capacity: 69,360

TRANSMISSION
T-135 5-speed constant-mesh, direct
Ratios: 6.60, 3.61, 1.98, 1.17, 1.00; 6.51 rev.

WHEELS and TIRES
Single front and dual rear
11.00 x 20, 12-PR tires and tubes
Cast steel spoke wheels, with 7.50V rims

OPTIONAL EQUIPMENT

AXLE, FRONT
FA-182 18,000-lb with 18,000-lb springs and
16½ x 5" brakes

AXLE, REAR
RA-364 55,000-lb double reduction tandem drive
with power divider
Ratios: 7.24, 7.98 or 9.00
RA-365 55,000-lb double reduction tandem drive
less power divider
Ratios: 7.24, 7.98 or 9.00
RA-367 50,000-lb double-reduction tandem drive
less power divider
Ratios: 7.54 or 8.31
RA-372 65,000-lb double-reduction tandem drive,
with 18 x 7" brakes, less power divider
Ratios: 8.07, 9.02, 10.16 or 11.56
RA-373 65,000-lb double-reduction tandem drive,
with 18 x 7" brakes, with power divider
Ratios: 8.07, 9.02, 10.16 or 11.56
RA-375 50,000-lb double reduction tandem drive
with power divider, 50,000-lb springs, radius
rods and 54" steel beams
Ratios: 7.10, 7.74, or 9.27

ELECTRICAL SYSTEM (Continued)
Dual electric horns
Dual air horns

ENGINE
NH-230 Cummins 230-BHP diesel six
NHC-250 250-BHP diesel six
Tachometer
Luberfiner (14 qt.)

FRAME
Fishplate reinforcements
Reinforcements to rear end of frame
Rear tow loop. Pintle hook.

FUEL TANKS
Dual 47-gallon steel center-step safety tanks
63-gallon steel center-step safety tanks, left side
63-gallon left and 47-gallon right steel center-step
safety tanks

STEERING
Hydraulic power assist system, with dual
power cylinders

TRANSMISSION
T-136 5-speed, direct
T-252 5-speed, overdrive
T-355 (7452-A) 5-speed, constant-mesh, direct
T-356 (7452-B) 5-speed, constant-mesh, direct
T-371 4-speed, direct
T-377 5-speed, overdrive
AT-540, AT-546 or AT-620 3-speed auxiliaries
AT-546 or AT-621 3-speed auxiliaries, mounted
24" behind cab
Power take-offs for AT-540 or AT-546

WHEELS and TIRES
Optional tire sizes as shown on page 8-19
10-stud steel disc wheels
DIMENSIONS AND WEIGHTS

**DIMENSIONS COMMON TO ALL WHEELBASES, with 11.00 x 20 TIRES**

<table>
<thead>
<tr>
<th>Overall Width: 92&quot; at front fenders</th>
<th>Overall Height: 96½&quot; at top of cab</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ground Clearance: 11½&quot; at front axle</td>
<td>Frame Height at Rear Axle: 43½&quot; empty</td>
</tr>
</tbody>
</table>

**CHASSIS DIMENSIONS and WEIGHTS**

<table>
<thead>
<tr>
<th>WB†</th>
<th>Front</th>
<th>Rear</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>157&quot;</td>
<td>8,640</td>
<td>8,040</td>
<td>16,680</td>
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<tr>
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<td>8,835</td>
<td>7,980</td>
<td>16,815</td>
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<tr>
<td>193&quot;</td>
<td>9,010</td>
<td>7,945</td>
<td>16,955</td>
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<tr>
<td>211&quot;</td>
<td>9,150</td>
<td>7,920</td>
<td>17,070</td>
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<tr>
<td>259&quot;</td>
<td>9,430</td>
<td>7,820</td>
<td>17,250</td>
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**DIMENSIONS**

<table>
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<tr>
<th>CA</th>
<th>CF</th>
<th>AF</th>
<th>OAL</th>
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<td>84&quot;</td>
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<td>78&quot;</td>
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<td>363&quot;</td>
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<tr>
<td>186&quot;</td>
<td>254&quot;</td>
<td>68&quot;</td>
<td>383&quot;</td>
</tr>
</tbody>
</table>

**TURNING RADIUS**

<table>
<thead>
<tr>
<th>To Centerline of Tire</th>
<th>With Bumper Clearance</th>
</tr>
</thead>
<tbody>
<tr>
<td>26 ft. 7 in.</td>
<td>28 ft. 9 in.</td>
</tr>
<tr>
<td>29 ft. 3 in.</td>
<td>31 ft. 5 in.</td>
</tr>
<tr>
<td>32 ft. 0 in.</td>
<td>34 ft. 2 in.</td>
</tr>
<tr>
<td>34 ft. 9 in.</td>
<td>36 ft. 11 in.</td>
</tr>
<tr>
<td>42 ft. 0 in.</td>
<td>44 ft. 2 in.</td>
</tr>
</tbody>
</table>

**CENTER BEARING REQUIREMENTS**

See Chart on Page 8-23 of CT-400 Sales Data Book

---

**TIRE DIMENSIONS**

<table>
<thead>
<tr>
<th>Tire Size</th>
<th>CAST WHEELS</th>
<th>DISC WHEELS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>11.00x20</td>
<td>12.00x20</td>
</tr>
<tr>
<td></td>
<td>7.50V</td>
<td>8.00V</td>
</tr>
<tr>
<td>Outside width OW</td>
<td>98.9&quot;</td>
<td>100.7&quot;</td>
</tr>
<tr>
<td>Tread TW</td>
<td>74.8&quot;</td>
<td>74.8&quot;</td>
</tr>
<tr>
<td>Inside width IW</td>
<td>50.5&quot;</td>
<td>48.9&quot;</td>
</tr>
<tr>
<td>Chain clearance</td>
<td>4.2&quot;</td>
<td>3.4&quot;</td>
</tr>
<tr>
<td>Front Tread</td>
<td>79.6&quot;</td>
<td>79.2&quot;</td>
</tr>
</tbody>
</table>

In order that product improvements may be introduced at any time, specifications are subject to change without notice.
**RATINGS:**

Max. Gross Vehicle Weight (lbs.), Standard .................................................. 27,500
With FA-98 front axle and 22,000 lb. rear axle ........................................... 29,000
With standard front axle and 30,000 lb. rear axle ..................................... 35,500
With FA-98 front axle and 30,000 lb. rear axle ........................................... 37,000
Max. Gross Combination Weight (lbs.), Standard ........................................... 40,000

**STANDARD EQUIPMENT**

**AXLE—Front:**
FA-68, Capacity: 5,500 lbs.

**AXLE—Rear:**
RA-301, Capacity: 22,000 lbs., single reduction.
Gear ratios: 6.166, 7.166.
Power divider ratio: 1.087.
Manual power divider lock.
48-in. steel beam suspension.

**BRAKE—Hand:**
Rear of transmission, external contracting.
Total area: 72.09 sq. in.

**BRAKES—Service:**
Hydraulic with vacuum booster.
Front: 12J/g x 2)4 in.
Rear: 15 x 4 in.
Total area: 628.2 sq. in.

**CAB:**
Loadstar.

**CLUTCH:**
12 inch, 15 spring; single plate with hydraulic controls.

**ELECTRICAL:**
12 volt with 37-amp. alternator.
66 plate, 60-amp.-hr. battery.

**ENGINE:**
V-304.

**FUEL TANK:**
21 gallon mounted under cab.

**SPRINGS:**
Front: 3 x 45% in. Capacity: 3,500 lbs.
Rear: 3 x 30 in. Capacity: 12,480 lbs.

**STEERING:**
S-61 with 19 inch steering wheel.

**TRANSMISSION:**
T-35, 5-speed synchromesh.

**WHEELS AND TIRES:**
7.50 x 20, 8 ply, 6.00 S rims, cast wheels.

**OPTIONAL EQUIPMENT**

**AXLE—Front:**
FA-98, Capacity: 7,000 lbs. with 15 x 2½ hyd. brakes.

**AXLE—Rear:**
RA-341, Capacity: 30,000 lbs., single reduction, with 15 x 5 hydraulic brakes.
68-in. aluminum beam suspension (RA-301).
30-in. aluminum or steel beam suspension (RA-341).
Vacuum power divider lock.

**BRAKE—Hand:**
CDM 12 x 4, internal expanding, 111 sq. in.
HD. CDM 12 x 5, internal expanding, 137.6 sq. in.

**BRAKES—Service:**
Vacuum reserve tank with gauge and warning light.

**CAB AND BODIES:**
Individual driver and passenger seats.

**CLUTCH:**
12 inch, 15 spring, single plate.

**ELECTRICAL:**
Dual 6-volt, 150-amp.-hr. batteries (std. with diesel).
12 volt, 52-amp. alternator.
Directional signals.

**ENGINE:**
BD-282, BD-308 gasoline.
D-354 diesel.

**FRAME:**
Heat treated straight steel channel.
9 x 3½ x ¾ in.
Section Modulus: 10.20.
Heat treated frame reinforcement, 187-in. and 205-in. W.B.
6½ x 3½ x ¾ in.
Combined Section Modulus: 18.07.
Heavy duty front bumper.

**FUEL TANK:**
31 gallon aux. on left or right side.

**SPRINGS:**
Front shock absorbers.

**STEERING:**
Power.

**TRANSMISSION:**
T-34 5-speed O.D. synchromesh.
T-83 Select-O-Matic.
AT-501 3-speed auxiliary.
AT-510 2-speed auxiliary.

**WHEELS AND TIRES:**
Optional tire sizes on cast or disc wheels.
INTERNATIONAL TRUCKS

F-1800

RATINGS:

Max. Gross Vehicle Weight (lbs.) Standard 37,000
With FA-208 front axle and standard rear axle 39,000
With standard front axle and 34,000 lb. rear axle 41,000
With FA-218 front axle and standard rear axle *42,000
With FA-208 front axle and 34,000 lb. rear axle *43,000
With FA-218 front axle and 34,000 lb. rear axle *46,000

Max. Gross Combination Weight (lbs.) Standard *45,000
With 34,000 lb. rear axle *50,000

'Requires T-51 transmission for off highway use.

STANDARD EQUIPMENT

AXLE—Front:
FA-98, Capacity: 7,000 lbs.

AXLE—Rear:
FA-341, Capacity: 30,000 lbs., single reduction.
Ratio: 5.57, 6.5, 7.166, 7.8.
Vacuum power divider lock.
5-in. steel beam suspension.

BRAKE—Hand:
Rear of transmission, external contracting.
Total area: 72.09 sq. in.

BRAKES—Service:
Hydraulic with vacuum booster.
Front: 15 x 2½ inches.
Rear: 15 x 5 inches.
Total area: 784.5 sq. in.

CAB:
Studebaker.

CLUTCH:
12-inch, 15 spring, single plate with hydraulic controls.

ELECTRICAL:
12 volt with 37-amp. alternator.
66 plate, 60-amp.-hr. battery.

ENGINE:
V-345
Gross H.P.: 196.7 @ 4,000 R.P.M.
Gross Torque: 309.0 lb.-ft. @ 2,200-2,400 R.P.M.

FRAME:
Heat-treated straight steel channel.
9 x 3½ x ¾ inch.
Section Modulus: 10.20.
Heat-treated frame reinforcement: 187-in. and 205-in. W.B.,
8½ x 3¾ x ¾.
Combined Section Modulus: 18.07.
Heavy-duty front bumper.

FUEL TANK:
21 gallon mounted under cab.

SPRINGS:
Front: 3 x 45½ in. Capacity: 3,500 lbs.
Rear: 4 x 34 in. Capacity: 19,550 lbs.

STEERING:
S-62 with 20-inch steering wheel.

TRANSMISSION:
T-35, 5-speed synchromesh.
Ratios:
1st 7.17
2nd 3.96
3rd 2.365
4th 1.41
5th 1.00
Rev. 7.02

WHEELS AND TIRES:
8.25 x 20, 10 ply, 6.00 S rims, cast wheels.

OPTIONAL EQUIPMENT

AXLE—Front:
FA-208, Capacity: 9,000 lbs. with 15 x 2½ hyd. or 15 x 3 air brakes and H.D. springs.
FA-218, Capacity: 12,000 lbs. with 15 x 3½ hyd. or 16½ x 3½ air brakes and H.D. springs.

AXLE—Rear:
RA-351, Capacity: 34,000 lbs. single reduction, with 16 x 4 hydraulic or 16½ x 6 air brakes.
Ratios: 6.14, 6.57, 7.16, 8.16.
Rubber load cushions.
36-in. aluminum beam suspension.

BRAKE—Hand:
IH piggy-back.
DOM 12 x 4, internal expanding, 111 sq. in.
H.D. DOM 12 x 3, internal expanding, 137.6 sq. in.

BRAKES—Service:
Oversize (16 x 5 hyd. RA-351)
Air (15 x 3 in. front, 15½ x 5 rear).
Front wheel limiting valve.
Semi-trailer connections (air only)

CAB AND BODIES:
Individual driver and passenger seats.

CLUTCH:
13-inch, 15 spring, single plate.

ELECTRICAL:
Dual 6-volt, 150-amp.-hr. battery (std. with diesel).
12 volt, 52-amp. alternator.
Directional signals.

ENGINE:
BD-308 gasoline.
D-354 diesel.
Automatic radiator shutters.
Governor.
1 qt. aux. oil filter.
High altitude equipment.
Increased capacity cooling.

FRAME:
Heat-treated frame reinforcement (139-in. to 169-in. W.B.),
Front tow hook.
Rear tow loop.
Underslung tire carrier.

FUEL TANK:
Left, right or dual side (31, 50, and 53 gal. capacity).

SPRINGS:
Front shock absorbers.

STEERING:
Power.

TRANSMISSION:
T-35, 5-speed O.D. synchromesh.
T-51, 5-speed constant mesh.
T-74, 7-speed Roadranger.

WHEELS AND TIRES:
Optional tire size on cast or disc wheels.
MAXIMUM GROSS VEHICLE WEIGHTS:

- Standard ........................................ 39,000 lbs.
- With 12,000-lb Front Axle .................. 42,000 lbs.
- With 34,000-lb Rear Axle .................. 43,000 lbs.
- With 12,000-lb Front and 34,000-lb Rear Axle 46,000 lbs.

MAXIMUM GROSS COMBINATION WEIGHTS:

- Standard ........................................ 55,000 lbs.
- With 34,000-lb Rear Axle .................. 65,000 lbs.

STANDARD EQUIPMENT

- **AXLE, FRONT**
  - 12,000-lb capacity
  - Heat-treated forged-steel I-beam

- **AXLE, REAR**
  - 34,000-lb tandem drive
  - High reduction, 14½" hypoid ring gear
  - Heat-treated steel housings
  - Fronting, induction-hardened shafts
  - Intermediate differential power-divider,
    with air-operated lock
  - Tires: 6.57, 6.50, 7.17 or 7.80

- **BREAKS, PARKING**
  - 100 x 16" drum type, on transmission
  - Total lining area: 111 sq-inches

- **BREAKS, SERVICE**
  - Air, with 7½ cu-ft compressor
  - Front: 15" x 3½" wedge type
  - Rear: 15½" x 5½" wedge type
  - Total lining area: 784.7 sq-inches
  - High pressure air reservoir
  - Air pressure warning buzzer

- **CLUTCH**
  - 14-inch 15-spring with HD lining

- **COOLING**
  - Automatic radiator shutters

- **ELECTRICAL**
  - 12-volt 55-amp alternator
  - Fuse panel in glovebox
  - Cab dome light; electric horn
  - Engine turn signals: double-face, fender-mounted
  - Combination stop and tail light

- **ENGINE**
  - Detroit Diesel 6V-53N diesel V-6
  - Gross BHP: 195 @ 2600 rpm
  - Gross Torque: 446 Ib-ft @ 1500 rpm
  - 318.4 cu-in displ; 17 to 1 comp. ratio
  - Dry element air cleaner, under hood
  - Horizontal muffler and tail pipe

- **FINISH**
  - Frame, wheels and fuel tank: black
  - Radiator grille and shutters: gray
  - Hood, cab and fenders: choice of any standard IH color

- **FRAME**
  - Heat-treated 110,000-psi alloy steel
  - 9" x 3½" x 3½" Sec. Mod: 10.20
  - Resist bend moment: 1,120,000 in-lbs
  - Straight full-depth channel, front to rear
  - Heavy-duty channel-type front bumper

- **FUEL TANK**
  - 50-gallon steel center-step, left side

- **STEERING**
  - S-63 steering gear, with jointed column
  - 20-inch diameter 4-spoke wheel

- **SUSPENSION, FRONT**
  - 9,000-lb capacity steel leaf springs

- **SUSPENSION, REAR**
  - Walking-beam suspension, with 50" steel beams; 50/50 load distribution
  - 4" x 34" steel leaf springs; 39,100-lb total capacity at ground
  - Torque arms with rubber bushings

- **TRANSMISSION**
  - T-63 5-speed direct, constant-mesh
  - Ratios: 8.08, 4.67, 2.62, 1.69, 1.00
  - 8.12 reverse

- **WHEELS and TIRES**
  - Single front and dual rear
  - 8.25 x 20, 10 PR tires and tubes
  - Cast wheels with 6.00S rims

**OPTIONAL EQUIPMENT At Adjusted Cost**

- **AXLE, FRONT**
  - 12,000-lb front axle, with 10,000-lb springs and 16½" x 3½" cam type brakes

- **AXLE, REAR**
  - 34,000-lb tandem drive rear axle, with 16½" x 6" cam type brakes;
    Ratios: 4.77, 5.37, 6.14, 6.57, 7.17 or 8.17

- **BRAKES**
  - Piggyback spring-actuated parking brake

- **BRAKES** (Continued)
  - Semi-trailer connections, with breakaway and hand control valves
  - Front wheel limiting valve
  - Extra air reservoir, to release spring-loaded parking brakes

- **CAB**
  - Foam rubber cushion on seat back
  - Tinted glass; arm rests; cigar lighter
  - Sun visor for passenger
  - Cab grab handles (mandatory)
  - Fresh air heater and defroster

- **CAB** (Continued)
  - Right side rear-view mirror

- **ELECTRICAL**
  - Dual stop and tail lights
  - Dual air or electric horns
  - Cab corner and center marker lights
  - Traffic hazard switch
  - Rear directional signals

- **FRAME**
  - Frame reinforcements
  - Front tow hook; rear tow loop

- **FUEL TANKS**
  - Dual 50-gallon steel center-step tanks
## MAXIMUM GROSS VEHICLE WEIGHTS:

<table>
<thead>
<tr>
<th>Configuration</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard</td>
<td>39,000 lbs.</td>
</tr>
<tr>
<td>With FA-218 12,000-lb Front Axle</td>
<td>42,000 lbs.</td>
</tr>
<tr>
<td>With RA-351 34,000-lb Rear Axle</td>
<td>43,000 lbs.</td>
</tr>
<tr>
<td>With FA-218 Front and RA-351 Rear Axles</td>
<td>46,000 lbs.</td>
</tr>
</tbody>
</table>

## MAXIMUM GROSS COMBINATION WEIGHTS:

<table>
<thead>
<tr>
<th>Configuration</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard</td>
<td>55,000 lbs.</td>
</tr>
<tr>
<td>With RA-351 Rear Axle</td>
<td>65,000 lbs.</td>
</tr>
</tbody>
</table>

## STANDARD EQUIPMENT

### CLUTCH
14-inch 15-spring with HD lining

### COOLING SYSTEM
Automatic radiator shutters

### ELECTRICAL SYSTEM
12-volt 55-amp alternator
Two 6-volt 204 amp-hr batteries
Fuse panel in glovebox

### BRAKE, PARKING
Piggyback spring-actuated
Extra 462 cu. in. air tank, to release spring-loaded parking brakes

### BRAKE, SERVICE
Semi-trailer connections, with breakaway and hand control valves
Front wheel limiting valve

### FRAME
Heat-treated 110,000-psi alloy steel
Straight full-depth channel, front to rear

### ENGINE
Detroit Diesel 6V-53N diesel V-6
Gross BHP: 195 @ 2600 rpm
Gross Torque: 446 lb-ft @ 1500 rpm
318.4 cu. in. displ.; 21 to 1 comp. ratio
Dry element air cleaner, under hood
Horizontal muffler and tail pipe

### FUEL TANK
50-gallon steel center-step, left side

### STEERING
S-63 steering gear
20" diameter 4-spoke wheel

### SUSPENSION, FRONT
9,000-lb capacity steel leaf springs

### SUSPENSION, REAR
Walking-beam suspension, with power steering
4 x 34" steel leaf springs
Total capacity: 34,000 lbs.
Torque arms with rubber bushings

### TRANSMISSION
T-63 five-speed constant-mesh, direct
Ratios: 8.08, 4.67, 2.62, 1.69, 1.00; 8.12 rev.

### WHEELS and TIRES
Single front and dual rear
8.25 x 20, 10-PR tires and tubes
Cast wheels with 6.00S rims

## OPTIONAL EQUIPMENT

### AXLE, FRONT
FA-218 12,000-lb, with 12,000-lb springs and 16½ x 3¼ cam type brakes (requires power steering)

### AXLE, REAR
RA-351 34,000-lb tandem drive, with 16½ x 6 cam type brakes:
Ratios: 4.77, 5.37, 6.14, 6.57, 7.17 or 8.17

### BRAKE, PARKING
Piggyback spring-actuated
Extra 462 cu. in. air tank, to release spring-loaded parking brakes

### BRAKES, SERVICE
Semi-trailer connections, with breakaway and hand control valves
Front wheel limiting valve

### CAB
Foam rubber cushion on seat back
Tinted glass; arm rests; cigar lighter
Sun visor for passenger
Cabin grab handles (mandatory)
Fresh air heater and defroster
Single or dual air horns
Right-side rear-view mirror
Individual passenger or driver's seat
**INTERNATIONAL TRUCKS**

**F-1900**

**RATINGS:**

Max. Gross Vehicle Weight (lbs.), Standard
- With FA-112 Front Axle and Standard Rear Axle: 39,000 lbs.
- With FA-215 Front Axle and Standard Rear Axle: 41,000 lbs.
- With Standard Front Axle and 34,000 lb. Rear Axle: 42,000 lbs.
- With FA-112 Front Axle and 34,000 lb. Rear Axle: 43,000 lbs.
- With FA-215 Front Axle and 34,000 lb. Rear Axle: 44,000 lbs.
- With Standard Front Axle and 34,000 lb. Rear Axle: 45,000 lbs.

Max. Gross Combination Weight (lbs.), Standard
- With Oversize Engine, Transmission, and Rear Axle: 55,000 lbs.

**STANDARD EQUIPMENT**

**AXLE—Front:**
- FA-105, Capacity: 9,000 lbs.

**AXLE—Rear:**
- RA-341, single reduction,
  - Capacity: 30,000 lbs.
  - Ratios: 5.57, 6.5, 7.16, 7.8.
  - Air power divider lock.
  - 50-in. steel suspension with steel springs.

**FRAME:**
- Heat-treated steel channel.
- 9 x 3\(\frac{1}{2}\) x \(\frac{3}{4}\) in.
- Section modulus: 10.20 in\(^3\).
- Resisting bending moment: 1,122,000 in.-lbs.

**ENGINE:**
- RD-406.
- Gross HP: 175 @ 3200 RPM.
- Gross Torque: 338.0 lb.-ft. @ 1700 RPM.

**EXHAUST:**
- Horizontal muffler and stack.

**FUEL TANK:**
- 50-gal. LH steel step.

**SPRINGS:**
- Front: 3 x 48 in., Capacity: 4,500 lbs.
- Rear: 4 x 34 in., Capacity: 19,550 lbs.

**STEERING:**
- Power.

**TRANSMISSION:**
- 5-speed overdrive, T-50, 60, 70.
- 5-speed direct, T-62, 63, 72, 73.
- 8-speed RoadRanger, T-76.
- Auxiliary, AT-530.

**WHEELS AND TIRES:**
- Optional tires sizes on cast or disc wheels.

**OPTIONAL EQUIPMENT**

**AXLE—Front:**
- FA-112, Capacity: 11,000 lbs.
  - 16\(\frac{1}{2}\) x 3\(\frac{1}{2}\) in. brakes and HD springs.
- FA-215, Capacity: 12,000 lbs.
  - 16\(\frac{1}{2}\) x 3\(\frac{1}{2}\) in. brakes and HD springs.

**AXLE—Rear:**
- RA-312, single reduction, Capacity: 34,000 lbs.
  - 16\(\frac{1}{2}\) x 6 in. brakes.
- RA-313, 2-speed, Capacity: 34,000 lbs.
  - 16\(\frac{1}{2}\) x 6 in. brakes.
- RA-328, single reduction, Capacity: 34,000 lbs.
  - 16\(\frac{1}{2}\) x 6 in. brakes.
- RA-351, single reduction, Capacity: 34,000 lbs.
  - 16\(\frac{1}{2}\) x 6 in. brakes.
- RA-360, 3-speed, Capacity: 34,000 lbs.
  - 16\(\frac{1}{2}\) x 6 in. brakes.
- 48-inch or 50-inch steel or aluminum suspension with steel or rubber springs.

**BRAKES—Parking and Emergency:**
- Spring actuated, released by air.
  - Piggy back mounted.
  - Total Area: 304.8 sq.-in.

**BRAKES—Service:**
- Air with 12 cu.-ft. compressor.
  - Front: 16 x 2\(\frac{1}{2}\) in.
  - Rear: 15\(\frac{1}{4}\) x 5 in.
  - Total Area: 760.6 sq.-in.

**CLUTCH:**
- 14-inch, 15-spring, single plate with air assist.

**ELECTRICAL:**
- 12-volt, 37-amp. alternator.
- 78-plate, 70 amp.-hr. battery.
- Front directional signals.

**CABS AND BODIES:**
- Bostrom drivers seat.
- Passenger seat.
- Heater and defroster.

**CLUTCH:**
- H.D. 14-inch, 15-spring, single plate.

**ELECTRICAL:**
- 12-volt, 55 or 62-amp. alternator.
- Dual 6-volt, 150 amp.-hr. batteries.
- Rear directional signals.

**ENGINE:**
- RD-450, 801.
- High altitude equipment.
- Increased cooling.
- Automatic radiator shutters.

**FRAME:**
- Reinforcement.
- Two front tow hooks.
- Aluminum front bumper.

**FUEL TANKS:**
- 50-gal. LH aluminum or dual steel or aluminum step tanks.

**SPRINGS:**
- Heavy-duty front (FA-105).
- Front shock absorbers.

**STEERING:**
- Power.

**TRANSMISSIONS:**
- 5-speed overdrive, T-50, 60, 70.
- 5-speed direct, T-62, 63, 72, 73.
- 8-speed RoadRanger, T-76.
- Auxiliary, AT-530.

**WHEELS AND TIRES:**
- Optional tires sizes on cast or disc wheels.
F-2000-D

STANDARD EQUIPMENT

ENGINE:
NH-195.
Gross HP: 195 @ 1950 RPM.
Gross Torque: 580 lb-ft. @ 1300 RPM.
Automatic radiator shutters.

EXHAUST:
Horiz. muffler and vert. stack.

FRAME:
Heat-treated steel channel.
9 x 3 3/4 x 1/2 in.
Section Modulus: 10,20 in³
Resisting bending moment: 1,122,000 in-lbs.

FUEL TANK:
50-gal. LH steel step.

SPRINGS:
Front 3 x 48 in., Capacity: 4,500 lbs.
Rear 4 x 34 in., Capacity: 19,550 lbs.

STEERING:
S-63 with 20-inch steering wheel.

TRANSMISSION:
T-214, 5-speed, constant mesh.
Ratios: 1st: 5.96
2nd: 2.95
3rd: 1.62
4th: 1.25
5th: 1.00
Rev: 6.01

WHEELS AND TIRES:
10.00x20, 12-ply.
7.50V rims, cast wheels.

OPTIONAL EQUIPMENT

CLUTCH:
HD 14-inch, 15-spring, single plate.

ELECTRICAL:
12-volt, 62-amp. alternator.
6-volt, 200 amp.-hr. battery.
Rear directional signals.

ENGINE:
V6-195.
NH-220, 250.
6V-71.

FRAME:
Reinforcement.
Two front tow hooks.

FUEL TANKS:
50-gal. LH aluminum or dual steel or aluminum step tanks.

SPRINGS:
Heavy-duty front (FA-105)
Front shock absorbers.

STEERING:
Power.

TRANSMISSIONS:
5-speed overdrive, T-126, 278, 283, 320*.

WHEELS AND TIRES:
Optional tire sizes on cast or disc wheels.
Standard Chassis Specifications

WEIGHT: 12,268 LBS.

FRAME:
\( \frac{3}{8} \times 12\frac{1}{2} \times 3\frac{1}{2} \) drop center steel rails with bolt on drop front section. Aluminum cross-members and gussets. Bolted construction throughout with SAE Grade 8 fine thread flange head bolts and nuts. 235" wheelbase, 50" AF. Front tow loops. Front frame extension with alum. gull wing frt. bumper.

AXLE-FRONT:
FA-182 Rockwell FL-901 18,000 lbs. capacity with 66.75" KP centers and flush studs.

AXLE-REAR:
RA-351 34,000-lb. capacity tandem drive Hypoid gear single-reduction; 16" ring gears, one-piece forged steel housings. Full-Floating, induction-hardened axle shafts, inter-axle differential power-divider with air-operated lock and warning light. Magnetic drain plug.

BRAKES:
Air with BW 12 cu. ft. water-cooled compressor. Front: 15 x 5" wedge type. Rear: 15 x 7" wedge type with MGM spring chambers. Low pressure warning buzzer. Front wheel limiting valve, Two air reservoirs. Extra 405 cu. in. air reservoir to release spring-actuated parking brake. Flexible hoses with reusable fittings on chassis section; nylon tubing on cab section.

STEERING:
Dual Sheppard M-292 integral power steering with Vickers pump. 21" beige plastic steering wheel.

ENGINE:
Caterpillar 1160 225 HP Diesel. SAE #2 Flywheel Housing. 16" dry air cleaner with vacuator. Front PTO provisions. Luberfiner 500-C oil filter. Vernier hand throttle control.

COOLING SYSTEM:
Three-piece bolted radiator with de-aeration system; 1000 sq. in. frontal area. Air-operated automatic radiator shutters. Permanent anti-freeze: -20°F.

EXHAUST:
Cab-mounted 4" vertical muffler and tailpipe with flexible stainless steel pipe.

CLUTCH:
Spicer 14" 2 plate angle spring.

TRANSMISSION:
Fuller RT-613.

DRIVELINES:
4-inch diameter dynamically-balanced prop shaft. Series 1700 needle bearing universal joints (1600 on inter-axle shafts).

ELECTRICAL SYSTEM:

SUSPENSION:
Front—taper leaf springs, 18,000 lbs. capacity with extra leaf on lt side. Threaded pins and bushings, with cast tow loop brackets.

FUEL TANKS:
30 gallon aluminum, 20" diameter cylindrical, right side mounted.

CAB:
Aluminum construction with aluminum doors 107" BBC. 3 point mounting. Safety glass tinted windows and windshield. Bostrom "West Coaster" driver's seat; Left air intakes; dual padded sun visors; ash tray. Heavy duty rubber floor mat with insulated backing. Headliner and back panel, fiberglass insulated. Air operated windshield wipers with dual motors. Dual West Coast type aluminum mirrors; coat hook, driver's arm rest. Left and right side grab handles. Voltmeter; fuel, water temperature, air and oil pressure gauges. Speedometer, odometer, and tachometer. Hood and fenders: one-piece forward-tilting fiberglass-sloped hood for maximum visibility. Fresh air heater and defroster, 2 blowers. Electric windshield washers. SAE/RCCC Padded instrument panel w/hinged panel.

WHEELS & TIRES:
Front—10.00 x 20, 12 ply tires on 750V cast wheels.
Rear—10.00 x 20, 12 ply duals on 750V cast wheels.
GROSS VEHICLE WEIGHT RATINGS: (GVWR)

<table>
<thead>
<tr>
<th>FRONT AXLE</th>
<th>FA-73</th>
<th>6,000</th>
<th>FA-101</th>
<th>7,500</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spring</td>
<td>Standard</td>
<td>6,000</td>
<td>w/Axe</td>
<td>7,500</td>
</tr>
<tr>
<td>Tire</td>
<td>7.50 x 20 - 8 PR</td>
<td>6,280</td>
<td>9.00 x 20 - 10 PR</td>
<td>9,220</td>
</tr>
<tr>
<td>FRT-GAWR</td>
<td>6,000</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>REAR AXLE</td>
<td>RA-30</td>
<td>15,000</td>
<td>RA-39</td>
<td>17,000</td>
</tr>
<tr>
<td>Spring</td>
<td>Standard</td>
<td>15,000</td>
<td>w/Axe</td>
<td>17,000</td>
</tr>
<tr>
<td>Tire</td>
<td>7.50 x 20 - 8 PR</td>
<td>11,000</td>
<td>9.00 x 20 - 10 PR</td>
<td>16,160</td>
</tr>
<tr>
<td>RR-GAWR</td>
<td>11,000</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Combinations of optional tires, springs and axles allow a wide range of GVWR selections between the standard and maximum GVWR's shown. See CT-400, Section 26, for library of component ratings and method of calculating specific GVWR's. Where higher GVWR's are required larger components must be specified.

DIMENSIONS & WEIGHTS

A=Center line of steering wheel to center line of front axle
Std. = 8.1 ahead of front axle
Opt. = 12.9 behind front axle

DIMENSIONS COMMON TO ALL WHEELBASES, with 9.00x20 TIRES

<table>
<thead>
<tr>
<th>WB</th>
<th>Front</th>
<th>Rear</th>
<th>Total</th>
<th>AF</th>
<th>OAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>151&quot;</td>
<td>3,073</td>
<td>2,545</td>
<td>5,618</td>
<td>95.1&quot;</td>
<td>281.6&quot;</td>
</tr>
<tr>
<td>169&quot;</td>
<td>3,088</td>
<td>2,578</td>
<td>5,666</td>
<td>106.1&quot;</td>
<td>310.6&quot;</td>
</tr>
<tr>
<td>187&quot;</td>
<td>3,118</td>
<td>2,611</td>
<td>5,714</td>
<td>112.0&quot;</td>
<td>334.5&quot;</td>
</tr>
<tr>
<td>205&quot;</td>
<td>3,123</td>
<td>2,644</td>
<td>5,762</td>
<td>96.0&quot;</td>
<td>340.5&quot;</td>
</tr>
<tr>
<td>217&quot;</td>
<td>3,130</td>
<td>2,666</td>
<td>5,796</td>
<td>109.5</td>
<td>362.0&quot;</td>
</tr>
</tbody>
</table>

*With standard tires, oil and water but less fuel.
STANDARD EQUIPMENT

AXLE, FRONT
FA-73 6,000-lb. capacity

AXLE, REAR
RA-30 15,000-lb. capacity single reduction

BRAKES, PARKING
10 x 3" DCM (rear of transmission) w/Orscheln lever
Total lining area: 69.2 sq. inches

BRAKES, SERVICE
Self-adjusting hydraulic, dual operation
15 x 3" front, 15 x 5" rear
Total lining area: 516.0 sq. inches

CLUTCH
13-inch single plate

ELECTRICAL SYSTEM
65-amp. alternator (27SI)
96 amp-hr battery
Fuse panel
Transmission mounted back-up light switch

ENGINE
V-345 gasoline V-8 non-governed 157 h.p.
Closed cooling system with reservoir
21 quart capacity
Radiator frontal area: 694 sq. inches
Permanent type anti-freeze −20°F
Dry type air cleaner; full-flow oil filter
Aluminized horizontal muffler and long tail pipe
Exhaust Emission Control

FRAME
Steel channel; straight to front, tapered rear
151" and 169" WB: 9 x 3 x ¾"
9.23 section modulus
187", 205" and 217" WB: 9 1/8 x 3 1/16 x 5/16"
11.65 section modulus
Propeller shaft guards

FUEL TANK (Nominal Capacity)
30 gallon, right side mtd. (Does not meet NEA stds.)

INSTRUMENTS AND CONTROLS
Speedometer, odometer and ammeter
Oil pressure, water temperature & fuel gauges
Hand choke

SHEET METAL
Driver's platform

STEERING
Power
19 inch diameter 4-spoke wheel

SUSPENSION, FRONT
Semi-elliptic leaf springs, 6,000-lb. capacity
Front shock absorbers

SUSPENSION, REAR
Progressive vari-rate springs, 15,000-lb. capacity
Rear shock absorbers

TRANSMISSION
T-425 four-speed direct

WHEELS AND TIRES
Single front and dual rear
7.50 x 20,8 PR tires and tubes
Cast wheels, with 6.00LB rims

In order that product improvements may be introduced at any time, specifications are subject to change without notice.
(See CT-400 Sections 8 thru 27 for detailed specifications)
OPTIONAL EQUIPMENT

AXLE, FRONT
- FA-101 7,500-lb. capacity
- FA-109 9,000-lb. capacity

AXLE, REAR
- RA-39 17,000-lb. capacity, single reduction
- RA-44 19,000-lb. capacity, single reduction

BRAKES
- 16 x 5" rear brakes (RA-30)
- 15 x 6" rear brakes (RA-39, 44)
- 15 x 7" rear brakes (RA-44)
- Vacuum reserve tank w/gauge

ELECTRICAL SYSTEM
- 12 volt 80-amp 27 SI alternator
- 12 volt 105-amp Leece Neville alternator
- 12 volt 145-amp 40 SI alternator
- Dual 6 volt 162 amp-hr batteries (temporarily mtd.)
- 12 volt 204 amp-hr battery (temporarily mtd.)
- Dual electric horns
- Voltmeter
- Circuit breakers in lieu of fuses
- Electronic ignition

ENGINE
- V-392 gasoline V-8 governed 191 h.p.
- Mechanical governor for V-345
- California emissions

FRAME
- Underslung tire carrier
- Heavy duty front bumper

FUEL TANKS
- 30 gallon rt. side mtd., safety tank (meets NEA stds.)
- 60 gallon rt. side mtd., safety tank (meets NEA stds.)
- Evaporative emission system

TRANSMISSIONS
- T-454 AT-540 4-speed automatic
- T-495 5-speed direct

WHEELS AND TIRES
- Disc wheels
- 7.00 LB, 7.00 LW rims
- Tire sizes up to 10.00 x 20 14 ply
These dimensions in inches are the same for all wheelbases with 10.00x20 tires:

<table>
<thead>
<tr>
<th></th>
<th>FRONT</th>
<th>REAR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tread</td>
<td>78</td>
<td>71½</td>
</tr>
<tr>
<td>Road clearance</td>
<td>12½</td>
<td>9¾</td>
</tr>
<tr>
<td>Over-all width</td>
<td>94</td>
<td>95</td>
</tr>
<tr>
<td>Height, ground to top of frame, loaded</td>
<td>37¾</td>
<td>39½</td>
</tr>
</tbody>
</table>

*Special wheelbases are available.

Tractor AF is shown. Longer AF can be furnished.

**CHASSIS DIMENSIONS**

<table>
<thead>
<tr>
<th></th>
<th>141</th>
<th>160</th>
<th>194</th>
<th>212</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wheelbase (WB)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Over-all length (OAL)</td>
<td>218</td>
<td>237</td>
<td>271</td>
<td>289</td>
</tr>
<tr>
<td>Back of cab to center line of rear axle (CA)</td>
<td>99</td>
<td>118</td>
<td>152</td>
<td>170</td>
</tr>
<tr>
<td>*Center line of rear axle to end of frame (AF)</td>
<td>49</td>
<td>49</td>
<td>49</td>
<td>49</td>
</tr>
<tr>
<td>Back of cab to end of frame (CF)</td>
<td>148</td>
<td>167</td>
<td>201</td>
<td>219</td>
</tr>
<tr>
<td>Bumper to center line of front axle</td>
<td>28</td>
<td>28</td>
<td>28</td>
<td>28</td>
</tr>
<tr>
<td>Turning radius to center line of tires (ft.)</td>
<td>26</td>
<td>30</td>
<td>35</td>
<td>38</td>
</tr>
</tbody>
</table>

**STANDARD SPECIFICATIONS**

**AXLE, FRONT:** Timken FE-900, 11,000-lb. capacity. Drop center, 4x3½x¾ in., I-beam, heat-treated steel drop forging, reverse Elliott type. Steering knuckles of drop forged, heat-treated nickel chrome-alloy steel. Kingpins, 1.3095 in. diameter. Spindles 2¾ in. inner diameter; 1¾ outer diameter.

**AXLE, REAR:** Eaton 34R, tandem drive, full floating, spiral-bevel gears, forged steel banjo type housing, power divider mounted on forward drive axle, Hendrickson suspension. Axle reduction (including power divider), 4.56 to 1, 5.85 to 1, 6.69 to 1.

**BRAKE, HAND:** Ventilated disc, 16-in. 4-shoe, on propeller shaft.

**BRAKE, SERVICE:** 2-shoe, double-anchored, internal expanding, heavy duty, air operated with slack adjusters on each wheel, 7½ cu. ft. compressor, front wheel limiting valve, low pressure warning buzzer, air reservoir pressure gauge and application air pressure gauge.

**CAB:** Heavy duty Comfo-Vision cab, all steel construction with one-piece sweepsight windshield, safety glass throughout. Left-side arm rest, right and left-side sun visors; dual air operated windshield wipers; bus type dual rear-view mirrors; ash tray; cigar lighter. Instruments include speedometer, tachometer, ammeter, reservoir air pressure gauge and application air pressure gauge, temperature gauge, fuel gauge, oil pressure gauge, headlight beam indicator, low air pressure warning buzzer, parking brake light.

**CLUTCH:** 14-in. diameter, single plate, cushioned disc type. Coil spring vibration damper.

**COOLING SYSTEM:** Centrifugal pump circulation, V-belt drive. Fin and tube radiator. Capsule type thermostat. Total capacity, 39.4 qt.

More Time on the road – Less Cost per mile