### INTERNATIONAL TRUCKS—World's Most Complete Line

#### AXLE AND VEHICLE RATINGS (Lb.)

<table>
<thead>
<tr>
<th></th>
<th>FRONT</th>
<th>REAR</th>
<th>GVW</th>
<th>GCW</th>
</tr>
</thead>
<tbody>
<tr>
<td>9,000</td>
<td>18,500</td>
<td>27,500</td>
<td></td>
<td></td>
</tr>
<tr>
<td>11,000</td>
<td>18,500</td>
<td>29,500</td>
<td></td>
<td></td>
</tr>
<tr>
<td>12,000</td>
<td>18,500</td>
<td>30,500</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9,000</td>
<td>23,000</td>
<td>30,500</td>
<td></td>
<td></td>
</tr>
<tr>
<td>11,000</td>
<td>23,000</td>
<td>34,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>12,000</td>
<td>23,000</td>
<td>35,000</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### CHASSIS DIMENSIONS (In.)

<table>
<thead>
<tr>
<th></th>
<th>WB</th>
<th>CA</th>
<th>AF</th>
<th>CA</th>
<th>CF</th>
<th>OAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>132</td>
<td>66</td>
<td>34</td>
<td>100</td>
<td>100</td>
<td>191 1/2</td>
<td></td>
</tr>
<tr>
<td>144</td>
<td>78</td>
<td>34</td>
<td>112</td>
<td>112</td>
<td>203 1/2</td>
<td></td>
</tr>
<tr>
<td>156</td>
<td>90</td>
<td>56</td>
<td>146</td>
<td>146</td>
<td>237 1/2</td>
<td></td>
</tr>
</tbody>
</table>

### CHASSIS WEIGHTS (Lb.)

<table>
<thead>
<tr>
<th></th>
<th>FRONT</th>
<th>REAR</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>4950</td>
<td>3205</td>
<td>7155</td>
<td></td>
</tr>
<tr>
<td>4385</td>
<td>3205</td>
<td>7590</td>
<td></td>
</tr>
<tr>
<td>4440</td>
<td>3205</td>
<td>7645</td>
<td></td>
</tr>
</tbody>
</table>

### TURNING RADII

- **Tire Center**
  - 25 ft. 5 in.
  - 27 ft. 5 in.
  - 29 ft. 6 in.
- **Bumper**
  - 26 ft. 7 in.
  - 28 ft. 7 in.
  - 30 ft. 8 in.

Dimensions that are the same for all WB with 10.00 x 20 tires (In.):
- Front tread, 77.4
- Rear tread, 72
- Ground clearance: Front, 12.3; Rear, 9.8
- Overall width: Front, 94; Rear, 96.4

### STANDARD EQUIPMENT

#### Cab: (Cont.)
- Dual air windshield wipers
- Door locks, safety latches and hold open stops
- Dome light, Cigar lighter, Ash tray, Black floor mat
- Grab handles, Formed fiberglass headliner

#### Axle, Rear:
- International RA-44. Rated capacity, 18,500 lb.
- Ratios: 4.78, 5.38, 6.14, 6.57 or 7.17 to 1.
- Single reduction, full-floating.
- Hypoid, straddle-mounted pinion, 16-in. ring gear.
- Tapered roller differential and wheel bearings.
- Induction-hardened steel axle shafts.
- Heat-treated steel housing, welded-on cover.

#### Brake, Parking and Emergency:
- Spring-actuated, released by air pressure
- Piggy-back, mounted on rear brake chambers

#### Brakes, Service, Air:
- Front, 16 x 2 1/4 in.; lining area, 151 sq. in.
- Rear, 16 x 6 in.; lining area, 410.8 sq. in.
- 7 1/4 cu. ft. air compressor, air reservoir
- Low pressure warning buzzer

#### Clutch:
- 14-in. diameter, 15-spring, with air assist
- Single plate, dry disc, with vibration dampener

#### Cooling System:
- Coolant capacity, 40 qt.
- Centrifugal pump, V-belt driven
- Fin and tube radiator, Large thermostat

#### Electrical System:
- 12-volt, with 37-amp. self-rectifying alternator
- 78-plate, 70-amp.-hr. battery
- Solenoid-operated starting motor
- Sealed-beam headlights, Cab front corner lights
- Double-face directional signals, front

#### Engine:
- International Red Diamond 406, 6-cylinder, gasoline
- Gross brake horsepower, 175 at 3,200 rpm
- Gross torque, 338 lb.-ft. at 1,700 rpm
- Bore, 4 3/8 in.; stroke, 4 1/2 in.; displacement, 406 cu. in.
- Compression ratio, 6.5 to 1
- Governor
- Oil capacity, 9 qt. Full-flow oil filter

#### Finish:
- Sheet metal rust-inhibited, painted any standard color

---

Dimensions and approximate weights are for chassis with cab, fuel, oil, water and standard equipment.

Axle, Front:
- FA-105. Rated capacity, 9,000 lb.
- Heat-treated forged steel I-beam.

Axle, Rear:
- International RA-44. Rated capacity, 18,500 lb.
- Ratios: 4.78, 5.38, 6.14, 6.57 or 7.17 to 1.
- Single reduction, full-floating.
- Hypoid, straddle-mounted pinion, 16-in. ring gear.
- Tapered roller differential and wheel bearings.
- Induction-hardened steel axle shafts.
- Heat-treated steel housing, welded-on cover.

Brake, Parking and Emergency:
- Spring-actuated, released by air pressure.
- Piggy-back, mounted on rear brake chambers.

Brakes, Service, Air:
- Front, 16 x 2 1/4 in.; lining area, 151 sq. in.
- Rear, 16 x 6 in.; lining area, 410.8 sq. in.
- 7 1/4 cu. ft. air compressor; air reservoir.
- Low pressure warning buzzer.

Cab:
- Fleetstar, all-steel with safety glass.
- Fully adjustable spring and foam-rubber padded driver's seat with shock absorber action.
- Individual gauges covering all engine functions.
- Identified fuses on panel inside map compartment.
- Dual king size rear view mirrors.
Frame:
- Heat-treated chrome-molybdenum steel channel.
- 9 x 3\(\frac{1}{2}\) x 1\(\frac{1}{2}\) in. Section modulus, 10.20.
- Resisting bending moment, 1,122,000 in.-lb.

Fuel System:
- Diaphragm fuel pump, camshaft driven. Fuel filter.
- Downdraft carburetor. Oil-bath air cleaner.
- IH 50-gal. left side step tank.

Hood:
- Reinforced fiberglass, forward tilting.

Springs:
- Semi-elliptic steel leaf.
  - Front, 3 x 48 in. Capacity, 4,500 lb. each.
  - Rear, 3 x 46 in. Capacity, 11,300 lb. each.

**OPTIONAL EQUIPMENT AT ADJUSTED COST**

Axle, Front:
- FA-112. Capacity, 11,000 lb. With 16\(\frac{1}{2}\) x 3\(\frac{1}{2}\)-in. brakes, heavy-duty springs.
- FA-215. Capacity, 12,000 lb. With 16\(\frac{1}{2}\) x 4-in. brakes, heavy-duty springs.

Axle, Rear:
- RA-152. Two-speed. Capacity, 23,000 lb., with 16\(\frac{1}{2}\) x 6-in. brakes. Ratios same as RA-146.
- RA-272. Double reduction. Capacity, 23,000 lb., with 16\(\frac{1}{2}\) x 7-in. brakes. Ratios: 5.9, 6.1, 7.21, 7.69 or 8.17 to 1.

Brakes, Service:
- Increased capacity, 16\(\frac{1}{2}\) x 7 in., rear.
- 12-cu.-ft. air compressor.
- Semi-trailer connections, trailer protection valve and hand control valve.
- Front wheel limiting valve.

Cab:
- Passenger's seat. Extra sun visor and arm rest.
- Bostrom Viking T-bar suspension driver's seat.
- Fresh air heater and defroster. Tinted glass.
- Single air horn. Dual air or electric horns.

Clutch:
- Heavy-duty, 14-in. diameter with ferramic facings.

Cooling System:
- Air-operated automatic radiator shutters.
- Increased capacity cooling.

Electrical System:
- Alternator, 55 or 62-amp.
- Dual 6-volt 150-amp.-hr. batteries.

**In order that product improvements may be introduced at any time, specifications are subject to change without notice.**
GROSS VEHICLE WEIGHT RATINGS: (GVWR)

<table>
<thead>
<tr>
<th></th>
<th>STANDARD GVWR 23,660</th>
<th>GVWR 27,080</th>
<th>GVWR 29,000</th>
<th>MAXIMUM GVWR w/ADVERTISED OPTIONS 33,560</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRONT AXLE</td>
<td></td>
<td>FA-98</td>
<td>FA-109</td>
<td>FA-139</td>
</tr>
<tr>
<td>Spring</td>
<td>03499</td>
<td>03500</td>
<td>03506</td>
<td>03506</td>
</tr>
<tr>
<td>Tire</td>
<td>9,00 x 20 - 10 PR</td>
<td>9,220</td>
<td>9,520</td>
<td>10,000 x 20 - 12 PR</td>
</tr>
<tr>
<td>FRT-GAWR</td>
<td></td>
<td>7,500</td>
<td>9,000</td>
<td>10,500</td>
</tr>
<tr>
<td>REAR AXLE</td>
<td></td>
<td>RA-44</td>
<td>RA-44</td>
<td>RA-44</td>
</tr>
<tr>
<td>Spring</td>
<td>03600</td>
<td>03600</td>
<td>03602</td>
<td>03602</td>
</tr>
<tr>
<td>Tire</td>
<td>9,00 x 20 - 10 PR</td>
<td>16,160</td>
<td>18,080</td>
<td>19,040</td>
</tr>
<tr>
<td>RR-GAWR</td>
<td></td>
<td>16,160</td>
<td>18,080</td>
<td>18,500</td>
</tr>
</tbody>
</table>

MAXIMUM GROSS COMBINATION WEIGHTS:
With 18,500-lb rear axles........... 50,000 lbs.
With 22,000-lb rear axle............. 56,000 lbs.

* 7.50V 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 of calculating specific GVWR’s. Where higher GVWR’s are required larger components must be specified.

STANDARD EQUIPMENT

**AXLE, FRONT**
FA-98 7,000-lb capacity
Heat-treated forged steel I-beam

**AXLE, REAR**
RA-44 18,500-lb capacity
Hypoid gear single reduction
One-piece forged steel housing
Full-floating, induction hardened shafts
Ratios: 4.10, 4.44, 4.78, 5.37, 6.14, 6.57 or 7.17

**BRAKE, PARKING**
DCM 12x4" drum type, at rear of transmission
Orscheln hand control lever
Total lining area: 110.3 sq. inches

**BRAKES, SERVICE**
Hydraulic with vacuum power assist
Self energizing; double wheel cylinders
13/4" diameter power cylinder
Lining size: 15x3" front, 15x6" rear
Total lining area: 577.4 sq. inches

**CAB**
All steel cab with steel butterfly hood and fenders
Individual driver seat, fully adjustable; foam rubber construction
Seat belts
Heavy-duty black rubber flooromat
Padded sun visor and dual armrests
Glove box, right side of dash
Fuse panel in glove box
Magnetic tachometer, speedometer, voltmeter, oil pressure, fuel and water temperature gauges
Hand choke and locking type hand throttle

**CAB (Continued)**
Electric two speed windshield wipers with single motor;
non-glare arms; electric windshield washers
Outside extension type rear view mirror, left side
Safety type door latches and hinges
Door locks, both doors
Left side cab grab handles
Fresh air heater and defroster

**CLUTCH**
14-inch 15-spring single-plate
Mechanical control; vibration dampener

**COOLING SYSTEM**
47.7 quart capacity
3-piece bolted radiator with de-aeration system, 775 sq. inch frontal area
Permanent anti-freeze: —20°F
Radiator sightglass

**DRIVELINE**
Mechanics 7C U-Joints

**ELECTRICAL**
12-volt 37-amp alternator
78-plate, 60 amp-hr battery, cowled mounted
Front directional signals with side reflectors and lamps
Two front clearance and three identification lamps
Dual stop and tail lamps
Rear directional signals
Dome light; cigar lighter
Back-up light; traffic hazard switch
Combination ignition and starter switch
STANDARD EQUIPMENT (Continued)

ENGINE
International RD-406 gasoline six
Gross BHP: 193.1 @ 3200 RPM
Gross torque: 373 lb-ft @ 1600 RPM
406 cu. in. displ.: 7.13 to 1 compr. ratio
Oil bath air cleaner; full-flow oil filter
Horizontal muffler and tail pipe with aluminized exhaust pipe
Exhaust emission control

FINISH
Frame, bumper, wheels, fuel tank: black
Cab, fenders and radiator shell: choice of any Standard IH color
Radiator grille insert: grey

FRAME
Heat treated straight steel channel
136, 148 inch WB:
9x3\(\frac{1}{8}\)x3\(\frac{1}{4}\); section modulus: 10.29
Resisting bending moment:
1,131,900 in-lbs
166 inch WB:
9\(\frac{1}{8}\)x3\(\frac{1}{8}\)x3\(\frac{1}{4}\); section modulus: 11.63
Resisting bending moment:
1,279,300 in-lbs
184, 202 inch WB:
9\(\frac{1}{8}\)x3\(\frac{1}{8}\)x3\(\frac{1}{4}\) with 8\(\frac{1}{8}\)x3\(\frac{1}{4}\)x\(\frac{1}{4}\)" full length inverted L-type heat treated frame reinforcement

FRAME (Continued)
Combined section modulus: 19.41
Combined resisting bending moment: 2,135,100
Heavy-duty formed steel channel front bumper

FUEL TANK
31-gallon steel, left side

STEERING
S-31 steering gear with jointed column
21" diameter steering wheel

SUSPENSION, FRONT
4x48" semi-elliptic steel leaf springs
Spring capacities tailored to axle load

SUSPENSION, REAR
3x46" semi-elliptic steel leaf springs
Spring capacities tailored to axle load

TRANSMISSION
T-54 5-speed, constant-mesh, direct
Ratios: 8.03, 4.61, 2.46, 1.41, 1.00; 8.00 rev.

WHEELS AND TIRES
Single front and dual rear
9.00x20 10-PR tires and tubes
Cast spoke wheels with 7.00T rims

OPTIONAL EQUIPMENT

AXLE, FRONT
FA-109 9,000-lb capacity wide-tread with S-44 steering gear, 15x3" hydraulic or 15x3" wedge air brakes
FA-139 12,000-lb with S-44 steering gear, 15x3\(\frac{1}{8}\)" hydraulic or 15x3\(\frac{1}{4}\)" wedge air brakes

AXLE, REAR
RA-47 22,000-lb single reduction with 16x6" hydraulic
15x7" wedge or 16\(\frac{1}{4}\)x7" S-cam air brakes
Ratios: 4.10, 4.44, 4.78, 5.37, 6.14, 6.57, 7.17, 8.17
RA-186 18,500-lb two-speed with 15x6" or 15x7" hydraulic; 15x6", 15x7" wedge; 16\(\frac{1}{8}\)x6" or 16\(\frac{1}{8}\)x7" S-cam air brakes
Ratios: 3.70/5.05, 4.33/5.91, 4.87/6.65, 5.57/7.60, 6.14/8.38, 6.50/8.87, 7.17/9.77
RA-192 22,000-lb two-speed with 16x6" hydraulic
15x7" wedge or 16\(\frac{1}{4}\)x7" S-cam air brakes
Ratios: 4.33/5.89, 4.56/6.20, 4.87/6.65, 5.57/7.60, 6.14/8.38, 6.50/8.87, 7.17/9.77

BRAKE, PARKING
DCM 10x3\(\frac{1}{4}\)" drum type, lining area: 69.1 sq. in.
DCM 12x5\(\frac{1}{4}\)" drum type: lining area: 137.6 sq. in.
Piggy-back mounted spring-actuated, with air brakes
Extra 462 cu. in. air tank to release spring-loaded brakes

BRAKES, SERVICE (HYDRAULIC)
Vacuum reserve tank with gauge
Semi-Trailer connections with hand control valve
15 x 3\(\frac{1}{4}\)" Hydraulic front brake
15 x 7" for RA-44 and RA-186
16 x 6" for RA-47 and RA-192

BRAKES, SERVICE (AIR)
Air brakes with 7\(\frac{1}{4}\) cu. ft. compressor
Dual reservoirs 2,400 cu. in. total capacity, pressure gauge, low pressure warning buzzer and air operated windshield wipers (single motor)
15x3\(\frac{1}{4}\)" wedge for RA-98 or RA-109
15x3\(\frac{3}{4}\)" wedge for RA-139
16\(\frac{1}{8}\)x7" S-cam for RA-98
16\(\frac{1}{8}\)x6" S-cam for RA-44 and RA-186
16\(\frac{1}{8}\)x7" S-cam for RA-44, RA-47, RA-186, RA-192, RA-292
15x5" wedge for RA-44, RA-186
15x7" wedge for RA-44, RA-47, RA-186, RA-192
12 cu. ft. compressor
Front wheel limiting valve; DV-2 drain valve
Air supply valve with 25 foot hose
Hand control for chassis air brakes
Low air pressure indicator, wig-wag
Semi-trailer connections with breakaway and hand control valve
Auxiliary Gladhand with connector at reservoir
INTERNATIONAL TRUCKS—World's Most Complete Line
Frame:
- Heat-treated chrome-molybdenum steel channel.
- 9 x 3\fs4 x \frac{3}{4} in. Section modulus, 10.20.
- Resisting bending moment, 1,122,000 in.-lb.

Fuel System:
- Diaphragm fuel pump, camshaft driven. Fuel filter.
- Downdraft carburetor. Oil-bath air cleaner.
- IH 50-gal. steel step tank mounted on left frame.

Hood:
- Reinforced fiberglass, forward tilting.

Springs:
- Semi-elliptic steel leaf.
- Front, 3 x 48 in. Capacity, 4,500 lb. each.
- Rear, 3 x 46 in., variable rate. Capacity, 11,330 lb. each.

Steering System:
- Variable ratio gear, aluminum housing, outboard mounted.
- Jointed steering column.
- Flat-angle 20-in. diameter steering wheel.

Tires:
- 10.00 x 20, 12-ply, with tubes; dual rear.

Transmission:
- T-63, five-speed, direct.
- Constant mesh helical gears, 3rd to 5th.
- Ratios: 8.08, 4.67, 2.62, 1.69 and 1.00 to 1.
- Reverse ratio, 8.12 to 1.
- Large power take-off opening, each side.

Wheels:
- Cast spoke, 7.50V rims.
- International lightweight 5-spoke, rear.

OPTIONAL EQUIPMENT AT ADJUSTED COST

Axle, Front:
- FA-112. Capacity, 11,000 lb. With 16\fs4 x 3\fs4 in. brakes, heavy-duty springs.
- FA-215. Capacity, 12,000 lb.

Axle, Rear:
- RA-57. Single reduction, 18-in. ring gear.
  - Capacity, 23,000 lb., with 16\fs4 x 7-in. brakes.
  - Ratios: 4.44, 4.77, 5.38, 6.14, 6.87, 7.17 or 8.17 to 1.
- RA-152. Two-speed. Capacity, 23,000 lb., with 16\fs4 x 6-in. brakes.
- RA-272. Double reduction. Capacity, 23,000 lb., with 16\fs4 x 7-in. brakes.
  - Ratios: 5.9, 6.1, 7.21, 7.69 or 8.17 to 1.

Brakes, Parking and Emergency:
- Lining area, 475.2 sq. in. with increased capacity rear brakes.

Brakes, Service:
- Increased capacity, 16\fs4 x 7 in., rear, for RA-47 or RA-152.
  - 12-cu. ft. air compressor.
  - Semi-trailer connections, trailer protection valve, hand control valve.
  - Front wheel limiting valve.

Cab:
- Passenger's seat. Extra sun visor and arm rest.
- Bostrom Viking T-bar suspension driver's seat.
- Heater and defroster. Special lights.

Clutch:
- Heavy-duty, 14-in. diameter with ferramic facings.

Cooling System:
- Air-operated automatic radiator shutters.
- Increased capacity cooling.

Electrical System:
- Alternator, 55 or 62-amp.
- Dual 6-volt 150-amp.-hr. batteries.
- Rear directional signals. Traffic hazard switch.

Engine:
- International Red Diamond 501, 6 cylinder, gasoline.
- Gross brake horsepower, 212 at 3,000 rpm.
- Gross torque, 444 lb.-ft. at 1,600 rpm.
- Auxiliary 2-qt. absorption type by-pass oil filter.
- High altitude equipment.
- Engine oil cooler.

Frame:
- Reinforcements, inverted L type.
- Two front tow hooks. Rear tow loop.
- Aluminum front bumper.

Fuel System:
- Aluminum 50-gal. step tank.
- Dual steel or aluminum 50-gal. step tanks.

Springs:
- Heavy-duty, for standard front axle.
- Front shock absorbers.

Steering:
- Semi-integral power steering.

Tires:
- Optional sizes, types and treads.

Transmission:
- T-60, five-speed, overdrive, 776 to 1.
- T-62, five-speed, direct, 1.38 to 1 in 4th.
- T-72, heavy-duty five-speed, direct, 1.38 to 1 in 4th.
- T-73, heavy-duty five-speed, direct, 1.69 to 1 in 4th.
- T-76, Roadranger, eight-speed, direct, two reverse.
- Transmission oil filter (standard with T-76).

Wheels:
- Disc. Aluminum five-spoke cast or disc, rear.

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

INTERNATIONAL HARVESTER COMPANY
160 NORTH MICHIGAN AVE. • CHICAGO 1, ILLINOIS
INTERNATIONAL TRUCKS—World's Most Complete Line

**FLEETSTAR**

**MODEL 2000-D**

**CHASSIS DIMENSIONS (In.)**

<table>
<thead>
<tr>
<th>WB</th>
<th>CA</th>
<th>AF</th>
<th>CF</th>
<th>OAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>132</td>
<td>66</td>
<td>34</td>
<td>100</td>
<td>191 1/2</td>
</tr>
<tr>
<td>144</td>
<td>78</td>
<td>34</td>
<td>112</td>
<td>203 1/2</td>
</tr>
<tr>
<td>156</td>
<td>90</td>
<td>56</td>
<td>146</td>
<td>257 1/2</td>
</tr>
</tbody>
</table>

**CHASSIS WEIGHTS (Lb.)**

<table>
<thead>
<tr>
<th></th>
<th>FRONT</th>
<th>REAR</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>5355</td>
<td>3610</td>
<td>8965</td>
<td></td>
</tr>
<tr>
<td>5435</td>
<td>3585</td>
<td>9020</td>
<td></td>
</tr>
<tr>
<td>5530</td>
<td>3590</td>
<td>9120</td>
<td></td>
</tr>
</tbody>
</table>

**TURNING RADII**

<table>
<thead>
<tr>
<th>Tire Center</th>
<th>Bumper</th>
</tr>
</thead>
<tbody>
<tr>
<td>25 ft. 5 in.</td>
<td>26 ft. 7 in.</td>
</tr>
<tr>
<td>27 ft. 5 in.</td>
<td>28 ft. 7 in.</td>
</tr>
<tr>
<td>29 ft. 6 in.</td>
<td>30 ft. 8 in.</td>
</tr>
</tbody>
</table>

**Dimensions and approximate weights are for chassis with cab, fuel, oil, water and standard equipment.**

**STANDARD EQUIPMENT**

Axle, Front:
- FA-105. Rated capacity, 9,000 lb.
- Heat-treated forged steel I-beam.

Axle, Rear:
- International RA-47. Rated capacity, 23,000 lb.
- Ratios: 5.38, 6.14, 6.57 or 7.17 to 1.
- Single reduction, full-floating.
- Hypoid, straddle-mounted pinion, 16-in. ring gear.
- Tapered roller differential and wheel bearings.
- Induction-hardened steel axle shafts.
- Heat-treated steel housing, welded-on cover.

Brakes, Parking and Emergency:
- Spring-actuated, released by air pressure.
- Piggy-back mounted on rear brake chambers.
- Lining area, 410.8 sq. in.

Brakes, Service, Air:
- Front, 16 x 2 1/4 in.; lining area, 151 cu. in.
- Rear, 16 1/2 x 6 in.; lining area, 410.8 cu. in.
- Two shoes per wheel, double-anchored.
- 12-cu.-ft. air compressor; air reservoir.
- Low pressure warning buzzer.

Cab:
- Fleetstar, all-steel and safety glass.
- Fully adjustable foam-rubber padded driver's seat with shock absorber action.
- Individual gauges covering all engine functions.
- Identified fuses on panel inside map compartment.

Engine:
- Cummins V6E-195, 6-cylinder, diesel.
- Gross brake horsepower, 195 at 2,500 rpm.
- Gross torque, 449 lb.-ft. at 1,800 rpm.
- Bore, 5 1/2 in.; stroke, 4 3/4 in.; displacement, 588 cu. in.
- Compression ratio, 16.7 to 1.

Cooling System:
- Coolant capacity, 46 qt. Large capsule thermostat.
- Centrifugal pump, V-belt driven.
- Fin and tube radiator.
- Automatic air-operated radiator shutters.

Electrical System:
- 12-volt, with 55-amp. self-rectifying alternator.
- Four 6-volt, 63-plate, 150-amp.-hr. batteries.
- Solenoid-operated starting motor.
- Sealed beam headlights.
- Double-face directional signals, front.

Dimensions that are the same for all WB with 10.00 x 20 tires (In.):
- Front tread, 78.
- Rear tread, 72.
- Ground clearance:
  - Front, 12.3. Rear, 8.9.
- Overall width, 94.
INTERNATIONAL FLEETSTAR MODEL 2000-D

Finish:
Sheet metal, rust-inhibited, painted any standard color.

Frame:
Heat-treated chrome-molybdenum steel channel.
9 x 3\(\frac{3}{4}\) x \(\frac{3}{8}\) in. Section modulus, 10.20.
Resisting bending moment, 1,122,000 in.-lb.

Fuel System:
Continuous flow, low-pressure PT type.
Gear pump, pressure regulator, governor, throttle and shut-down valve. Metering type injector.
IH 50-gal. steel step tank mounted on left frame.

Hood:
Reinforced fiberglass, forward tilting.

Springs:
Semi-elliptic steel leaf.
Front, 3 x 48 in. Capacity, 4,500 lb. each.
Rear, 3 x 46 in. Capacity, 11,330 lb. each.

Steering System:
Variable ratio gear, aluminum housing, outboard mounted.
Jointed steering column.
Flat-angle 20-in. diameter steering wheel.

Tires:
10.00 x 20, 12-ply, with tubes; dual rear.

Transmission:
T-214, five-speed, direct.
Constant mesh.
Ratios: 5.96, 2.95, 1.62, 1.25 and 1.00 to 1.
Reverse ratio, 6.01 to 1.
Large power take-off opening, each side.

Wheels:
Cast spoke, 7.50V rims.
International lightweight 5-spoke, rear.

OPTIONAL EQUIPMENT AT ADJUSTED COST

Axle, Front:
FA-112. Capacity, 11,000 lb. With 16\(\frac{3}{4}\) x 3\(\frac{3}{4}\)-in. brakes.
FA-215. Capacity, 12,000 lb. Heavy-duty springs.

Axle, Rear:
RA-57. Single reduction, 18-in. ring gear.
Capacity, 23,000 lb., with 16\(\frac{3}{4}\) x 7-in. brakes.
RA-152. Two-speed. Capacity, 23,000 lb., with 16\(\frac{3}{4}\) x 6-in. brakes.
RA-157. Two-speed. Capacity, 23,000 lb., with 16\(\frac{3}{4}\) x 7-in. brakes.
RA-272. Double reduction. Capacity, 23,000 lb., with 16\(\frac{3}{4}\) x 7-in. brakes.
Ratios: 5.9, 6.1, 7.21, 7.69 or 8.17 to 1.

Brakes, Parking and Emergency:
Lining area, 475.2 sq. in. with increased capacity rear brakes.

Brakes, Service:
Increased capacity, 16\(\frac{3}{4}\) x 7 in., rear.
Semi-trailer connections, trailer protection valve and hand control valve.
Front wheel limiting valve.

Cabin:
Passenger's seat. Extra sun visor and arm rest.
Bostrom Viking T-bar suspension driver's seat.
Heater and defroster. Special lights.

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

INTERNATIONAL HARVESTER COMPANY
180 NORTH MICHIGAN AVE. • CHICAGO 1, ILLINOIS
**Fleetstar 2000-D**

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 27,500</th>
<th>GVWR 29,360</th>
<th>GVWR 32,060</th>
<th>MAXIMUM GVWR w/ADVERTISED OPTIONS 34,120</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>FRONT AXLE</strong></td>
<td>FA-109</td>
<td>FA-139</td>
<td>FA-139</td>
<td>FA-139</td>
</tr>
<tr>
<td>Spring/Tube</td>
<td>9,000</td>
<td>12,000</td>
<td>12,000</td>
<td>12,000</td>
</tr>
<tr>
<td>Tire</td>
<td>10.00 x 20 - 12 PR</td>
<td>10.00 x 20 - 12 PR</td>
<td>10.00 x 20 - 14 PR</td>
<td>10.00 x 20 - 14 PR</td>
</tr>
<tr>
<td>FRT-GAWR</td>
<td>9,000</td>
<td>10,860</td>
<td>10,860</td>
<td>11,560</td>
</tr>
<tr>
<td><strong>REAR AXLE</strong></td>
<td>RA-57</td>
<td>RA-57</td>
<td>RA-57</td>
<td>RA-57</td>
</tr>
<tr>
<td>Spring/Tube</td>
<td>23,000</td>
<td>23,000</td>
<td>23,000</td>
<td>23,000</td>
</tr>
<tr>
<td>Tire</td>
<td>10.00 x 20 - 12 PR</td>
<td>19,040</td>
<td>19,040</td>
<td>21,200</td>
</tr>
<tr>
<td>RR-GAWR</td>
<td>18,500</td>
<td>18,500</td>
<td>21,200</td>
<td>22,560</td>
</tr>
</tbody>
</table>

**MAXIMUM GROSS COMBINATION WEIGHTS**

<table>
<thead>
<tr>
<th></th>
<th>03500 9,000</th>
<th>03506 12,000</th>
<th>03600 18,500</th>
<th>03602 23,000</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>FRT-GAWR</strong></td>
<td>9,000</td>
<td>12,000</td>
<td>10,860</td>
<td>11,560</td>
</tr>
<tr>
<td><strong>RR-GAWR</strong></td>
<td>9,000</td>
<td>12,000</td>
<td>10,860</td>
<td>11,560</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 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

- **CAB (Continued)**
  - Hand throttle
  - Dual air-operated windshield wipers
  - Electrical windshield washers
  - Dual king-size rear view mirrors
  - Door locks, both doors: Cab grab-handles
  - Fresh air heater and defroster
  - Coat hook

- **COOLING SYSTEM**
  - 48-quart capacity
  - Three piece bolted radiator with de-aeration system
  - Radiator frontal area: 873 sq. inches
  - Automatic radiator shutters
  - Permanent type anti-freeze —20°F
  - Radiator sight glass

- **ELECTRICAL SYSTEM**
  - 12-volt, 55-amp alternator
  - Electrical windshield washer pump
  - Automatic radiator shutters
  - Fuse panel in glove box
  - Electrical windshield wipers

- **ENGINE (Continued)**
  - Oil bath air cleaner; full-flow oil filter
  - Horizontal muffler with vertical stack
  - Frame, bumper, wheels, fuel tank: black
  - Cab and fenders: choice of any standard IH color

- **FRAME**
  - Heat treated straight steel channel
  - 9 x 3½ x 1½", Sec. modulus: 10.29
  - Resisting bending moment: 1,131,900 in-lbs.
  - Six, seven or eight crossmembers

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

- **STEERING**
  - S-63 steering gear
  - 20-inch steering wheel

- **SUSPENSION, FRONT**
  - 3 x 4 hatch semi-elliptic steel leaf springs
  - Spring capacities tailored to axle load

- **SUSPENSION, REAR**
  - 3 x 4½ hatch semi-elliptic steel leaf springs
  - Spring capacities tailored to axle load

- **TRANSMISSION**
  - T-135 (5-H-74T) five-speed constant-mesh direct
  - Ratios: 6.51 Rev.

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

### OPTIONAL EQUIPMENT

- **CAB**
  - Bostrom Viking T-bar driver's seat
  - Passenger seat: tinted glass
  - Fresh air blower
  - Dual deluxe king size rear view mirrors
  - Extra arm rest; extra sun visor
  - 16 x 7 aluminum king size mirrors
  - 14-inch 2-plate HD with ceramic facing

- **ENGINE**
  - Cummins NH-230 diesel six
  - Gross BHP: 230 @ 2100 RPM
  - Gross Torque: 632 lb-ft @ 1450 RPM
  - Automatic radiator shutters
  - Dual air-operated windshield wipers

- **TRANSMISSION**
  - T-135 (5-H-74T) five-speed constant-mesh direct
  - Ratios: 6.51 Rev.

- **WHEELS AND TIRES**
  - Single front and dual rear 10.00 x 20 12-PR tires and tubes
  - Cast spoke wheels with 7.50V rims
### Specifications

#### Fleetstar 2000 D

<table>
<thead>
<tr>
<th>Specification</th>
<th>Standard</th>
<th>Optional</th>
</tr>
</thead>
<tbody>
<tr>
<td>BBC, inches</td>
<td>92</td>
<td></td>
</tr>
<tr>
<td>Wheelbase, inches</td>
<td>132</td>
<td>144</td>
</tr>
<tr>
<td>CA, inches</td>
<td>66</td>
<td>78</td>
</tr>
<tr>
<td>CF, inches</td>
<td>100</td>
<td>112</td>
</tr>
<tr>
<td>OAL, inches</td>
<td>191.5</td>
<td>203.5</td>
</tr>
</tbody>
</table>

#### Fleetstar F 2000 D

<table>
<thead>
<tr>
<th>Specification</th>
<th>Standard</th>
<th>Optional</th>
</tr>
</thead>
<tbody>
<tr>
<td>GCW Rating, lbs.</td>
<td>79,000</td>
<td></td>
</tr>
<tr>
<td>Front Axle, lbs.</td>
<td>FA-105 9,000</td>
<td>FA-112 11,000</td>
</tr>
<tr>
<td>Rear Axle, lbs.</td>
<td>RA-57 23,000</td>
<td>RA-197 23,000</td>
</tr>
<tr>
<td>Engines HP</td>
<td>NH-230 230 HP</td>
<td></td>
</tr>
<tr>
<td>Clutch</td>
<td>14&quot; 2 Plate</td>
<td>H.D. 14&quot; 2 plate</td>
</tr>
</tbody>
</table>

#### Transmissions

- T-135 Constant Mesh 5-Speed Direct
- T-128 15-Speed Twin-Countershaft
- T-129 10-Speed Twin-Countershaft
- Roadranger Direct
- T-136 5-Speed Direct
- T-252 5-Speed Overdrive
- T-320 5-Speed
- T-345 5-Speed
- T-355 5-Speed Constant Mesh
- T-405 16-Speed
- T-459 13-Speed

#### Cooling System

- 48 qt. Capacity Bolted Radiator/Sight Glass 873 sq. in./Auto. Shutters Anti-Freeze—20°

#### Electrical

- 12-Volt 62 Amp. Alternator Four 6-Volt, 200 Amp. Hr. Batteries Dual Electric Horns Combination Oil and Water, Warning Light

#### Tires, Std. Maximum

<table>
<thead>
<tr>
<th>Specification</th>
<th>Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>10.00 x 20 12-Ply</td>
<td>11.00 x 22 12-Ply</td>
</tr>
</tbody>
</table>

#### Steering

- Manual 20° Steering Wheel

#### Brakes, Service

- Air 16½'' x 2½'' Rear
- Air 16½'' x 2½'' Front
- Total Lining Area 625.7 sq. in.
- 2,464 cu. in. Reservoir
- Front Wheel Limiting Valve Semi-Trailer Connections with Hand Control and Breakaway Valves BW in lieu of Standard IH

#### Brake, Parking

- Piggyback Total Lining Area 411.0 sq. in.
- Extra 462 cu. in.
- Air Tank to Release Piggyback Brakes

#### Wheels

- Cast 750 V Rims
- 10 Stud Steel Disc or Aluminum Cast Spoke Rear Wheels

#### Suspension

- 3'' x 46'' Steel Leaf Spring IH Air Bag Suspension
- 4'' x 34'' Steel Leaf Spring 34,000 lb. Capacity

Specifications, descriptions and illustrative material in this literature are as accurate as known at the time of publication, but are subject to change without notice.

The following trademarks of International Harvester Company are registered in the U. S. Patent Office: INTERNATIONAL, FLEETSTAR and .................

INTERNATIONAL TRUCKS

INTERNATIONAL HARVESTER COMPANY • CHICAGO, ILLINOIS 60611

AD-4154-Z8 1-71 LITHOGRAPHED IN THE UNITED STATES OF AMERICA
INTERNATIONAL

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>GVWR</th>
<th>GVWR</th>
<th>MAXIMUM GVWR w/ADVERTISED OPTIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>23,660</td>
<td>27,080</td>
<td>29,000</td>
<td>33,560</td>
</tr>
<tr>
<td>FRONT AXLE</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Spring</td>
<td>FA-98</td>
<td>7,500</td>
<td>9,000</td>
<td>FA-139</td>
</tr>
<tr>
<td>Tire</td>
<td>9.00 x 20 - 10 PR</td>
<td>7,500</td>
<td>9,520</td>
<td>10.00 x 20 - 12 PR*</td>
</tr>
<tr>
<td>FRT-GAWR</td>
<td>7,500</td>
<td>9,000</td>
<td>10,500</td>
<td>11,560</td>
</tr>
<tr>
<td>REAR AXLE</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Spring</td>
<td>RA-44</td>
<td>18,500</td>
<td>18,800</td>
<td>RA-47</td>
</tr>
<tr>
<td>Tire</td>
<td>9.00 x 20 - 10 PR</td>
<td>16,160</td>
<td>18,080</td>
<td>19,040</td>
</tr>
<tr>
<td>RR-GAWR</td>
<td>16,160</td>
<td>18,080</td>
<td>18,500</td>
<td>22,000</td>
</tr>
</tbody>
</table>

MAXIMUM GROSS COMBINATION WEIGHTS:

- With 18,500-lb rear axles: 50,000 lbs.
- With 22,000-lb rear axles: 55,000 lbs.

* 7.50V 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 of calculating specific GVWR's. Where higher GVWR's are required larger components must be specified.

**STANDARD EQUIPMENT**

**AXLE, FRONT**
FA-98 7,500-lb capacity
Heat treated forged steel I-beam

**AXLE, REAR**
RA-44 18,500-lb capacity
Hypoid gear single reduction
One piece forged steel housing
Full floating, induction hardened shafts
Ratios: 4.10, 4.44, 4.78, 5.37, 6.14, 6.57 or 7.17

**BRAKE, PARKING**
DCM 12x4" drum type, at rear of transmission
Orscheln hand control lever
Total lining area: 110.3 sq. inches

**BRAKES, SERVICE**
Hydraulic with vacuum power assist
Self energizing; double wheel cylinders
12¾" diameter power cylinder
Lining size: 15x3" front, 15x6" rear
Total lining area: 577.4 sq. inches

**CAB**
All steel cab with forward-tilting one-piece reinforced fiberglas hood and front fenders
Individual driver and passenger seats, fully adjustable; foam rubber construction
Seat belt anchors
Heavy-duty black rubber floor mat
Dual padded sun visors; dual arm rests
Glove box, right side of dash
Fuse panel in glove box
Magnetic tachometer, speedometer, voltmeter, oil pressure, fuel and water temperature gauges
Hand choke and locking type hand throttle
Electric two speed windshield wipers with single motor, non-glare arms; electric windshield washers
Outside extension type rear view mirror, left side
Safety type door latches and hinges
Door locks, both doors
Cab grab handles; coat hanger
Fresh air heater and defroster

**CLUTCH**
14-inch 15-spring single-plate
Mechanical control; vibration damper

**COOLING SYSTEM**
47.7 quart capacity
3-piece bolted radiator with de-aeration system, 775 sq. inch frontal area
Permanent anti-freeze: -20° F
Radiator sightglass

**DRIVELINE**
Mechanics 7C U-Joints

**ELECTRICAL**
12-volt 37-amp alternator
78-plate, 70 amp-hr battery, cowl mounted
Front directional signals with side reflectors and lamps
Two front clearance and three identification lamps
Dual stop and tail lamps
Rear directional signals
Dome light; cigar lighter
Back-up light; traffic hazard switch
Push button starting switch

**ENGINE**
International RD-450 gasoline six
Gross BHP: 202 @ 3000 RPM
Gross torque: 422 lb-ft @ 1600 RPM
450 cu. in. displ.; 7.06 to 1 compr. ratio
Oil bath air cleaner; full flow oil filter
Horizontal muffler and tail pipe with aluminized exhaust pipe
Exhaust emission control

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

**FRAME**
Heat treated straight steel channel
136, 148 inch WB:
9x3½x4; section modulus: 10.29
Resisting bending moment: 1,131,900 in-lbs
Fleetstar 2010A

STANDARD EQUIPMENT (Continued)

FRAME (Continued)
166 inch WB:
- 9\(\frac{1}{4}\)x3\(\frac{3}{4}\)x1\(\frac{1}{8}\)"; section modulus: 11.63
- Resisting bending moment: 1,279,300 in-lbs
184, 202 inch WB:
- 9\(\frac{1}{4}\)x3\(\frac{3}{4}\)x1\(\frac{1}{8}\)" with 8\(\frac{1}{4}\)x3\(\frac{3}{4}\)x1\(\frac{1}{4}\)" full length inverted L-type heat treated frame reinforcement
- Combined section modulus: 19.41
- Combined resisting bending moment: 2,135,100

Resisting bending moment:

Heavy-duty formed steel channel front bumper

SUSPENSION, FRONT
- 4x48" semi-elliptic steel leaf springs
- Spring capacities tailored to axle load

SUSPENSION, REAR
- 3x46" semi-elliptic steel leaf springs
- Spring capacities tailored to axle load

TRANSMISSION
- T-54 5-speed, constant-mesh, direct
- Ratios: 8.03, 4.61, 2.46, 1.41, 1.00; 8.00 rev.

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

STEERING
- S-31 steering gear with jointed column
- 21" diameter steering wheel

SUSPENSION, FRONT
4x48" semi-elliptic steel leaf springs
Spring capacities tailored to axle load

SUSPENSION, REAR
3x46" semi-elliptic steel leaf springs
Spring capacities tailored to axle load

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

STEERING
- S-31 steering gear with jointed column
- 21" diameter steering wheel

WHEELS AND TIRES
- Single front and dual rear
- 9.00x20 10-PR tires and tubes
- Cast spoke wheels with 7.00T rims

OPTIONAL EQUIPMENT

AXLE, FRONT
- FA-109 9,000-lb capacity center-tread with S-44 steering gear, 15x3/4" hydraulic or 15x3" wedge air brakes
- FA-139 12,000-lb with S-44 steering gear 15x3/4" hydraulic or 15x3/2" wedge air brakes

AXLE, REAR
- RA-47 22,000-lb single reduction with 16x6" hydraulic, 15x7" wedge or 16\(\frac{1}{2}\)x7" S-cam air brakes
- Ratios: 4.10, 4.44, 4.78, 5.37, 6.14, 6.57, 7.17, 8.17
- RA-186 18,500-lb two-speed with 15x6" or 15x7" hydraulic, 15x6", 15x7" wedge or 16\(\frac{1}{2}\)x6" or 16\(\frac{1}{2}\)x7" S-cam air brakes
- Ratios: 3.70/5.05, 4.33/5.91, 4.87/6.65, 5.57/7.60, 6.14/8.38, 6.50/8.87, 7.17/9.77
- RA-192 22,000-lb two-speed with 16x6" hydraulic, 15x7" wedge or 16\(\frac{1}{2}\)x7" S-cam air brakes
- Ratios: 4.33/5.89, 4.56/6.20, 4.87/6.65, 5.57/7.60, 6.14/8.38, 6.50/8.87, 7.17/9.77
- RA-292 22,000-lb double reduction with 16x6" hydraulic, 15x7" wedge or 16\(\frac{1}{2}\)x7" S-cam air brakes
- Ratios: 5.90, 6.10, 7.21, 7.69, 8.17, 8.52

BRAKE, PARKING
- DCM 10x3" drum type, lining area: 69.1 sq. in.
- DCM 12x5" drum type: lining area: 137.6 sq. in.
- Piggy-back mounted spring-actuated, with air brakes
- Extra 462 cu. in. air tank to release spring-loaded brakes

BRAKES, SERVICE (HYDRAULIC)
- Vacuum reserve tank with gauge
- Semi-trailer connections with hand control valve
- 15x3/4" for FA-119
- 15x7" for RA-44 or RA-186
- 16x6" for RA-47, RA-192 and RA-292

BRAKES, SERVICE (AIR)
- Air brakes with 74 cu. ft. compressor
- Dual reservoirs 2,400 cu. in. total capacity, pressure gauge, low pressure warning buzzer and air operated windshield wipers (single motor)
- 15x3/4" wedge for FA-98 or FA-109
- 15x3/2" wedge for FA-119
- 16x2" S-cam for FA-98
- 16x2" S-cam for RA-44, RA-186
- 16x2" S-cam for RA-47, RA-48, RA-186, RA-192, RA-292
- 15x6" wedge for RA-44, RA-186
- 15x7" wedge for RA-44, RA-47, RA-186, RA-192, RA-292
- 12 cu. ft. compressor
- Front wheel limiting valve
- Air supply valve with 25 foot hose
- Hand control for chassis air brakes
- Low air pressure indicator, wig-wag
- Semi-trailer connections with breakaway and hand control valve
OPTIONAL EQUIPMENT (Continued)

CAB
Steel butterfly hood and fenders
Bostrom Viking T-Bar driver's seat
Full width sponge rubber seat and back
Omit passenger seat
Tinted glass
Sliding rear window
King size rear view mirrors
Inside rear view mirror
Extension type rear view mirror; passenger side
Omit rear view mirror
Seat belts
Air conditioner
Padded instrument panel
National Cush-N-Aire driver's seat

FRAME
Inverted L-Type full length heat treated frame reinforcement (mandatory for dump and off-highway service)
Two rear tow hooks
Rear tow loop
Two front tow loops
Tapered rear frame
Frame with integral 18" front extension and front U-channel reinforcement with sweptback front bumper
Fifth wheel mounting angle iron

FUEL TANKS
31-gallon left, right or dual side mounted
50 or 63-gallon left, right or dual center step safety
50-gallon aluminum left, right or dual center step safety
In-Tank electric fuel pump
(Std. with V-8 engines)

COOLING SYSTEM
Increased capacity cooling
Automatic radiator shutters
(Std with V-8 engines)

DRIVELINE
Mechanics 8C U-Joints

ELECTRICAL SYSTEM
55-amp or 62-amp alternator
Dual 6-volt, 150 amp-hr batteries
Trailer light connections 6 or 7-way
Trailer lighting cable; separate switch for trailer lights
Dual electric horns; dual air horns
Back of cab mounted reflectors
Fender mounted parking lights
Transistorized ignition system
Radio and antenna
Heavy-duty centrifugal speedometer
Recording tachographs; MPH, RPM, 24-hour or multitad
Centrifugal or electrical tachometer

ENGINE
RD-501 214.8-BHP gasoline, six
VS-401 206.0-BHP gasoline, V-8*
VS-478 234.0-BHP gasoline, V-8*
FTVS-549 285.0-BHP gasoline, V-8*
High altitude equipment
(5,000 or 10,000 ft.)
Luberfiner, 14-quart capacity
Farr dry type air cleaner with thermostatically controlled air intake system and flow restriction indicator
IH flywheel PTO
Front mounted PTO
Environmental package:
Transistorized ignition system
Luberfiner oil filter
Farr dry type air cleaner
*Includes dual mufflers and tail pipes, in-tank fuel pump and radiator shutters

STEERING
Power steering

SUSPENSION
4,000-lb auxiliary rear springs
Front shock absorbers
Air Bag

TRANSMISSION
T-53 (F-52) 5-speed, 0.825 overdrive
T-57 (5W43D) 5-speed direct; 1.14 fourth gear
T-68 (5652) 5-speed direct, 1.45 fourth gear
T-88 (5752-C) 5-speed direct; 1.18 fourth gear
T-223 (6352) 5-speed direct; 1.44 fourth gear
T-365 (R-46-ST) 8-speed direct; roadranger
T-401 (5CW-62) 5-speed direct; 1.16 fourth gear
T-402 (5CW-62) 5-speed direct; 1.37 fourth gear
T-403 (5CW-62) 5-speed direct; 1.57 fourth gear
T-404 (5CW-620) 5-speed; 0.865 overdrive
T-448 (RT-640) 10-speed, twin countershaft roadranger
MT-series six-speed automatic
AT-522 (7231 A or B) 3-speed auxiliary
AT-523 (7231A, B or D) 3-speed auxiliary

WHEELS AND TIRES
Optional tire sizes as shown on next page
10-stud steel disc wheels
IH front and/or rear wheel seals
DIMENSIONS and WEIGHTS

†Reduce by 2" when flat face front bumper is used.

DIMENSIONS COMMON TO ALL WHEELBASES, WITH 9.00x20 TIRES

Overall Width: 95.5" at Front Fenders
Overall Height: 95.9" at Top of Cab
Ground Clearance: 10.4" at Front Axle
Frame Height at Rear Axle: 9.2" at Rear Axle

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>OAL</th>
<th>To Centerline of Tire</th>
<th>With Bumper Clearance</th>
</tr>
</thead>
<tbody>
<tr>
<td>136&quot;</td>
<td>4,800</td>
<td>3,055</td>
<td>7,855</td>
<td>72&quot;</td>
<td>104&quot;</td>
<td>194&quot;</td>
<td>22 ft. 6 in.</td>
<td>23 ft. 10 in.</td>
</tr>
<tr>
<td>148&quot;</td>
<td>4,810</td>
<td>3,150</td>
<td>7,960</td>
<td>84&quot;</td>
<td>138&quot;</td>
<td>228&quot;</td>
<td>24 ft. 3 in.</td>
<td>25 ft. 7 in.</td>
</tr>
<tr>
<td>166&quot;</td>
<td>4,910</td>
<td>3,220</td>
<td>8,130</td>
<td>102&quot;</td>
<td>169&quot;</td>
<td>259&quot;</td>
<td>26 ft. 10 in.</td>
<td>28 ft. 2 in.</td>
</tr>
<tr>
<td>184&quot;</td>
<td>4,950</td>
<td>3,435</td>
<td>8,385</td>
<td>120&quot;</td>
<td>216&quot;</td>
<td>306&quot;</td>
<td>29 ft. 5 in.</td>
<td>30 ft. 9 in.</td>
</tr>
<tr>
<td>202&quot;</td>
<td>4,985</td>
<td>3,475</td>
<td>8,460</td>
<td>138&quot;</td>
<td>234&quot;</td>
<td>324&quot;</td>
<td>32 ft. 1 in.</td>
<td>33 ft. 5 in.</td>
</tr>
</tbody>
</table>

*With cab, standard equipment, fuel, oil and water. Estimated pre-production weights

TIRE DIMENSIONS

<table>
<thead>
<tr>
<th>Tire Size</th>
<th>9.00x20</th>
<th>10.00x20</th>
<th>10.00x22</th>
<th>11.00x22</th>
<th>11.00x20</th>
<th>10.00x20</th>
<th>10.00x22</th>
<th>10.00x20</th>
<th>10.00x22</th>
<th>11.00x20</th>
<th>11.00x22</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cast Wheels</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rim Size</td>
<td>7.00T</td>
<td>7.00T</td>
<td>7.50V</td>
<td>7.50V</td>
<td>7.50V</td>
<td>7.00T</td>
<td>7.00T</td>
<td>7.50V</td>
<td>7.50V</td>
<td>7.50V</td>
<td>7.50V</td>
</tr>
<tr>
<td>Outside Width OW</td>
<td>94.4&quot;</td>
<td>95.0&quot;</td>
<td>95.8&quot;</td>
<td>95.8&quot;</td>
<td>96.1&quot;</td>
<td>96.1&quot;</td>
<td>95.8&quot;</td>
<td>95.2&quot;</td>
<td>95.3&quot;</td>
<td>95.5&quot;</td>
<td>95.6&quot;</td>
</tr>
<tr>
<td>Tread Width TW</td>
<td>72.0&quot;</td>
<td>72.0&quot;</td>
<td>72.0&quot;</td>
<td>72.0&quot;</td>
<td>72.0&quot;</td>
<td>71.4&quot;</td>
<td>71.4&quot;</td>
<td>71.5&quot;</td>
<td>71.5&quot;</td>
<td>71.4&quot;</td>
<td>71.5&quot;</td>
</tr>
<tr>
<td>Inside Width IW</td>
<td>49.6&quot;</td>
<td>49.0&quot;</td>
<td>48.2&quot;</td>
<td>48.2&quot;</td>
<td>47.9&quot;</td>
<td>47.9&quot;</td>
<td>49.0&quot;</td>
<td>48.4&quot;</td>
<td>47.7&quot;</td>
<td>47.3&quot;</td>
<td>47.4&quot;</td>
</tr>
<tr>
<td>Chain Clearance</td>
<td>3.2&quot;</td>
<td>2.9&quot;</td>
<td>2.5&quot;</td>
<td>2.5&quot;</td>
<td>2.4&quot;</td>
<td>2.4&quot;</td>
<td>2.9&quot;</td>
<td>2.6&quot;</td>
<td>2.2&quot;</td>
<td>2.3&quot;</td>
<td>2.1&quot;</td>
</tr>
<tr>
<td>Front Tread</td>
<td>78.0&quot;</td>
<td>78.0&quot;</td>
<td>77.4&quot;</td>
<td>77.3&quot;</td>
<td>77.3&quot;</td>
<td>77.3&quot;</td>
<td>78.0&quot;</td>
<td>77.8&quot;</td>
<td>76.9&quot;</td>
<td>76.8&quot;</td>
<td>76.8&quot;</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Disk Wheels</th>
<th>9.00x20</th>
<th>10.00x20</th>
<th>10.00x22</th>
<th>11.00x22</th>
<th>11.00x20</th>
<th>10.00x20</th>
<th>10.00x22</th>
<th>10.00x20</th>
<th>10.00x22</th>
<th>11.00x20</th>
<th>11.00x22</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rim Size</td>
<td>7.00T</td>
<td>7.00T</td>
<td>7.50V</td>
<td>7.50V</td>
<td>7.50V</td>
<td>7.00T</td>
<td>7.00T</td>
<td>7.50V</td>
<td>7.50V</td>
<td>7.50V</td>
<td>7.50V</td>
</tr>
<tr>
<td>Outside Width OW</td>
<td>93.8&quot;</td>
<td>94.6&quot;</td>
<td>95.2&quot;</td>
<td>95.3&quot;</td>
<td>95.5&quot;</td>
<td>96.1&quot;</td>
<td>95.8&quot;</td>
<td>95.2&quot;</td>
<td>95.3&quot;</td>
<td>95.5&quot;</td>
<td>95.6&quot;</td>
</tr>
<tr>
<td>Tread Width TW</td>
<td>71.4&quot;</td>
<td>71.4&quot;</td>
<td>71.5&quot;</td>
<td>71.5&quot;</td>
<td>71.4&quot;</td>
<td>71.4&quot;</td>
<td>71.5&quot;</td>
<td>71.5&quot;</td>
<td>71.5&quot;</td>
<td>71.4&quot;</td>
<td>71.5&quot;</td>
</tr>
<tr>
<td>Inside Width IW</td>
<td>49.0&quot;</td>
<td>48.4&quot;</td>
<td>47.7&quot;</td>
<td>47.3&quot;</td>
<td>47.4&quot;</td>
<td>49.0&quot;</td>
<td>48.4&quot;</td>
<td>47.7&quot;</td>
<td>47.3&quot;</td>
<td>47.4&quot;</td>
<td>47.4&quot;</td>
</tr>
<tr>
<td>Chain Clearance</td>
<td>2.9&quot;</td>
<td>2.6&quot;</td>
<td>2.2&quot;</td>
<td>2.3&quot;</td>
<td>2.1&quot;</td>
<td>2.9&quot;</td>
<td>2.6&quot;</td>
<td>2.2&quot;</td>
<td>2.3&quot;</td>
<td>2.1&quot;</td>
<td>2.1&quot;</td>
</tr>
<tr>
<td>Front Tread</td>
<td>77.3&quot;</td>
<td>77.3&quot;</td>
<td>76.8&quot;</td>
<td>76.9&quot;</td>
<td>76.8&quot;</td>
<td>77.3&quot;</td>
<td>77.3&quot;</td>
<td>76.8&quot;</td>
<td>76.9&quot;</td>
<td>76.8&quot;</td>
<td>76.8&quot;</td>
</tr>
</tbody>
</table>

In order that product improvements may be introduced at any time, specifications are subject to change without notice.
INTERNATIONAL FLEETSTAR 2010A

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 23,060</th>
<th>GVWR 27,060</th>
<th>GVWR 29,000</th>
<th>MAXIMUM GVWR w/ADVERTISED OPTIONS 33,560</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRONT AXLE</td>
<td>FA-101 7,500</td>
<td>FA-109 9,000</td>
<td>FA-329 10,500</td>
<td>FA-330 12,000</td>
</tr>
<tr>
<td>Spring</td>
<td>w/Axle 7,500</td>
<td>w/Axle 9,000</td>
<td>w/Axle 10,500</td>
<td>w/Axle 12,000</td>
</tr>
<tr>
<td>Tire</td>
<td>9.00 x 20-10PR 9,220</td>
<td>9.00 x 20-12 PR 9,820</td>
<td>10.00 x 20-12 PR 10,860</td>
<td>10.00 x 22-14 PR 11,560</td>
</tr>
<tr>
<td>RR-GAWR</td>
<td>7,500</td>
<td>9,000</td>
<td>10,500</td>
<td>11,560</td>
</tr>
<tr>
<td>REAR AXLE</td>
<td>RA-44 18,500</td>
<td>RA-44 18,500</td>
<td>RA-44 18,500</td>
<td>RA-47 22,000</td>
</tr>
<tr>
<td>Spring</td>
<td>03600 18,500</td>
<td>03600 18,500</td>
<td>03600 18,500</td>
<td>03602 23,000</td>
</tr>
<tr>
<td>Tire</td>
<td>9.00 x 20-10 PR 16,160</td>
<td>9.00 x 20-12 PR 18,080</td>
<td>10.00 x 20-12 PR 19,040</td>
<td>10.00 x 22-14 PR 22,560</td>
</tr>
<tr>
<td>RR-GAWR</td>
<td>16,160</td>
<td>18,080</td>
<td>18,520</td>
<td>22,000</td>
</tr>
</tbody>
</table>

MAXIMUM GROSS COMBINATION WEIGHTS:
With 18,500-lb rear axles .......................... 50,000 lbs.
With 22,000-lb or 23,000-lb rear axles .......... 55,000 lbs.

*7.50V Him

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.

STANDARD EQUIPMENT

AXLE, FRONT
FA-101 7,500-lb capacity
Heat treated forged steel I-beam

AXLE, REAR
RA-44 18,500-lb capacity
Hypoid gear single reduction
One piece forged steel housing
Full floating, induction hardened shafts

BRAKES, PARKING
DCM 12x4" drum type, at rear of transmission
Orscheln hand control lever
Total lining area: 110.3 sq. inches

BRAKES, SERVICE
Hydraulic with vacuum power assist
Self energizing; double wheel cylinder
12½" diameter power cylinder
Front: 15 x 3"
Rear: 15 x 6"
Total lining area: 577.4 sq. inches

CAB
All steel cab with forward-tilting one-piece reinforced fiberglass hood and front fenders
Individual driver and passenger seats, fully adjustable; foam rubber construction
Seat belts
Heavy-duty black rubber floor mat w/jute backing
Dual padded sun visors; dual arm rests
Glove box, right side of dash
Fuse panel in glove box
Magnetic tachometer, speedometer, voltmeter, oil pressure, fuel and water temperature gauges
Hand choke, hand throttle
Electric two-speed windshield wipers with single motor, non-glare arms; electric windshield washers
Outside extension type rear view mirror, left side
Safety-type door latches and hinges

CAB (Cont'd.)
Door locks, both doors
Cab grab handles; coat hanger
Fresh air heater and defroster
Illuminated identification of controls
Hardboard headliner

CLUTCH
14-inch 15-spring single-plate
Mechanical control; vibration dampener

COOLING SYSTEM
53-quart capacity
Bolted radiator with de-aeration system, 775 sq. inch frontal area
Permanent anti-freeze: —20° F
Radiator sightglass

DRIVELINE
Mechanics 7C U-Joints

ELECTRICAL
12-volt 37-amp alternator
78-plate, 70 amper/hr battery, cowl mounted
Front directional signals with side reflectors and lamps
Two front clearance and three identification lamps
Dual stop, tail, turn and backup lamps with integral junction box (Lexan)
Rear directional signals
Dome light; cigar lighter
Traffic hazard switch
Push button starting switch

ENGINE
International VS-478 Gasoline V8
Net BHP 209 @ 3400 RPM
Net torque 334 lb-ft @ 2200 RPM
477.2 cu. in., disp., 7.6 to 1 compr. ratio
Oil bath air cleaner; Full flow oil filter
Dual horizontal mufflers and tail pipes
Radiator shutters and in-tank fuel pump
Exhaust emission control
STANDARD EQUIPMENT (Continued)

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

FRAME
Heat treated straight alloy & steel channel, 110,000 PSI
136, 148 inch WB:
9 x 3% x 4/"; section modulus: 10.29
Resisting bending moment:
1,131,900 in-lbs
166 inch WB:
9-1/16 x 3-17/32 x 9/32"; section modulus: 11.63
Resisting bending moment:
1,279,300 in-lbs
184, 202 inch WB:
9-1/16 x 3-17/32 x 9/32" with 8-9/16 x 3-3/4 x 1/4"
full length inverted L-type heat treated frame
reinforcement
Combined section modulus: 19.41
Combined resisting bending moment: 2,135,100 in-lbs.

FUEL TANK (Nominal Capacity)
50-gallon steel center-step safety, left side

STEERING
S-31 steering gear with jointed column
21" diameter steering wheel

SUSPENSION, FRONT
4 x 48" 7,500-lb capacity semi-elliptic steel leaf springs

SUSPENSION, REAR
3 x 46" 18,500-lb capacity vari-rate steel springs

TRANSMISSION
T-68 5-speed, synchronized, direct

WHEELS AND TIRES
Single front and dual rear
9.00 x 20 10 PR tires and tubes
Cast spoke wheels with 7.00T rims

OPTIONAL EQUIPMENT

AXLE, FRONT
FA-109 9,000-lb capacity center-tread
FA-309 9,000-lb capacity, center-tread
FA-329 10,800-lb capacity center-tread
FA-339 12,000-lb capacity center-tread

AXLE, REAR
RA-47 22,000-lb single reduction
RA-57 23,000-lb single reduction
RA-186 18,500-lb two-speed
RA-192 22,000-lb two-speed
RA-197 23,000-lb two-speed
RA-292 22,000-lb double reduction

BRAKES, PARKING
DCM 12 x 5" drum type; lining area: 137.6 sq. in.
Piggy-back mounted spring-actuated, with air brakes

BRAKES, SERVICE (HYDRAULIC)
Vacuum reserve tank with gauge
15 x 7" rear
16 x 6" rear

BRAKES, SERVICE (AIR)
Dual air brake system with 7% cu. ft. compressor and
antilock feature (for straight truck applications)
Dual air brake system with 7% cu. ft. compressor and
antilock feature (for tractor applications)
Includes:
9'2" hose; 10' lighting cable
7-way trailer socket, breakaway valve,
hand control valve
16 x 3/4" frt cam for FA-101
16 x 4" frt cam for FA-309 and FA-329
16½ x 7" cam for RA-44, RA-47, RA-57, RA-186, RA-192, RA-197,
and RA-292
16½ x 6" frt cam for FA-339
12 cu. ft. compressor
Hand control for chassis air brakes
Auxiliary glad hand with conn. at air reservoir
Alcohol evaporator
Semi-trailer hose tender
12'6" semi-trailer hose & lighting cable in lieu of 9'2"
14' semi-trailer hose & lighting cable in lieu of 10'
Air tank sludge remover

CAB
Constructor front end
Consists of:
Vertical grille & fiberglass hood and fenders
Boat on frt. frame extension
Swept back frt. bumper
Heavy duty towing pin
Provides 102.57" B.B.C.
Two tone custom paint schematics
Steel butterfly hood and fenders
Bostrom Viking T-Bar driver's seat
Mclnerney driver's seat
National Cush-N-Aire driver's seat
Full width sponge rubber seat and back
Omit passenger seat
Tinted glass
Sliding rear window
King size rear view mirrors (aluminum or steel)
Inside rear view mirror
Extension type rear view mirror; passenger side
Air conditioner
Custom Interior Trim Package, includes:
Black instrument panel pad
Woodgrain instrument panel trim, headliner and
back panel
Vinyl door trim and upholstery

CLUTCH
13-inch 2-plate
14-inch 15-spring single plate, with HD lining

DRIVELINE
Oversize drive line
ELECTRICAL SYSTEM
65-amp or 80-amp alternator
Trailer light connections 6 or 7-way
Trailer lighting cable; separate switch for trailer lights
Dual electric horns; dual air horns
Back of cab mounted reflectors
Fender mounted parking lights
AM radio and antenna
Heavy-duty centrifugal speedometer
Centrifugal or electrical tachometer
Increased capacity batteries
### GROSS VEHICLE WEIGHT RATINGS: (GVWR)

<table>
<thead>
<tr>
<th></th>
<th>STANDARD GVWR 23,660</th>
<th>GVWR 27,080</th>
<th>GVWR 29,000</th>
<th>MAXIMUM GVWR w/ADVERTISED OPTIONS 34,120</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRONT AXLE</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Spring FA-98</td>
<td>7,500</td>
<td>9,000</td>
<td>12,000</td>
<td>FA-139</td>
</tr>
<tr>
<td>Tire 03499</td>
<td>7,500</td>
<td>9,000</td>
<td>10,500</td>
<td>03506</td>
</tr>
<tr>
<td>FRT-GAWR 9.00 x 20 – 10 PR</td>
<td>9,220</td>
<td>9,520</td>
<td>9,860</td>
<td>10.00 x 20 – 12 PR*</td>
</tr>
<tr>
<td>REAR AXLE</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Spring RA-44</td>
<td>18,500</td>
<td>18,500</td>
<td>18,500</td>
<td>RA-47</td>
</tr>
<tr>
<td>Tire 03600</td>
<td>18,500</td>
<td>18,500</td>
<td>18,500</td>
<td>03602</td>
</tr>
<tr>
<td>RR-GAWR 9.00 x 20 – 10 PR</td>
<td>16,160</td>
<td>18,080</td>
<td>19,040</td>
<td>10.00 x 22 – 14 PR*</td>
</tr>
</tbody>
</table>

* 7.50V 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 of calculating specific GVWR's. Where higher GVWR's are required larger components must be specified.

### STANDARD EQUIPMENT

#### AXLE, FRONT
FA-98 7,500-lb capacity
Heat treated forged steel I-beam

#### AXLE, REAR
RA-44 18,500-lb capacity
Hypoid gear single reduction,
One piece forged steel housing
Full floating, induction hardened shafts
Ratios: 6.14, 6.57 or 7.17

#### BRAKE, PARKING
DCM 12x4" drum type, at rear of transmission
Orscheln hand control lever
Total lining area: 110.3 sq. inches

#### BRAKES, SERVICE
Hydraulic with vacuum power assist
and vacuum reserve tank with gauge
Self energizing; double wheel cylinders
12¾" diameter power cylinder
Lining size: 15x3" front, 15x6" rear
Total lining area: 577.4 sq. inches

#### CAB
All steel cab with forward-tilting one-piece reinforced fiberglass hood and front fenders
Individual driver and passenger seats, fully adjustable;
foam rubber construction
Seat belts
Heavy-duty black rubber floor mat
Dual padded sun visors; dual arm rests
Glove box, right side of dash
Fuse panel in glove box
Magnetic tachometer, speedometer, voltmeter, oil pressure, fuel and water temperature gauges
Locking type hand throttle
Electric two-speed windshield wipers with single motor;
non-glare arms; electric windshield washers
Outside extension type rear view mirror, left side
Safety type door latches and hinges
Door locks, both sides
Cab grab handles; coat hanger
Fresh air heater and defroster

#### CLUTCH
14-inch 15-spring single-plate
Mechanical control; vibration dampener

#### COOLING SYSTEM
57.3 quart capacity
3-piece bolted radiator with de-aeration system, 775 sq. inch frontal area
Permanent anti-freeze: −20° F
Modulated fan
Radiator sightglass

#### DRIVELINE
Mechanics 7C U-Joints

#### ELECTRICAL
12-volt 55-amp alternator
Dual 6-volt 150 amp-hr batteries
Front directional signals; with side reflectors and lamps
Two front clearance and three identification lamps
Dual stop and tail lamps
Rear directional signals
Dome light, cigar lighter
Back-up lights, traffic hazard switch
Push button starting switch

#### ENGINE
International DV-550B Diesel V-8
Gross BHP 180 @ 3,000 RPM
Gross torque: 372 lb-ft. @ 1,600 RPM
550 cu. in. displ.: 17 to 1 compr. ratio
Oil bath and dry type air cleaner: full flow oil filter
Horizontal muffler and vertical tail pipe with aluminized exhaust pipe

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

#### FRAME
Heat treated straight steel channel
136, 148 inch WB:
9x3⅜x⅜; section modulus: 10.29
Resisting bending moment:
1,131,900 in-lbs
STANDARD EQUIPMENT (Continued)

FRAME (Continued)
166 inch WB:
9%3/8x3/8x3/4”; section modulus: 11.63
Resisting bending moment: 1,279,300 in-lbs

184, 202 inch WB:
9%3/8x3/8x3/4” full length
inverted L-type heat treated frame
reinforcement
Combined section modulus: 19.41
Combined resisting bending moment: 2,135,100

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

STEERING
S-31 steering gear with jointed column
21” diameter steering wheel

SUSPENSION, FRONT
4x48” semi-elliptic steel leaf springs
Spring capacities tailored to axle load

SUSPENSION, REAR
3x46” semi-elliptic steel leaf springs
Spring capacities tailored to axle load

TRANSMISSION
T-54 5-speed, constant-mesh, direct
Ratios: 8.03, 4.61, 2.46, 1.41, 1.00; 8.00 rev.

WHEELS AND TIRES
Single front and dual rear
9.00x20 10-PR tires and tubes
Cast spoke wheels with 7.00T rims

OPTIONAL EQUIPMENT

AXLE, FRONT
FA-109 9,000-lb capacity center-tread with S-44
steering gear, 15x3” hydraulic or 15x3” wedge air
brakes
FA-139 12,000-lb with S-44 steering gear 15x3½”
hydraulic or 15x3½” wedge air brakes

AXLE, REAR
RA-47 22,000-lb. single reduction with 16x6” hydraulic,
15x7” wedge or 16½x7” S-cam air brakes
Ratios: 6.14, 6.57, 7.17, 8.17
RA-57 23,000-lb, single reduction with 15x7” wedge or
16½x7” S-cam air brakes
Ratios: 6.14, 6.57, or 7.17
RA-172 23,000-lb, two-speed with 15x7” wedge or
16½x7” S-cam air brakes
Ratios: 6.18/8.28 or 6.79/9.18
RA-186 18,500-lb two speed with 15x6” or 15x7”
hydraulic; 15x6”, 15x7” wedge; 16½x6” or 16½x7”
S-cam air brakes
RA-192 22,000-lb two-speed with 16x6” hydraulic,
15x7” wedge or 16½7” S-cam air brakes
RA-197 23,000-lb, two-speed with 15x7” wedge or
16½x7” S-cam air brakes
RA-272 23,000-lb double reduction, with 15x7” wedge or
16½x7” S-cam air brakes,
Ratios: 6.10, 7.21, 7.69, 8.17 or 8.52
RA-292 22,000-lb double reduction with 16x6”
hydraulic, 15x7” wedge or 16½x7” S-cam air brakes
Ratios: 5.89, 6.10, 7.21, 7.69, 8.17, 8.52

BRAKE, PARKING
DCM 12x5” drum type: lining area 137.6 sq. in.
Piggy-back mounted spring-actuated, with air brakes
Extra 462 cu. in. air tank to release spring-loaded
brakes

BRAKES, SERVICE (HYDRAULIC)
15x3½” for FA-119
15x7” for RA-44 or RA-186
16x6” for RA-47, RA-192 and RA-292

BRAKES, SERVICE (AIR)
Air brakes with 7½ cu. ft. compressor
Dual reservoirs 2,400 cu. in. total capacity, pressure
gauge, low pressure warning buzzer and air operated
windshield wipers (single motor)
15x3” wedge for FA-98 or FA-109
15x3½” wedge for FA-119
16x2½” S-cam for FA-98
16½x6” S-cam for RA-44, RA-186
16½x7” S-cam for RA-44, RA-47, RA-57, RA-172,
RA-186, RA-192, RA-197, RA-272, RA-292
15x6” wedge for RA-44, RA-186
15x7” wedge for RA-44, RA-47, RA-57, RA-172,
RA-186, RA-192, RA-197, RA-272, RA-292
12 cu. ft. compressor
**DIMENSIONS and WEIGHTS**

*Reduce by 2" when flat face front bumper is used.*

**DIMENSIONS COMMON TO ALL WHEELBASES, WITH 9.00x20 TIRES**
- Overall Width: 95.5" at Front Fenders
- Overall Height: 95.9" at Top of Cab
- Ground Clearance: 10.4" at Front Axle, 9.2" at Rear Axle
- Frame Height at Rear Axle: 40.8" Empty, 36.2" 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>OAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>136&quot;</td>
<td>4,940</td>
<td>3,135</td>
<td>8,075</td>
<td>72&quot;</td>
<td>104&quot;</td>
<td>194&quot;</td>
</tr>
<tr>
<td>148&quot;</td>
<td>4,975</td>
<td>3,225</td>
<td>8,200</td>
<td>84&quot;</td>
<td>138&quot;</td>
<td>228&quot;</td>
</tr>
<tr>
<td>166&quot;</td>
<td>5,085</td>
<td>3,310</td>
<td>8,395</td>
<td>102&quot;</td>
<td>169&quot;</td>
<td>259&quot;</td>
</tr>
<tr>
<td>184&quot;</td>
<td>5,150</td>
<td>3,475</td>
<td>8,625</td>
<td>120&quot;</td>
<td>216&quot;</td>
<td>306&quot;</td>
</tr>
<tr>
<td>202&quot;</td>
<td>5,210</td>
<td>3,510</td>
<td>8,720</td>
<td>138&quot;</td>
<td>234&quot;</td>
<td>324&quot;</td>
</tr>
</tbody>
</table>

**TURNING RADIUS**
- To Centerline of Tire: 22 ft. 6 in., 24 ft. 3 in., 26 ft. 10 in., 29 ft. 5 in., 32 ft. 1 in.
- With Bumper Clearance: 23 ft. 10 in., 25 ft. 7 in., 28 ft. 2 in., 30 ft. 9 in., 33 ft. 5 in.

**TIRE DIMENSIONS**

<table>
<thead>
<tr>
<th>Tire Size</th>
<th>CAST WHEELS</th>
<th>DISC WHEELS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>9.00x20</td>
<td>10.00x20</td>
</tr>
<tr>
<td></td>
<td>20</td>
<td>20</td>
</tr>
<tr>
<td>Rim Size</td>
<td>7.00T</td>
<td>7.00T</td>
</tr>
<tr>
<td>Outside Width OW</td>
<td>94.4&quot;</td>
<td>95.0&quot;</td>
</tr>
<tr>
<td>Tread Width</td>
<td>72.0&quot;</td>
<td>72.0&quot;</td>
</tr>
<tr>
<td>Inside Width IW</td>
<td>49.6&quot;</td>
<td>49.0&quot;</td>
</tr>
<tr>
<td>Chain Clearance</td>
<td>3.2&quot;</td>
<td>2.9&quot;</td>
</tr>
<tr>
<td>Front Tread</td>
<td>78.0&quot;</td>
<td>78.0&quot;</td>
</tr>
</tbody>
</table>

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

Reduce by 2" when flat face front bumper is used.

**DIMENSIONS COMMON TO ALL WHEELBASES, WITH 9.00x20 TIRES**

- Overall Width: 95.5" at Front Fenders
- Overall Height: 96.3" at Top of Cab
- Ground Clearance: 11.6" at Front Axle
- Frame Height at Rear Axle: 39.2" Empty
- Frame Height at Rear Axle: 38.0" Loaded

<table>
<thead>
<tr>
<th>CHASSIS WEIGHT LBS.*</th>
<th>DIMENSIONS</th>
<th>TURNING RADIUS</th>
</tr>
</thead>
<tbody>
<tr>
<td>WB</td>
<td>Front</td>
<td>Rear</td>
</tr>
<tr>
<td>136&quot;</td>
<td>5,245</td>
<td>5,955</td>
</tr>
<tr>
<td>148&quot;</td>
<td>5,295</td>
<td>6,040</td>
</tr>
<tr>
<td>166&quot;</td>
<td>5,430</td>
<td>6,340</td>
</tr>
<tr>
<td>184&quot;</td>
<td>5,480</td>
<td>6,530</td>
</tr>
<tr>
<td>202&quot;</td>
<td>5,745</td>
<td>6,810</td>
</tr>
</tbody>
</table>

*With cab, standard equipment, fuel, oil and water. Estimated pre-production weights

**TIRE DIMENSIONS**

<table>
<thead>
<tr>
<th>Cast Wheels</th>
<th>Disc Wheels</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tire Size</td>
<td>Tire and Tube</td>
</tr>
<tr>
<td>9.00x20</td>
<td>10.00x20</td>
</tr>
<tr>
<td>Tubeless</td>
<td>20</td>
</tr>
<tr>
<td>10.00x20</td>
<td>7.50V</td>
</tr>
<tr>
<td>Rim Size</td>
<td>7.00T</td>
</tr>
<tr>
<td>Outside Width OW</td>
<td>93.1&quot;</td>
</tr>
<tr>
<td>Tread Width TW</td>
<td>71.0&quot;</td>
</tr>
<tr>
<td>Inside Width IW</td>
<td>48.9&quot;</td>
</tr>
<tr>
<td>Chain Clearance</td>
<td>2.8&quot;</td>
</tr>
<tr>
<td>Front Treads</td>
<td>80.1&quot;</td>
</tr>
</tbody>
</table>

In order that product improvements may be introduced at any time, specifications are subject to change without notice.
## GROSS VEHICLE WEIGHT RATINGS: (GVWR)

<table>
<thead>
<tr>
<th></th>
<th>Standard GVWR 23,660</th>
<th>GVWR 27,080</th>
<th>GVWR 29,000</th>
<th>Maximum GVWR w/advertised options 33,560</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Front Axle</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Spring</td>
<td>FA-101 7,500</td>
<td>FA-109 9,000</td>
<td>FA-329 12,000</td>
<td>FA-339 12,000</td>
</tr>
<tr>
<td>Tire</td>
<td>w/Axle 7,500</td>
<td>w/Axle 9,000</td>
<td>w/Axle 10,500</td>
<td>w/Axle 10,500</td>
</tr>
<tr>
<td>FRT-GAWR</td>
<td>9.00 x 20-10 PR 9,220</td>
<td>9.00 x 20-12 PR 9,520</td>
<td>10.00 x 20-12 PR* 10,860</td>
<td>10.00 x 22-14 PR* 11,560</td>
</tr>
<tr>
<td><strong>Rear Axle</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Spring</td>
<td>RA-44 18,500</td>
<td>RA-44 18,500</td>
<td>RA-44 18,500</td>
<td>RA-47 22,000</td>
</tr>
<tr>
<td>Tire</td>
<td>w/Axle 18,500</td>
<td>w/Axle 18,500</td>
<td>w/Axle 18,500</td>
<td>w/Axle 23,000</td>
</tr>
<tr>
<td>RR-GAWR</td>
<td>9.00 x 20-10 PR 16,160</td>
<td>9.00 x 20-12 PR 16,080</td>
<td>10.00 x 20-12 PR* 16,040</td>
<td>10.00 x 22-14 PR* 22,560</td>
</tr>
</tbody>
</table>

*7.50V 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 26, 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-101 7,500-lb capacity
- Heat treated forged steel I-beam

### Axle, Rear
- RA-44, 18,500-lb capacity
- Hypoid gear single reduction
- One piece forged steel housing
- Full floating, induction hardened shafts

### Brakes, Parking
- DCM 12 x 4" drum type, at rear of transmission
- Orscheln hand control lever
- Total lining area: 110.3 sq. inches

### Brakes, Service
- Hydraulic with vacuum power assist
- and vacuum reserve tank with gauge
- Self energizing; double wheel cylinders
- 12 3/4" diameter power cylinder
- Front: 15 x 3"
- Rear: 15 x 6"
- Total lining area: 577.4 sq. inches

### Cab
- All steel cab with forward tilting one-piece reinforced fiberglass hood and front fenders
- Individual driver and passenger seats, fully adjustable; foam rubber construction
- Seat belts
- Heavy-duty black rubber floor mat
- Dual padded sun visors; dual arm rests
- Glove box, right side of dash
- Fuse panel in glove box
- Magnetic tachometer, speedometer, voltmeter, oil pressure, fuel and water temperature gauges
- Electric two-speed windshield wipers with single motor, non-glare arms; electric windshield washers

### Cab (Cont'd.)
- Outside extension type rear view mirror, left side
- Safety type door latches and hinges
- Door locks, both sides
- Cab grab handles; coat hanger
- Fresh air heater and defroster
- Illuminated identification of controls
- Hardboard headliner

### Clutch
- 14-inch 15-spring single-plate
- Mechanical control; vibration damper

### Cooling System
- 57.3 quart capacity
- Bolted radiator with de-aeration system, 775 sq. inch
- Permanent anti-freeze: -20° F

### Driveline
- Mechanics 7C U-Joints

### Electrical
- 12-volt 65-amp alternator (27-S1)
- Dual 6-volt 150 amp-hr batteries
- Front directional signals; with side reflectors and lamps
- Two front clearance and three identification lamps
- Dual stop, tail, turn and backup lamps w/integral junction box (Lexan)
- Dome light; cigar lighter
- Back-up lights, traffic hazard switch
- Push button starting switch
STANDARD EQUIPMENT (Continued)

ENGINE
International D-170 Diesel V-8
Gross BHP 170 @ 3,000 RPM
Gross torque: 340 lb-ft @ 2,000 RPM
549 cu. in. displ.: 17 to 1 compr. ratio
Dry type air cleaner: full flow oil filter
Horizontal muffler and vertical tail pipe

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

FRAME
Heat treated straight alloy steel channel, 110,000 PSI
136, 148 inch WB:
9 x 3\% x 1/8": section modulus: 10.29
Resisting bending moment:
1,131,600 in-lbs
166 inch WB:
9-1/16 x 3-17/32 x 9/32": section modulus: 11.63
Resisting bending moment:
1,279,300 in-lbs

OPTIONAL EQUIPMENT

AXLE, FRONT
FA-109 9,000-lb capacity center-tread w/hyd brakes
FA-309 9,000-lb capacity center-tread w/air brakes
FA-329 10,500-lb capacity center-tread
FA-339 12,000-lb capacity center tread

AXLE, REAR
RA-47 22,000-lb, single reduction
RA-57 23,000-lb, single reduction
RA-186 18,500-lb, two-speed
RA-192 22,000-lb, two-speed
RA-197 23,000-lb, two-speed
RA-292 22,000-lb, double reduction

BRAKES, PARKING
OCM 12 x 5" drum type: lining area 137.6 sq. in.
Piggy-back mounted spring-actuated, with air brakes

BRAKES, SERVICE (AIR)
Dual air brake system with 7\% cu. ft. compressor and antilock feature (for straight truck applications)
Dual air brake system with 7\% cu. ft. compressor and antilock feature (for tractor applications)
Includes:
9\%2" hoses, 10" lighting cable,
7-way trailer socket, breakaway valve,
hand control valve
15 x 3\% ft cam type for FA-101
15 x 4" ft cam type for FA-309 and FA-329
16\% x 5" ft cam for FA-339
16\% x 7" rear cam brakes for RA-44, RA-47, RA-57, RA-186, RA-192, RA-197 and RA-292
12 cu. ft. compressor
Hand control for chassis air brakes
Auxiliary glad hand with conn. on air reservoir
Alcohol evaporator

BRAKES, SERVICE (AIR) (Cont'd)
Semi-trailer hose tender
12\%6" semi-trailer hose & lighting cable in lieu of 9\%2"
14" semi-trailer hose & lighting cable in lieu of 10"
Air tank sludge remover

BRAKES SERVICE (HYDRAULIC)
15 x 3" front for FA-101 and FA-109
15 x 6" rear for RA-44 and RA-186
15 x 7" rear for RA-44 and RA-186
16 x 8" rear for RA-47, RA-192 and RA-292

CAB
Constructor front end
Consists of:
Vertical grille & fiberglass hood and fenders
Bolt on frt frame extension
Swept back frt bumper
Heavy duty towing pin
Provides 102.6" B.B.C.
Two tone custom paint schematics
Steel butterfly hood and fenders
Bostram Viking T-Bar driver's seat
McInerney driver's seat
National Cush-N-Aire driver's seat
Full width sponge rubber seat and back
Omit passenger seat
Tinted glass
Sliding rear window
King size rear view mirrors (aluminum or steel)
Inside rear view mirror
Extension type rear view mirror; passenger side
Solid cab rear mount
Air conditioner
Steelhaulers cab
GROSS VEHICLE WEIGHT RATINGS: (GVWR)

<table>
<thead>
<tr>
<th></th>
<th>STANDARD GVWR</th>
<th>GVWR 29,840</th>
<th>GVWR 32,060</th>
<th>MAXIMUM GVWR w/ADVERTISED OPTIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRONT AXLE</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Spring</td>
<td>FA-309 9,000</td>
<td>FA-329 10,800</td>
<td>FA-339 12,000</td>
<td>FA-339 12,000 w/Axle 11.00 x 22-14 PR 11,560</td>
</tr>
<tr>
<td>Tire</td>
<td>w/Axle 9,000</td>
<td>10.00 x 20-12 PR 10,860</td>
<td>10.00 x 20-14 PR 10,860</td>
<td>11.00 x 22-14 PR 11,560</td>
</tr>
<tr>
<td>FRT-GAWR</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>REAR AXLE</td>
<td>RA-57 23,000</td>
<td>RA-57 23,000</td>
<td>RA-57 23,000</td>
<td>RA-57 23,000 w/Axle 11.00 x 22-14 PR 23,120</td>
</tr>
<tr>
<td>Spring</td>
<td>w/Axle 23,000</td>
<td>10.00 x 20-12 PR 19,040</td>
<td>10.00 x 20-14 PR 21,200</td>
<td>11.00 x 22-14 PR 23,120</td>
</tr>
<tr>
<td>Tire</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>RR-GAWR</td>
<td>19,040</td>
<td>19,040</td>
<td>21,200</td>
<td>23,000</td>
</tr>
</tbody>
</table>

MAXIMUM GROSS COMBINATION WEIGHTS

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.

STANDARD EQUIPMENT

AXLE, FRONT
FA-309 9,000-lb capacity—wide tread
Heat-treated forged-steel I-beam
AXLE, REAR
RA-57 23,000-lb capacity
Hypoid-gear, single reduction
One piece forged steel housing
Full floating, induction-hardened shafts
BRAKES
Piggy-back parking brake
Total lining area: sq. inches
Dual air brake system with antilock feature and 12 cu. ft. BW gear driven compressor.
Front brake 15x4 cam type w/20" chambers
Rear brake 16x4 x 7 5-cam type
Total lining area: 674 sq. in.
Trailer connections:
Includes:
9"2" hose
10" lighting cable
7-way trailer socket
Breakaway valve
Hand control valve
CAB (Cont’d.)
Dispatch tray in dog house
Tachometer, voltmeter, oil, air pressure, fuel and temperature gauges
Hand throttle
Illuminated identification of controls
Air-operated windshield wipers
Electrical windshield washers
Dual king-size rear view mirrors
Door locks, both doors; Cab grab handles
Fresh air heater and defroster
Coat hook
CLUTCH
14-inch 2-plate, Spicer angle spring
COOLING SYSTEM
48-gal capacity
Bolted radiator with de-aeration system
Radiator frontal area: 873 sq. inches
Mechanical radiator shutters
Permanent type anti-freeze -20° F
Radiator sight glass
ELECTRICAL SYSTEM
12-volt, 65-amp 27-SI type alternator
Two 6-volt, 99-plate, 208 amp-hr batteries
Front directional signals with side reflectors and lamps
Dome light; cigar lighter
Push button starting switch
Two front clearance and three identification lamps
Combination dual stop and tail lamps, back-up light and directional signals (Lexan)
Traffic hazard switch
ENGINE (Cont’d.)
18" Canadian dry-type air cleaner;
full-flow oil filter
Horizontal muffler with vertical stack
FINISH
Frame, bumper, wheels, fuel tank: black
Cab and fenders: choice of any standard IH color
FRAME
Heat treated straight alloy steel channel (110,000 PSI) with heavy duty steel channel front bumper
136", 142", 148" WB
9 x 3 1/2 x 5 1/2", sect. mod. 10.29
RBM 1,131,900 in. lbs.
166" WB
9-1/16x3-17/32x9/32", sect. mod. 11.63
RBM 1,279,300 in. lbs.
FUEL TANK (Nominal Capacity)
50-gallon steel center-step safety, right side
STEERING
S-44 steering gear
21-inch steering wheel
SUSPENSION, FRONT
4 x 48" 9,000-lb capacity semi-elliptic steel leaf springs
SUSPENSION, REAR
3 x 46" 23,000-lb capacity vari-rate steel leaf springs
TRANSMISSION
T-129 (5-RT-910) 10-speed twin countershaft Roadranger
WHEELS AND TIRES
Single front and dual rear
10.00 x 20 12-PR tires and tubes
Cast spoke wheels with 7.50V rims
We offer a wide range of diesel power to meet your needs. Just determine your job requirements and we can offer the ideal combination of diesel power, transmission and other components.

### FLEETSTAR 2070A ENGINE AVAILABILITY

<table>
<thead>
<tr>
<th>Engine</th>
<th>2070A</th>
<th>F-2070A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Detroit Diesel</td>
<td>6-71N (N-65)</td>
<td>Std.</td>
</tr>
<tr>
<td>Detroit Diesel</td>
<td>6-71N (N-60)</td>
<td>Opt.</td>
</tr>
<tr>
<td>Cummins</td>
<td>NH-230</td>
<td>Opt.</td>
</tr>
<tr>
<td>Cummins</td>
<td>NTC-290</td>
<td>Opt.</td>
</tr>
<tr>
<td>Cummins</td>
<td>NTC-335</td>
<td>Opt.</td>
</tr>
</tbody>
</table>

### BRIEF SPECIFICATIONS

<table>
<thead>
<tr>
<th></th>
<th>2070A</th>
<th>F-2070A</th>
</tr>
</thead>
<tbody>
<tr>
<td>GVWR Lbs.</td>
<td>30,720</td>
<td>43,000</td>
</tr>
<tr>
<td>Max. GVWR Lbs.</td>
<td>34,560</td>
<td>60,920</td>
</tr>
<tr>
<td>GCW Lbs.</td>
<td>79,000</td>
<td>79,000</td>
</tr>
<tr>
<td>BBC</td>
<td>92”</td>
<td>92”</td>
</tr>
<tr>
<td>Wheelbase</td>
<td>136” to 166”</td>
<td>142” to 220”</td>
</tr>
<tr>
<td>Front Axle, Standard</td>
<td>9,000 lb.</td>
<td>9,000 lb.</td>
</tr>
<tr>
<td>Opt.</td>
<td>12,000 lb.</td>
<td>12,000, 16,000, 18,000</td>
</tr>
<tr>
<td>Rear Axle, Standard</td>
<td>RA-57, 23,000 lb.</td>
<td>RA-351, 34,000 lb. tandem</td>
</tr>
<tr>
<td>Opt.</td>
<td>RA-197, 23,000 lb.</td>
<td>34,000 to 44,000 lb. tandem</td>
</tr>
<tr>
<td>Transmission, Standard</td>
<td>T-135 5-speed</td>
<td>T-135 5-speed</td>
</tr>
<tr>
<td>Opt.</td>
<td>Choice of 5, 6, 7, 10 and 13-speed transmissions</td>
<td>Choice of 5, 6, 7, 10 and 13-speed transmissions</td>
</tr>
<tr>
<td>Aux. Transmission Opt.</td>
<td>—</td>
<td>Choice of 3 or 4 speed</td>
</tr>
</tbody>
</table>

Specifications, descriptions and illustrative material in this literature are as accurate as known at time of publication, but are subject to change without notice. Illustrations may include optional equipment and accessories, and may not include all standard equipment.

International Harvester Company, Chicago, Illinois 60611

INTERNATIONAL TRUCKS
### GROSS VEHICLE WEIGHT RATINGS: (GVWR)

<table>
<thead>
<tr>
<th></th>
<th>STANDARD GWWR 26,000</th>
<th>GVWR 28,040</th>
<th>GVWR 32,060</th>
<th>MAXIMUM GVWR w/ADVERTISED OPTIONS 34,120</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRONT AXLE</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Spring</td>
<td>03509</td>
<td>03506</td>
<td>03506</td>
<td></td>
</tr>
<tr>
<td>Tire</td>
<td>10.00 x 20 - 12 PR 9.520</td>
<td>10.00 x 20 - 12 PR 9.520</td>
<td>10.00 x 20 - 14 PR 9.520</td>
<td>10.00 x 22 - 14 PR 9.520</td>
</tr>
<tr>
<td>FRT-GAWR</td>
<td>7,500</td>
<td>9,000</td>
<td>10,680</td>
<td>11,560</td>
</tr>
<tr>
<td>REAR AXLE</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Spring</td>
<td>03600</td>
<td>03602</td>
<td>03602</td>
<td></td>
</tr>
<tr>
<td>Tire</td>
<td>10.00 x 20 - 12 PR 19,040</td>
<td>10.00 x 20 - 12 PR 19,040</td>
<td>10.00 x 20 - 14 PR 21,200</td>
<td>10.00 x 22 - 14 PR 22,560</td>
</tr>
<tr>
<td>RR-GAWR</td>
<td>18,500</td>
<td>19,040</td>
<td>21,200</td>
<td>22,560</td>
</tr>
</tbody>
</table>

**MAXIMUM GROSS COMBINATION WEIGHTS:**

- With RA-47 or RA-192 ........................................55,000 lbs.
- With RA-57, 172, 197, 272 ..................................65,000 lbs.

* 7.50V 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 of calculating specific GVWR's. Where higher GVWR's are required larger components must be specified.

### STANDARD EQUIPMENT

**AXLE, FRONT**
- FA-109 9,000-lb capacity
- Heat-treated forged steel I-beam

**AXLE, REAR**
- RA-47 22,000-lb capacity
- Hypoid-gear single-reduction
- One-piece forged steel housing
- Full floating, induction hardened shafts
- Ratios: 4.10, 4.44, 4.78, 5.37, 6.14, 6.57, 7.17, 8.17

**BRAKE, PARKING**
- Piggy-back parking brake
- Total lining area: 460.0 sq. inches

**BRAKES, SERVICE**
- Air operated with 7¼ cu. ft. compressor
- Size: 15x3” front, 15x7” rear
- Total lining area: 657.0 sq. inches
- Dual air reservoirs, 2,400 cu. in. total capacity
- Low pressure warning buzzer

**CAB**
- All steel cab with forward-tilting one-piece reinforced fiberglass hood and front fenders
- Individual driver and passenger seats, fully adjustable foam rubber construction
- Seat belts
- Heavy-duty black rubber floor mat
- Dual padded sun visors, dual arm rests
- Glove box, right side of dash
- Fuse panel in glove box
- Magnetic tachometer, speedometer, voltmeter, air and oil pressure, fuel and water temperature gauges
- Hand choke and locking type hand throttle
- Air windshield wipers with single motor, non-glare arms, electric windshield washer
- Outside extension type rear view mirror, left side

**CAB (Continued)**
- Safety type door latches and hinges
- Door locks, both doors
- Cab grab-handles
- Coat hanger
- Fresh air heater and defroster

**CLUTCH**
- 14-inch 15-spring single-plate mechanical control; vibration damper

**COOLING SYSTEM**
- 47.7 quart capacity
- 3-piece bolted radiator with de-aeration system, 775 square inch frontal area
- Permanent anti-freeze: −20°F
- Radiator sightglass

**DRIVELINE**
- Mechanics 7-C U-joints

**ELECTRICAL**
- 12-volt 37-amp alternator
- 78-plate, 70-amp-hr battery, cowl-mounted
- Front directional signals with side reflectors and lamps
- Two front clearance and three identification lamps
- Dual stop and tail lamps
- Rear directional signals
- Dome light, cigar lighter
- Back-up light, traffic hazard switch
- Push button starting switch

**ENGINE**
- International RD-450 gasoline six
- Gross BHP: 202.0 @ 3,000 RPM
- Gross Torque: 418 lb-ft @ 1,600 RPM
- 450 cu. in. displ.; 7.06 to 1 comp. ratio
- Oil bath air cleaner; full-flow oil filter
- Horizontal muffler and tail pipe with aluminized exhaust pipe
- Exhaust emission control
STANDARD EQUIPMENT  (Continued)

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

FRAME
Heat-treated straight steel channel
136, 148 inch WB:
9x3\(\frac{1}{2}\)" section modulus: 10.29
Resisting bending moment: 1,131,900 in-lbs.
166 inch WB:
9x3\(\frac{3}{4}\)" section modulus: 11.63
Resisting bending moment: 1,279,300 in-lbs.
184, 202 inch WB:
9x3\(\frac{3}{4}\)" with 8x3\(\frac{3}{4}\) x\(\frac{1}{4}\)" full length inverted L-type heat-treated frame reinforcement
Combined section modulus: 19.41
Combined resisting bending moment: 2,135,100 in-lbs
Heavy-duty formed steel channel front bumper
Six, seven or eight crossmembers

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

STEERING
S-44 steering gear with jointed column, 21" diameter steering wheel

SUSPENSION, FRONT
4x48" semi-elliptic steel leaf springs
Spring capacities tailored to axle load

SUSPENSION, REAR
3x46" semi-elliptic steel leaf springs
Spring capacities tailored to axle load

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
10.00x20 12-PR tires and tubes
Cast spoke wheels with 7.50V rims

OPTIONAL EQUIPMENT

AXLE, FRONT
FA-139 12,000-lb with 15x3\(\frac{1}{2}\)" wedge air brakes

AXLE, REAR
RA-57 single-reduction with 15x7" wedge or 16\(\frac{1}{2}\)x7" S-cam air brakes
Ratios: 4.10, 4.44, 4.78, 5.37, 6.14, 6.57 or 7.17
RA-172 23,000-lb, 2-speed with 15x7" wedge or 16\(\frac{1}{2}\)x7" S-cam air brakes
Ratios: 4.39/5.88, 4.90/6.57, 5.50/7.46, 6.18/8.28 or 6.79/9.18
RA-192 22,000-lb, 2-speed with 15x7" wedge or 16\(\frac{1}{2}\)x7" S-cam air brakes
Ratios: 4.33/5.89, 4.56/6.20, 4.87/6.65, 5.57/7.60, 6.14/8.36, 6.50/8.87 or 7.17/9.77
RA-197 23,000-lb, 2-speed with 15x7" wedge or 16\(\frac{1}{2}\)x7" S-cam air brakes
Ratios: 4.33/5.89, 4.87/6.63, 5.43/7.39, 6.14/8.36, or 6.71/9.14
RA-272 23,000-lb, double-reduction with 15x7" wedge or 16\(\frac{1}{2}\)x7" S-cam air brakes
Ratios: 5.90, 6.10, 7.21, 7.69, 8.17, or 8.52
RA-292 22,000-lb, double-reduction with 15x7" wedge or 16\(\frac{1}{2}\)x7" S-cam air brakes
Ratios: 5.89, 6.65, 7.60, 8.38, or 8.86

BRAKES, PARKING
Extra 462 cu. in. air tank, to release piggy-back brake

BRAKES, SERVICE
12 cu. ft. compressor
Front wheel limiting valve
Semi-trailer connections with hand control and breakaway valves
BW air brakes in lieu of standard IH
Air supply valve with 25 ft. hose
Hand control valve for chassis brakes
Low air pressure indicator, wig-wag
ISA x 7" S-cam brakes
Auxiliary Gladhand w/connection at reservoir
DV-2 Drain valve

CAB
Steel butterfly hood and fenders
Bostrom Viking T-bar driver’s seat
Full width sponge rubber seat and back
Omit passenger seat
Tinted glass
Sliding rear window
King-size rear view mirrors
Inside rear view mirror
OPTIONAL EQUIPMENT (Continued)

CAB (Continued)
- Extension type rear view mirror, passenger side
- Omit rear view mirror
- Solid rear cab mount
- Air conditioner
- Padded instrument panel
- National Cush-N-Aire driver's seat
- Steel hauler cab

CLUTCH
- 14-inch 15-spring single plate with HD lining
- 13-inch 2-plate

COOLING SYSTEM
- Increased capacity cooling
- Automatic radiator shutters (std with V-8 engines)

DRIVE LINE
- Mechanics 8-C U-joints

ELECTRICAL SYSTEM
- 55-amp or 62-amp alternator
- Dual 6-volt, 150 amp-hr batteries
- Trailer light connections, 6 or 7 way
- Trailer lighting cable; separate switch for trailer lights
- Dual electric horns; dual air horns
- Back-of-cab mounted reflectors
- Fender mounted parking lights
- Transistorized ignition system
- Radio and antenna
- Heavy-duty centrifugal speedometer
- Recording tachographs; MPH, RPM, 24-hour or multiday
- Centrifugal or electrical tachometer

ENGINE
- RD-501, 214.8-BHP gasoline, six
- VS-478, 234.0-BHP gasoline, V-8*
- VS-549, 256.8-BHP gasoline, V-8*
- High-altitude equipment (5,000 or 10,000 ft.)
- Luberfiner (14 quart capacity)
- Farr dry-type cleaner with thermostatically controlled air intake system and air flow restriction indicator
- Front mounted PTO adapter
- Environmental package:
  - Transistorized ignition system
  - Luberfiner oil filter
  - Farr dry-type air cleaner
- *Includes dual mufflers and tail pipes, in-tank fuel pump and radiator shutters
- Engine oil cooler

FRAME (Continued)
- Two front tow loops
- Flat-face bumper (for 90" BBC)
- Tapered rear frame
- Frame with integral 18" front extension and front U-channel reinforcement with sweptback front bumper
- 5th wheel mounting angle iron

FUEL TANKS
- 31-gallon left, right or dual side mounted
- 50-gallon aluminum or 63-gallon steel left, right or dual center step safety
- Omit tank
- In tank electric fuel pump (standard with V-8 engines)

STEERING
- Power steering

SUSPENSION
- 4,000-lb auxiliary rear springs
- Front shock absorbers
- Air Bag

TRANSMISSION
- T-57 (SW43D) 5-speed direct; 1.17 fourth gear
- T-68 (5652) 5-speed direct; 1.45 fourth gear
- T-88 (5752-C) 5-speed direct; 1.18 fourth gear
- T-204 (6352-B) 5-speed direct; 1.61 fourth gear
- T-223 (6352) 5-speed direct; 1.44 fourth gear
- T-298 (6852-G) 5-speed direct
- T-401 (5CW-62) 5-speed direct; 1.16 fourth gear
- T-403 (5CW-62) 5-speed direct; 1.57 fourth gear
- T-404 (5CW-620) 5-speed, 0.865 Overdrive
- T-411 (5GW-65) 5-speed, 1.16 fourth gear
- T-412 (5GW-65) 5-speed, 1.37 fourth gear
- T-413 (5GW-65) 5-speed, 1.57 fourth gear
- T-414 (5GW-650) 5-speed, 0.865 Overdrive
- T-415 (5GW-65) 5-speed, 1.69 fourth gear
- T-448 10-speed RT-610 Roadranger
- MT Series 6-speed automatic
- AT-522 (7231-A or B) 3-speed auxiliary
- AT-523 (7231-A, B or D) 3-speed auxiliary
- AT-540 (8031-C or P) 3-speed auxiliary

WHEELS AND TIRES
- Optional tire sizes as shown on next page
- 10-stud steel disc wheels
- IH front and/or rear wheel seals
### 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>OAL</th>
<th>To Centerline of Tire</th>
<th>With Bumper Clearance</th>
</tr>
</thead>
<tbody>
<tr>
<td>136&quot;</td>
<td>4,970</td>
<td>3,170</td>
<td>8,140</td>
<td>72&quot;</td>
<td>104&quot;</td>
<td>194&quot;</td>
<td>22 ft. 6 in.</td>
<td>23 ft. 10 in.</td>
</tr>
<tr>
<td>148&quot;</td>
<td>4,995</td>
<td>3,265</td>
<td>8,260</td>
<td>84&quot;</td>
<td>138&quot;</td>
<td>228&quot;</td>
<td>24 ft. 3 in.</td>
<td>25 ft. 7 in.</td>
</tr>
<tr>
<td>166&quot;</td>
<td>5,085</td>
<td>3,390</td>
<td>8,475</td>
<td>102&quot;</td>
<td>169&quot;</td>
<td>259&quot;</td>
<td>26 ft. 10 in.</td>
<td>28 ft. 2 in.</td>
</tr>
<tr>
<td>184&quot;</td>
<td>5,335</td>
<td>3,750</td>
<td>9,085</td>
<td>120&quot;</td>
<td>216&quot;</td>
<td>306&quot;</td>
<td>29 ft. 6 in.</td>
<td>30 ft. 10 in.</td>
</tr>
<tr>
<td>202&quot;</td>
<td>5,420</td>
<td>3,790</td>
<td>9,210</td>
<td>138&quot;</td>
<td>234&quot;</td>
<td>324&quot;</td>
<td>32 ft. 1 in.</td>
<td>33 ft. 5 in.</td>
</tr>
</tbody>
</table>

*With cab, standard equipment, fuel, oil and water. Estimated pre-production weights*

### TIRE DIMENSIONS

<table>
<thead>
<tr>
<th>Tire Size</th>
<th>OW</th>
<th>TW</th>
<th>IW</th>
<th>Chain Clearance</th>
<th>Front Tread</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAST WHEELS</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10.00x20</td>
<td>95.0&quot;</td>
<td>72.0&quot;</td>
<td>49.0&quot;</td>
<td>2.9&quot;</td>
<td>80.1&quot;</td>
</tr>
<tr>
<td>10.00x20</td>
<td>95.8&quot;</td>
<td>72.0&quot;</td>
<td>49.0&quot;</td>
<td>2.5&quot;</td>
<td>79.5&quot;</td>
</tr>
<tr>
<td>10.00x22</td>
<td>95.8&quot;</td>
<td>72.0&quot;</td>
<td>49.0&quot;</td>
<td>2.4&quot;</td>
<td>79.4&quot;</td>
</tr>
<tr>
<td>10.00x22</td>
<td>96.1&quot;</td>
<td>72.0&quot;</td>
<td>49.0&quot;</td>
<td>2.4&quot;</td>
<td>79.4&quot;</td>
</tr>
<tr>
<td>10.00x22</td>
<td>96.1&quot;</td>
<td>72.0&quot;</td>
<td>49.0&quot;</td>
<td>2.4&quot;</td>
<td>79.4&quot;</td>
</tr>
<tr>
<td>10.00x22</td>
<td>95.9&quot;</td>
<td>72.0&quot;</td>
<td>49.0&quot;</td>
<td>2.4&quot;</td>
<td>79.4&quot;</td>
</tr>
<tr>
<td>10.00x22</td>
<td>96.0&quot;</td>
<td>72.0&quot;</td>
<td>49.0&quot;</td>
<td>2.4&quot;</td>
<td>79.4&quot;</td>
</tr>
<tr>
<td>10.00x22</td>
<td>96.2&quot;</td>
<td>72.0&quot;</td>
<td>49.0&quot;</td>
<td>2.4&quot;</td>
<td>79.4&quot;</td>
</tr>
<tr>
<td>10.00x22</td>
<td>96.3&quot;</td>
<td>72.0&quot;</td>
<td>49.0&quot;</td>
<td>2.4&quot;</td>
<td>79.4&quot;</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>DISC WHEELS</th>
<th>OW</th>
<th>TW</th>
<th>IW</th>
<th>Chain Clearance</th>
<th>Front Tread</th>
</tr>
</thead>
<tbody>
<tr>
<td>10.00x20</td>
<td>95.1&quot;</td>
<td>72.1&quot;</td>
<td>49.1&quot;</td>
<td>3.0&quot;</td>
<td>80.4&quot;</td>
</tr>
<tr>
<td>10.00x20</td>
<td>95.9&quot;</td>
<td>72.1&quot;</td>
<td>49.1&quot;</td>
<td>2.6&quot;</td>
<td>79.9&quot;</td>
</tr>
<tr>
<td>10.00x22</td>
<td>96.2&quot;</td>
<td>72.2&quot;</td>
<td>49.2&quot;</td>
<td>2.6&quot;</td>
<td>80.0&quot;</td>
</tr>
<tr>
<td>10.00x22</td>
<td>96.3&quot;</td>
<td>72.2&quot;</td>
<td>49.2&quot;</td>
<td>2.6&quot;</td>
<td>80.0&quot;</td>
</tr>
<tr>
<td>10.00x22</td>
<td>96.4&quot;</td>
<td>72.2&quot;</td>
<td>49.2&quot;</td>
<td>2.6&quot;</td>
<td>80.0&quot;</td>
</tr>
<tr>
<td>10.00x22</td>
<td>96.5&quot;</td>
<td>72.2&quot;</td>
<td>49.2&quot;</td>
<td>2.6&quot;</td>
<td>80.0&quot;</td>
</tr>
<tr>
<td>10.00x22</td>
<td>96.6&quot;</td>
<td>72.2&quot;</td>
<td>49.2&quot;</td>
<td>2.6&quot;</td>
<td>80.0&quot;</td>
</tr>
<tr>
<td>10.00x22</td>
<td>96.7&quot;</td>
<td>72.2&quot;</td>
<td>49.2&quot;</td>
<td>2.6&quot;</td>
<td>80.0&quot;</td>
</tr>
</tbody>
</table>

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

†Reduce by 2" when flat face front bumper is used.

---

INTERNATIONAL HARVESTER EXPORT COMPANY
CHICAGO, ILLINOIS, U.S.A.
### GROSS VEHICLE WEIGHT RATINGS: (GVWR)

<table>
<thead>
<tr>
<th></th>
<th>STANDARD GVWR</th>
<th>G.VWR</th>
<th>GVR</th>
<th>MAXIMUM GVWR w/ADVERTISED OPTIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>23,660</td>
<td>28,040</td>
<td>32,060</td>
<td>34,120</td>
</tr>
<tr>
<td><strong>FRONT AXLE</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Spring</td>
<td>094</td>
<td>03500</td>
<td>03506</td>
<td>12,000</td>
</tr>
<tr>
<td>Tire</td>
<td>03499</td>
<td>03600</td>
<td>03606</td>
<td>12,000</td>
</tr>
<tr>
<td>FRT-GAWR</td>
<td>7,500</td>
<td>9,000</td>
<td>10,860</td>
<td>11,560</td>
</tr>
<tr>
<td><strong>REAR AXLE</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Spring</td>
<td>3600</td>
<td>03602</td>
<td>03602</td>
<td>23,000</td>
</tr>
<tr>
<td>Tire</td>
<td>03600</td>
<td>03602</td>
<td>03602</td>
<td>23,000</td>
</tr>
<tr>
<td>RR-GAWR</td>
<td>18,500</td>
<td>19,040</td>
<td>21,200</td>
<td>22,560</td>
</tr>
</tbody>
</table>

### MAXIMUM GROSS COMBINATION WEIGHTS:

- With RA-47 or RA-192: 50,000 lbs.
- With RA-57, 172, 197, 272: 65,000 lbs.

* 7.50V 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 3D, 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-109 9,000-lb capacity
  - Heat-treated forged steel I-beam

- **AXLE, REAR**
  - RA-47 22,000-lb capacity
  - Hypoid-gear single-reduction
  - One-piece forged steel housing
  - Full floating, induction hardened shafts
  - Ratios: 4.10, 4.44, 4.78, 5.37, 6.14, 6.57, 7.17, 8.17

- **BRAKE, PARKING**
  - Piggy-back parking brake
  - Total lining area: 460.0 sq. inches

- **BRAKES, SERVICE**
  - Air operated with 7 ½ cu. ft. compressor
  - Size: 15x3" front, 15x7" rear
  - Total lining area: 657.0 sq. inches
  - Dual air reservoirs, 2,400 cu. in. total capacity
  - Low pressure warning buzzer

- **CAB**
  - All steel cab with forward-tilting one-piece reinforced fiberglass hood and front fenders
  - Individual driver and passenger seats, fully adjustable foam rubber construction
  - Seat belts
  - Heavy-duty black rubber floor mat
  - Dual padded sun visors, dual arm rests
  - Glove box, right side of dash
  - Fuse panel in glove box
  - Magnetic tachometer, speedometer, voltmeter, air and oil pressure, fuel and water temperature gauges
  - Hand choke and locking type hand throttle
  - Air windshield wipers with single motor, non-glare arms, electric windshield washers
  - Outside extension type rear view mirror, left side
  - Safety type door latches and hinges
  - Door locks, both doors

- **CLUTCH**
  - 14-inch 15-spring single-plate mechanical control; vibration dampener

- **COOLING SYSTEM**
  - 47.7 quart capacity
  - 3-piece bolted radiator with de-aeration system, 775 square inch frontal area
  - Permanent anti-freezer: —20°F
  - Radiator sightglass

- **DRIVELINE**
  - Mechanics 7-C U-joints

- **ELECTRICAL**
  - 12-volt 37-amp alternator
  - 78-plate, 70-amp-hr battery, cowl-mounted
  - Front directional signals with side reflectors and lamps
  - Two front clearance and three identification lamps
  - Dual stop, tail, turn and backup lamps with integral junction box (Lexan)
  - Rear directional signals
  - Dome light, cigar lighter
  - Traffic hazard switch
  - Push button starting switch

- **ENGINE**
  - International RD-450 gasoline six
  - Net BHP: 168 @ 2,600 RPM
  - Net Torque: 372 lb-ft @ 1,400 RPM
  - 450 cu. in. displ.: 7.1 to 1 comp. ratio
  - Oil bath cleaner; full-flow oil filter
  - Horizontal muffler and tail pipe with aluminized exhaust pipe
  - Exhaust emission control
FINISH
Frame, bumper, wheels and fuel tank: black
Cab and fenders: choice of any standard IH color

FRAME
Heat-treated straight steel channel
136, 148 inch WB:
9x3 3/ yelled 5/2 x 1/2 section modulus: 10.29
Resisting bending moment: 1,131,900 in-lbs.
166 inch WB:
9x4 3/ yelled 3/2 x 1/2" section modulus: 11.63
Resisting bending moment: 1,279,300 in-lbs.
184, 202 inch WB:
9x4 3/ yelled 3/2 x 1/2" with 8 3/ yelled 3/4 x 1/4" full length inverted
L-type heat-treated frame reinforcement
Combined section modulus: 19.41
Combined resisting bending moment: 2,135,100 in-lbs.
Heavy-duty formed steel channel front bumper
Six, seven or eight crossmembers

FUEL TANK (Nominal Capacity)
50-gallon steel center-step safety, left side

OPTIONAL EQUIPMENT
AXLE, FRONT
FA-139 12,000-lb with 15x3 1/2 wedge air brakes

AXLE, REAR
RA-57 single-reduction with 15x7" wedge or 16 1/2x7"
S-cam air brakes
Ratios: 4.10, 4.44, 4.78, 5.37, 6.14, 6.57 or 7.17
RA-172 23,000-lb, 2-speed with 15x7" wedge or
16 1/2x7" S-cam air brakes
Ratios: 4.39/5.88, 4.90/6.57, 5.50/7.46,
6.18/8.28 or 6.79/9.18
RA-192 22,000-lb, 2-speed with 15x7" wedge or
16 1/2x7" S-cam air brakes
Ratios: 4.33/5.89, 4.56/6.20, 4.87/6.65,
5.57/7.60, 6.14/8.38, 6.50/8.87 or 7.17/9.77
RA-197 23,000-lb, 2-speed with 15x7" wedge or
16 1/2x7" S-cam air brakes
Ratios: 5.90, 6.10, 7.21, 7.69, 8.17, or 8.52
RA-272 23,000-lb, double-reduction with 15x7" wedge or
16 1/2x7" S-cam air brakes
Ratios: 5.90, 6.10, 7.21, 7.69, 8.17, or 8.52
RA-292 22,000-lb, double-reduction with 15x7" wedge or
16 1/2x7" S-cam air brakes
Ratios: 5.89, 6.65, 7.60, 8.38, or 8.86

BRAKES, PARKING
Extra 462 cu. in. air tank, to release piggy-back brake

BRAKES, SERVICE
12 cu. ft. B.W. compressor
Front wheel limiting valve
Semi-trailer connections with hand control and
breakaway valves
BW air brakes in lieu of standard IH
Air supply valve with 25 ft. hose
Hand control valve for chassis brakes
Low air pressure indicator, wig-wag
16 1/2x7" S-cam brakes
Auxiliary Gladhand w/connection at reservoir
B.W. DV-2 Drain valve
Hose tender

CAB
Two tone custom paint
Steel butterfly hood and fenders
Bostrom Viking T-bar driver's seat
Full width sponge rubber seat and back
Omit passenger seat
Tinted glass
Sliding rear window
King-size rear view mirrors
Inside rear view mirror
OPTIONAL EQUIPMENT (continued)

2110A

CAB (Continued)
Extension type rear view mirror, passenger side
Omit rear view mirror
Solid rear cab mount
Air conditioner
Padded instrument panel
National Cush-N-Aire driver's seat
Steel hauler cab
Custom interior trim package includes:
Black instrument panel pad
Woodgrain instrument panel trim headliner and back panel
Vinyl door trim and upholstery

CLUTCH
13-inch 2-plate
14-inch 15-spring single plate with HD lining

COOLING SYSTEM
Increased capacity cooling
Automatic radiator shutters (std with V-8 engines)

DRIVE LINE
Oversize drivelines

ELECTRICAL SYSTEM
65-amp or 80-amp alternator
Dual 6-volt, 150-amp-hr batteries
Trailer light connections, 6 or 7 way
Trailer lighting cable; separate switch for trailer lights
Dual electric horns; dual air horns
Back-of-cab mounted reflectors
Fender mounted parking lights
Transistorized ignition system
Radio and antenna
Heavy-duty centrifugal speedometer
Recording tachographs; MPH, RPM, 24-hour or multiday
Centrifugal or electrical tachometer

ENGINE
RD-501, 181 net BHP gasoline, six
VS-478, 209 net BHP gasoline, V-8*
VS-549, 227 net BHP gasoline, V-8*
High-altitude equipment (5,000 or 10,000 ft.)
Luberfiner (14 quart capacity)
Farr dry-type cleaner with thermostatically controlled air intake system and air flow restriction indicator
Front mounted PTO adapter
Environmental package:
Transistorized ignition system
Luberfiner oil filter
Farr dry-type air cleaner
Engine oil cooler
*Includes dual mufflers and tail pipes, in-tank fuel pump and radiator shutters

FRAME
L-type full length heat-treated frame reinforcement
Two rear tow hooks
Rear tow loop
Two front tow loops
Flat-face bumper (for 90° BBC)
Tapered rear frame
Frame with integral 18" front extension and front U-channel reinforcement with sweepback front bumper
5th wheel mounting angle iron

FUEL TANKS (Nominal Capacity)
31-gallon left, right or dual side mounted
50-gallon aluminum or 63-gallon steel left, right or dual center step safety
Omit tank
In tank electric fuel pump (standard with V-8 engines)

STEERING
Power steering
22" padded, satin spoke, steering wheel

SUSPENSION
4000-lb auxiliary rear springs
Front shock absorbers
IH air suspension

TRANSMISSION
T-57 (SW43D) 5-speed direct; 1.17 fourth gear
T-68 (6652) 5-speed direct; 1.45 fourth gear
T-88 (6752-C) 5-speed direct; 1.18 fourth gear
T-204 (6352-B) 5-speed direct; 1.61 fourth gear
T-223 (6352) 5-speed direct; 1.44 fourth gear
T-401 (5CW-62) 5-speed direct; 1.16 fourth gear
T-402 (5CW-62) 5-speed direct; 1.57 fourth gear
T-404 (5CW-620) 5-speed, 0.865 Overdrive
T-411 (5CW-65) 5-speed, 1.16 fourth gear
T-412 (5CW-65) 5-speed, 1.37 fourth gear
T-413 (5CW-65) 5-speed, 1.57 fourth gear
T-414 (5CW-650) 5-speed, 0.865 Overdrive
T-415 (5CW-65) 5-speed, 1.69 fourth gear
T-448 10-speed RT-610 Roadranger
4 or 5-speed Allison automatic
AT-522 (7231-A or B) 3-speed auxiliary
AT-523 (7231-A, B or D) 3-speed auxiliary
AT-540 (8031-C or P) 3-speed auxiliary
Oil temperature gauge for automatic transmission
Oil filter for automatic transmission

WHEELS AND TIRES
Optional tire sizes as shown on next page
10-stud steel disc wheels
IH front and/or rear wheel seals
DIMENSIONS & WEIGHTS

**Reduce by 2" when flat face front bumper is used.**

**DIMENSIONS COMMON TO ALL WHEELBASES, WITH 10.00x20 TIRES**

- Overall Width: 95.5" at Front Fenders
- Overall Height: 96.9" at Top of Cab
- Ground Clearance: 12.2" at Front Axle
- Frame Height at Rear Axle: 40.8" Empty

**CHASSIS DIMENSIONS & WEIGHTS**

**CHASSIS WEIGHTS, LBS.***

<table>
<thead>
<tr>
<th>WB</th>
<th>Front</th>
<th>Rear</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>136&quot;</td>
<td>4,970</td>
<td>3,170</td>
<td>8,140</td>
</tr>
<tr>
<td>148&quot;</td>
<td>4,995</td>
<td>3,265</td>
<td>8,260</td>
</tr>
<tr>
<td>166&quot;</td>
<td>5,080</td>
<td>3,390</td>
<td>8,475</td>
</tr>
<tr>
<td>184&quot;</td>
<td>5,335</td>
<td>3,750</td>
<td>9,085</td>
</tr>
<tr>
<td>202&quot;</td>
<td>5,420</td>
<td>3,790</td>
<td>9,210</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>WB</th>
<th>Front</th>
<th>Rear</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>136&quot;</td>
<td>4,970</td>
<td>3,170</td>
<td>8,140</td>
</tr>
<tr>
<td>148&quot;</td>
<td>4,995</td>
<td>3,265</td>
<td>8,260</td>
</tr>
<tr>
<td>166&quot;</td>
<td>5,080</td>
<td>3,390</td>
<td>8,475</td>
</tr>
<tr>
<td>184&quot;</td>
<td>5,335</td>
<td>3,750</td>
<td>9,085</td>
</tr>
<tr>
<td>202&quot;</td>
<td>5,420</td>
<td>3,790</td>
<td>9,210</td>
</tr>
</tbody>
</table>

**DIMENSIONS**

- CA: j72" | 104" | 196"
- CF: j84" | 138" | 230"
- OAL: j120" | 216" | 308"

**TURNING RADIUS**

- To Centerline of Tire: j22 ft. 6 in. | 29 ft. 6 in. | 32 ft. 1 in.
- With Bumper Clearance: j23 ft. 10 in. | 30 ft. 10 in. | 33 ft. 5 in.

**TIRE DIMENSIONS**

**CAST WHEELS**

<table>
<thead>
<tr>
<th>Tire Size</th>
<th>10.00x20</th>
<th>10.00x20</th>
<th>10.00x22</th>
<th>11.00x20</th>
<th>11.00x22</th>
<th>10.00x20</th>
<th>10.00x20</th>
<th>11.00x20</th>
<th>11.00x22</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rim Size</td>
<td>7.00T</td>
<td>7.50V</td>
<td>7.05V</td>
<td>7.50V</td>
<td>7.50V</td>
<td>7.00T</td>
<td>7.50V</td>
<td>7.50V</td>
<td>7.50V</td>
</tr>
<tr>
<td>Outside Width OW</td>
<td>95.0&quot;</td>
<td>95.0&quot;</td>
<td>95.8&quot;</td>
<td>96.1&quot;</td>
<td>96.1&quot;</td>
<td>95.1&quot;</td>
<td>95.9&quot;</td>
<td>96.0&quot;</td>
<td>96.2&quot;</td>
</tr>
<tr>
<td>Tread Width I W</td>
<td>72.0&quot;</td>
<td>72.0&quot;</td>
<td>72.0&quot;</td>
<td>72.0&quot;</td>
<td>72.0&quot;</td>
<td>72.1&quot;</td>
<td>72.1&quot;</td>
<td>72.1&quot;</td>
<td>72.2&quot;</td>
</tr>
<tr>
<td>Inside Width I W</td>
<td>49.0&quot;</td>
<td>48.2&quot;</td>
<td>48.2&quot;</td>
<td>47.9&quot;</td>
<td>47.9&quot;</td>
<td>49.1&quot;</td>
<td>48.3&quot;</td>
<td>48.4&quot;</td>
<td>48.0&quot;</td>
</tr>
<tr>
<td>Chain Clearance</td>
<td>2.9&quot;</td>
<td>2.5&quot;</td>
<td>2.5&quot;</td>
<td>2.4&quot;</td>
<td>2.4&quot;</td>
<td>3.0&quot;</td>
<td>2.5&quot;</td>
<td>2.6&quot;</td>
<td>2.4&quot;</td>
</tr>
<tr>
<td>Front Tread</td>
<td>80.1&quot;</td>
<td>79.5&quot;</td>
<td>79.4&quot;</td>
<td>79.4&quot;</td>
<td>79.4&quot;</td>
<td>60.4&quot;</td>
<td>79.9&quot;</td>
<td>80.0&quot;</td>
<td>79.9&quot;</td>
</tr>
</tbody>
</table>

**DISC WHEELS**

<table>
<thead>
<tr>
<th>Tire Size</th>
<th>10.00x20</th>
<th>10.00x20</th>
<th>10.00x22</th>
<th>11.00x20</th>
<th>11.00x22</th>
<th>10.00x20</th>
<th>10.00x20</th>
<th>11.00x20</th>
<th>11.00x22</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rim Size</td>
<td>7.00T</td>
<td>7.50V</td>
<td>7.05V</td>
<td>7.50V</td>
<td>7.50V</td>
<td>7.00T</td>
<td>7.50V</td>
<td>7.50V</td>
<td>7.50V</td>
</tr>
<tr>
<td>Outside Width OW</td>
<td>95.0&quot;</td>
<td>95.0&quot;</td>
<td>95.8&quot;</td>
<td>96.1&quot;</td>
<td>96.1&quot;</td>
<td>95.1&quot;</td>
<td>95.9&quot;</td>
<td>96.0&quot;</td>
<td>96.2&quot;</td>
</tr>
<tr>
<td>Tread Width I W</td>
<td>72.0&quot;</td>
<td>72.0&quot;</td>
<td>72.0&quot;</td>
<td>72.0&quot;</td>
<td>72.0&quot;</td>
<td>72.1&quot;</td>
<td>72.1&quot;</td>
<td>72.1&quot;</td>
<td>72.2&quot;</td>
</tr>
<tr>
<td>Inside Width I W</td>
<td>49.0&quot;</td>
<td>48.2&quot;</td>
<td>48.2&quot;</td>
<td>47.9&quot;</td>
<td>47.9&quot;</td>
<td>49.1&quot;</td>
<td>48.3&quot;</td>
<td>48.4&quot;</td>
<td>48.0&quot;</td>
</tr>
<tr>
<td>Chain Clearance</td>
<td>2.9&quot;</td>
<td>2.5&quot;</td>
<td>2.5&quot;</td>
<td>2.4&quot;</td>
<td>2.4&quot;</td>
<td>3.0&quot;</td>
<td>2.5&quot;</td>
<td>2.6&quot;</td>
<td>2.4&quot;</td>
</tr>
<tr>
<td>Front Tread</td>
<td>80.1&quot;</td>
<td>79.5&quot;</td>
<td>79.4&quot;</td>
<td>79.4&quot;</td>
<td>79.4&quot;</td>
<td>60.4&quot;</td>
<td>79.9&quot;</td>
<td>80.0&quot;</td>
<td>79.9&quot;</td>
</tr>
</tbody>
</table>

*With cab, standard equipment, fuel, oil and water. Estimated pre-production weights.

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

FLEETSTAR

MODEL F-1900

INTERNATIONAL TRUCKS—World’s Most Complete Line
**ENGINE** (continued):

Bore, 4¾ in.; stroke, 4½ in.; displacement, 406 cu. in.  
Compression ratio, 6.5 to 1. Governor.  
Oil capacity, 9 qt. Full-flow oil filter.

**FINISH:**  
Sheet metal, rust-inhibited, painted any standard color.

**FRAME:**  
Heat-treated chrome-molybdenum steel channel.  
9 x 3½ x ¼ in. Section modulus, 10.20.  
Resisting bending moment, 1,122,000 in.-lb.

**FUEL SYSTEM:**  
Diaphragm fuel pump, camshaft driven. Fuel filter.  
Downdraft carburetor. Oil-bath air cleaner.  
IH 50-gal. steel step tank mounted on left frame.

**HOOD:**  
Reinforced fiberglass, forward tilting.

**OPTIONAL EQUIPMENT AT ADJUSTED COST**

**Axe, Front:**  
FA-112. Capacity, 11,000 lb., with 16½ x 6 in. brakes.  
FA-215. Capacity, 12,000 lb., heavy-duty springs.

**Axe, Rear Tandem:**  
Capacities, 34,000 lb., with 16½ x 6 in. brakes.  
Steel or aluminum walking beams, 48 or 50-in. centers.  
Rubber load cushion suspension, aluminum saddles.

**Brakes, Parking and Emergency:**  
Lining area, 410.8 sq. in., with 34,000-lb. rear axles.

**Brakes, Service:**  
12-cu.-ft. compressor.  
Semi-trailer connections, tractor protection valve and hand control valve.  
Front wheel limiting valve.

**CAB:**  
Bostrom Viking T-bar suspension driver's seat.  
Heater and defroster. Special lights.

**CLUTCH:**  
Heavy-duty, 14-in. diameter with ferramic facings.

**Cooling System:**  
Air-operated automatic radiator shutters.  
Increased capacity cooling.

**Springs:**  
Semi-elliptic steel leaf.  
Front, 3 x 48 in. Capacity, 4,500 lb. each.  
Rear, 4 x 34 in. Capacity, 19,550 lb. each.

**STEERING SYSTEM:**  
Variable ratio gear, aluminum housing, outboard mounted.  
Jointed steering column.  
Flat-angle 20-in. diameter steering wheel.

**TIRES:**  
9.00 x 20, 10-ply, with tubes; dual rear.

**TRANSMISSION:**  
T-51, five-speed, direct.  
Constant mesh helical gears, 3rd to 5th.  
Ratios: 8.03, 4.61, 2.46, 1.41 and 1.00 to 1.  
Reverse ratio, 9.00 to 1.  
Large power take-off opening, each side.

**WHEELS:**  
Cast spoke, 7,007T rims.  
International lightweight 5-spoke, rear.
GROSS VEHICLE WEIGHT RATINGS: (GVWR)

<table>
<thead>
<tr>
<th></th>
<th>STANDARD GVWR</th>
<th></th>
<th>GVWR</th>
<th></th>
<th>MAXIMUM GVWR</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>37,500</td>
<td>41,320</td>
<td>44,860</td>
<td>w/ADVERTISED OPTIONS</td>
<td>46,000</td>
</tr>
<tr>
<td>FRONT AXLE</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Spring</td>
<td>FA-98</td>
<td>FA-109</td>
<td>FA-139</td>
<td></td>
<td>FA-139</td>
</tr>
<tr>
<td>Tire</td>
<td>03499</td>
<td>03500</td>
<td>03506</td>
<td></td>
<td>03506</td>
</tr>
<tr>
<td></td>
<td>5.00 x 20 - 10 PR</td>
<td>9.00 x 20 - 10 PR</td>
<td>10.00 x 20 - 12 PR*</td>
<td></td>
<td>15 x 22.5 - 14 PR**</td>
</tr>
<tr>
<td>FRT-GAWR</td>
<td>7,500</td>
<td>9,000</td>
<td>10,860</td>
<td></td>
<td>12,000</td>
</tr>
<tr>
<td>REAR AXLE</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Spring</td>
<td>RA-341</td>
<td>RA-351</td>
<td>RA-351</td>
<td></td>
<td>RA-351</td>
</tr>
<tr>
<td>Tire</td>
<td>Standard</td>
<td>w/Axle</td>
<td>w/Axle</td>
<td></td>
<td>w/Axle</td>
</tr>
<tr>
<td></td>
<td>9.00 x 20 - 10 PR</td>
<td>10.00 x 20 - 12 PR*</td>
<td>15 x 22.5 - 14 PR**</td>
<td></td>
<td>15 x 22.5 - 14 PR**</td>
</tr>
<tr>
<td>RR-GAWR</td>
<td>30,000</td>
<td>32,320</td>
<td>34,000</td>
<td></td>
<td>34,000</td>
</tr>
</tbody>
</table>

MAXIMUM GROSS COMBINATION WEIGHTS:

- Standard: 55,000 lbs.
- With Oversize Engine, Transmission and Rear Axle: 65,000 lbs.

* 7.50V Rim
** 12.25" 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 of calculating specific GVWR's. Where higher GVWR's are required larger components must be specified.

STANDARD EQUIPMENT

**AXLE, FRONT**
- FA-98 7,000-lb capacity center-tread
- Heat-treated forged steel I-beam

**AXLE, REAR**
- RA-341 30,000-lb capacity, tandem thru drive, hypoid gear single reduction
- One-piece forged steel housings
- Full-floating, induction hardened shafts
- Inter-axle power divider, electrically operated
- Ratios: 5.57, 6.50, 7.17, 7.80

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

**BRAKES, SERVICE**
- Hydraulic, with vacuum power assist
- Self-energizing; double wheel cylinders
- 123/" diameter power cylinder
- Vacuum reserve tank with gauge
- Lining size: 15 x 3" front, 15 x 5" rear
- Total lining area: 832.6 sq. inches

**CAB**
- All steel cab with steel butterfly hood and fenders
- Individual driver seat, fully adjustable foam rubber construction
- Seat belts
- Heavy-duty black rubber floor mat
- Padded sun visor and dual armrests
- Glove box, right side of dash
- Fuse panel in glove box
- Magnetic tachometer; speedometer; voltmeter
- Oil pressure, fuel and water temperature gauges

**CAB (Continued)**
- Hand choke and locking type hand throttle
- Electric, two-speed windshield wipers with single motor, non-glare arms; electric windshield washers
- Outside extension type rear view mirror, left side
- Safety type door latches and hinges
- Door locks, both doors
- Left side cab grab handle
- Fresh air heater and defroster

**CLUTCH**
- 14-inch 15-spring single plate mechanical control; vibration dampener

**COOLING SYSTEM**
- 47.7 quart capacity
- 3-piece bolted radiator with de-aeration system, 775 square inch frontal area
- Permanent anti-freeze — 20°F
- Radiator sightglass

**DRIVELINE**
- Mechanics 7-C U-Joints
- Inter-axle: Mechanics 6-C joints

**ELECTRICAL**
- 12-volt 37-amp alternator
- 78 plate, 60 amp-hr battery, cowl mounted
- Front directional signals; with side reflectors and lamps
- Two front clearance and three identification lamps
- Dual stop and tail lamps
- Rear directional signals
- Dome light
- Back-up light: traffic hazard switch
- Combination ignition and starter switch
STANDARD EQUIPMENT (Continued)

ENGINE
International RD-406 gasoline six
- Gross BHP: 193.1 @ 3200 RPM
- Gross torque: 373 lb-ft @ 1600 RPM
- 406 cu. in. displ.: 7.13 to 1 compr. ratio
- Oil bath air cleaner: full-flow oil filter
- Horizontal muffler and tail pipe with aluminized exhaust pipe
- Exhaust emission control

FINISH
- Frame, bumper, wheels, fuel tank: black
- Cab, fenders and radiator shell: choice of standard IH color
- Radiator grille insert: grey

FRAME
- Heat treated straight steel channel
  - 136, 148" WB: $\frac{9}{16} \times \frac{3}{4} \times \frac{1}{2}$"; section modulus: 11.63
  - 166, 184" WB: $\frac{9}{16} \times \frac{3}{4} \times \frac{1}{2}$" with $\frac{9}{16} \times \frac{3}{4} \times \frac{1}{4}$" full length heat treated inverted L-type frame reinforcement; combined section modulus: 19.37
  - 202" WB: $\frac{9}{16} \times \frac{3}{4} \times \frac{1}{2}$" with $\frac{14}{16} \times \frac{3}{4} \times \frac{1}{4}$" full-length heat treated deep channel reinforcement; combined section modulus: 32.65

FRAME (Continued)
- Combined resisting bending moment: 3,591,500 in-lbs
- Heavy-duty formed steel channel front bumper

FUEL TANK
- 31-gallon steel, left side

STEERING
- S-31 steering gear with jointed column
- 21" diameter steering wheel

SUSPENSION, FRONT
- 4 x 48" semi-elliptic steel leaf springs
- Spring capacities tailored to axle load

SUSPENSION, REAR
- Walking-beam suspension—spring capacities tailored to axle load
- 4 x 34" semi-elliptic steel leaf springs
- 50" steel walking beams

TRANSMISSION
- T-54 five-speed, constant-mesh, direct
- Ratios: 8.03, 4.61, 2.46, 1.41, 1.00; 8.00 rev.

WHEELS AND TIRES
- Single front and dual rear
- 9.00 x 20, 10-PR tires and tubes
- Cast spoke wheels with 7.00T rims

OPTIONAL EQUIPMENT

AXLE, FRONT
- FA-139 12,000-lb, wide tread, 15 x 3\(\frac{1}{2}\)" hydraulic or 15 x 3\(\frac{1}{2}\)" wedge air brakes

AXLE, REAR
- RA-302 34,000-lb single speed tandem drive with 50" beams
  - Ratios: 4.33, 4.55, 4.87, 5.57, 6.14, 6.50, 7.17
- RA-303 34,000-lb two-speed tandem drive with 50" beams, full air-shift
  - Ratios: 3.70/5.05, 4.11/5.61, 4.33/5.91, 4.56/6.21, 4.87/6.65, 5.57/7.60, 6.14/8.38, 6.50/8.87, 7.17/9.77
- RA-306 34,000-lb 3-speed tandem drive with spiral bevel gears, 50" beams, full air-shift
  - Ratios: 3.70/4.37/5.05, 4.11/4.86/5.61, 4.33/5.12/5.91, 4.56/5.39/6.21, 4.87/5.77/6.65, 5.29/6.25/7.21, 5.57/6.59/7.60, 6.50/7.68/8.87, 7.17/8.47/9.77
- RA-351 34,000-lb single-speed tandem drive with 50" beams
  - Ratios: 4.10, 4.44, 4.77, 5.37, 6.14, 6.57, 7.17, 8.17
- RA-386 34,000-lb single-speed, wide track tandem drive, with 50" beams

AXLE, REAR (Continued)
- (for use with flotation tires only)
  - Ratios: 4.10, 4.44, 4.77, 5.37, 6.14, 6.57, 7.17, 8.17

BRAKE, PARKING
- DCM 10 x 3" drum type: lining area 69.1 sq. in.
- DCM 12 x 5" drum type: lining area 137.6 sq. in.
- Piggy-back mounted spring-actuated, on air brake chassis only
- Extra 462 cu. in. air tank to release spring-loaded brake

BRAKES, SERVICE (HYDRAULIC)
- Semi-Trailer connections with hand control valve
  - 15 x 3\(\frac{1}{2}\)" for FA-119
  - 15 x 6" for RA-351
  - 15 x 7" for RA-351
- Omit front brakes

BRAKES, SERVICE (AIR)
- Air brakes with 7\(\frac{1}{2}\) cu. ft. compressor, dual reservoirs, 2400 cu. in. total capacity, pressure gauge, low pressure warning buzzer and air operated windshield wipers (single motor)
  - 15 x 3" wedge for FA-98 or FA-109
  - 15 x 3\(\frac{1}{2}\)" wedge for FA-119
  - 16 x 2\(\frac{1}{4}\)" S-cam for FA-98
Dimensions and approximate weights are for chassis with cab, fuel, oil, water and standard equipment.

**STANDARD EQUIPMENT**

**Axle, Front:**
FA-105. Rated capacity, 9,000 lb.
Heat-treated forged steel I-beam.

**Axles, Rear Tandem:**
International RA-351. Rated capacity, 34,000 lb.
Ratios: 4.1, 4.44, 4.78, 5.38, 6.14, 6.57, 7.17 or 8.17 to 1.
Single reduction, full-floating, double axle through-drive.
Hypoid, straddle-mounted pinions, 16-in. ring gears.
Inter-axle differential. Air-operated power divider lock.
Induction-hardened steel axle shafts.
Heat-treated steel housings, welded-on covers.
Steel spring suspension.
Nodular iron walking beams, 50-in. centers.

**Brakes, Parking and Emergency:**
Spring-actuated, released by air pressure.
Piggy-back mounted on rear rear brake chambers.
Lining area, 410.8 sq. in.

**Brakes, Service, Air:**
Front, 16 x 2½ in.; lining area, 151 cu. in.
Rear, 16½ x 6 in.; lining area, 821.8 cu. in.
Two shoes per wheel, double anchored.
12 cu.-ft. air compressor; air reservoir.
Low pressure warning buzzer.

**Cab:**
Fleetstar, all-steel and safety glass.
Fully-adjustable foam-rubber padded driver's seat with shock absorber action. Ribbed vinyl upholstery.
Individual gauges covering all engine functions.

**Engine:**
Cummins V6E 195, 6-cylinder, diesel.
Gross brake horsepower, 195 at 2,500 rpm.
Gross torque, 449 lb-ft. at 1,800 rpm.
Bore, 5½ in.; stroke, 4½ in.; displacement, 588 cu. in.
Compression ratio, 16.7 to 1.
Finish:
Sheet metal, rust-inhibited, painted any standard color.

Frame:
Heat-treated chrome-molybdenum steel channel.
9 x 3½ x ¼ in. Section modulus, 10.20.
Resisting bending moment, 1,120,000 in.-lb.

Fuel System:
Continuous flow, low-pressure PT type.
Gear pump, pressure regulator, governor, throttle and shut-down valve. Metering type injector.
IH 50-gal. steel step tank mounted on left frame.

Hood:
Reinforced fiberglass, forward tilting.

Springs:
Semi-elliptic steel leaf.
Front, 3 x 48 in. Capacity, 4,500 lb. each.
Rear, 4 x 34 in. Capacity, 19,150 lb. each.

Steering System:
Variable ratio gear, aluminum housing, outboard mounted.
Jointed steering column.
Flat-angle 20-in. diameter steering wheel.

Tires:
10.00 x 20, 12-ply, with tubes; dual rear.

Transmission:
T-214, five-speed, direct.
Constant mesh helical gears, 3rd to 5th.
Ratios: 5.96, 2.95, 1.62, 1.25 and 1.00 to 1.
Reverse ratio, 6.01 to 1.
Large power take-off opening, each side.

Wheels:
Cast spoke, 7.50V rims.
International lightweight 5-spoke, rear.

OPTIONAL EQUIPMENT AT ADJUSTED COST

Axle, Front:
FA-112. Capacity, 11,000 lb. \\ With 16⅛ x 3½ in.
FA-215. Capacity, 12,000 lb. \| brakes, heavy-duty springs.

Axles, Rear Tandem:
Capacities, 34,000 lb., with 16⅛ x 6-in. brakes.

Steel or aluminum walking beams, 48 or 50-in. centers.
Rubber load cushion suspension, aluminum saddles.

Brakes, Service:
Semi-trailer connections, tractor protection valve and hand control valve.
Front wheel limiting valve.

Cab:
Inside overhead mirror.
Bostrom Viking T-bar suspension driver's seat.
Heater and defroster. Special lights.

Clutch:
Heavy-duty, 14-in. diameter with ferramic facings.

Electrical System:
Alternator, 52-amp.
Four 6-volt 200-amp.-hr. batteries.
Rear directional signals. Traffic hazard switch.

Engine, Diesel:
NHE-195. 195 hp @ 1950 rpm.
580 lb.-ft. torque @ 1300 rpm.
NH-220. 220 hp @ 2100 rpm.
606 lb.-ft. torque @ 1525 rpm.
NH-250. 250 hp @ 2100 rpm.
685 lb.-ft. torque @ 1800 rpm.
6V-71, Detroit Diesel. 218 hp @ 2100 rpm.
604 lb.-ft. torque @ 1200 rpm.
Luberfiner or IH diesel engine oil filter.

Frame:
Reinforcements, inverted L type.
Two front tow hooks.
Aluminum front bumper.

Fuel System:
Aluminum 50-gal. step tank.
Dual steel or aluminum 50-gal. step tanks.

Springs:
Heavy-duty, for standard front axle.
Front shock absorbers.

Steering:
Semi-integral power steering.

Tires:
Optional sizes, types and treads.

Transmission:
Five-speed, direct or overdrive, choice of nine, including units with aluminum case and bell housing.
Ten-speed, Roadranger, choice of four.

Wheels:
Disc. Aluminum five-spoke cast, rear.

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

INTERNATIONAL HARVESTER COMPANY
180 N. MICHIGAN AVE. • CHICAGO 1, ILLINOIS
AXLE, REAR
FA-109 9,000-lb capacity—wide tread
Heat-treated forged-steel I-beam

AXLE, REAR
FA-351 34,000-lb capacity tandem
thru-drive

CAB (Continued)
Hand throttle
Dual air-operated windshield wipers
Electric windshield washers
Dual king-size rear view mirrors
Door locks, both doors; grab handles
Fresh air heater and defroster
Coat hook

CLUTCH
14-inch 2-plate

COOLING SYSTEM
48-quart capacity
Three piece bolted radiator with de-aeration system
Radiator frontal area: 873 sq. inches
Automatic radiator shutters
Permanent type anti-freeze—20°F
Radiator sight glass

ELECTRICAL SYSTEM
12-volt, 55-amp alternator
Four 6-volt, 63-plate, 150 amp-hr batteries
Front directional signals with side reflectors and lamps
Dome light; cigar lighter
Two front clearance and three identification lamps
Dual stop and tail lamps; back-up light
Rear directional signals
Traffic hazard switch

ENGINE
Cummins NH-230 diesel six
Gross BHP: 230 @ 2100 rpm
Gross Torque: 632 lb-ft @ 1450 rpm
855 cu. in. disp.; 15.5 to 1 compr. ratio
Oil bath air cleaner; full-flow oil filter
Vertical muffler and stack-144" WB

Engine (Continued)
Horizontal muffler with vertical stack—150'-186" WB

FUEL TANK
20-inch steering wheel

Suspension, Front
3 x 48" semi-elliptic steel leaf springs
Spring capacities tailored to axle load

FUEL TANK
20-inch steering wheel

Suspension, Rear
34,000-lb capacity walking beam
suspension

TRANSMISSION
125 (5-H-74T) five-speed, constant-mesh, direct
Ratios: 3.80, 2.77, 2.17, 1.48, 1.00; 6.51 reverse

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

MAXIMUM GROSS COMBINATION WEIGHT
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 of calculating specific GVWR's. Where higher GVWR's are required larger components must be specified.
**Fleetstar F-2000-D**

**OPTIONAL EQUIPMENT (Continued)**

**AXLE, REAR (Continued)**
- 6.17, 6.83, 7.20, 7.80, 8.60
- RA-333 38,000-lb single-speed tandem drive with 16½ x 7" brakes
- RA-355 38,000-lb single-speed tandem drive with 16½ x 7" brakes
- Ratios: 4.11, 4.44, 4.63, 5.29, 5.83, 6.17, 6.83, 7.20, 7.80

**CAB**
- Clutch
- Semi-trailer connections with hand control
- Fresh air blower

**ELECTRICAL SYSTEM (Continued)**
- Two 6-volt 208 amp-hr batteries
- Extra sun visor; extra arm rest
- Extra 462 cu. in. air tank
- 15 x 7"Stopmaster air brakes
- 14-inch 2-plate HD with ceramic facing
- 12-volt 62-amp alternator
- Included 4 6-volt 208 amp-hr batteries
- Lubri-liner oil filter
- Front shock absorbers

**ENGINE**

**FRAME**
- Vertical tailpipe
- 14"Donaldson cyclopac air cleaner
- In-tank electric fuel pumps
- Inverted L frame reinforcement
- Optional tire sizes as shown below
- Cast wheels
- Disc wheels

**FUEL TANKS**
- Wall spring saddles
- Center-step safety tanks

**SUSPENSION**
- 50-gallon dual steel center-step safety tanks
- In-tank electric fuel pumps
- Power steering
- Steering wheel lateral shift

**TRANSMISSION**
- T-128 (RT-915) 15-speed twin counter-shaft, Roadranger, direct
- T-129 ten-speed, twin countershaft
- T-130 five-speed, constant-mesh direct
- T-132 (RT-915) five-speed, constant-mesh direct
- T-252 (5-HA-74) five-speed, constant-mesh direct
- T-255 (T-905) five-speed, 0.85 overdrive
- T-344 (T-905B) five-speed, 1.05 overdrive
- T-347 (T-905A) five-speed, 1.05 overdrive
- T-348 (T-905B) five-speed, constant-mesh direct
- T-375 (T-905) five-speed, constant-mesh direct
- T-385 (P8516B) five-speed, 1.05 overdrive
- T-405 (P8516B) five-speed, 1.05 overdrive
- T-459 (RT-9513) 13-speed twin
- T-540 three-speed auxiliary

**STEERING**
- Power steering
- Optional tire sizes as shown below
- 10-stud disc wheels
- Aluminum cast spoke rear wheels

**WHEELS AND TIRES**

**DIMENSIONS AND WEIGHTS**

**CHASSIS DIMENSIONS and WEIGHTS**

**CHASSIS WEIGHTS, LBS.*

<table>
<thead>
<tr>
<th>WB</th>
<th>Front</th>
<th>Rear</th>
<th>Total</th>
<th>CA</th>
<th>OAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>144&quot;</td>
<td>5,944</td>
<td>6,950</td>
<td>12,894</td>
<td>78&quot;</td>
<td>132&quot;</td>
</tr>
<tr>
<td>150&quot;</td>
<td>6,034</td>
<td>6,875</td>
<td>12,909</td>
<td>84&quot;</td>
<td>138&quot;</td>
</tr>
<tr>
<td>162&quot;</td>
<td>6,194</td>
<td>6,775</td>
<td>12,949</td>
<td>96&quot;</td>
<td>150&quot;</td>
</tr>
<tr>
<td>166&quot;</td>
<td>6,254</td>
<td>6,775</td>
<td>13,029</td>
<td>102&quot;</td>
<td>180&quot;</td>
</tr>
<tr>
<td>186&quot;</td>
<td>6,409</td>
<td>6,660</td>
<td>13,074</td>
<td>120&quot;</td>
<td>289.5&quot;</td>
</tr>
</tbody>
</table>

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

**TURNING RADIUS**

- To Centerline of Tire
- With Bumper Clearance

**TIRE DIMENSIONS**

<table>
<thead>
<tr>
<th>Tire Size</th>
<th>10.00x20</th>
<th>11.00x20</th>
<th>10.00x22</th>
<th>11.00x22</th>
<th>10.00x20</th>
<th>11.00x20</th>
<th>10.00x22</th>
<th>11.00x22</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rim Size</td>
<td>7.50V</td>
<td>7.50V</td>
<td>7.50V</td>
<td>7.50V</td>
<td>7.50V</td>
<td>7.50V</td>
<td>7.50V</td>
<td>7.50V</td>
</tr>
<tr>
<td>Outside width OW</td>
<td>95.4&quot;</td>
<td>96.0&quot;</td>
<td>95.5&quot;</td>
<td>95.9&quot;</td>
<td>94.9&quot;</td>
<td>95.4&quot;</td>
<td>94.9&quot;</td>
<td>95.5&quot;</td>
</tr>
<tr>
<td>Tread width TW</td>
<td>72.0&quot;</td>
<td>72.0&quot;</td>
<td>72.1&quot;</td>
<td>73.0&quot;</td>
<td>71.4&quot;</td>
<td>71.4&quot;</td>
<td>71.4&quot;</td>
<td>71.4&quot;</td>
</tr>
<tr>
<td>Inside Width IW</td>
<td>48.7&quot;</td>
<td>48.1&quot;</td>
<td>48.5&quot;</td>
<td>48.1&quot;</td>
<td>48.0&quot;</td>
<td>47.5&quot;</td>
<td>47.9&quot;</td>
<td>47.5&quot;</td>
</tr>
<tr>
<td>Chain clearance</td>
<td>3.1&quot;</td>
<td>2.8&quot;</td>
<td>2.6&quot;</td>
<td>2.1&quot;</td>
<td>3.1&quot;</td>
<td>2.6&quot;</td>
<td>2.4&quot;</td>
<td>2.0&quot;</td>
</tr>
<tr>
<td>Front Tread</td>
<td>79.5&quot;</td>
<td>79.4&quot;</td>
<td>79.4&quot;</td>
<td>79.4&quot;</td>
<td>79.8&quot;</td>
<td>79.6&quot;</td>
<td>79.6&quot;</td>
<td>79.6&quot;</td>
</tr>
</tbody>
</table>

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

FLEETSTAR®

F-2010A

Vehicle illustrated may include Optional Equipment and does not necessarily include all standard equipment.

GROSS VEHICLE WEIGHT RATINGS: (GVWR)

<table>
<thead>
<tr>
<th>AXLE</th>
<th>FA-109</th>
<th>FA-139</th>
<th>FA-139</th>
<th>FA-139</th>
<th>FA-136</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>9,000</td>
<td>12,000</td>
<td>12,000</td>
<td>12,000</td>
<td>16,000</td>
</tr>
<tr>
<td></td>
<td>7,500</td>
<td>10,000</td>
<td>10,000</td>
<td>10,000</td>
<td>16,000</td>
</tr>
<tr>
<td></td>
<td>9,920</td>
<td>11,560</td>
<td>11,560</td>
<td>15-22.5</td>
<td>16,920</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>54,000</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

MAXIMUM GVWR

STANDARD EQUIPMENT

AXLE, FRONT
FA-109, 9,000-lb. capacity center-tread
Heat-treated forged steel I-beam

AXLE, REAR
RA-351 34,000-lb single-speed tandem drive with 50" beams and 15x6", 15x7" hydraulic; 15x6", 15x7" wedge or 16½x6", 16½x7" S-cam air brakes

BRAKE, PARKING
DCM 12x4" drum type, at rear of transmission
Orscheln hand control lever

BRAKES, SERVICE
Hydraulic, with vacuum power assist
Self-energizing; double wheel cylinders
12½" diameter power cylinder
Vacuum reserve tank with gauge

CAB
All steel cab with forward-tilting one-piece reinforced fiberglass hood and front fenders
Individual driver and passenger seats, fully adjustable foam rubber construction

CLUTCH
14-inch 15-spring single plate mechanical control; vibration dampener

COOLING SYSTEM
47.7 quart capacity
3-piece bolted radiator with de-aeration system, 775 square inch frontal area
Permanent anti-freeze -20°F
Radiator sightglass

DRIVE LINE
Mechanics 7-C U-joints
Inter-axle: Mechanics 6-C joints

ELECTRICAL
12-volt 37-amp alternator
78 plate, 70 amp-hr battery, cowl mounted

ENGINE
International RD-450 gasoline six
Gross BHP: 202.0 @ 3000 RPM
Gross torque: 422 lb-ft @ 1600 RPM
450 cu. in. display: 7.06 to 1 compr. ratio

FINISH
Frame, bumper, wheels, fuel tank: black

FRAME
Heat treated straight steel channel
136, 148" WB:
9½x3½x¾; section modulus: 11.63
resisting bending moment: 1,279,300 in-lbs
166, 184" WB:
9½x3½x¾; with 8½x3½x¾ full length heat treated inverted L-type frame reinforcement;
## STANDARD EQUIPMENT (Continued)

**FRAME (Continued)**
- Combined section modulus: 19.41
- Combined resisting bending moment: 2,135,100 in-lbs
- 202" WB:
  - $9\frac{1}{8}$$\times$$3\frac{1}{4}$$\times$$\frac{3}{8}$$"$ with 14$\frac{1}{2}$$\times$$3$$\frac{1}{4}$$\times$$\frac{1}{4}$$"$ full-length heat treated deep channel reinforcement; combined section modulus: 32.65
- Combined resisting bending moment: 3,591,500 in-lbs
- Heavy-duty formed steel channel front bumper

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

**STEERING**
- S-44 steering gear with jointed column
- 21" diameter steering wheel

**SUSPENSION, FRONT**
- 4x48" semi-elliptic steel leaf springs
- Spring capacities tailored to axle load

**SUSPENSION, REAR**
- Walking-beam suspension—spring capacities tailored to axle load
- 4x34" semi-elliptic steel leaf springs
- 50" steel walking beams

**TRANSMISSION**
- T-54 five speed, constant-mesh, direct
- Ratios: 8.03, 4.61, 2.46, 1.41, 1.00; 8.00 rev.

**WHEELS AND TIRES**
- Single front and dual rear
- 9.00x20, 10 PR tires and tubes
- Cast spoke wheels with 7.00T rims

## OPTIONAL EQUIPMENT

**AXLE, FRONT**
- FA-139 12,000-lb with 15 x 3$\frac{1}{2}$" hydraulic or 15 x 3$\frac{3}{4}$" wedge air brakes
- FA-136 16,000-lb with 15 x 5" wedge air brakes

**AXLE, REAR**
- RA-302 34,000-lb single speed tandem drive with 50" beams
  - Ratios: 4.33, 4.55, 4.87, 5.57, 6.14, 6.50, 7.17
- RA-303 34,000-lb two-speed tandem drive with 50" beams, full air-shift
  - Ratios: 3.70/5.05, 4.11/5.61, 4.33/5.91, 4.56/6.21, 4.87/6.65, 5.57/7.60, 6.14/8.38, 6.50/8.87, 7.17/9.77
- RA-306 34,000-lb 3-speed tandem drive with spiral bevel gears, 50" beams, full air shift
  - Ratios: 3.70/4.37/5.05, 4.11/4.86/5.61, 4.33/5.12/5.91, 4.56/5.39/6.21, 4.87/5.77/6.65, 5.29/6.25/7.21, 5.57/6.59/7.60, 6.50/7.68/8.87, 7.17/8.47/9.77
- RA-328 34,000-lb single-speed tandem drive with 50" beams
  - Ratios: 4.11, 4.44, 4.63, 5.29, 5.83, 6.17, 6.83, 7.20, 7.80, 8.60
- RA-333 38,000-lb single-speed tandem drive with 50" beams
  - Ratios: 4.11, 4.44, 4.63, 5.29, 5.83, 6.17, 6.83, 7.20, 7.80
- RA-341 30,000-lb capacity, tandem thru drive, hypoid gear, single-reduction
- One-piece forged steel housings
- Full-floating, induction hardened shafts
- Inter-axle power divider, electrically operated
  - Ratios: 5.57, 6.50, 7.17, 7.80
- RA-355 38,000-lb single-speed tandem drive with 50" beams
  - Ratios: 4.77, 5.37, 6.14, 6.57, 7.17 or 8.17
- RA-386 34,000-lb single-speed, wide track tandem drive, with 50" beams
  - (for use with flotation tires only)
    - Ratios: 4.10, 4.44, 4.77, 5.37, 6.14, 6.57, 7.17, 8.17
- RA-387 38,000-lb single-speed, wide track tandem

**BRAKE, PARKING**
- DCM 10 x 3" drum type: lining area: 69.1 sq. in.
- DCM 12 x 5" drum type: lining area: 137.6 sq. in.
- Piggy-back mounted spring-actuated, on air brake chassis only
- Extra 462 cu. in. air tank to release spring-loaded brake

**BRAKES, SERVICE (HYDRAULIC)**
- Semi-Trailer connections with hand control valve
- 15 x 3$\frac{1}{2}$" for FA-119
- 15 x 6" for RA-302, RA-328, RA-351
- 15 x 7" for RA-302, RA-328, RA-351
- Omit front brakes

**BRAKES, SERVICE (AIR)**
- Air brakes with 7$\frac{1}{4}$ cu ft compressor, dual reservoirs, 2400 cu. in. total capacity, pressure gauge, low pressure warning buzzer and air operated windshield wipers (single motor)
- 15x3" wedge for FA-109
- 15x3$\frac{3}{4}$" wedge for FA-119
- 15x5" wedge for FA-136
- 15x5" wedge for RA-341
- 15x6" wedge for RA-302, RA-303, RA-306, RA-328, RA-386
- 16x5$\frac{3}{4}$" S-cam for RA-341
- 16x6$\frac{1}{4}$" S-cam for RA-302, RA-303, RA-306, RA-328, RA-351
- 16x7$\frac{1}{4}$" S-cam for RA-302, RA-303, RA-306, RA-328, RA-351, RA-355, RA-386, RA-387
- 12 cu ft compressor
- Front wheel limiting valve; DV-2 drain valve
- Air supply valve with 25 ft. hose
- Hand control for chassis air brakes
- Low air pressure indicator, wig-wag
- Semi-trailer connections with hand control and breakaway valve
- Omit front brakes
- Auxiliary Gladhand w/connector at reservoir
OPTIONAL EQUIPMENT (Continued)

CAB
Steel butterfly hood and fenders
Bostrom Viking T-bar driver's seat
Full width sponge rubber seat and back
Omit passenger seat
Tinted glass
Sliding rear window
King size rear view mirrors
Inside rear view mirror
Extension type rear view mirror; passenger side
Omit rear view mirror
Solid cab rear mount
Air conditioner
Padded instrument panel
National cushionaire driver's seat
Steel hauler cab

CLUTCH
14-inch 15-spring single plate with HD lining
13-inch 2-plate

COOLING SYSTEM
Increased capacity cooling
Automatic radiator shutters
(std with V-8 engines)

DRIVELINE
Mechanics 8-C U-Joints with 7-C inter-axle

ELECTRICAL SYSTEM
55-amp or 62-amp alternator
Dual 6-volt, 150 amp/hr batteries
Trailer lighting connections, 6 or 7-way
Trailer light cable, separate switch for trailer lights
Dual electric horns; dual air horns
Back-of-cab mounted reflectors
Fender mounted parking lights
Transistorized ignition system
Radio and antenna
Heavy-duty centrifugal speedometer
Recording tachographs; MPH, RPM, 24-hour or Multiday
Centrifugal or electrical tachometer

ENGINE
RD-406, 193.1-BHP gasoline, six
RD-501, 214.8-BHP gasoline, six
VS-401, 206.0-BHP gasoline, V-8
VS-478, 234.0-BHP gasoline, V-8
VS-549, 256.8-BHP gasoline, V-8
VS-549, 250.8-BHP LPG V-8
High altitude equipment (5,000 or 10,000 ft.)
Luberfiner, 14-quart capacity
Farr dry-type air cleaner with thermostatically controlled air intake system and air flow restriction indicator
Front mounted P.T.O.
Environmental package:
Transistorized ignition system
Luberfiner oil filter
Farr dry type air cleaner
*Includes dual mufflers and tail pipes, in-tank fuel pump and radiator shutters
Engine oil cooler

FRAME (Continued)
Underslung tire carrier
Two rear tow hooks
Rear tow loop
Two front tow loops
Flat-face bumper (for 90° B.B.C.)
Tapered rear frame
Frame with integral 18" front extension and front U-channel reinforcement with sweptback front bumper;
5th wheel mounting angle iron

FUEL TANKS
31-gallon left, right or dual side mounted
50 or 63-gallon left, right or dual center step safety
50-gallon aluminum left, right or dual
50-gallon aluminum left, right or dual center step safety
Omit tank
In-tank electric fuel pump (std with V-8 engines)

STEERING
Power steering, single gear
Power steering, dual gear (FA-139, 136)

SUSPENSION
Front shock absorbers
Rubber-load cushion rear suspension, with aluminum spring saddles
Aluminum walking beams
IH Air Bag suspension

TRANSMISSION
T-53 (F-52) 5-speed, 0.825 overdrive
T-57 (5W43D) 5-speed direct; 1.14 fourth gear
T-68 (5652) 5-speed direct; 1.45 fourth gear
T-88 (5752-C) 5-speed direct; 1.18 fourth gear
T-204 (6352-B) 5-speed direct; 1.61 fourth gear
T-223 (6352) 5-speed direct; 1.44 fourth gear
T-401 (5CW-62) 5-speed direct; 1.16 fourth gear
T-402 (5CW-62) 5-speed direct; 1.37 fourth gear
T-403 (5CW-62) 5-speed direct; 1.57 fourth gear
T-404 (5CW-620) 5-speed, 0.865 overdrive
T-411 (5CW-65) 5-speed direct; 1.16 fourth gear
T-412 (5CW-65) 5-speed direct; 1.37 fourth gear
T-413 (5CW-65) 5-speed direct; 1.57 fourth gear
T-414 (5CW-650) 5-speed, 0.865 overdrive
T-415 (5CW-65) 5-speed, 1.69 fourth gear
T-448 (RT-610) 10-speed, twin countershaft Roadranger
MT series 6-speed automatic
AT-510 (2A-45A) 2-speed auxiliary
AT-522 (7231A or B) 3-speed auxiliary
AT-523 (7231-A, B or D) 3-speed auxiliary
AT-530 (3A-65K) 3-speed auxiliary
AT-540 (8031-C or P) 3-speed auxiliary
AT-546 (8341-C) 4-speed auxiliary
AT-556 (4E-75-E) 4-speed auxiliary

WHEELS AND TIRES
Optional tire sizes as shown on next page
10-stud steel disc wheels
IH front and/or rear wheel seals

FRAME
Inverted L-Type full length heat treated frame reinforcement
Full-length heat treated deep channel frame reinforcement

FRAME (Continued)
Inverted L-Type full length heat treated frame reinforcement
Full-length heat treated deep channel frame reinforcement

FRAME
Inverted L-Type full length heat treated frame reinforcement
Full-length heat treated deep channel frame reinforcement

FRAME
Inverted L-Type full length heat treated frame reinforcement
Full-length heat treated deep channel frame reinforcement

WHEELS AND TIRES
Optional tire sizes as shown on next page
10-stud steel disc wheels
IH front and/or rear wheel seals
Fleetstar F-2010A

**DIMENSIONS and WEIGHTS**

*Reduce by 2" when flat face front bumper is used.*

**DIMENSIONS COMMON TO ALL WHEELBASES, WITH 9.00x20 TIRES**

| Overall Width: 95.5" at Front Fenders | Ground Clearance: 11.6" at Front Axle | Frame Height at Rear Axle: 39.2" Empty
| Overall Height: 96.3" at Top of Cab | 9.2" at Rear Axle | 38.0" Loaded

<table>
<thead>
<tr>
<th>CHASSIS WEIGHT LBS.*</th>
<th>DIMENSIONS</th>
<th>TURNING RADIUS</th>
</tr>
</thead>
<tbody>
<tr>
<td>WB</td>
<td>CA</td>
<td>CF</td>
</tr>
<tr>
<td>---</td>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td>136&quot;</td>
<td>5,110</td>
<td>6,320</td>
</tr>
<tr>
<td>148&quot;</td>
<td>5,145</td>
<td>6,410</td>
</tr>
<tr>
<td>166&quot;</td>
<td>5,185</td>
<td>6,610</td>
</tr>
<tr>
<td>184&quot;</td>
<td>5,225</td>
<td>6,815</td>
</tr>
<tr>
<td>202&quot;</td>
<td>5,485</td>
<td>7,075</td>
</tr>
</tbody>
</table>

*With cab, standard equipment, fuel, oil and water. Estimated pre-production weights*

**TIRE DIMENSIONS**

<table>
<thead>
<tr>
<th>Tire Size</th>
<th>9.00x20</th>
<th>10.00x20</th>
<th>10.00x22</th>
<th>11.00x20</th>
<th>11.00x22</th>
<th>15-22.5</th>
<th>18-22.5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rim Size</td>
<td>7.00T</td>
<td>7.00T</td>
<td>7.50V</td>
<td>7.50V</td>
<td>7.50V</td>
<td>12.25</td>
<td>14.00</td>
</tr>
</tbody>
</table>

| Outside Width OW | 93.1" | 93.7" | 94.5" | 94.5" | 94.8" | 94.8" | 89.6" | 93.3" | 93.8" | 94.6" | 94.7" | 94.9" | 95.0" | 89.4" |
| Inside Width IW  | 48.9" | 48.3" | 47.5" | 47.5" | 47.2" | 47.2" | 52.6" | 48.4" | 48.7" | 47.1" | 47.2" | 46.7" | 46.8" | 52.4" |
| Chain Clearance  | 2.8"  | 2.5"  | 2.1"  | 2.1"  | 2.0"  | 2.0"  | 4.7"  | 2.5"  | 2.2"  | 1.9"  | 2.0"  | 1.7"  | 1.8"  | 4.6"  |
| Front Treads     | 80.1" | 80.1" | 79.5" | 79.5" | 79.4" | 79.4" | 78.7" | 80.5" | 80.4" | 79.9" | 80.0" | 79.9" | 80.0" | 78.8" |

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

INTERNATIONAL HARVESTER EXPORT COMPANY
CHICAGO, ILLINOIS, U.S.A.

E-13-A.

Litho in United States of America.
## INTERNATIONAL FLEETSTAR® F-2010A

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>GVWR 44,800</th>
<th>GVWR 49,560</th>
<th>MAXIMUM GVWR w/ ADVERTISED OPTIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>FRONT AXLE</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Spring</td>
<td>FA-109 9,000</td>
<td>FA-329 10,800</td>
<td>FA-339 12,000</td>
<td>FA-231 16,000</td>
</tr>
<tr>
<td>w/Axle</td>
<td>9,000</td>
<td>9,000</td>
<td>10,800</td>
<td>12,000</td>
</tr>
<tr>
<td>Tire</td>
<td>9.00 x 20-10 PR 9,220</td>
<td>10.00 x 20-12 PR 10,860</td>
<td>10.00 x 20-14 PR* 11,560</td>
<td>15-22.5-16 PR** 16,000</td>
</tr>
<tr>
<td>FRT-GAWR</td>
<td>9,000</td>
<td>10,800</td>
<td>11,560</td>
<td></td>
</tr>
<tr>
<td><strong>REAR AXLE</strong></td>
<td>RA-351 34,000</td>
<td>RA-351 34,000</td>
<td>RA-355 38,000</td>
<td>RA-355 36,000</td>
</tr>
<tr>
<td>Spring</td>
<td>Standard</td>
<td>34,000</td>
<td>38,000</td>
<td></td>
</tr>
<tr>
<td>Tire</td>
<td>9.00 x 20-10 PR 32,320</td>
<td>10.00 x 20-12 PR 38,080</td>
<td>10.00 x 20-14 PR* 42,400</td>
<td>10.00 x 20-12 PR* 36,080</td>
</tr>
<tr>
<td>RR-GAWR</td>
<td>32,320</td>
<td>34,000</td>
<td>38,000</td>
<td></td>
</tr>
</tbody>
</table>

### MAXIMUM GROSS COMBINATION WEIGHTS:

|                  | Standard 65,000 lbs. |           |           |                                   |
|------------------|----------------------|-----------|-----------|                                   |

* 7.50V Rim  
** 12.25" 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 26, 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-109, 9,000-lb. capacity center-tread  
Heat-treated forged steel I-beam

**AXLE, REAR**
RA-351 34,000-lb single-speed tandem drive with 50" beams

**BRAKES, PARKING**
DCM 12 x 4" drum type, at rear of transmission  
Oscheln hand control lever  
Total lining area: 110.3 sq. inches

**BRAKES, SERVICE**
Hydraulic, with vacuum power assist  
Self-energizing; double wheel cylinders  
12½" diameter power cylinder  
Vacuum reserve tank with gauge  
Front: 15 x 3"  
Rear: 15 x 6"  
Total lining area: 955.4 sq. inches

**CAB**
All steel cab with forward-tilting one-piece reinforced fiberglass hood and front fenders  
Individual driver and passenger seats, fully adjustable foam rubber construction  
Seat belts  
Heavy-duty black rubber floor mat with jute backing  
Dual padded sun visors; dual arm rests  
Glove box, right side of dash  
Fuse panel in glove box  
Magnetic tachometer, speedometer, voltmeter  
Oil pressure, fuel and temperature gauges  
Hand choke and hand throttle  
Electric, two-speed windshield wipers with single motor, non-glare arms; electric windshield washers

**CAB (Cont'd.)**
Outside extension type rear view mirror, left side  
Safety type door latches and hinges  
Door locks, both doors  
Cab grab handles  
Fresh air heater and defroster  
Illuminated identification of controls  
Hardboard headliner

**CLUTCH**
14-inch 15-spring single plate mechanical control; vibration damper

**COOLING SYSTEM**
53-quart capacity  
Bolted radiator with de-aeration system, 775 square inch frontal area  
Permanent anti-freeze-20° F  
Radiator sightglass

**DRIVE LINE**
Mechanics 7-C U-joints  
Inter-axle: Mechanics G-C joints

**ELECTRICAL**
12-volt 37 amp alternator  
78 plate, 70 amp-hr battery, cowl mounted  
Front directional signals; with side reflectors and lamps  
Two front clearance and three identification lamps  
Dual step, tail, turn and backup lamps with integral junction box (Lexan)  
Rear directional signals  
Dome light, cigar lighter  
Back-up light: traffic hazard switch  
Push button starting switch
STANDARD EQUIPMENT (Continued)

ENGINE
International VS-478 gasoline V8
Net BHP: 209 @ 3400 RPM
Net torque: 384 lb-ft @ 2200 RPM
477.2 cu. in. displ.; 7.6 to 1 compr. ratio
Oil bath air cleaner: full flow oil filter
Dual horizontal muffler and tail pipes
Radiator shutters & in-tank fuel pump
Exhaust emission control

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

FRAME
Heat treated straight alloy steel channel, 110,000 PSI
148" WB:
9-1/16 x 3-17/32 x 9/32"; section modulus: 11.63
resisting bending moment: 1,279,300 in-lbs
166, 184" WB:
9-1/16 x 3-17/32 x 9/32" with 8-9/16 x 3-3/4 x 1/4"
full length heat treated inverted L-type frame reinforcement
Combined section modulus: 19.41
Combined resisting bending moment: 2,135,100 in-lbs

OPTIONAL EQUIPMENT

AXLE, FRONT
FA-309 9,000-lb capacity center tread (air brakes)
FA-329 10,800-lb capacity center tread
FA-339 12,000-lb capacity center tread
FA-231 16,000-lb capacity center point
FA-232 18,000-lb capacity

AXLE, REAR
RA-302 34,000-lb single-speed with 50" beams
RA-303 34,000-lb two-speed with 50" beams
RA-306 34,000-lb 3-speed with 50" beams
 INCLUDED (front wheel speedometer drive)
RA-328 34,000-lb single-speed with 50" beams
RA-333 38,000-lb single-speed with 50" beams
RA-365 38,000-lb single-speed with 50" beams
RA-339 44,000-lb single-speed with 52" beams
RA-446 44,000-lb single-speed with 52" beams

BRAKES, PARKING
DCM 12 x 5" drum type: lining area: 137.6 sq. in.

BRAKES, SERVICE (HYDRAULIC)
15 x 7" rear
Low vacuum warning light

BRAKES, SERVICE (AIR)
Dual air brake system w/12 cu. ft. compressor and antilock feature (for straight truck applications)
Dual air brake system w/12 cu. ft. compressor and antilock feature (for tractor applications)
Includes:
9'/2" hoses & light cable
7-way trailer socket, breakaway valve
Hand control valve
15 x 3'/2" ftr cam brake for FA-101
15 x 4" ftr cam brake for FA-309, 329
16'/2 x 5" ftr cam brake for FA-339
15 x 6" ftr wedge brake for FA-231
17 x 6" ftr wedge brake for FA-232

BRAKES, SERVICE (AIR) (Cont'd.)
16'/2 x 7" rear cam brake w/MGM parking brake chambers
16'/2 x 7" rear cam brake w/anchor-lok parking brake chambers
Hand control valve for straight truck
Auxiliary glad hand w/conn. at reservoir
Hose tender
Alcohol evaporator
12'/6" hoses & light cable in lieu of 9'/2"
14" hoses & light cable in lieu of 9'/2"
BW DV-2 drain valve

CAB
Constructor front end
Consists of:
Vertical grille & fiberglass hood and fenders
Bolt on ftr frame extension
Sweep back ftr bumper
Heavy duty towing pin
Provides 102.6" B.B.C.
Two tone custom paint schematics
Steel butterfly hood and fenders
Bostrom Viking T-bar driver's seat
Mclnerney driver's seat
National Cush-N-Aire driver's seat
Full width sponge rubber seat and back
Omit passenger seat
Tinted glass
Sliding rear window
King size rear view mirrors (aluminum or steel)
Inside rear view mirror
Extension type rear view mirror; passenger side
Omit rear view mirror
Solid cab rear mount
Air conditioner
Steel hauler cab
GROSS VEHICLE WEIGHT RATINGS: (GVWR)

<table>
<thead>
<tr>
<th></th>
<th>STANDARD GVWR</th>
<th>GVWR</th>
<th>MAXIMUM GVWR w/ADVERTISED OPTIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>37,500</td>
<td>41,320</td>
<td>49,560</td>
</tr>
<tr>
<td>FRONT AXLE</td>
<td></td>
<td>------</td>
<td>-----------------------------------</td>
</tr>
<tr>
<td>Spring</td>
<td>FA-109</td>
<td>9,000</td>
<td>FA-139</td>
</tr>
<tr>
<td></td>
<td>03699</td>
<td>7,500</td>
<td>12,000</td>
</tr>
<tr>
<td></td>
<td>9.00 x 20-10 PR</td>
<td>7,500</td>
<td>9.220</td>
</tr>
<tr>
<td></td>
<td>9.00 x 20-10 PR</td>
<td>9,000</td>
<td>9.220</td>
</tr>
<tr>
<td></td>
<td>10.00 x 20-14 PR</td>
<td>9,000</td>
<td>11,940</td>
</tr>
<tr>
<td></td>
<td>FRT-GAWR</td>
<td>7,500</td>
<td></td>
</tr>
<tr>
<td>REAR AXLE</td>
<td>RA-341</td>
<td>30,000</td>
<td>RA-341</td>
</tr>
<tr>
<td></td>
<td>RA-341</td>
<td>30,000</td>
<td>RA-355</td>
</tr>
<tr>
<td></td>
<td>9.00 x 20-10 PR</td>
<td>32,520</td>
<td>38,000</td>
</tr>
<tr>
<td></td>
<td>9.00 x 20-10 PR</td>
<td>32,520</td>
<td>38,000</td>
</tr>
<tr>
<td></td>
<td>10.00 x 20-14 PR</td>
<td>38,000</td>
<td>42,400</td>
</tr>
<tr>
<td></td>
<td>RR-GAWR</td>
<td>32,520</td>
<td></td>
</tr>
</tbody>
</table>

* 7.50V Rim
** 12.25" 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 of calculating specific GVWR’s. Where higher GVWR’s are required larger components must be specified.

STANDARD EQUIPMENT

AXLE, FRONT
FA-109, 9,000-lb. capacity center-tread.
Heat-treated forged steel I-beam

AXLE, REAR
RA-341 30,000-lb capacity, tandem thru drive, hypoid gear single reduction
One-piece forged steel housings
Full-floating, induction hardened shafts
Inter-axle power divider, electrically operated
Ratios: 6.50, 7.17, 7.80

BRAKE, PARKING
DCM 12x4" drum type, at rear of transmission
Orscheln hand control lever
Total lining area 110.3 sq. inches

BRAKES, SERVICE
Hydraulic, with vacuum power assist
Self-energizing; double wheel cylinders
12½" diameter power cylinder
Vacuum reserve tank with gauge
Lining size: 15 x 3" front, 15 x 6" rear
Total lining area: 955.4 sq. inches

CAB
All steel cab with forward-tilting one-piece reinforced fiberglass hood and front fenders
Individual driver and passenger seats, fully adjustable foam rubber construction
Seat belts
Heavy-duty black rubber floor mat
Dual padded sun visors; dual arm rests
Glove box, right side of dash
Fuse panel in glove box
Magnetic tachometer, speedometer, voltmeter
Oil pressure, fuel and water temperature gauges
Locking type hand throttle
Electric, two-speed windshield wipers with single-motor, non-globe arms; electric windshield washers
Outside extension type rear view mirror, left side
Safety type door latches and hinges
Door locks, both doors
Cab grab handles
Fresh air heater and defroster

CLUTCH
14-inch 15-spring single plate mechanical control; vibration damper

COOLING SYSTEM
57.3 quart capacity
3-piece bolted radiator with de-aeration system, 775 square inch frontal area
Permanent anti-freeze: -20°F
Modulated fan
Radiator sightglass

DRIVE LINE
Mechanics 7-C U-joints
Inter-axle: Mechanics 6-C joints

ELECTRICAL
12-volt 55-amp alternator
Dual 6-volt 150-amp-hr batteries
Front directional signals; with side reflectors and lamps
Two front clearance and three identification lamps
Dual stop and tail lamps
Rear directional signals
Dome light; cigar lighter
Back-up light; traffic hazard switch
Push button starting switch

ENGINE
International DI 550B Diesel V-8
Gross BHP 180 @ 3,000 RPM
Gross torque: 372 lb.-ft. @ 1,600 RPM
550 cu. in. displ.; 17 to 1 comp. ratio
Oil bath and dry type air cleaner; full flow oil filter
Horizontal muffler and vertical tail pipe
with aluminized exhaust pipe

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

FRAME
Heat treated straight steel channel

136, 148" WB:
9½x3½%" ; section modulus: 11.63
resisting bending moment: 1,279,300 in-lbs
166, 184" WB:
9½x3½%" with 9½x3¼x½" full length heat treated inverted U-type frame reinforcement;
STANDARD EQUIPMENT (Continued)

FRAME (Continued)
- Combined section modulus: 19.41
- Combined resisting bending moment: 2,135,100 in-lbs

202” WB:
- 9%x3%xV/4” with 14%x3%xV/4” full-length heat treated deep channel reinforcement; combined section modulus: 32.65
- Combined resisting bending moment: 3,591,500 in-lbs

Heavy-duty formed steel channel front bumper

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

STEERING
- S-44 steering gear with jointed column
- 21” diameter steering wheel

SUSPENSION, FRONT
4x48” semi-elliptic steel leaf springs
- Spring capacities tailored to axle load

SUSPENSION, REAR
Walking-beam suspension—spring capacities tailored to axle load
- 4x34” semi-elliptic steel leaf springs
- 50” steel walking beams

TRANSMISSION
T-54 five speed, constant-mesh, direct:
- Ratios: 8.03, 4.61, 2.46, 1.41, 1.00; 8.00 rev.

WHEELS AND TIRES
- Single front and dual rear
- 9.00x20, 10 PR tires and tubes
- Cast spoke wheels with 7.00T rims

OPTIONAL EQUIPMENT

AXLE, FRONT
- FA-139 12,000-lb with 15 x 3½” hydraulic or 15 x 3½” wedge air brakes
- FA-136 16,000-lb with 15 x 5” wedge air brakes

AXLE, REAR (Continued)
- RA-302 34,000-lb single speed tandem drive with 50” beams and 15 x 6”, 15 x 7” hydraulic, 16½ x 6”, 16½ x 7” S-cam air brakes
- RA-323 34,000-lb two-speed tandem drive with 50” beams, full air shift and 15 x 6”, 15 x 7” wedge or 16½ x 6”, 16½ x 7” S-cam air brakes
- RA-302 34,000-lb single speed tandem drive with spiral bevel gears, 50” beams, full air shift and 15 x 6”, 15 x 7” wedge or 16½ x 6”, 16½ x 7” S-cam air brakes (includes front wheel speedometer drive)
- RA-315 34,000-lb single-speed tandem drive with 50” beams and 15 x 6”, 15 x 7” hydraulic; 16½ x 6”, 16½ x 7” S-cam air brakes
- RA-355 38,000-lb single-speed tandem drive with 50” beams and 15 x 6”, 15 x 7” wedge or 16½ x 6”, 16½ x 7” S-cam air brakes
- RA-386 34,000-lb single-speed, wide track tandem drive, with 50” beams and 15 x 6” or 15 x 7” wedge air brakes (for use with flotation tires only)
- RA-387 38,000-lb single-speed, wide track tandem drive, with 50” beams and 15 x 6” or 15 x 7” wedge air brakes (for use with flotation tires only)

AXLE, REAR (Continued)
- RA-302 34,000-lb single speed tandem drive with 50” beams and 15 x 6”, 15 x 7” hydraulic; 16½ x 6”, 16½ x 7” S-cam air brakes
- RA-351 34,000-lb single-speed tandem drive with 50” beams and 15 x 6”, 15 x 7” hydraulic; 16½ x 6”, 16½ x 7” S-cam air brakes
- RA-355 38,000-lb single-speed tandem drive with 50” beams and 15 x 6”, 15 x 7” wedge or 16½ x 6”, 16½ x 7” S-cam air brakes
- RA-386 34,000-lb single-speed, wide track tandem drive, with 50” beams and 15 x 6” or 15 x 7” wedge air brakes (for use with flotation tires only)
- RA-387 38,000-lb single-speed, wide track tandem drive, with 50” beams and 15 x 6” or 15 x 7” wedge air brakes (for use with flotation tires only)

AXLE, REAR (Continued)
- RA-302 34,000-lb single speed tandem drive with 50” beams and 15 x 6”, 15 x 7” hydraulic; 16½ x 6”, 16½ x 7” S-cam air brakes
- RA-351 34,000-lb single-speed tandem drive with 50” beams and 15 x 6”, 15 x 7” hydraulic; 16½ x 6”, 16½ x 7” S-cam air brakes
- RA-355 38,000-lb single-speed tandem drive with 50” beams and 15 x 6”, 15 x 7” wedge or 16½ x 6”, 16½ x 7” S-cam air brakes
- RA-386 34,000-lb single-speed, wide track tandem drive, with 50” beams and 15 x 6” or 15 x 7” wedge air brakes (for use with flotation tires only)
- RA-387 38,000-lb single-speed, wide track tandem drive, with 50” beams and 15 x 6” or 15 x 7” wedge air brakes (for use with flotation tires only)

BRACKES, PARKING
DCM 12 x 5” drum type; lining area 137.6 sq. inches
- Piggy-back mounted spring-actuated, on air brake chassis only
- Extra 462 cu. in. air tank to release spring-loaded brake

BRACKES, SERVICE (HYDRAULIC)
- 15 x 3½” for FA-119
- 15 x 5” for RA-302, RA-351
- 15 x 7” for RA-302, RA-351
- Omit front brakes

BRACKES, SERVICE (AIR)
- Air brakes with 7½ cu. ft. compressor, dual reservoirs.
- 2400 cu. in. total capacity, pressure gauge, low pressure warning buzzer and air operated windshield wipers (single motor)
- Omit front air brakes
- 15 x 3½” wedge for FA-119
- 15 x 5” wedge for FA-136
- 16½ x 6” S-cam for RA-302, RA-303, RA-306, RA-341, RA-351, RA-355
- 16½ x 7” S-cam for RA-302, RA-303, RA-306, RA-351, RA-386
- 15 x 6” wedge for RA-302, RA-303, RA-306, RA-351, RA-386, RA-387
OPTIONAL EQUIPMENT (Continued)

ER'KES, SERVICE (AIR) (Continued)

12 cu. ft. compressor
Front wheel limiting valve; DV-2 Sludge remover
Air supply valve with 25 ft. hose
Hand control for chassis air brakes
Low air pressure indicator, wig-wag
Omit front brakes
Auxiliary Gladhand with connection at reservoir
Semi-trailer connections with breakaway and hand control valve

CAB
Steel butterfly hood and fenders
Bostrom Viking T-bar driver's seat
Full width sponge rubber seat and back
Omit passenger seat
Tinted glass
Sliding rear window
King size rear view mirrors
Inside rear view mirror
Extension type rear view mirror; passenger side
Omit rear view mirror
Solid cab rear mount
Air conditioner
Padded instrument panel
National Cush-N-Aire driver's seat
Steel-hauler cab

CLUTCH
14-inch 15-spring single plate with HD lining
13-inch 2-plate

COOLING SYSTEM
Automatic radiator shutters

DRIVELINE
Mechanics 8-C U-joints with 7-C inter-axle

ELECTRICAL SYSTEM
62-amp alternator
Dual 6-volt, 208 amp-hr batteries
Four 6-volt 208 amp-hr batteries (includes hi-output starting motor)
Dual electric or air horns
Back-of-cab mounted reflectors
Fender mounted parking lights
Radio and antenna
Heavy-duty centrifugal speedometer
Recording tachographs; MPH, RPM, 24-hour or Multiday
Centrifugal or electrical tachometer
Four 6-volt 150 amp-hr batteries with hi-output starting motor
Six or seven way trailer lighting socket or socket and cable
Separate switch for trailer lights

ENGINE (Continued)
IH Fleet Guard oil filter
Air cleaner restriction indicator
IH Fleetguard water filter (corrosion resistor)

FRAME
Full-length U-channel frame reinforcement
Inverted L-Type full length heat treated frame reinforcement
Full-length heat treated deep channel frame reinforcement
Underslung tire carrier
Two rear tow hooks
Rear tow loop
Two front tow loops
Flat-face bumper (for 90° B.B.C.)
Frame with integral 18° front extension and front U-channel reinforcement with sweepback front bumper
Fifth wheel mounting angle iron

FUEL TANKS
63-gallon steel, left, right or dual center step safety
50-gallon steel, dual center step safety
50-gallon aluminum, left, right or dual center step safety

STEERING
Power steering, single gear
Power steering, dual gear (FA-136, 139)

SUSPENSION
Front shock absorbers
Rubber-load cushion rear suspension, with aluminum spring saddles
Aluminum walking beams
Air Bag
38,000-lb steel leaf spring
Steel backed bronze bushings for equalizer beams

TRANSMISSION
T-57 (5W43D) 5-speed direct; 1.17 fourth gear
T-68 (5652) 5-speed direct; 1.45 fourth gear
T-68 (5752-C) 5-speed direct; 1.18 fourth gear
T-204 (6352-B) 5-speed direct; 1.61 fourth gear
T-223 (6352) 5-speed direct; 1.44 fourth gear
T-298 (6852-G) 5-speed direct; 1.17 fourth gear
T-401 (5CW-62) 5-speed direct; 1.16 fourth gear
T-401 (5CW-62) 5-speed direct; 1.37 fourth gear
T-401 (5CW-62) 5-speed direct; 1.57 fourth gear
T-411 (5CW-65-GT) 5-speed direct; 1.16 fourth gear
T-412 (5CW-65-MT) 5-speed direct; 1.37 fourth gear
T-413 (5CW-65-HT) 5-speed direct; 1.57 fourth gear
T-415 (5CW-65) 5-speed, 1.69 fourth gear
T-448 10-speed RT-610 Roadranger
MT series 6-speed automatic
AT-522 (7231-A or B) 3-speed auxiliary
AT-523 (7231-A, B or D) 3-speed auxiliary
AT-530 (3A-65K) 3-speed auxiliary
AT-536 (7041) 4-speed auxiliary
AT-540 (8031-C or P) 3-speed auxiliary
AT-546 (7341-C) 4-speed auxiliary
AT-556 (4E-75-F) 4-speed auxiliary
P.T.O. for AT-556

WHEELS AND TIRES
Optional tire sizes as shown on next page
16-stud steel disc wheels
IH front and/or rear wheel seals
DIMENSIONS and WEIGHTS

**DIMENSIONS COMMON TO ALL WHEELBASES, WITH 9.00x20 TIRES**

- Overall Width: 95.5" at Front Fenders
- Overall Height: 96.3" at Top of Cab
- 9.2" at Rear Axle
- Frame Height at Rear Axle: 39.2" Empty
  - 38.0" Loaded

<table>
<thead>
<tr>
<th>WB</th>
<th>Front</th>
<th>Rear</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>136&quot;</td>
<td>5,245</td>
<td>6,040</td>
<td>11,200</td>
</tr>
<tr>
<td>148&quot;</td>
<td>5,295</td>
<td>6,340</td>
<td>11,635</td>
</tr>
<tr>
<td>166&quot;</td>
<td>6,430</td>
<td>11,770</td>
<td></td>
</tr>
<tr>
<td>184&quot;</td>
<td>5,480</td>
<td>12,010</td>
<td></td>
</tr>
<tr>
<td>202&quot;</td>
<td>5,745</td>
<td>12,555</td>
<td></td>
</tr>
</tbody>
</table>

**DIMENSIONS**

- CA: 72°
- CF: 126°
- OAL: 216°

**TURNING RADIUS**

- To Centerline of Tire:
  - 22 ft. 7 in.
  - 24 ft. 3 in.
  - 26 ft. 11 in.
  - 29 ft. 6 in.
  - 32 ft. 1 in.
- With Bumper Clearance:
  - 23 ft. 11 in.
  - 25 ft. 7 in.
  - 28 ft. 3 in.
  - 30 ft. 10 in.
  - 33 ft. 5 in.

**CAST WHEELS**

<table>
<thead>
<tr>
<th>Tire Size</th>
<th>9.00x20</th>
<th>10.00x20</th>
<th>10.00x21</th>
<th>10.00x22</th>
<th>11.00x20</th>
<th>11.00x22</th>
<th>12.00x22</th>
<th>12.00x23</th>
<th>15.00x20</th>
<th>15.00x22</th>
<th>15.00x23</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rim Size</td>
<td>7.00x17</td>
<td>7.00x17</td>
<td>7.50x17</td>
<td>7.50x17</td>
<td>7.50x17</td>
<td>7.50x17</td>
<td>7.50x17</td>
<td>7.50x17</td>
<td>8.00x17</td>
<td>8.00x17</td>
<td>8.00x17</td>
</tr>
<tr>
<td>Outside Width OW</td>
<td>97.5&quot;</td>
<td>93.1&quot;</td>
<td>95.5&quot;</td>
<td>94.5&quot;</td>
<td>94.5&quot;</td>
<td>94.5&quot;</td>
<td>94.5&quot;</td>
<td>94.5&quot;</td>
<td>94.5&quot;</td>
<td>94.5&quot;</td>
<td>94.5&quot;</td>
</tr>
<tr>
<td>Tread Width OW</td>
<td>72.5&quot;</td>
<td>71.0&quot;</td>
<td>71.0&quot;</td>
<td>71.0&quot;</td>
<td>71.0&quot;</td>
<td>71.0&quot;</td>
<td>71.0&quot;</td>
<td>71.0&quot;</td>
<td>71.0&quot;</td>
<td>71.0&quot;</td>
<td>71.0&quot;</td>
</tr>
<tr>
<td>Inside Width OW</td>
<td>48.3&quot;</td>
<td>48.3&quot;</td>
<td>47.5&quot;</td>
<td>47.5&quot;</td>
<td>47.2&quot;</td>
<td>47.2&quot;</td>
<td>47.2&quot;</td>
<td>47.2&quot;</td>
<td>47.2&quot;</td>
<td>47.2&quot;</td>
<td>47.2&quot;</td>
</tr>
<tr>
<td>Chain Clearance</td>
<td>3.5&quot;</td>
<td>2.0&quot;</td>
<td>2.0&quot;</td>
<td>2.0&quot;</td>
<td>2.0&quot;</td>
<td>2.0&quot;</td>
<td>2.0&quot;</td>
<td>2.0&quot;</td>
<td>2.0&quot;</td>
<td>2.0&quot;</td>
<td>2.0&quot;</td>
</tr>
<tr>
<td>Front Treads</td>
<td>80.1&quot;</td>
<td>80.1&quot;</td>
<td>79.5&quot;</td>
<td>79.5&quot;</td>
<td>79.4&quot;</td>
<td>79.4&quot;</td>
<td>79.4&quot;</td>
<td>79.4&quot;</td>
<td>79.4&quot;</td>
<td>79.4&quot;</td>
<td>79.4&quot;</td>
</tr>
</tbody>
</table>

**DISC WHEELS**

<table>
<thead>
<tr>
<th>Tire Size</th>
<th>9.00x20</th>
<th>10.00x20</th>
<th>10.00x21</th>
<th>10.00x22</th>
<th>11.00x20</th>
<th>11.00x22</th>
<th>12.00x22</th>
<th>12.00x23</th>
<th>15.00x20</th>
<th>15.00x22</th>
<th>15.00x23</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rim Size</td>
<td>7.00x17</td>
<td>7.00x17</td>
<td>7.50x17</td>
<td>7.50x17</td>
<td>7.50x17</td>
<td>7.50x17</td>
<td>7.50x17</td>
<td>7.50x17</td>
<td>8.00x17</td>
<td>8.00x17</td>
<td>8.00x17</td>
</tr>
<tr>
<td>Outside Width OW</td>
<td>97.5&quot;</td>
<td>93.1&quot;</td>
<td>95.5&quot;</td>
<td>94.5&quot;</td>
<td>94.5&quot;</td>
<td>94.5&quot;</td>
<td>94.5&quot;</td>
<td>94.5&quot;</td>
<td>94.5&quot;</td>
<td>94.5&quot;</td>
<td>94.5&quot;</td>
</tr>
<tr>
<td>Tread Width OW</td>
<td>72.5&quot;</td>
<td>71.0&quot;</td>
<td>71.0&quot;</td>
<td>71.0&quot;</td>
<td>71.0&quot;</td>
<td>71.0&quot;</td>
<td>71.0&quot;</td>
<td>71.0&quot;</td>
<td>71.0&quot;</td>
<td>71.0&quot;</td>
<td>71.0&quot;</td>
</tr>
<tr>
<td>Inside Width OW</td>
<td>48.3&quot;</td>
<td>48.3&quot;</td>
<td>47.5&quot;</td>
<td>47.5&quot;</td>
<td>47.2&quot;</td>
<td>47.2&quot;</td>
<td>47.2&quot;</td>
<td>47.2&quot;</td>
<td>47.2&quot;</td>
<td>47.2&quot;</td>
<td>47.2&quot;</td>
</tr>
<tr>
<td>Chain Clearance</td>
<td>3.5&quot;</td>
<td>2.0&quot;</td>
<td>2.0&quot;</td>
<td>2.0&quot;</td>
<td>2.0&quot;</td>
<td>2.0&quot;</td>
<td>2.0&quot;</td>
<td>2.0&quot;</td>
<td>2.0&quot;</td>
<td>2.0&quot;</td>
<td>2.0&quot;</td>
</tr>
<tr>
<td>Front Treads</td>
<td>80.1&quot;</td>
<td>80.1&quot;</td>
<td>79.5&quot;</td>
<td>79.5&quot;</td>
<td>79.4&quot;</td>
<td>79.4&quot;</td>
<td>79.4&quot;</td>
<td>79.4&quot;</td>
<td>79.4&quot;</td>
<td>79.4&quot;</td>
<td>79.4&quot;</td>
</tr>
</tbody>
</table>

*With cab, standard equipment, fuel, oil and water. Estimated pre-production weights.

In order that product improvements may be introduced at any time, specifications are subject to change without notice.
### INTERNATIONAL FLEETSTAR® F-2050A

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>GVWR</th>
<th>GVWR</th>
<th>MAXIMUM GVWR w/ADVERTISED OPTIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>41,320</td>
<td>44,800</td>
<td>49,560</td>
<td>54,000</td>
</tr>
<tr>
<td>FRONT AXLE</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Spring</td>
<td>FA-109</td>
<td>FA-329</td>
<td>FA-339</td>
<td>FA-231</td>
</tr>
<tr>
<td>x/Axle</td>
<td>9,000</td>
<td>10,800</td>
<td>12,000</td>
<td>16,000</td>
</tr>
<tr>
<td>Tire</td>
<td>9.00 x 20–10 PR 9,220</td>
<td>10.00 x 20–12 PR 10,860</td>
<td>10.00 x 20–14 PR* 11,560</td>
<td>15-22.5–16 PR** 16,920</td>
</tr>
<tr>
<td>FRT-GAWR</td>
<td>9,000</td>
<td>10,800</td>
<td>11,560</td>
<td>16,000</td>
</tr>
<tr>
<td>REAR AXLE</td>
<td>RA-351</td>
<td>RA-351</td>
<td>RA-365</td>
<td>RA-365</td>
</tr>
<tr>
<td>Spring</td>
<td>Standard</td>
<td>Standard</td>
<td>w/Axle</td>
<td>w/Axle</td>
</tr>
<tr>
<td>Tire</td>
<td>9.00 x 20–10 PR 32,320</td>
<td>10.00 x 20–12 PR 38,080</td>
<td>10.00 x 20–14 PR* 42,400</td>
<td>10.00 x 20–12 PR* 38,080</td>
</tr>
<tr>
<td>RR-GAWR</td>
<td>32,320</td>
<td>38,080</td>
<td>38,080</td>
<td>38,080</td>
</tr>
</tbody>
</table>

*7.50V Rim
***12.25" 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 26, for library of component ratings and methods of calculating specific GVWR's. Where higher GVWR's are required, larger components must be specified.

### STANDARD EQUIPMENT

#### AXLE, FRONT
- FA-109, 9,000-lb capacity center-tread
- Heat-treated forged steel I-beam

#### AXLE, REAR
- RA-351 34,000-lb capacity, single speed tandem drive, w/50" beams

#### BRAKES, PARKING
- DCM 12x14" drum type, at rear of transmission
- Orscheln hand control lever
- Total lining area: 110.3 sq. inches

#### BRAKES, SERVICE
- Hydraulic, with vacuum power assist
- Self-energizing; double wheel cylinders
- 12¾" diameter power cylinder
- Vacuum reserve tank with gauge
- Front: 15x3"
- Rear: 15x6"
- Total lining area: 955.4 sq. inches

#### CAB
- All steel cab with forward-tilting one-piece reinforced fiberglass hood and front fenders
- Individual driver and passenger seats, fully adjustable foam rubber construction
- Seat belts
- Heavy-duty black rubber floor mat w/jute backing
- Dual padded sun visors; dual arm rests
- Glove box, right side of dash
- Fuse panel in glove box
- Magnetic tachometer, speedometer, voltmeter
- Oil pressure, fuel and water temperature gauges and throttle
- Electric, two-speed windshield wipers with single motor, non-glide arms; electric windshield washers
- Outside extension type rear view mirror, left side
- Safety type door latches and hinges
- Door locks, both doors

#### CAB (Cont’d.)
- Cab grab handles
- Fresh air heater and defroster
- Illuminated identification of controls
- Hardboard headliner

#### CLUTCH
- 14-inch 15-spring single plate mechanical control; vibration damper

#### COOLING SYSTEM
- 57.3 quart capacity
- Bolted radiator with de-aeration system, 775 square inch frontal area
- Permanent anti-freeze: -20° F
- Moculated fan
- Radiator sightglass

#### DRIVE LINE
- Mechanics M-C U-joints
- Inter-axle: Mechanics 6-C joints

#### ELECTRICAL
- 12-volt 65-amp alternator (27SI)
- Dual 6-volt 150-amp-hr batteries
- Front directional signals; with side reflectors and lamps
- Two front clearance and three identification lamps
- Dual stop, tail, turn and backup lamps w/integral junction box (Lexan)
- Rear directional signals
- Dome light; cigar lighter
- Back-up light: traffic hazard switch
- Push button starting switch

#### ENGINE
- International D-170 Diesel V-8
- Gross BHP: 170 @ 3,000 RPM
- 549 cu. in., displ.: 17 to 1 compr. ratio
- Dry type air cleaner; full flow oil filter
- Horizontal muffler and vertical tail pipe
STANDARD EQUIPMENT (Continued)

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

FRAME
Heat treated straight alloy steel channel 110,000 PSI
148" WB:
- 9-1/16x3-17/32x9/32"; section modulus: 11.63
- resisting bending moment: 1,279,300 in-lbs
165, 184" WB:
- 9-1/16x3-17/32x9/32" with 8-9/16x3-3/4x1/4" full length heat treated inverted L-type frame reinforcement; combined section modulus: 19.41
- Combined resisting bending moment: 2,135,100 in-lbs
202" WB:
- 9-1/16x3-17/32x9/32" with 14-1/2x3-3/4x1/4" full-length heat treated deep channel reinforcement; combined section modulus: 32.65
- Combined resisting bending moment: 3,591,500 in-lbs

Heavy-duty formed steel channel front bumper

FUEL TANK (Nominal Capacity)
50-gallon steel center-step safety, left side

STEERING
S-44 steering gear with jointed column
21" diameter steering wheel

SUSPENSION, FRONT
4x40" 9,000-lb capacity semi-elliptic steel leaf springs

SUSPENSION, REAR
Walking-beam suspension—spring capacities tailored to axle load
4x34" semi-elliptic steel leaf springs
50" steel walking beams

TRANSMISSION
T-68 five speed, synchronized, direct

WHEELS AND TIRES
Single front and dual rear
9.00x20, 10 PR tires and tubes
Cast spoke wheels with 7.00LB rims

OPTIONAL EQUIPMENT

AXLE, FRONT
FA-309 9,000-lb capacity, center tread
FA-329 10,500-lb capacity, center tread
FA-339 12,000-lb capacity, center tread
FA-231 16,000-lb capacity, center point
FA 232 18,000-lb capacity

AXLE, REAR
RA-302 34,000-lb single speed tandem drive with 50" beams
RA-303 34,000-lb two-speed tandem drive with 50" beams
 RA-306 34,000-lb 3-speed tandem drive with 50" beams
 (includes front wheel speed-drive)
RA-328 34,000-lb single-speed with 50" beams
RA-333 38,000-lb single-speed tandem drive with 50" beams
RA-355 38,000-lb single-speed tandem drive with 50" beams
RA-399 44,000-lb single-speed with 62" beams
RA-446 44,000-lb single-speed with 62" beams

BRAKES, PARKING
DCM 12 x 5" drum type: lining area 137.6 sq. inches

BRAKES, SERVICE (HYDRAULIC)
15x7" Rear
Low vacuum warning light

BRAKES, SERVICE (AIR)
Dual air brake system w/12 cu. ft. compressor and antilock feature (for straight truck applications)

Includes:
- 9/2" hoses & 10" lighting cable
- 7 way trailer socket, breakaway valve
- Hand control valve
- 15x3/4" f/r tcam brake (for FA-101)
- 15x4" f/r tcam brake (for FA-309, 329)
- 16x5/8" f/r tcam brake (for FA-339)
- 15x6" f/r wedge brake (for FA-231)
- 17x6" f/r wedge brake (for FA-232)
- 16x7" rear cam brake w/MGM parking brake chambers
- 16x7" rear cam brake w/anchor-lok parking brake chambers
- Hand control valve for straight truck
- Auxiliary glad hand w/conn. at reservoir

BRAKES SERVICE (AIR) (Cont'd.)
- Hose tender
- Alcohol evaporator
- 12'6" hoses & light cable in lieu of 9'2"
- 14' hoses & light cable in lieu of 9'2"
- BW DV-2 drain valve

CAB
Constructor front end
Consists of:
- Vertical grille & fiberglass hood and fenders
- Bolt on f/r frame extension
- Swept back f/r bumper
- Heavy duty towing pin
- Provides 102.6" B.B.C.
- Two tone custom paint schematics
- Steel butterfly hood and fenders
- Bostrom Viking T-bar driver’s seat
- National Cush-N-Aire driver’s seat
- McInerney driver’s seat
- Full width sponge rubber seat and back
- Omit passenger seat
- Tinted glass
- Sliding rear window
- King size rear view mirrors (aluminum or steel)
- Inside rear view mirror
- Extension type rear view mirror; passenger side
- Solid cab rear mount
- Air conditioner
- Steel-hauler cab
- Custom interior trim package includes:
  - Black instrument panel pad
  - Woodgrain instrument panel trim, headliner and back panel
  - Vinyl door trim and upholstery

CLUTCH
13-inch 2-plate
14-inch 15-spring single plate with HD lining

DRIVELINE
Oversize driveline
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>GVWR w/ADVERTISED OPTIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>43,000</td>
<td>55,560</td>
</tr>
<tr>
<td>FRONT AXLE</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Spring w/Axle</td>
<td>9,000</td>
<td>12,000</td>
</tr>
<tr>
<td>Tire</td>
<td>10.00 x 20-12 PR 10,800</td>
<td>11.560 11.00 x 22-14 PR 11,560</td>
</tr>
<tr>
<td>RR-GAWR</td>
<td>9,000</td>
<td></td>
</tr>
<tr>
<td>REAR AXLE</td>
<td>34,000</td>
<td>38,000</td>
</tr>
<tr>
<td>Spring Standard</td>
<td>34,000</td>
<td>38,000</td>
</tr>
<tr>
<td>Tire</td>
<td>10.00 x 20-12 PR 36,000</td>
<td>40,560 11.00 x 22-14 PR 46,240</td>
</tr>
<tr>
<td>HH-GAWR</td>
<td>34,000</td>
<td>38,000</td>
</tr>
</tbody>
</table>

MAXIMUM GROSS COMBINATION WEIGHT ...

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.

STANDARD EQUIPMENT

AXLE, FRONT
FA-309 9,000-lb capacity—wide tread
Heat-treated forged-steel I-beam
AXLE, REAR
RA-351 34,000-lb capacity tandem thru-drive
Hypoid-gear single-reduction
One-piece forged-steel housing
Full floating, induction hardened shafts
Inter-axle power-divider, with air-operated lock

BRAKES
Piggy-back parking brake
Total lining area: sq. in.
Dual air brake system with antilock feature and 12 cu. ft. BW gear driven compressor.
Front brake 15x4 cam type w/20” chambers
Rear brake 16½x7 S-cam type
Total lining area: 1160 sq. in.

CAB (Cont’d.)
Glove box, right side of dash
Fuse panel in glove box
.Dispatch tray in dog house
Tachometer, voltmeter, oil, air pressure, fuel and temperature gauges
Hand throttle
Illuminated identification of controls
Air-operated windshield wipers
Electrical windshield washers
Dual king-size rear view mirrors
Door locks, both doors; Cab grab handles
Fresh air heater and defroster
Coat hook

COOLING SYSTEM
48-quart capacity
Bolted radiator with de-aeration system
Radiator frontal area: 873 sq. inches
Mechanical radiator shutters
Permanent type anti-freeze — 20° F
Radiator sight glass

ELECTRICAL SYSTEM
12-volt, 65-amp 27-S1 type alternator
Two 6-volt 99-plate, 208 amp-hr batteries
Front directional signals w/ side reflectors and lamps
Dome light; cigar lighter
Push button starting switch
Two front clearance and three identification lamps
Combination dual stop, tail lamps, back-up light and directional signals (Lexan)

ENGINE
Detroit 6-71N diesel six cylinder
Gross HP: 228 @ 2100 RPM
Gross Torque: 653 lb-ft @ 1400 RPM

FUEL TANK (Nominal Capacity)
50-gallon steel center-step safety, right side

STEERING
S-44 steering gear
21-inch steering wheel

SUSPENSION, FRONT
4 x 48” semi-elliptic steel leaf springs
STANDARD EQUIPMENT (Continued)

SUSPENSION, REAR
- 34,000-lb capacity walking beam suspension
- 4 x 34” steel springs
- 50” steel walking beams

TRANSMISSION
- T-129 (RT-910) 10-speed, twin countershaft Roadranger

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

OPTIONAL EQUIPMENT

AXLE, FRONT
- FA-329 10,800-lb capacity center tread
- FA-339 12,000-lb capacity center tread
- FA-231 16,000-lb capacity

AXLE, REAR
- RA-302 34,000-lb single-speed tandem
- RA-306 34,000-lb 3-speed tandem, with full airshift, 50” beams
- RA-329 34,000-lb single-speed, tandem 50” beams with full air shift
- RA-333 38,000-lb single-speed tandem, 50” beams with full air shift
- RA-355 38,000-lb single-speed tandem, 50” beams with full air shift
- RA-446 44,000-lb single-speed tandem, 52” beams with full air shift
- RA-399 44,000-lb single-speed tandem, 52” beams, with full air shift
- Automatic power divider lock

SUSPENSION, REAR
- RA-399 44,000-lb single-speed tandem,
- RA-399 44,000-lb single-speed tandem, 50” beams with full air shift
- RA-399 44,000-lb single-speed tandem, 52” beams, with full air shift
- Luberfiner 750C oil filter

ENGINE
- 6-71N Detroit diesel-210 HP
- NH-230 Cummins diesel-220 HP
- NTC-250 Cummins diesel-260 HP
- 3406 Caterpillar-280 HP
- Power Torque 270 Cummins-270 HP
- 3406 Caterpillar-325 HP
- IH Plugs and oil filter
- Luberfiner 750C oil filter

FUEL TANKS (Nominal Capacity)
- 63-gallon right and 35-gallon left steel center-step safety tanks
- 63-gallon right and 35-gallon left steel center-step safety tanks
- 63-gallon right and 35-gallon left steel center-step safety tanks
- 63-gallon right and 35-gallon left steel center-step safety tanks
- 107-gallon left and 63-gallon right steel center-step safety tanks
- Luberfiner 4-qt fuel filter

STEERING
- Power steering
- 22” padded steering wheel

SUSPENSION
- Front shock absorbers
- 10,800-lb front springs with FA-309
- 14,000-lb front springs with FA-339
- 34,000-lb heavy-duty severe service rear spring
- 34,000-lb steel extended leaf with 50” steel beams
- 34,000-lb rubber load cushion with aluminum spring saddles with 50” steel beams
- 38,000-lb steel spring with steel spring saddles and 50” beams
- 44,000-lb steel spring with steel spring saddles and 52” beams
- Dayton four spring suspension
- Aluminum 50” beams in lieu of 50” steel beams
- Bronze center bushing 50” steel beams

TRANSMISSION
- T-320 (6853-C) five-speed, 0.85 overdrive
- T-347 (T-905A) five-speed
- T-459 (RTOF-9513) 13-speed twin
- T-483 (T-955AL) 6-speed
- T-485 (T-955ALL) 7-speed
- T-452 (RT-9513) 13-speed
- T-471 (RT-9509) 9-speed
- AT-552 four-speed auxiliary

WHEELS AND TIRES
- Optional tire sizes as shown below
- 10-stud disc wheels
- Oil lubricated wheel bearings
- 7.50LW rims in lieu of std. 7.50LB
INTERNATIONAL TRUCKS—World’s Most Complete Line

INTERNATIONAL®
FLEETSTAR®
MODEL T-1900

Axle, Front:
FA-105. Rated capacity, 9,000 lb.
Heat-treated forged steel I-beam.

Axles, Rear:
International RA-57. Rated capacity, 23,000 lb.
Ratios: 4.1, 4.44, 4.78, 5.38, 5.67 or 7.17 to 1.
Single reduction, full-floating.
Hypoid, straddle-mounted pinion, 18-in. ring gear.
Induction-hardened steel axle shafts.
Heat-treated steel housing, welded-on cover.
RA-418 pusher. Rated capacity, 16,000 lb.
Rubber load cushion suspension with aluminum saddles.

Brakes, Parking and Emergency:
Spring-actuated, released by air pressure.
Piggy-back mounted on drive axle brake chambers.
Lining area, 410.8 sq. in.

Brakes, Service, Air:
Front, 16 x 2½ in.; lining area, 151 cu. in.
Rear, 16½ x 6 in.; lining area, 821.8 cu. in.
Two shoes per wheel, double anchored.
7¾ cu.-ft. air compressor; air reservoir.
Low pressure warning buzzer.

Cab:
Fleetstar, all-steel and safety glass.
Fully-adjustable foam-rubber padded driver’s seat with shock absorber action. Ribbed vinyl upholstery.
Individual gauges covering all engine functions.

STANDARD EQUIPMENT

Cab (continued):
Identified fuses on panel inside map compartment.
Dual king size rear view mirrors.
Dual air-operated windshield wipers. Sun visor.
Door locks, safety latches and hold-open stops.
Dome light. Front corner lights.
Heavy-duty jute-backed floor mat. Headliner.

Clutch:
14-in. diameter, 15-spring, with air assist.
Single plate, dry disc, with vibration dampener.

Cooling System:
Coolant capacity, 40 qt.
Centrifugal pump, V-belt driven.
Fin and tube radiator. Large capsule thermostat.

Electrical System:
12-volt, with 37-amp. self-rectifying alternator.
78-plate, 70-amp.-hr. battery.
Solenoid-operated starting motor.
Sealed-beam headlights.
Double-face directional signals, front.

Engine:
International Red Diamond 406, 6-cylinder, gasoline.
Gross brake horsepower, 175 at 3,200 rpm.
Gross torque, 338 lb.-ft. at 1,700 rpm.
Bore, 4½ in.; stroke, 4½ in.; displacement, 406 cu. in.
Compression ratio, 6.5 to 1. Governor.
Oil capacity, 9 qt. Full-flow oil filter.

Dimensions that are the same for all WB with 9.00 x 20 tires (In.):
Front tread, 78.
Rear tread, 72.
Ground clearance: Front, 11.8 Rear, 8.1.
Overall width: Front, 94. Rear, 94.3.
INTERNATIONAL FLEETSTAR MODEL T-1900

Finish:
Sheet metal, rust-inhibited, painted any standard color.

Frame:
Heat-treated chrome-molybdenum steel channel.  
9 x 3½ x ½ in. Section modulus, 10.20.  
Resisting bending moment, 1,122,000 in.-lb.

Fuel System:
Diaphragm fuel pump, camshaft driven. Fuel filter.  
Downdraft carburetor. Oil-bath air cleaner.  
IH 50-gal. steel step tank mounted on left frame.

Hood:
Reinforced fiberglass, forward tilting.

Springs:
Semi-elliptic steel leaf. front, 3 x 48 in.  
Capacity, 4,500 lb. each.  
Rubber load cushions, rear. Weight distribution, 45:55.  
Total capacity, 34,000 lb.

OPTIONAL EQUIPMENT AT ADJUSTED COST

Axle, Front:  
FA-112. Capacity, 11,000 lb. With 16½ x 3½-in. brakes.  
FA-215. Capacity, 12,000 lb. Heavy-duty springs.

Axle, Rear Drive:  
RA-257. Double reduction. Capacity, 23,000 lb., with  
16½ x 6-in. brakes. Ratios: 5.89, 6.63, 7.39, 8.36 or 9.13 to 1.  
Aluminum walking beams.

Brakes, Service:  
12-cu.-ft. air compressor.  
Semi-trailer connections, trailer protection valve, hand control valve.  
Front wheel limiting valve.

Cabin:  
Inside overhead mirror.  
Bostrum Viking T-bar suspension driver's seat.  
Heater and defroster. Special lights.

Clutch:  
Heavy-duty, 14-in. diameter with ferramic facings.

Cooling System:  
Air-operated automatic radiator shutters.  
Increased capacity cooling.

Electrical System:  
Alternator, 55 or 62-amp.  
Dural 6-volt 150-amp.-hr. batteries.  
Rear directional signals. Traffic hazard switch.

Engine:  
Auxiliary 2-qt. absorption type by-pass oil filter.  
High altitude equipment.

Steering System:  
Variable ratio gear, aluminum housing, outboard mounted.  
Jointed steering column.  
Flat angle 20-in. diameter steering wheel.

Tires:  
9.00 x 20, 12-ply, with tubes; dual rear.

Transmission:  
T-51, five-speed, direct.  
Constant mesh helical gears, 3rd to 5th.  
Ratios: 8.03, 4.61, 2.46, 1.41 and 1.00 to 1.  
Reverse ratio, 8.00 to 1.  
Large power take-off opening, each side.

Wheels:  
Cast spoke, 7.00T rims.  
International lightweight 5-spoke, rear.

Engine (continued):  
International Red Diamond 450, 6-cylinder, gasoline.  
Gross brake horsepower, 182 at 3,000 rpm.  
Gross torque, 388 lb.-ft. at 1,600 rpm.  
International Red Diamond 501, 6-cylinder, gasoline.  
Gross brake horsepower, 212 at 3,000 rpm.  
Gross torque, 444 lb.-ft. at 1,600 rpm.  
Engine oil cooler.

Frame:  
Reinforcements, inverted L type.  
Two front tow hooks.  
Aluminum front bumper.

Fuel System:  
Aluminum 50-gal. step tank.  
Dual steel or aluminum 50-gal. step tanks.

Springs:  
Heavy-duty, for standard front axle.  
Front shock absorbers.

Steering:  
Semi-integral power steering.

Tires:  
Optional sizes, types and treads.

Transmission:  
T-50, five-speed, overdrive, .825 to 1.  
T-60, five-speed, overdrive, .776 to 1.  
T-62, five-speed, direct, 1.38 to 1 in 4th.  
T-63, five-speed, direct, 1.69 to 1 in 4th.  
T-70, heavy-duty five-speed, overdrive, .788 to 1.  
T-72, heavy-duty five-speed, direct, 1.38 to 1 in 4th.  
T-73, heavy-duty five-speed, direct, 1.69 to 1 in 4th.  
T-76, Roadranger, eight-speed, direct, two reverse.  
Transmission oil filter (standard with T-76).

Wheels:  
Disc. Aluminum five-spoke cast, rear.

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

INTERNATIONAL HARVESTER COMPANY  
180 N. MICHIGAN AVE. • CHICAGO 1, ILLINOIS
INTERNATIONAL HIERarchical MODEL T-2000-D

AXLE AND VEHICLE RATINGS (Lb.)

<table>
<thead>
<tr>
<th></th>
<th>FRONT</th>
<th>REAR</th>
<th>GVW</th>
<th>GCW</th>
</tr>
</thead>
<tbody>
<tr>
<td>9,000</td>
<td></td>
<td>23,000</td>
<td>43,000</td>
<td></td>
</tr>
<tr>
<td>11,000</td>
<td></td>
<td>16,000</td>
<td>45,000</td>
<td></td>
</tr>
<tr>
<td>12,000</td>
<td></td>
<td></td>
<td>49,000</td>
<td></td>
</tr>
</tbody>
</table>

CHASSIS DIMENSIONS (In.)

<table>
<thead>
<tr>
<th>WB</th>
<th>CA</th>
<th>AF</th>
<th>CF</th>
<th>OAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>150</td>
<td>84</td>
<td>54</td>
<td>138</td>
<td>229½</td>
</tr>
<tr>
<td>162</td>
<td>96</td>
<td>54</td>
<td>150</td>
<td>241½</td>
</tr>
<tr>
<td>168</td>
<td>102</td>
<td>78</td>
<td>180</td>
<td>271½</td>
</tr>
</tbody>
</table>

CHASSIS WEIGHTS (Lb.)

<table>
<thead>
<tr>
<th></th>
<th>FRONT</th>
<th>REAR</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>5,080</td>
<td>5,295</td>
<td>11,230</td>
</tr>
<tr>
<td>23,000</td>
<td>6,040</td>
<td>5,935</td>
<td>11,975</td>
</tr>
<tr>
<td>16,000</td>
<td>5,917</td>
<td>5,915</td>
<td>11,832</td>
</tr>
</tbody>
</table>

TURNING RADII

<table>
<thead>
<tr>
<th>Tire Center</th>
<th>Bumper</th>
</tr>
</thead>
<tbody>
<tr>
<td>28 ft. 5 in.</td>
<td>29 ft. 7 in.</td>
</tr>
<tr>
<td>30 ft. 6 in.</td>
<td>31 ft. 8 in.</td>
</tr>
<tr>
<td>31 ft. 8 in.</td>
<td>32 ft. 8 in.</td>
</tr>
</tbody>
</table>

Dimensions and approximate weights are for chassis with cab, fuel, oil, water and standard equipment.

STANDARD EQUIPMENT

Axle, Front:
- FA-105. Rated capacity, 9,000 lb.
- Heat-treated forged steel I-beam.

Axles, Rear:
- International RA-57. Rated capacity, 23,000 lb.
- Ratios: 4.44, 4.78, 5.38 or 6.14 to 1.
- Single reduction, full-floating.
- Hypoid, straddle-mounted pinion, 18-in. ring gear.
- Induction-hardened steel axle shafts.
- Heat-treated steel housing, welded-on cover.
- RA-418 pusher. Rated capacity, 16,000 lb.
- Rubber load cushion suspension with aluminum saddles.

Brakes, Parking and Emergency:
- Spring-actuated, released by air pressure.
- Piggy-back mounted on drive axle brake chambers.
- Lining area, 410.8 sq. in.

Brakes, Service, Air:
- Front, 16 x 2½ in.; lining area, 151 cu. in.
- Rear, 16½ x 6 in.; lining area, 821.8 cu. in.
- Two shoes per wheel, double anchored.
- 12 cu.-ft. air compressor; air reservoir.
- Low pressure warning buzzer.

Cab:
- Fleetstar, all-steel and safety glass.
- Fully-adjustable foam-rubber padded driver's seat with shock absorber action.
- Ribbed vinyl upholstery.
- Individual gauges covering all engine functions.

STANDARD EQUIPMENT (continued):
- Identified fuses on panel inside map compartment.
- Dual king size rear view mirrors.
- Dual air-operated windshield wipers. Sun visor.
- Door locks, safety latches and hold-open stops.
- Dome light. Front corner lights.
- Heavy-duty jute-backed floor mat. Headliner.

Clutch:
- 14-in. diameter, 15 spring, with air assist.
- Two plate, dry disc, with vibration damper.

Cooling System:
- Coolant capacity, 46 qt. Centrifugal pump, V-belt driven.
- Air-operated automatic radiator shutters.
- Fin and tube radiator. Large capsule thermostat.

Electrical System:
- 12-volt, with 55-amp. self-rectifying alternator.
- Four 6-volt, 63-plate, 150-amp.-hr batteries.
- Solenoid-operated starting motor.
- Sealed-beam headlights.
- Double-face directional signals, front.

Engine:
- Cummins V6E-195, 6-cylinder, diesel.
- Gross brake horsepower, 195 at 2,500 rpm.
- Gross torque, 449 lb.-ft. at 1,800 rpm.
- Bore, 5½ in.; stroke, 4¾ in.; displacement, 588 cu. in.
- Compression ratio, 16.7 to 1.

INTERNATIONAL TRUCKS—World's Most Complete Line
Finish: Sheet metal, rust-inhibited, painted any standard color.

Frame: Heat-treated chrome-molybdenum steel channel. 9 x 3\(\frac{1}{2}\) x \(\frac{3}{4}\) in. Section modulus, 10.20. Resisting bending moment, 1,122,000 in.-lb.


Hood: Reinforced fiberglass, forward tilting.

Springs: Semi-elliptic steel leaf, front, 3 x 48 in. Capacity, 4,500 lb. each. Rubber load cushions, rear. Weight distribution, 45-55%. Total capacity, 34,000 lb.


Tires: 10.00 x 20, 12-ply, with tubes; dual rear.

Transmission: T-214, five-speed, direct. Constant mesh helical gears, 3rd to 5th. Ratios: 5.96, 2.95, 1.62, 1.25 and 1.00 to 1. Reverse ratio, 6.01 to 1. Large power take-off opening, each side.

Wheels: Cast spoke, 7.50V rims. International lightweight 5-spoke, rear.

OPTIONAL EQUIPMENT AT ADJUSTED COST

Axle, Front: FA-112. Capacity, 11,000 lb. With 16\(\frac{1}{2}\) x 3\(\frac{1}{2}\)-in. brakes. FA-215. Capacity, 12,000 lb. Heavy-duty springs.


Brakes, Service: Semi-trailer connections, trailer protection valve and hand control valve. Front wheel limiting valve.

Engine, Diesel: NHE-195. 195 hp @ 1950 rpm. 580 lb.-ft. torque @ 1300 rpm. NH-220. 220 hp @ 2100 rpm. 606 lb.-ft. torque @ 1525 rpm. NH-250. 250 hp @ 2100 rpm. 685 lb.-ft. torque @ 1500 rpm. 6V-71, Detroit Diesel. 218 hp @ 2100 rpm. 604 lb.-ft. torque @ 1200 rpm. Luberfiner or IH diesel engine oil filter.

Frame: Reinforcements, inverted L type. Two front tow hooks. Aluminum front bumper.


Springs: Heavy-duty, for standard front axle. Front shock absorbers.

Steering: Semi-integral power steering.

Tires: Optional sizes, types and treads.

Transmission: Five-speed, direct or overdrive, choice of nine, including units with aluminum case and bell housing. Ten-speed, Roadranger, choice of four.

Wheels: Disc. Aluminum five-spoke cast, rear.

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

INTERNATIONAL HARVESTER COMPANY
180 N. MICHIGAN AVE. • CHICAGO 1, ILLINOIS