International Truck Specifications

B Line
(1959-1961)
INTERNATIONAL®

B-140 (4x4) SERIES
MAXIMUM GVW, 14,000 LB.

**MODEL** | **GVW RATING**
---|---
B-140 (4x4) | 11,000 lb.
B-142 (4x4) | *14,000 lb.*

*Requires heavy-duty front and auxiliary rear springs.

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CHASSIS DIMENSIONS

<table>
<thead>
<tr>
<th>Dimension</th>
<th>B-140 (4x4)</th>
<th>B-142 (4x4)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wheelbase (WB)</td>
<td>129</td>
<td>141</td>
</tr>
<tr>
<td>Over-all length with front bumper (OAL)</td>
<td>197 ½ in.</td>
<td>209 ½ in.</td>
</tr>
<tr>
<td>Back of cab to center line of rear axle (CA)</td>
<td>60</td>
<td>72</td>
</tr>
<tr>
<td>Center line of rear axle to end of frame (AF)</td>
<td>32</td>
<td>32</td>
</tr>
<tr>
<td>Back of cab to end of frame (CF)</td>
<td>92</td>
<td>104</td>
</tr>
<tr>
<td>Bumper to center line of front axle (BA)</td>
<td>36 ¾ in.</td>
<td>36 ¾ in.</td>
</tr>
<tr>
<td>Turning radius with bumper clearance (feet)</td>
<td>28 ¾ ft.</td>
<td>31 ft.</td>
</tr>
</tbody>
</table>

Dimensions are shown in inches. The following dimensions are the same for all wheelbases with 8-19.5 tires.

- **Tread:** Front wheels, 70% of; rear, 67 3/4%.
- **Road clearance:** Front, 9 3/4%; rear, 9 3/4%.
- **Over-all width:** Front, 80 1/4%; rear, 75 3/4%.
- **Height to top of frame from ground, loaded:** Front, 30 1/4; rear, 30 1/4.

WEIGHT WITH CAB, FUEL, OIL, WATER, STANDARD MODEL B-140 (4x4), APPROXIMATE (IN POUNDS): 4555 4585 4645

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STANDARD SPECIFICATIONS

**Axle, Front:** Single reduction, hypoid bevel type. Rated capacity, 5,000 lb. Reduction, 6.166 to 1.

**Axle, Rear:** Full-floating, single reduction, hypoid type. Hotchkiss type final drive. Chrome-molybdenum steel axle shafts. Differential and wheel bearings are tapered rollers. Pinion is straddle-mounted, supported on roller bearings. Reduction, 6.166 to 1. Rated capacity, 10,000 lb.

**Brake, Hand:** Located at rear of transfer case. Lining area, 30.56 sq. in.

**Brakes, Service:** Hydraulic, internal-expanding, two-shoe, single-anchor type. Lining area, 237.1 sq. in.

**Cab:** Standard equipment includes adjustable, full-width, padded coil spring seat and back cushions with two-tone, vinyl-coated covering; safety glass Sweep-Around windshield, windows and Silent-Vent window wings; safety type door latches; right door lock; rearview mirror; dual electric windshield wipers; left side sun visor; ash tray; map compartment; tool compartment; vinyl-coated insulated headliner; heavy-duty floor mat; concealed inside steps.

**Clutch:** 10-in. diameter, single plate, cushion disc, with coil spring vibration damper.

**Cooling System:** Centrifugal pump, balanced circulation with permanent by-pass for fast, even warm-up. V-belt drive. Fin-and-tube radiator. Large capsule type thermostat. Total capacity, 17 3/4 qt.

**Electrical System:** 12-volt. Vacuum-control, full-automatic distributor. 50-amp.-hr. capacity battery. Solenoid-operated, positive-engagement, spiral-mesh type starting motor. 30-amp. generator. Dual sealed-beam headlights.

**Engine:** International Black Diamond 240, I-block, high-torque, six-cylinder, valve-in-head type. Bore, 3 3/4 in.; stroke, 4.018 in.; displacement, 240.3 cu. in.; compression ratio, 7.5 to 1. Maximum brake horsepower, 140.8 at 3800 r.p.m.; maximum torque, 223.5 lb-ft. at 2000 r.p.m. Four steel-backed, replaceable-shell, precision type main bearings. Six replaceable-shell precision type connecting rod bearings. Slo-roto exhaust valves faced with stellite alloy. Exhaust valve seat inserts.


Frame: Pressed steel channel, 8 1/2 x 2 1/2 x 2 1/2 x 1/4 in.

Fuel System: Horizontal diaphragm, mechanical fuel pump driven from camshaft. Fuel filter. Downdraft carburetor. Large capacity, high efficiency, oil bath air cleaner. 21-gal. undercab fuel tank.

Lubrication System: Full pressure feed to all main, connecting rod and camshaft bearings. Deep sump oil pan. External gear type oil pump; wire mesh floating oil strainer. Full-flow oil filter. Oil capacity, 7 qt.

Propeller Shaft: Large-diameter, heavy-gauge steel tubing, dynamically balanced. Needle bearing, anti-friction universal joints.


Steering: Semi-reversible, dual ratio, cam and roller-mounted twin lever gear. Four-spoke, 18-in. safety type steering wheel.

Tires: Front and single rear, tubeless, 8-19.5, 8-ply.

Transfer Case: Declutching type. Three-position shifting — high, direct; low, 2.25 to 1 reduction; neutral. Manual engage and disengage of front-wheel drive. Provision for mounting full torque power take-off at rear of input shaft.

Transmission: Sliding gear, selective type, mounted in unit with engine. Four speeds forward, one reverse. Reductions — low, 6.40 to 1; second, 3.09 to 1; third, 1.69 to 1; fourth, direct; reverse, 7.82 to 1. Power take-off openings, both sides.

Wheels: Disc type, 5.25 rims.

OPTIONAL EQUIPMENT AT EXTRA COST

Bodies: Factory-mounted. 8 1/4-ft. standard pickup.

Cab: Optional equipment includes: full depth foam rubber or rubber-topped seat and back cushions; extra fixed arm type, extension type or inside rear view mirrors; dome light; arm rests; right side sun visor; tinted glass; cigar lighter; grab handles; left door lock; map compartment lock; sliding rear window and screen.

Cab, Custom: Equipment includes: two sun visors; two arm rests; dome light; vinyl-coated padded door panels and padded headliner; foam-rubber-topped seat and back cushions. Special trim features include: chrome door moulding; windshield moulding; special matched colors of interior materials. Additional optional features of standard cab also available.

Clutch: 11-in. diameter.

Electrical System: 60-amp.-hr. battery. 50-amp. heavy-duty generator; 20 or 35-amp. charge at idle generator. Dual stop and tail lights. Front axle warning light. Corner and marker lights. Dual electric horns.

Engine: International Black Diamond 264, I-block, high-torque, six-cylinder, valve-in-head type. Bore, 3 1/4 in.; stroke, 3 1/8 in.; displacement, 264.33 cu. in.; compression ratio, 7.5 to 1. Maximum brake horsepower, 153.5 at 3800 r.p.m.; maximum torque, 248 lb.-ft. at 2400 r.p.m. High altitude equipment ... BD-240 or BD-264 equipped for operation on LP Gas. Heavy-duty air cleaner.

In order that product improvements may be introduced at any time, the right is reserved to change specifications without notice.

INTERNATIONAL HARVESTER EXPORT COMPANY
180 N. MICHIGAN AVE.
CHICAGO 1, ILL., U.S.A.
**ESPECIFICACIONES NORMALES**

### Eje Delantero
Viga I de centro acanalado, de acero tratado térmicamente y forjado a martinet. Carrocerías de dirección de acero cromo-molibdeno, tratado térmicamente y forjado a martinet. Capacidad de régimen, 4,700 lbs. (2,132 Kgs.).

### Eje Trasero

### Frenos de Mano
Tipo montado en el eje cardán, ubicado en la parte trasera de la transmisión. Superficie de revestimiento, 57.16 pulgadas. Capacidad normal, Modelo B-160, 4,850 lbs. (2,200 Kgs.).

### Frenos de Servicio
Hidrúlicos, de centralización automática, de automultiplicación de fuerza, expansión interna con multiplicador de fuerza. Cilindros de ruedas del tipo gemelos individuales. Zapatas primarias y secundarias igualmente eficaces en marcha hacia adelante o en marcha atrás. Superficie de revestimientos, 374.9 pulgadas. Capacidad normal, Modelo B-160, 4,850 lbs. (2,200 Kgs.).

### Cabina
Su equipo normal incluye: cojines de asiento y de respaldo ajustables, a todo lo ancho, almohadillados y con resortes en espiral; revestidos con vinil; zapatillas de seguridad; limpiaparabrisas eléctricos dobles; visera para el sol; forro de techo revestido con vinil de dos tonos; parabrisas de cristal de seguridad; embroma de piso para trabajo pesado; escalones superiores interiores y exteriores. 

### Embrague
Diámetro de 11" (28 cms.), monodisco de disco acodado, amortiguado de vibraciones de resortes en espiral. Se requiere para los modelos B-160 y B-165.

### Sistema de Enfriamiento
Bomba centrífuga de circulación equilibrada con desviación permanente para un calentamiento rápido y uniforme. Mando por correa V. Radiador de aletas y tubos. Termómetro grande tipo cártila. Capacidad total 15 cuartos (134.6 litros).
**Sistema Eléctrico:** 12 voltios. Distribuidor completamente automático con control al vacío. Acumulador con capacidad de 50 amperios-hora. Motor de arranque del tipo de engrane en espiral o helicoidal, de acoplo positivo y accionado por solenoide. Dinamo de 50 amperios. Faros delanteros dobles de foco hermético.

**Motor:** International Black Diamond 264, bloque I, alta fuerza torsional, seis cilindros, tipo de válvulas a la culata. Talafrado, 51/4" (12.7 cm.); carrera, 41/2" (10.7 cm.); cilindrada, 264 pulg³ (4.33 lts.); relación de compresión, 7.5 a 1. Potencia máxima al freno, 155 5/6 C. de F. a 2,800 r.p.m.; fuerza torsional máxima, 550 lbs.-pies (74.9 Kgs.). Cuatro cojinetes principales del tipo de precisión con casco reemplazable y respaldo de acero. Seis cojinetes de biela del tipo de precisión con casco reemplazable. Válvulas de escape de rotación lenta (Slo-Roto) revestidas con aleación de estrella. Inserciones de asiento de válvulas de escape.

**Equipo Normal:** Paragolpes delantero. Luces de parada y traseras combinadas. Luces de estacionamiento. Bocina. Rueda de repuesto.

**Acabado:** Bastidor y ruedas, negro. Capó, cabina y guardabarros pintados a escoger entre atractivos colores firmes. Renilla de aluminio anodizado.

**Bastidor:** Acero acanalado y prensado. Todas las distancias entre ejes hasta 171" (4.34 M.). 9x3x14" (22.9 x 7.6 x .6 cms.); D/E anodizado.

**Transmisión:** Tipo de engrane sincronizado, montada en unidad con el motor. Cuatro velocidades hacia adelante y una de marcha atrás. Reducciones—baja, 153.5 C. de F. a 3,800 r.p.m.; fuerza torsional máxima, 227.1 lbs.-pies (31.4 Kgs.) a 4,000 r.p.m. No se recomienda con transmisión de sobremarcha . . . Tacómetro magnético.

**Eje Trasero:** De sobremediada, capacidad de régimen de 15,000 lbs. (6,804 Kgs.). 12 o 14 pies (3.66 o 4.27 metros).

**Embrague:** Diámetro de 12" (30.5 cms.).

**Sistema Eléctrico:** Acumulador de 60 amperios-hora. Dinamo de 50 amperios para trabajo pesado; dinamo de carga en velocidad sin carga de 20 a 35 amperios.

**Motor:** International Black Diamond 264 equipado para trabajar con gas PL . . . Equipo para grandes alturas . . . Filtro de aire para trabajo pesado.
MODEL B-160 (4x4)
MAXIMUM GVW, 16,000 LB.

**CHASSIS DIMENSIONS**

<table>
<thead>
<tr>
<th>Description</th>
<th>129</th>
<th>141</th>
<th>153</th>
<th>171</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wheelbase (WB)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Over-all length including bumper (OAL)</td>
<td>197</td>
<td>209</td>
<td>245</td>
<td>263</td>
</tr>
<tr>
<td>Back of cab to c/l of rear axle (CA)</td>
<td>60</td>
<td>72</td>
<td>84</td>
<td>102</td>
</tr>
<tr>
<td>C/l of rear axle to end of frame (AF)</td>
<td>32</td>
<td>32</td>
<td>56</td>
<td>56</td>
</tr>
<tr>
<td>Back of cab to end of frame (CF)</td>
<td>92</td>
<td>104</td>
<td>140</td>
<td>158</td>
</tr>
<tr>
<td>Bumper to c/l of front axle (BA)</td>
<td>36</td>
<td>36</td>
<td>36</td>
<td>36</td>
</tr>
<tr>
<td>Turning radius w/bumper clearance (ft.)</td>
<td>28</td>
<td>31</td>
<td>33</td>
<td>36</td>
</tr>
<tr>
<td>Weight with cab, fuel, oil, water, standard equipment, approx. (lb.)</td>
<td>5510</td>
<td>5540</td>
<td>5600</td>
<td>5650</td>
</tr>
</tbody>
</table>

**STANDARD SPECIFICATIONS**


Brake, Hand: Located at rear of transfer case.

Brakes, Service: Hydraulic, self-centering, self-energizing, internal-expanding, with power cylinder. Individual twin type wheel cylinders. Both primary and secondary shoes equally effective in either forward or reverse direction. Lining area, 367.2 sq. in.

Cab: Standard equipment includes: adjustable, full-width, padded coil spring seat and back cushions with two-tone vinyl-coated covering; safety glass Sweep-Around windshield, windows and Silent-Vent window wings; safety type door latches; right door lock; left side rear view mirror with 2 stabilizing rods; dual electric windshield wipers; left side sun visor; ash tray; map compartment; tool compartment; vinyl-coated insulated headliner; heavy-duty floor mat; concealed inside upper step.

Clutch: 11-in. diameter, single-plate, cushion-disc, with coil spring vibration damper.


compression ratio, 7.5 to 1. Maximum brake horse-
power, 153.5 at 3800 r.p.m.; maximum torque, 248
lb.-ft. at 2400 r.p.m. Four steel-backed, replaceable-
shell, precision type main bearings; total projected area,
16.5 sq. in. Six replaceable-shell, precision type con-
necting rod bearings. Slo-roto exhaust valves faced with
stellite alloy. Exhaust valve seat inserts.

**Equipment, Standard:**
- Front bumper. Combination
- Frame: Frame and wheels, black. Hood, cab and fender painted in your choice of attractive standard
colors. Anodized aluminum grille.
- Fuel System: Horizontal diaphragm, mechanical fuel pump driven from camshaft. Fuel filter. Downdraft
carburetor. Large-capacity, high-efficiency, oil bath
air cleaner. 21-gal. undercab fuel tank.
- Lubrication System: Full pressure feed to all main, con-
necting rod and camshaft bearings. Deep sump oil
pan. External gear type oil pump; wire mesh floating
oil strainer. Full-flow oil filter. Oil capacity, 7 qt.
- Propeller Shaft: Large-diameter, heavy-gauge steel tubing, dynamically balanced. Needle bearing, anti-
friction universal joints.
- Springs: Semi-elliptic. Front, 48 x 2 1/4 in. Rear, 54 x 3
in.; auxiliary, 34 x 3 in.
- Steering: Semi-reversible dual ratio, cam and roller-
mounted twin level gear. Four-spoke, 18-in., safety
type steering wheel.
- Tires: Front and dual rear, tubeless, 8-22.5, 8-ply.
- Transfer Case: Declutching type. Three-position shift-
ing — high, direct; low, 2.25 to 1 reduction; neutral.
- Transaxle: Optional equipment includes: full depth foam
rubber or rubber-topped seat and back cushions; extra
fixed arm type, inside, or extension type rear view
mirrors; dome light; arm rests; right side sun visor;
tinted glass; cigar lighter; grab handles; left door lock;
map compartment lock; sliding rear window and screen.
- Cab, Custom: Equipment includes: two sun visors;
two arm rests; dome light; vinyl-coated padded door
panels and headliner; foam-rubber-topped seat and
back cushions. Special trim features include: chrome
panels and headliner; foam-rubber-topped seat and
headliner; special matched
colors of interior materials. Additional optional features
of standard cab also available.

**OPTIONAL EQUIPMENT AT EXTRA COST**

**Axle, Front:** Oversize, 7,500-lb. rated capacity.

**Brakes:** Vacuum reserve tank with gauge. Low vacuum
warning light.

**Cab:** Optional equipment includes: full depth foam
rubber or rubber-topped seat and back cushions; extra
fixed arm type, inside, or extension type rear view
mirrors; dome light; arm rests; right side sun visor;
tinted glass; cigar lighter; grab handles; left door lock;
map compartment lock; sliding rear window and screen.

**Cab, Travel-Crew:** With full-width rear seat, extra right-
side door, extra left-side window.

**Clutch:** 12-in. diameter.

**Electrical System:** 60-amp.-hr. battery. 50-amp. heavy-
duty generator; 20 or 35-amp. low speed cut-in gen-
erator. Front axle warning light. Dual stop and tail
lights. Corner and marker lights. Dual electric horns.

**Engine:** International Black Diamond 264 equipped for
operation on LP Gas . . . Heavy-duty air cleaner . . .
High altitude equipment for gasoline engine.

**Engine:** International V-304, Y-block, short-stroke,
low-friction, low-stress, eight-cylinder, valve-in-head,
truck type. Bore, 3 1/4 in.; stroke, 3 7/16 in.; displacement,
266 cu. in.; compression ratio, 8.4 to 1. Maximum
brake horsepower, 154.8 at 4400 r.p.m.; maximum
torque, 227.1 lb.-ft. at 2800 r.p.m. Not recommended
with overdrive transmission . . . Magnetic tachometer.

**Engine:** International V-266, Y-block, short-stroke,
low-friction, low-stress, eight-cylinder, valve-in-head,
truck type. Bore, 3 1/4 in.; stroke, 3 7/16 in.; displacement,
304 cu. in.; compression ratio, 8.2 to 1. Maximum
brake horsepower, 193.1 at 4400 r.p.m.; maximum
torque, 272.5 lb.-ft. at 2800 r.p.m. Not recommended
with overdrive transmission . . . Magnetic tachometer.

**Equipment:** Power steering cylinder, valve, reservoir
and pump. Directional signals. Engine governor.
Special paint color or two-tone combination. Increased
capacity cooling.

**Frame:** Reinforcements.

**Fuel System:** 20-gal. auxiliary fuel tank. 31-gal.
ors 35-gal. auxiliary fuel tank. 43-gal. LP Gas pressure type tank.

**Heater and Defroster:** Recirculating and fresh air type.

**Shock Absorbers:** Direct acting, front and rear.

**Springs:** Heavy-duty, front. Rubber load cushion aux-
iliaries, front.

**Tire Carrier:** Back of cab or underslung. Lock.

**Tires:** Tubeless or tubed, alternate sizes. Special treads.

**Tow Hooks:** Two, front. Tow loop, rear. Pintle hook.

**Transmission:** Four-speed synchromesh . . . Five-speed
direct-in-fifth or overdrive, synchromesh.

**Winch:** Front-mounted.
INTERNATIONAL®

B-170 SERIES

MAX. GVW, 22,000 LB. • GCW, 36,000 LB.

**Model** | **GVW Rating** | **GCW Rating**
---|---|---
B-170 | 18,000 lb. | 35,000 lb.*
B-172 | 20,000 lb. | 35,000 lb.*
B-174 | 21,000 lb. | 36,000 lb.*
B-175 | 19,500 lb. | 35,000 lb.*

*With optional front axle.

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**Dimensions are shown in inches. Following dimensions are the same for all wheelbases with 8.25 x 20 tires:**
- **Tread:** Front wheels, 66%; rear, 69
- **Roadclearance:** Front, 10½; rear, 10½
- **Over-all width:** Front, 80%; rear, 89

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**CHASSIS DIMENSIONS**

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<thead>
<tr>
<th>Wheelbase (WB)*</th>
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<th>141</th>
<th>153</th>
<th>171</th>
<th>189</th>
</tr>
</thead>
<tbody>
<tr>
<td>Over-all length incl. bumper (OAL)</td>
<td>197½</td>
<td>209½</td>
<td>245¾</td>
<td>263¾</td>
<td>323¼</td>
</tr>
<tr>
<td>Back of cab to c½ of rear axle (CA)</td>
<td>60</td>
<td>72</td>
<td>84</td>
<td>102</td>
<td>120</td>
</tr>
<tr>
<td>C½ of rear axle to end of frame (AF)</td>
<td>32</td>
<td>32</td>
<td>56</td>
<td>56</td>
<td>98¾</td>
</tr>
<tr>
<td>Back of cab to end of frame (CF)</td>
<td>92</td>
<td>104</td>
<td>140</td>
<td>158</td>
<td>218¾</td>
</tr>
<tr>
<td>Turning radius, bumper clear. (ft.)</td>
<td>23 ¾</td>
<td>25 ½</td>
<td>27 ½</td>
<td>30</td>
<td>32 ¾</td>
</tr>
<tr>
<td>Weight with cab, fuel, oil, water, standard Model B-170, approx. (lb.)</td>
<td>5400</td>
<td>5430</td>
<td>5510</td>
<td>5550</td>
<td>5830</td>
</tr>
</tbody>
</table>

*219 and 238 WB also available.

**STANDARD SPECIFICATIONS**

**Axle, Front:** Rated capacity, 5,000 lb. Drop-center, I-beam, heat-treated steel drop forging. Steering knuckles of drop-forged, heat-treated, chrome-molybdenum steel.

**Axle, Rear:** Rated capacity, 15,000 lb. Full-floating, single reduction, hypoid type. Hotchkiss type final drive. Induction-hardened steel axle shafts. Differential and wheel bearings are tapered rollers. Heat-treated, one-piece, tubular banjo type steel housing, welded-on cover. Pinion is straddle mounted, supported on roller bearings. Reduction, 6.166, 6.66 or 7.16 to 1. Model B-174 requires optional 16,000-lb. axle.

**Brake, Hand:** Propeller shaft type, located at rear of transmission. Lining area, 57.16 sq. in.

**Brakes, Service:** Hydraulic, self-energizing, internal-expanding, with power booster. Individual twin type wheel cylinders. Both primary and secondary shoes equally effective in either forward or reverse direction. Lining area, 374.9 sq. in. Model B-174 requires optional oversize brakes with 439.2-sq. in. lining area.

**Clutch:** 12-in., 15-spring, heavy-duty, single plate, cushion disc, with coil spring vibration damper.

**Cooling System:** Centrifugal pump, balanced circulation. V-belt drive. Fin-and-tube radiator. Large capsule type thermostat. Total capacity, 19 qt.

**Electrical System:** 12-volt. Pressure-centrifugal control type distributor. 60-amp.-hr. capacity battery. Solenoid-operated, positive-engagement, spiral-mesh type starting motor, 30-amp. generator. Dual sealed-beam headlights.

**Engine:** INTERNATIONAL V-304, Y-block, short-stroke, low-friction, low-stress, eight-cylinder, gasoline, valvo-in-head, truck type. Bore, 3¾ in.; stroke, 3¾ in.; displacement, 304 cu. in.; compression ratio, 8.19 to 1. Maximum brake horsepower, 193.1 at 4400 r.p.m.;

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INTERNATIONAL TRUCKS - World's Most Complete Line


**Finish:** Frame and wheels, black. Hood, cab and fenders painted in your choice of attractive solid standard colors. Anodized aluminum grille.

**Frame:** Pressed steel channel. All WB through 171 in. \(9 \times 3 \times \frac{1}{4}\) in.; 189 and 219-in. WB, \(9\frac{1}{2} \times 3\frac{1}{2} \times \frac{1}{2}\) in. Reinforcement required on 189-in. and longer WB.

**Fuel System:** Horizontal diaphragm, mechanical fuel pump driven from camshaft. Fuel filter. Downdraft carburetor. Large capacity, high efficiency, oil bath air cleaner. 21-gal. undercab fuel tank.

**Lubrication System:** Full pressure feed to all main, connecting rod and camshaft bearings. Deep sump oil pan. External gear type oil pump; wire mesh floating oil strainer. Full-flow oil filter. Oil capacity (refill), 9 qt.

**Propeller Shaft:** Large-diameter, heavy-gauge steel tubing, dynamically balanced. Silent spin center bearing. Needle-bearing, anti-friction universal joints.

** Springs:** Semi-elliptic. Front. \(46 \times 2\frac{1}{4}\) in. Rear, \(54\frac{1}{2} \times 3\) in.; auxiliary, \(34 \times 3\) in.

**Steering:** Semi-reversible, dual ratio, cam and roller-mounted twin lever gear. Four-spoke, 18-in. safety type steering wheel.

**Tires:** Front and dual rear, 7.50 x 20, 8-ply, T.T.

**Transmission:** Five speeds forward, one reverse. Constant mesh helical gears in third, fourth and high. Large power take-off opening on each side. Reductions — low, 7.35 to 1; second, 4.30 to 1; third, 2.52 to 1; fourth, 1.42 to 1; fifth, direct; reverse, 7.20 to 1.

**Wheels:** Cast spoke type, 6.00 S rims.

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**OPTIONAL EQUIPMENT AT ADJUSTED COST**

**Axle, Front:** Oversize, 7,000-lb. rated capacity.

**Axle, Rear:** Oversize, single reduction, for Model B-174, 16,000-lb. rated capacity; reduction, 6.5 or 7.16 to 1 . . .

**Brakes:** Increased capacity, front and rear. Trailer connections; hand control valve. Vacuum reserve tank with gauge . . . Air-actuated hydraulic brakes.

**Bodile:** Optional equipment includes: full width rubber-topped seat and back cushions; right-side extension type rectangular rear view mirror; dome light; arm rests; right-side sun visor; tinted glass; cigar lighter; grab handles; map compartment lock; sliding rear window.

**Clutch:** 12-in., 12-spring, for BD engine.

**Electrical System:** 70-amp.-hr. battery. 50-amp. heavy-duty generator; 20 or 35-amp. charge at idle generator. Dual stop and tail lights. Dual electric horns. Front corner and marker lights.

**Engine:** INTERNATIONAL BD-282, high-torque, six-cylinder, gasoline, valve-in-head type. Bore, \(3\frac{3}{8}\) in.; stroke, \(4\frac{3}{4}\) in.; displacement, 282.546 cu. in. Maximum brake horsepower, 140.5 at 3600 r.p.m.; maximum torque, 254.2 lb.-ft. at 1600 r.p.m.

**Engine Equipment:** Governor. High altitude equipment. Increased capacity cooling . . . V-8 only: Positive crankcase ventilator. Magnetic tachometer . . .

**Frame:** Inverted L-shape reinforcements.

**Fuel System:** 20 or 31-gal. auxiliary single or dual tanks. 43 or 62-gal. single or dual LP Gas pressure type tanks.

**Heater and Defroster:** Recirculating and fresh air type.

**Miscellaneous:** Directional signals. Power steering. Special paint color or two-tone combinations. Radio. Air conditioner. Right-hand drive.

**Shock Absorbers:** Direct acting, front and rear.

**Springs:** Heavy-duty, front and rear.

**Tires:** Tubeless or tubed, alternate sizes. Special treads. Underslung tire carrier. Tire carrier lock.

**Tow Hooks:** Two, front and rear. Tow loop, rear. Pintle hook.

**Transmission:** Five-speed constant mesh, direct in fifth . . . Five-speed synchromesh, direct or overdrive in fifth . . .

**Wheels:** Cast spoke type, 6.00 S rims.

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In order that product improvements may be introduced at any time, the right is reserved to change specifications without notice.

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**INTERNATIONAL HARVESTER EXPORT COMPANY**

180 N. MICHIGAN AVE.

CHICAGO 1, ILL., U. S. A.
INTERNATIONAL®
B-180
SERIES
MAX. GVW, 25,500 LB. • GCW, 45,000 LB.

<table>
<thead>
<tr>
<th>MODEL</th>
<th>GVW RATING</th>
<th>GCW RATING</th>
</tr>
</thead>
<tbody>
<tr>
<td>B-180</td>
<td>19,000 lb.</td>
<td>40,000 lb.</td>
</tr>
<tr>
<td>B-182</td>
<td>20,500 lb.*</td>
<td>40,000 lb.</td>
</tr>
<tr>
<td>B-184</td>
<td>21,500 lb.</td>
<td>45,000 lb.</td>
</tr>
<tr>
<td></td>
<td>23,000 lb.*</td>
<td></td>
</tr>
<tr>
<td></td>
<td>24,000 lb.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>26,500 lb.*</td>
<td></td>
</tr>
</tbody>
</table>

+With optional front axle.

CHASSIS DIMENSIONS

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Model B-180</th>
<th>Model B-182</th>
<th>Model B-184</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wheelbase (WB)</td>
<td>129</td>
<td>141</td>
<td>153</td>
</tr>
<tr>
<td>Over-all length incl. bumper (OAL)</td>
<td>197½</td>
<td>209¼</td>
<td>245½</td>
</tr>
<tr>
<td>Back of cab to c/l of rear axle</td>
<td>60</td>
<td>72</td>
<td>84</td>
</tr>
<tr>
<td>C/l of rear axle to end of frame</td>
<td>32</td>
<td>32</td>
<td>56</td>
</tr>
<tr>
<td>Turning radius, bumper clear (ft)</td>
<td>23½</td>
<td>25½</td>
<td>27½</td>
</tr>
<tr>
<td>Weight with cab, fuel, oil, water</td>
<td>5750</td>
<td>5790</td>
<td>5860</td>
</tr>
</tbody>
</table>

STANDARD SPECIFICATIONS


Axle, Rear: Rated capacity, 16,000 lb. Full-floating, single reduction, hypoid type. Hotchkiss type final drive. Induction-hardened steel axle shafts. Differential and wheel bearings are tapered rollers. Heat-treated, one-piece, tubular banjo type steel housing, welded-on cover. Pinion is straddle mounted, supported on roller bearings. Reduction, 6.5 or 7.16 to 1. Model B-184 requires optional 18,500-lb. axle.

Brake, Hand: Propeller shaft type, located at rear of transmission. Lining area, 74.46 sq. in.

Brakes, Service: Hydraulic, self-energizing, internal-expanding, with power booster. Individual twin type wheel cylinders. Both primary and secondary shoes equally effective in either forward or reverse direction. Lining area, 446.8 sq. in. Model B-184 requires optional oversize brakes with 469.2-sq. in. lining area.

Cab: All-steel. Standard equipment includes: adjustable, full-width, padded coil spring seat and back cushions with heavy-gauge, saddle tan, sateen-backed vinyl covering; safety glass Sweep-Around windshield, windows and adjustable-tension Silent-Vent window wings with stainless steel edging; safety type door latches; door locks; left-side extension type, rectangular rear view mirror with stabilizing rod; dual electric windshield wipers; left-side sun visor; ash tray; map compartment; tool compartment; vinyl-coated insulated headliner; heavy-duty floor mat.

Clutch: 12-in. diameter, 15-spring, heavy-duty, single plate, cushion disc, with coil spring vibration damper.


Electrical System: 12-volt. Pressure-centrifugal control type distributor. 60-amp.-hr. capacity battery. Solenoid-operated, positive-engagement, spiral-mesh type starting motor. 30-amp. generator. Dual sealed-beam headlights.

Engine: INTERNATIONAL V-345, Y-block, gasoline, short-stroke, low-friction, low-stress, eight-cylinder, valve-in-head. Bore, 3¾ in.; stroke, 3½ in.; displacement, 345 cu. in.; compression ratio, 8.05 to 1. Maximum brake horsepower, 196.7 at 4000 r.p.m.; maximum torque, 309 lb.-ft. at 2200 r.p.m. Five steel-backed, replaceable-shield, precision type main bearings. Five camshaft bearings. Nine rocker arm shaft supports. Slo-roto exhaust valves faced with heat-resistant alloy. Exhaust valve

**Equipment, Standard:** Front bumper. Combination tail and stop light. Parking lights. Horn.

**Finish:** Frame and wheels, black. Hood, cab and fenders painted in your choice of attractive solid standard colors. Anodized aluminum grille.

**Frame:** Pressed steel channel. All WB through 171-in., 9 x 3 x ½ in.; 189-in. and 219-in. WB, 9% x 3% x % in. Reinforcements required on Model B-184.

**Fuel System:** Horizontal diaphragm, mechanical fuel pump driven from camshaft. Fuel filter. Downdraft carburetor. Large-capacity, high-efficiency, oil bath air cleaner. 21-gal. undercab fuel tank.

**Lubrication System:** Full pressure feed to all main, connecting rod and camshaft bearings. Deep sump oil pan.

**OPTIONAL EQUIPMENT AT EXTRA COST**

**Axle, Front:** Oversize, 7,000-lb. rated capacity.

**Axle, Rear:** Oversize single-reduction, 18,500-lb. rated capacity; reduction, 5.365, 6.142, 6.571 or 7.166 to 1.


**Cab:** Optional equipment includes: full width rubber-topped seat and back cushions; right-side extension type rectangular rear view mirror; inside rear view mirror; dome light; arm rests; right-side sun visor; tinted glass; cigar lighter; grab handles; map compartment lock; sliding rear window.

**Cabs:** TRAVEL-CREW. Six-passenger, four-door, with full-width rear seat. Narrow, 50-inch width, center-mounted Steel Hauler.

**Clutch:** 13-in., 15-spring (V-8 only).

**Engine:** INTERNATIONAL BD-308, high-torque, six-cylinder, gasoline, valve-in-head type. Bore, 3 ⅜ in.; stroke, 4 ⅜ in.; displacement, 308 cu. in. Maximum brake horsepower, 154.3 at 3600 r.p.m.; maximum torque, 286.1 lb.-ft. at 1800 r.p.m.

**Frame:** Inverted L-shape reinforcements.

**Fuel System:** 21-gal. or 31-gal. single or dual auxiliary tanks. 50-gal. dual safety tanks. 43-gal. LP Gas pressure type tank.

**Heater and Defroster:** Recirculating and fresh air type.

**Miscellaneous:** Power steering cylinder, valve, reservoir and pump. Special paint color or two-tone combination. Radio. Air conditioner. Right-hand drive.

**Shock Absorbers:** Direct acting, front and rear.

**Springs:** Heavy-duty, front and rear.

**Tires:** Tubeless or tubed, alternate sizes. Special treads.

**Transmission:** Five-speed constant mesh, direct in fifth. Synchronesh, direct or overdrive in fifth. INTERNATIONAL SELECT-O-MATIC®, synchronized five-speed with hydraulic clutch, torque converter and "magic button" control. Transmission oil filter.

**Wheelbase:** 219, 238 or 256 in. for light, bulky loads. Frame size, 9 x 3 ⅞ x ⅜ in. for 238 and 256-in. WB.

**Wheels:** Disc type.

In order that product improvements may be introduced at any time, the right is reserved to change specifications without notice.
INTERNATIONAL®
BC-170 SERIES
MAX. GVW, 22,000 LB. • GCW, 36,000 LB.

<table>
<thead>
<tr>
<th>MODEL</th>
<th>GVW RATING</th>
<th>GCW RATING</th>
</tr>
</thead>
<tbody>
<tr>
<td>BC-170</td>
<td>18,000 lb.</td>
<td>35,000 lb.</td>
</tr>
<tr>
<td>BC-172</td>
<td>20,000 lb.</td>
<td>35,000 lb.</td>
</tr>
<tr>
<td>BC-174</td>
<td>21,000 lb.</td>
<td>36,000 lb.</td>
</tr>
<tr>
<td>BC-175</td>
<td>19,500 lb.</td>
<td>35,000 lb.</td>
</tr>
</tbody>
</table>

*With optional front axle.

CHASSIS DIMENSIONS

<table>
<thead>
<tr>
<th>Measurement</th>
<th>BC-170</th>
<th>BC-172</th>
<th>BC-174</th>
<th>BC-175</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wheelbase (WB)*</td>
<td>125</td>
<td>137</td>
<td>149</td>
<td>167</td>
</tr>
<tr>
<td>Over-all length incl. bumper (OAL)</td>
<td>181\ 3/4</td>
<td>193\ 3/4</td>
<td>229\ 3/4</td>
<td>247\ 3/4</td>
</tr>
<tr>
<td>Back of cab to c/l of rear axle (CA)</td>
<td>60</td>
<td>72</td>
<td>84</td>
<td>102</td>
</tr>
<tr>
<td>C/l of rear axle to end of frame (AF)</td>
<td>32</td>
<td>32</td>
<td>32</td>
<td>32</td>
</tr>
<tr>
<td>Back of cab to end of frame (CF)</td>
<td>92</td>
<td>104</td>
<td>140</td>
<td>158</td>
</tr>
<tr>
<td>Turning radius, bumper clear. (ft.)</td>
<td>23</td>
<td>24\ 3/4</td>
<td>26\ 3/4</td>
<td>29\ 3/4</td>
</tr>
<tr>
<td>Weight w/cab, fuel, oil, water, standard Model BC-170, approx. (lb.)</td>
<td>5360</td>
<td>5410</td>
<td>5490</td>
<td>5540</td>
</tr>
</tbody>
</table>

*189, 219 and 238-in. WB also available.

STANDARD SPECIFICATIONS


Axle, Rear: Rated capacity, 15,000 lb. Full-floating, single reduction, hypoid type. Hotchkiss type final drive, Induction-hardened steel axle shafts. Differential and wheel bearings are tapered rollers. Heat-treated, one-piece, tubular banjo type steel housing, welded-on cover. Pinion is straddle mounted, supported on roller bearings. Reduction, 6.166, 6.66 or 7.16 to 1. Model BC-174 requires optional 16,000-lb. axle.

Brake, Hand: Propeller-shaft type. Lining area, 57.16 sq. in.

Brakes, Service: Hydraulic; self-energizing, internal-expanding, with power booster. Individual twin type wheel cylinders. Both primary and secondary shoes equally effective in either forward or reverse direction. Lining area, 374.9 sq. in. Model BC-174 requires optional oversize brakes with 439.2 sq. in. lining area.

Cab: All-steel. Standard equipment includes: adjustable, full-width, padded coil spring seat and back cushions with heavy-gauge, saddle tan, sateen-backed vinyl covering; safety glass Sweep-Around windshield, windshield wipers; adjustable tension Silent-Vent window wings with stainless steel edging; safety type door latches; door locks; left side extension type, rectangular rear view mirror with stabilizing rod; dual electric 2-speed windshield wipers; left-side sun visor; ash tray; map compartment; tool compartment; vinyl coated insulated headliner; heavy-duty floor mat.

Clutch: 12-in. diameter, 15-spring, heavy-duty, single-plate, cushion disc, with coil spring vibration damper.


Electrical System: 12-volt. Pressure centrifugal control type distributor. 60-amp.-hr. capacity battery. Solenoid-operated, positive-engagement, spiral-mesh type starting motor. 30-amp. generator. Dual sealed-beam headlights.

Engine: INTERNATIONAL V-304, Y-block, short-stroke, low-friction, low-stress, eight-cylinder, gasoline, valve-in-head, truck type. Bore, 3\ 3/16 in.; stroke, 3\ 3/16 in.; displacement, 304 cubic inches; compression ratio, 8.2 to 1. Maximum brake horsepower, 193.1 at 4400 r.p.m.; maximum torque, 272.5 pound-feet at 2800 r.p.m. Five steel-backed, replaceable-shell, precision type main

**Equipment, Standard:** Front bumper. Combination tail and stop light. Parking lights. Horn.

**Finish:** Frame and wheels. Black. Grille, hood, cab and fenders painted in your choice of attractive standard solid colors.

**Frame:** Pressed steel channel. All WB through 173-in., 9 x 3 x 1/4 in.; 189 and 219-in. WB, 9 1/8 x 3 3/8 x 3/16 in. Reinforcement required for Model BC-174, and for 189-in. or longer WB, all models.

**Fuel System:** Horizontal diaphragm, mechanical fuel pump driven from camshaft. Fuel filter. Downdraft carburetor. Large-capacity, high-efficiency, oil bath air cleaner, 21-gal. undercab fuel tank.

**OPTIONAL EQUIPMENT AT ADJUSTED COST**

**Axle, Front:** Oversize, 7,000-lb. rated capacity.

**Axle, Rear:** Oversize single reduction for Model BC-174, 16,000-lb. rated capacity; reduction, 6.5 or 7.55 to 1...

**Tires:** Front and dual rear, 7.50 x 20, 8-ply, T.T.

**Transmission:** Five speeds forward, one reverse. Constant mesh helical gears in third, fourth and high. Large power take-off opening on each side. Reductions — low, 7.35 to 1; second, 4.30 to 1; third, 2.52 to 1; fourth, 1.42 to 1; fifth, direct; reverse, 7.20 to 1.

**Wheels:** Cast spoke type, 6.00S rims.

In order that product improvements may be introduced at any time, the right is reserved to change specifications without notice.
INTERNATIONAL®
MODEL
BC-170 (4x4)
MAXIMUM GVW, 18,000 LB.

CHASSIS DIMENSIONS

<table>
<thead>
<tr>
<th>Dimension</th>
<th>125</th>
<th>137</th>
<th>149</th>
<th>167</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wheelbase (WB)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Over-all length incl. bumper (OAL)</td>
<td>188 1/2</td>
<td>200 1/2</td>
<td>236 1/2</td>
<td>254 1/2</td>
</tr>
<tr>
<td>Back of cab to c/l to rear axle (CA)</td>
<td>60</td>
<td>72</td>
<td>84</td>
<td>102</td>
</tr>
<tr>
<td>C/l of rear axle to end of frame (AF)</td>
<td>32</td>
<td>32</td>
<td>56</td>
<td>56</td>
</tr>
<tr>
<td>Back of cab to end of frame (CF)</td>
<td>92</td>
<td>104</td>
<td>140</td>
<td>158</td>
</tr>
<tr>
<td>Bumper to back of cab (BC)</td>
<td>96 1/2</td>
<td>96 1/2</td>
<td>96 1/2</td>
<td>96 1/2</td>
</tr>
<tr>
<td>Turning radius, bumper clearance (ft.)</td>
<td>28</td>
<td>30 1/2</td>
<td>32 1/2</td>
<td>36</td>
</tr>
<tr>
<td>Weight with cab, fuel, oil, water, standard equipment, approx. (lb.)</td>
<td>6070</td>
<td>6110</td>
<td>6190</td>
<td>6240</td>
</tr>
</tbody>
</table>

Dimensions are shown in inches. Following dimensions are the same for all wheelbases with 9-22.5 tires:
- Tread: Front wheels, 73 1/4; rear 69 1/8
- Road clearance: Front, 10 1/8; rear, 10 1/8
- Over-all width: Front, 84 1/8; rear, 88 1/8
- Height to top of frame from ground, loaded: Front, 33 13/16; rear, 34

STANDARD SPECIFICATIONS

Axle, Front: Wide-tread, single reduction, hypoid type with Carden type universals. Rated capacity, 7,500 lb. Reduction, 6.166 or 7.166.
Axle, Rear: Full-floating, single reduction, hypoid type. Hotchkiss type final drive. Chrome-molybdenum steel axle shafts. Differential and wheel bearings are tapered rollers. Heat-treated, one-piece, tubular banjo type steel housing, welded-on cover. Pinion is straddle mounted, supported on roller bearings. Reduction, 6.166 or 7.16 to 1. Rated capacity, 15,000 lb.
Brake, Hand: Mounted at rear of transfer case.
Brakes, Service: Hydraulic, self-centering, self-energizing, internal-expanding, with power booster. Individual twin type wheel cylinders. Both primary and secondary shoes equally effective in either forward or reverse direction. Lining area, 391.5 sq. in.
Clutch: 12-in. diameter, single plate, cushion disc, with coil spring vibration damper.
Engine: International Black Diamond 282, high-torque, six-cylinder, valve-in-head type. Bore, 3 13/64 in.; stroke, 4 1/4 in.; displacement, 282.546 cu. in.; compression ratio, 7.2 to 1. Maximum brake horsepower, 140.5 at 3600 r.p.m.; maximum torque, 254.2 lb.-ft. at 1600 r.p.m. Four steel-backed, replaceable-shell, precision type main

**Equipment, Standard:** Front bumper. Combination tail and stop light. Parking lights. Horn.

**Finish:** Frame and wheels, black. Hood, cab and fenders painted in your choice of attractive standard solid colors.

**Frame:** Pressed steel channel, 9 x 3 x 3/4 in.

**Fuel System:** Horizontal diaphragm, mechanical fuel pump driven from camshaft. Fuel filter. Downdraft carburetor. Large capacity, high efficiency, oil bath air cleaner. 21-gal. undercab fuel tank.

**Lubrication System:** Full pressure feed to all main, connecting rod and camshaft bearings. Deep sump oil pan. External gear type oil pump; wire mesh floating oil strainer. Full-flow oil filter. Oil capacity, 7 qt.

**Propeller Shaft:** Large-diameter, heavy-gauge steel tubing, dynamically balanced. Silent spin center bearing. Needle bearing, anti-friction universal joints.

**Springs:** Semi-elliptic. Front, 48 x 2 3/4 x 3 in.; auxiliary, 34 x 3 in.

**Steering:** Semi-reversible, cam and roller-mounted twin lever gear. Four-spoke, 19-in., safety type steering wheel.

**Tires:** Front and dual rear, tubeless, 8-22.5, 8-ply, T.T.

**Transfer Case:** Suspension mounted, declutching type. Three-position shifting — high, direct; low, 2.25 to 1 reduction; neutral; manual engage and disengage of front-wheel drive. Provision for mounting full torque power take-off at rear of input shaft.

**Transmission:** Synchromesh type, mounted in unit with engine. Four speeds forward, one reverse. Reductions — low, 6.398 to 1; second, 3.092 to 1; third, 1.686 to 1; fourth, direct; reverse, 7.82 to 1.

**Wheels:** Disc type; 6.00 rims.

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**OPTIONAL EQUIPMENT AT EXTRA COST**

**Brakes:** Increased capacity, rear. Vacuum reserve tank with gauge. Low vacuum warning light.

**Cab:** Optional equipment includes: full depth foam rubber or rubber-topped seat and back cushions; individual foam-rubber-topped driver’s seat, standard construction passenger seat; right side extension type rear view mirror; inside rear view mirror; dome light; arm rests; right side sun visor; tinted glass; cigar lighter; grab handles; left door lock; map compartment lock; sliding rear window and screen.

**Clutch:** Heavy-duty.

**Cooling System:** Increased capacity.

**Directional Signals:** Front, single or double-faced. Rear, single-faced. Type A.

**Electrical System:** 70-amp.-hr. battery. 50-amp. heavy-duty generator; 20 or 35-amp. charge at idle generator. Dual stop and tail lights. Dual electric horns. Front axle warning light. Marker and corner lights.

**Engine:** International Black Diamond 282 equipped for operation on LP Gas . . . High altitude equipment for gasoline engine. Heavy-duty air cleaner.


**Finish:** Special color or two-tone combination.

**Frame:** Inverted L-shape reinforcements.

**Fuel System:** 20-gal. or 31-gal. single or dual auxiliary tanks. 43 or 62-gal. single or dual LP Gas pressure type tanks.

**Governor:** Velocity type.

**Heater and Defroster:** Recirculating and fresh air type.

**Oil Filter:** Heavy-duty.

**Power Take-Off:** Full torque type mounted at rear of transfer case.

**Shock Absorbers:** Direct acting, front and rear.

**Springs:** Heavy-duty, rear. Rubber load cushion auxiliaries, front.

**Tires:** Tubeless or tubed, alternate sizes. Special treads. Underslung or back of cab tire carrier.

**Tow Hooks:** Two, front or rear. Tow loop, rear. Pintle hook.

**Transmission:** Heavy-duty four-speed synchronesh. Five-speed constant mesh or synchronesh, direct or overdrive in fifth. Transmission oil filter.

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**INTERNATIONAL HARVESTER EXPORT COMPANY**

180 N. MICHIGAN AVE.  
CHICAGO 1, ILL. U.S.A.
INTERNATIONAL
BC-180
SERIES
MAX. GVW, 25,500 LB. • GCW, 45,000 LB.

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<td>BC-180</td>
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<td>40,000 lb.</td>
</tr>
<tr>
<td>BC-182</td>
<td>21,500 lb.</td>
<td>40,000 lb.</td>
</tr>
<tr>
<td>BC-184</td>
<td>24,000 lb.</td>
<td>45,000 lb.</td>
</tr>
</tbody>
</table>

CHASSIS DIMENSIONS

<table>
<thead>
<tr>
<th>Description</th>
<th>Dimensions (inches)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wheelbase (WB)*</td>
<td>125 137 149 167 173</td>
</tr>
<tr>
<td>Over-all length incl. bumper (OAL)</td>
<td>181 193¾ 229¾ 247¾ 253¾</td>
</tr>
<tr>
<td>Back of cab to c/l of rear axle (CA)</td>
<td>60 72 84 102 108</td>
</tr>
<tr>
<td>C/l of rear axle to end of frame (AF)</td>
<td>32 32 56 56 56</td>
</tr>
<tr>
<td>Back of cab to end of frame (CF)</td>
<td>92 104 140 158 164</td>
</tr>
<tr>
<td>Turning radius, bumper clearance</td>
<td>22¾ 24½ 26¾ 29¾ 30¾</td>
</tr>
</tbody>
</table>

Weight with cab, fuel, oil, water, stand. Model BC-180, approx. (lb.) | 5710 5760 5840 5895 6005

Dimensions are shown in inches. The following are the same for all wheelbases with standard axles, 9.00 x 20 tires:

- Tread: Front wheels, 64¾; rear, 70.
- Road clearance: Front, 11½; rear, 10¾.
- Over-all width: Front, 84¾; rear, 92¾.
- Height to top of frame from ground, loaded: Front, 31½; rear, 31¾.

STANDARD SPECIFICATIONS


Axle, Rear: Rated capacity, 16,000 lb. Full-floating, single reduction, hypoid type. Hotchkiss type final drive. Induction-hardened steel axle shafts. Differential and wheel bearings are tapered rollers. Heat-treated, one-piece, tubular banjo type steel housing, welded-on cover. Pinion is straddle mounted, supported on roller bearings. Reductions, 6.5 or 7.16 to 1. Model BC-184 requires optional 18,500-lb. axle.

Brake, Hand: Propeller shaft type, located at rear of transmission. Lining area, 74.46 sq. in.

Brakes, Service: Hydraulic, self-energizing, internal-expanding, with power booster. Individual twin type wheel cylinders. Both primary and secondary shoes equally effective in either forward or reverse direction. Lining area, 446.8 sq. in. Model BC-184 requires optional oversize brakes with 469.2 sq. in. lining area.

Cab: All-steel. Standard equipment includes adjustable, full-width, padded coil spring seat and back cushions with heavy-gauge, saddle tan, sateen-backed vinyl covering; safety glass Sweep-Around windshield, windows and adjustable-tension Silent-Vent window wings with stainless steel edging; safety type door latches; door locks; left-side extension type rectangular rear view mirror with stabilizing rod; dual electric windshield wipers; left-side sun visor; ash tray; map compartment; tool compartment; vinyl-coated insulated headliner; heavy-duty floor mat.

Clutch: 12-in. diameter, 15-spring, heavy-duty, single-plate, cushion-disc, with coil spring vibration damper.


Electrical System: 12-volt. Pressure-centrifugal control type distributor. 60-amp.-hr. capacity battery. Solenoid-operated, positive-engagement, spiral-mesh type starting motor. 30-amp. generator. Dual sealed-beam headlights.

Engine: INTERNATIONAL V-345, Y-block, short-stroke, low-friction, low-stress, eight-cylinder, gasoline, valve-in-head type. Bore, 3½ in.; stroke, 3¾ in.; displacement, 345 cu. in.; compression ratio, 8 to 1. Maximum brake horsepower, 196.7 at 4000 r.p.m.; maximum torque, 309 lb.-ft. at 2200 r.p.m. Five steel-backed, replaceable-shell, precision type main bearings. Five

**Equipment, Standard:** Front bumper. Combination tail and stop light. Parking lights. Horn.

**Frame:** Pressed steel channel. All WB through 173-in. 9 x 3 x 1/4 in.; 189-in. and 219-in. WB, 9 1/6 x 3 1/2 x 1/2 in. Frame reinforcement required for Model BC-184.

**Fuel System:** Horizontal diaphragm, mechanical fuel pump driven from camshaft. Fuel filter. Downdraft carburetor. Large-capacity, high-efficiency, oil bath air cleaner. 21-gal. undecab fuel tank.

**Lubrication System:** Full pressure feed to all main, connecting rod and camshaft bearings. Deep sump oil pan. External gear type oil pump; wire mesh floating oil strainer. Full-flow oil filter. Oil capacity (refill), 9 qt.

**Propeller Shaft:** Large-diameter, heavy-gauge steel tubing, dynamically balanced. Center bearing. Needle-bearing; anti-friction universal joints.

**Springs:** Semi-elliptic. Front, 46 x 2 1/4 in. Rear, 54 1/2 x 3 in.; auxiliary, 34 x 3 in. Heavy-duty springs required for Model BC-184.

**Steering:** Semi-reversible, dual ratio, cam and roller-mounted twin lever gear. Four-spoke, 19-in. safety type steering wheel.

**Tires:** Front and dual rear, 8.25 x 20, 10-ply.

**Transmission:** Five speeds forward, one reverse. Constant mesh helical gears in third, fourth and high. Large power take-off opening on right and left sides. Reductions — low, 7.35 to 1; second, 4.30 to 1; third, 2.52 to 1; fourth, 1.42 to 1; fifth, direct; reverse, 7.20 to 1.

**Wheels:** Cast spoke type, 6.00S rims.

**OPTIONAL EQUIPMENT AT ADJUSTED COST**

**Axle, Front:** Oversize, 7,000-lb. rated capacity. Not available with Model BC-184.

**Axle, Rear:** Oversize single-reduction, 18,500-lb. rated capacity; reduction, 5.365, 6.142, 6.571 or 7.166 to 1. . . Two-speed, full-floating, hypoid type; reductions, 5.57/7.749, 6.166/8.577, or 6.5/9.041; oversize reductions, 4.875/6.65, 5.571/7.599, 6.5/8.866, 6.143/8.38 or 7.167/9.775 . . . Double reduction, 18,500 lb. rated capacity; total reduction, 7.59, 8.38 or 8.86 to 1.

**Bodies:** Factory-mounted 12, 14 or 16-ft. stake or platform.

**Brake, Hand:** Heavy-duty, 12 x 5 in., Duo-Servo.


**Cab:** Optional equipment includes full-width foam-rubber-topped seat and back cushion; right side extension type rectangular rear view mirror; dome light; arm rests; extra sun visor; tinted glass; cigar lighter; grab handles; sliding rear window.

**Cab, Travel-Crew:** Six-passenger, four-door, with full-width rear seat.

**Clutch:** 13-inch, 15-spring (V-8 only).

**Electrical System:** 50-amp. heavy-duty generator; 20, 35 or 50-amp. charge at idle generator. 70-amp. battery. Dual six-volt, 150-amp.-hr. batteries. Dual stop and tail lights. Dual electric horns. Front corner and marker lights. Directional signals, front and rear.

**Engine:** INTERNATIONAL BD-308, high-torque, six-cylinder, gasoline, valve-in-head type. Bore, 3 3/4 in.; stroke, 4 5/8 in.; displacement, 308 cu. in. Maximum brake horsepower, 154.3 at 3600 r.p.m.; maximum torque, 286.1 lb.-ft. at 1800 r.p.m.

**Engine Equipment:** BD-308 or V-345 equipped for operation on LP Gas. Governor; high altitude equipment; increased capacity cooling . . . V-345: Positive crankcase ventilator; magnetic tachometer. BD-308: Dry type or heavy-duty oil bath air cleaner.

**Frame:** Inverted L-shape reinforcements. Low frame chassis, 173 and 185-in. WB.

**Fuel Tanks:** 21 or 31-gal. single or dual auxiliary tanks. 43-gal. LPG pressure type tank.

**Heater and Defroster:** Recirculating and fresh air type.


**Shock Absorbers:** Direct acting, front and rear.

**Springs:** Heavy-duty, front and rear.

**Tires:** Tubeless or tubed, alternate sizes. Special treads. Underslung tire carrier.

**Transmission:** Five-speed constant mesh, direct in fifth. Synchronesh, direct or overdrive in fifth. Seven-speed, progressive shift. Exclusive INTERNATIONAL SELECT-O-MATIC, five-speed, synchronized, with hydraulic clutch, torque converter and "magic button" control. Transmission oil filter.

**Wheelbase:** 189, 219 or 238 in. for light, bulky loads. Frame: 9 3/4 x 3 1/6 x 1 3/16 in. for 238-in. WB.

**Wheels:** Disc type.

In order that product improvements may be introduced at any time, the right is reserved to change specifications without notice.
**INTERNATIONAL MODEL**

**BC-180 (4x4)**

**MAXIMUM GVW, 20,000 LB.**

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**CHASSIS DIMENSIONS**

<table>
<thead>
<tr>
<th></th>
<th>125</th>
<th>137</th>
<th>149</th>
<th>167</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wheelbase (WB)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Over-all length incl. bumper (OAL)</td>
<td>188 1/2</td>
<td>200 1/2</td>
<td>236 1/2</td>
<td>254 1/2</td>
</tr>
<tr>
<td>Back of cab to c/l of rear axle (CA)</td>
<td>60</td>
<td>72</td>
<td>84</td>
<td>102</td>
</tr>
<tr>
<td>C/l of rear axle to end of frame (AF)</td>
<td>32</td>
<td>32</td>
<td>56</td>
<td>56</td>
</tr>
<tr>
<td>Back of cab to end of frame (CF)</td>
<td>92</td>
<td>104</td>
<td>140</td>
<td>158</td>
</tr>
<tr>
<td>Bumper to back of cab (BC)</td>
<td>96 1/2</td>
<td>96 1/2</td>
<td>96 1/2</td>
<td>96 1/2</td>
</tr>
<tr>
<td>Turning radius, bumper clearance (ft.)</td>
<td>28</td>
<td>30 1/2</td>
<td>32 1/2</td>
<td>36</td>
</tr>
<tr>
<td>Weight with cab, fuel, oil, water, standard equipment, approx. (lb.)</td>
<td>6470</td>
<td>6510</td>
<td>6590</td>
<td>6640</td>
</tr>
</tbody>
</table>

Dimensions are shown in inches. Following dimensions are the same for all wheelbases with 10-22.5 tires:

- Tread: Front wheels, 72 1/2; rear, 69 3/4.
- Road clearance: Front, 11; rear, 10 3/4.
- Over-all width: Front, 84 3/4; rear, 91 1/4.

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**STANDARD SPECIFICATIONS**

**Axle, Front:** Wide-tread, single reduction, hypoid type with Carden type universals. Rated capacity, 7,500 lb. Reduction, 6.5 or 7.166 to 1.

**Axle, Rear:** Full-floating, single reduction, hypoid type. Hotchkiss type final drive. Chrome-molybdenum steel axle shafts. Differential and wheel bearings are tapered rollers. Heat-treated, one-piece, tubular banjo type steel housing, welded-on cover. Pinion is straddleshould be mounted, supported on roller bearings. Rated capacity, 16,000 lb. Reduction, 6.5 or 7.166 to 1.

**Brake, Hand:** Mounted at rear of transfer case.

**Brakes, Service:** Hydraulic, self-centering, self-energizing, internal-expanding, with power booster. Individual twin type wheel cylinders. Both primary and secondary shoes equally effective in either forward or reverse direction. Lining area, 450 sq. in.

**Cab:** Standard equipment includes adjustable, full-width, padded coil spring seat and back cushions with two-tone vinyl-coated covering; safety glass Sweep-Around windshield, windows and Silent-Vent window wings; safety type door latches; right door lock; left side extension type, rectangular rear view mirror with 2 stabilizing rods; dual electric windshield wipers; left side sun visor; ash tray; map compartment; tool compartment; vinyl-coated insulated headliner; heavy-duty floor mat; concealed inside upper steps.

**Clutch:** 12-in. diameter, single-plate, cushion disc, with coil spring vibration damper.

**Cooling System:** Centrifugal pump, balanced circulation. V-belt drive. Fin-and-tube radiator. Large capsule type thermostat. Total capacity, 19 qt.

**Electrical System:** 12-volt. Vacuum-control, full-automatic distributor. 60-amp.-hr. capacity battery. Solenoid-operated, positive-engagement, spiral-mesh type starting motor. 30-amp. generator. Dual sealed-beam headlights.

**Engine:** International Black Diamond 308, high-torque, six-cylinder, valve-in-head type. Bore, 3 3/4 in.; stroke, 4 1/2 in.; displacement, 308.252 cu. in.; compression ratio, 7.2 to 1. Maximum brake horsepower, 154.3 at 3600
r.p.m.; maximum torque, 286.1 lb.-ft. at 1800 r.p.m. Four steel-backed, replaceable-shell, precision type main bearings. Six replaceable-shell, precision type connecting rod bearings. Slo-roto exhaust valves faced with stellite alloy. Exhaust valve seat inserts. Governor.

**Equipment, Standard:** Front bumper. Combination tail and stop light. Parking lights. Horn.

**Finish:** Frame and wheels, black. Hood, cab and fenders painted in your choice of attractive standard solid colors.

**Frame:** Pressed steel channel, 9 x 3 x \(\frac{1}{3}\) in.

**Fuel System:** Horizontal diaphragm, mechanical fuel pump driven from camshaft. Fuel filter. Downdraft carburetor. Large-capacity, high efficiency, oil bath air cleaner. 21-gal. undercab fuel tank.

**Lubrication System:** Full pressure feed to all main, connecting rod and camshaft bearings. Deep sump oil pan. External gear type oil pump; wire mesh floating oil strainer. Full-flow oil filter. Oil capacity, 7 qt.

**OPTIONAL EQUIPMENT AT EXTRA COST**

**Brakes:** Increased capacity, rear; total lining area, 487.4 sq. in. Vacuum reserve tank with gauge. Low vacuum warning light.

**Cab:** Optional equipment includes: full depth foam rubber or rubber-topped seat and back cushions; individual foam-rubber-topped driver's seat, standard construction passenger seat; right side extension type rear view mirror; inside rear view mirror; dome light; arm rests; right side sun visor; tinted glass; cigar lighter; grab handles; left door lock; map compartment lock; sliding rear window and screen.

**Cab, Travel-Crew:** With full-width rear seat, extra right-side door, extra left-side window.

**Clutch:** Heavy-duty.

**Cooling System:** Increased-capacity.

**Directional Signals:** Front, single or double faced. Rear, single-faced. Type A.

**Electrical System:** 70-amp.-hr. battery. 50-amp. heavy-duty generator; 20 or 35-amp. charge at idle generator. Dual stop and tail lights. Dual electric horns. Front corner and marker lights. Front axle warning light.

**Engine:** International Black Diamond 308 equipped for operation on LP Gas . . . High altitude equipment.

**Engine:** International V-345, Y-block, short-stroke, low-friction, low-stress, eight-cylinder, valve-in-head, truck type. Bore, \(3\frac{3}{8}\) in.; stroke, \(3\frac{3}{8}\) in.; displacement, 345 cu. in.; compression ratio, 8 to 1. Maximum brake horsepower, 196.7 at 4000 r.p.m.; maximum torque, 309 lb.-ft. at 2200 r.p.m. Requires heavy-duty clutch. Not recommended with overdrive transmission . . . Magnetic tachometer.

**Finish:** Special color or two-tone combination.

**Frame:** Inverted L-shape reinforcements.

**Fuel System:** 20-gal. or 31-gal. single or dual auxiliary tanks. 43 or 62-gal. single or dual LP Gas pressure type tanks. 37 and 50-gal. safety and step tanks.

**Heater and Defroster:** Recirculating and fresh air type.

**Oil Filter:** Heavy duty.

**Power Take-Off:** Full torque type mounted at rear of transfer case.

**Shock Absorbers:** Direct acting, front and rear.

**Springs:** Heavy-duty, rear. Rubber load cushion auxiliaries, front.

**Tires:** Tubeless or tubed, alternate sizes. Special treads. Underslung or back of cab tire carrier.

**Tow Hooks:** Two, front or rear. Tow loop, rear. Pintle hook.

**Transmission:** Five-speed constant mesh, direct in fifth. Synchromesh, direct or overdrive in fifth.

In order that product improvements may be introduced at any time, the right is reserved to change specifications without notice.
INTERNATIONAL®
BC-1890
SERIES
MAX. GVW, 25,500 LB. • GCW, 55,000 LB.

CHASSIS DIMENSIONS

<table>
<thead>
<tr>
<th>Model</th>
<th>GVW Rating</th>
<th>GCW Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>BC-1890</td>
<td>21,000 lb.</td>
<td>48,000 lb.</td>
</tr>
<tr>
<td>BC-1892</td>
<td>25,500 lb.</td>
<td>48,000 lb.</td>
</tr>
<tr>
<td>BC-1895</td>
<td>Not applicable</td>
<td>55,000 lb.*</td>
</tr>
</tbody>
</table>

*Only with optional equipment.

Wheelbase (WB) .................................. 125 131 137 149 167 189
Over-all length inc. bumper (OAL) 181 187 193 229 247 312
Back of cab to c/l of rear axle (CA) 60 66 72 84 102 124
C/l rear axle to end of frame (AF) 32 32 56 56 98
Back of cab to end of frame (CF) 92 98 104 140 158 222
Turning radius, bumper clear (ft.) 23 24 24 26 29 32
Weight with cab, fuel, oil, water, std. Model BC-1890, approx. (lb.) 6070 6095 6130 6185 6240 6520

STANDARD SPECIFICATIONS


Axle, Rear: Rated capacity, 18,500 lb. Full-floating, single reduction, hypoid type. 16-in. ring gear. Hotchkiss type final drive. Induction-hardened steel axle shafts. Differential and wheel bearings are tapered rollers. Heat-treated, one-piece, tubular banjo type steel housing, welded-on cover. Pinion is straddle mounted, supported on roller bearings. Reduction, 5.375, 6.142, 6.5 or 7.16 to 1.

Brake, Hand: Propeller shaft type. Lining area, 74.46 sq. in.
Brakes, Service: Hydraulic, self-energizing, internal-expanding, with power booster. Individual twin type wheel cylinders. Both primary and secondary shoes equally effective in either forward or reverse direction. Lining area, 487.4 sq. in.

Cab: All-steel. Standard equipment includes: adjustable, full-width, padded coil spring seat and back cushions with heavy-gauge, saddle tan, sateen-backed vinyl covering; safety glass Sweep-Around windshield, windows and adjustable-tension Silent-Vent window wings with stainless steel edging; safety type door latches; door locks; left side extension type, rectangular rear view mirror with stabilizing rod; dual two-speed electric windshield wipers; left side sun visor; ash tray; map compartment; tool compartment; vinyl-coated insulated headliner; heavy-duty floor mat.

Clutch: 12-in. diameter, 15-spring, heavy-duty, single plate, cushion disc, with coil spring vibration damper.


Electrical System: 12-volt. Pressure-centrifugal control type distributor. 60-amp.-hr. capacity battery. Solenoid-operated, positive-engagement, spiral-mesh type starting motor. 30-amp. generator. Dual sealed-beam headlights.

Engine: INTERNATIONAL V-345, Y-block, short-stroke, low-friction, low-stress, eight-cylinder, gasoline, valve-in-head, truck type. Bore, 3 7/16 in.; stroke, 3 21/64 in.; displacement, 345 cu. in.; compression ratio, 8 to 1. Maximum brake horsepower, 196.7 at 4000 r.p.m.; maximum torque, 309 lb.-ft. at 2200 r.p.m. Five steel-

**Equipment, Standard:** Front bumper. Combination tail and stop light. Parking lights. Horn.

**Finish:** Frame and wheels, black. Grille, hood, cab and fenders painted in your choice of attractive standard solid colors.

**Frame:** Pressed steel channel. All WB through 167-in., 9 x 3 x 1/4 in.; 189-in. WB, 9 1/2 x 3 1/2 x 1/2 in.

**Fuel System:** Horizontal diaphragm, mechanical fuel pump driven from camshaft. Fuel filter. Downdraft carburetor. Large-capacity, high-efficiency, oil bath air cleaner. 21-gal. undercab fuel tank.

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**OPTIONAL EQUIPMENT AT ADJUSTED COST**

<table>
<thead>
<tr>
<th>Description</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Axle, Front</strong></td>
<td>*Oversize; rated capacity at ground, 9,000 lb.</td>
</tr>
<tr>
<td><strong>Axle, Rear</strong></td>
<td>Planetary two-speed, 16-in. ring gear. Rated capacity, 18,500 lb. or 23,000 lb. Gear ratio, 4.875/6.55, 5.57/7.59, 6.14/8.38 or 6.5/8.87. Air shift. Double-reduction, 7.59, 8.38 or 8.86 to 1.</td>
</tr>
<tr>
<td><strong>Bodies</strong></td>
<td>Factory-mounted, 12 or 14-ft. stake or platform.</td>
</tr>
<tr>
<td><strong>Brake, Hand</strong></td>
<td>*Heavy-duty, 12 x 5 in., Duo Servo.</td>
</tr>
<tr>
<td><strong>Brakes</strong></td>
<td>Increased capacity hydraulic. Vacuum reserve tank with gauge. Vacuum line air cleaner. Low vacuum warning light. Full air brakes; lining area, 561.8 sq. in. Semi-trailer connections with breakaway valve; hand control valve; front wheel limiting valve.</td>
</tr>
<tr>
<td><strong>Cab</strong></td>
<td>Optional equipment includes: full width foam rubber seat cushion and back cushion with foam rubber topper; recirculating and fresh air heater and defroster; tinted glass; sliding rear window; right side extension type rectangular rear view mirror; extra sun visor; cigar lighter; dome light; arm rests; grab handles.</td>
</tr>
<tr>
<td><strong>Clutch</strong></td>
<td>*Oversize, 13-in. diameter, 16-spring.</td>
</tr>
<tr>
<td><strong>Electrical System</strong></td>
<td>*Heavy-duty 50-amp. generator; 20 or 35-amp. charge at idle generator. 70-amp.-hr. battery. Two six-volt, 150-amp.-hr. batteries. Dual stop and tail lights. Dual air or electric horns. Directional signals, front and rear, hazard switch. Front corner and marker lights.</td>
</tr>
<tr>
<td><strong>Engine</strong></td>
<td>INTERNATIONAL BD-308, high-torque, six-cylinder, gasoline, valve-in-head type. Bore, 3 1/2 in.; stroke, 4 3/4 in.; displacement, 308 cu. in. Maximum brake horsepower, 154 at 3600 r.p.m.; maximum torque, 286.1 lb.-ft. at 1800 r.p.m.</td>
</tr>
</tbody>
</table>

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**Lubrication System:** Full pressure feed to all main, connecting rod and camshaft bearings. Deep sump oil pan. External gear type oil pump; wire mesh floating oil strainer. Full-flow oil filter. Oil capacity (refill), 9 qt.

**Propeller Shaft:** Large-diameter, heavy-gauge steel tubing, dynamically balanced. Needle bearing, anti-friction universal joints.

**Springs:** Semi-elliptic. Front, 46 x 2 1/4 in. Rear, 54 x 3 in.; auxiliary, 34 x 3 in.

**Steering:** Semi-reversible dual ratio, cam and roller-mounted twin lever gear. Four-scope, 19-in. safety type steering wheel.

**Tires:** Front and dual rear, 9.00 x 20, 10-ply.

**Transmission:** Five speeds forward, one reverse. Constant mesh helical gears in third, fourth and high. Large power take-off openings on right and left sides. Reductions — low, 7.35 to 1; second, 4.30 to 1; third, 2.52 to 1; fourth, 1.42; high, direct; reverse, 7.20 to 1.

**Wheels:** Cast spoke type, 7.00 rims.

*Recommended minimum optional equipment for Model BC-1895 Special, 137-in. WB tractor, accommodating 40-ft. semi-trailer in 50-ft. overall length, with GCW to 55,000 lb.*
INTERNATIONAL®

BCF-170 (6x6) SERIES

MAXIMUM GVW, 26,500 LB.

<table>
<thead>
<tr>
<th>MODEL</th>
<th>GVW RATING</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCF-170 (6 x 6)</td>
<td>22,000 lb.</td>
</tr>
<tr>
<td>BCF-172 (6 x 6)</td>
<td>26,500 lb.</td>
</tr>
</tbody>
</table>

**CHASSIS DIMENSIONS**

<p>| | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Wheelbase (WB)</td>
<td>149</td>
<td>167</td>
<td>185</td>
</tr>
<tr>
<td>Over-all length (OAL)</td>
<td>236½</td>
<td>270½</td>
<td>294½</td>
</tr>
<tr>
<td>Back of cab to center line of rear axle (CA)</td>
<td>84</td>
<td>102</td>
<td>120</td>
</tr>
<tr>
<td>Center line of rear axle to end of frame (AF)</td>
<td>56</td>
<td>72</td>
<td>78</td>
</tr>
<tr>
<td>Back of cab to end of frame (CF)</td>
<td>140</td>
<td>174</td>
<td>198</td>
</tr>
<tr>
<td>Bumper to back of cab (BC)</td>
<td>96½</td>
<td>96½</td>
<td>96½</td>
</tr>
<tr>
<td>Turning radius with bumper clearance (ft.)</td>
<td>37½</td>
<td>40½</td>
<td>44½</td>
</tr>
<tr>
<td>Weight with cab, fuel, oil, water, standard</td>
<td>8590</td>
<td>8730</td>
<td>8840</td>
</tr>
</tbody>
</table>

Model BCF-170 (6 x 6), approx. (lbs.)

Dimensions are shown in inches. The following dimensions are the same for all wheelbases with 9-22.5 tires:

- Tread: Front wheels, 73½; rear, 70 3/4.
- Road clearance: Front, 10 3/4; rear, 9.
- Over-all width: Front, 84 3/4; rear, 89 3/4.
- Height to top of frame from ground, loaded: Front, 31 3/4; rear, 34 3/4.

**STANDARD SPECIFICATIONS**

Axle, Front: Wide-tread, single reduction, hypoid type, with Carden type steering universal joints. Rated capacity, 7,500 lb.; reduction, 7.166 to 1.

Axle, Rear Tandem: Single reduction, full-floating double axle drive, hypoid type. Chrome-molybdenum steel axle shafts. Heat-treated, one-piece, tubular banjo type steel housings. Differential and wheel bearings are tapered rollers. Pinion is straddle-mounted between roller bearings. Equalizing beams and torque rods are rubber-mounted. Rated capacity, 22,000 lb.; reduction, 6.166 or 7.166 to 1. Power divider mounted on forward axle; ratio, 1.087 to 1. Total reduction, axle and power divider, 6,702 or 7,789 to 1. Driver-controlled power divider lock.

Brake, Hand: Propeller shaft type, located at rear of transfer case.

Brakes, Service: Hydraulic, self-centering, self-energizing, internal-expanding, with power booster. Individual twin type wheel cylinders. Both primary and secondary shoes equally effective in either forward or reverse direction. Lining area, 644.8 sq. in.

Cab: Standard equipment includes: adjustable, full-width, padded coil spring seat and back cushions with two-tone vinyl-coated covering; safety glass Sweep-Around windshield, windows and Silent-Vent window wings; safety type door latches; right door lock; left side extension type, rectangular rear view mirror with 2 stabilizing rods; dual electric windshield wipers; left side sun visor; ash tray; map compartment; tool compartment; vinyl-coated insulated headliner; heavy-duty floor mat; concealed inside upper steps.

Clutch: 12-in. diameter, single plate, cushion disc, with coil spring vibration damper.


INTERNATIONAL TRUCKS - World's Most Complete Line
Engine: International Black Diamond 282, high-torque, six-cylinder, valve-in-head type. Bore, 3\(\frac{1}{4}\) in.; stroke, 4\(\frac{1}{6}\) in.; displacement, 282.546 cu. in.; compression ratio, 7.2 to 1. Maximum brake horsepower, 140.5 at 3600 r.p.m.; maximum torque, 254.2 lb.-ft. at 1600 r.p.m. Four steel-backed, replaceable-shell, precision type main bearings. Six replaceable-shell, precision type connecting rod bearings. Sio-rote exhaust valves faced with stellite alloy. Exhaust valve seat inserts.


Finish: Frame and wheels, black. Grille, hood, cab and fenders painted in your choice of attractive solid standard colors.

Frame: Pressed steel channel, 8\(\frac{1}{4}\) x 3\(\frac{1}{6}\) x 5\(\frac{1}{6}\).


Lubrication System: Full pressure feed to all main, connecting rod and cam shaft bearings. Deep sump oil pan. External gear type oil pump; wire mesh floating oil strainer. Full-flow oil filter. Oil capacity, 7 qt.


Springs: Semi-elliptic. Front, 48 x 2\(\frac{1}{4}\) in. Rear, 34 x 4 in.


Tires: Front and dual rear, tubeless, 8-22.5, 8-ply, T.T.

Transfer Case: Suspension mounted, declutching type. Three-position shifting — direct; 2.25 to 1 reduction; neutral. Manual engage and disengage of front-wheel drive. Provision for mounting full torque power take-off at rear of input shaft.

Transmission: Five speeds forward, one reverse, constant mesh in 3rd, 4th and high, mounted in unit with engine. Large power take-off openings on right and left sides. Reductions: low, 6.36 to 1; second, 3.72 to 1; third, 1.92 to 1; fourth, direct; fifth .823 to 1; reverse, 6.39 to 1.

Wheels: Disc type, 6.00 rims.

OPTIONAL EQUIPMENT AT EXTRA COST

Brakes: Vacuum reserve tank with gauge. Low vacuum warning light.

Cab: Optional equipment includes: full depth foam-rubber or rubber-topped seat and back cushions; individual foam-rubber-topped driver's seat, standard construction passenger seat; right side extension type rear view mirror; inside rear view mirror; dome light; arm rests; right side sun visor; tinted glass; cigar lighter; grab handles; left door lock; map compartment lock; sliding rear window and screen.

Clutch: Heavy-duty.

Cooling System: Increased capacity.

Directional Signals: Front, single or double-faced. Rear, single-faced. Type A.

Electrical System: 70-amp.-hr. battery. 50-amp. heavy-duty generator; 20 or 35-amp. charge at idle generator. Dual stop and tail lights. Dual electric horns. Front corner and marker lights. Front axle warning light.

Engine: BD-282 equipped for operation on LP Gas . . . High altitude equipment. Heavy-duty air cleaner.

Engine: International V-304, Y-block, short-stroke, low-friction, low-stress, eight-cylinder, valve-in-head, truck type. Bore, 3\(\frac{1}{8}\) in.; stroke, 3\(\frac{1}{6}\) in.; displacement, 304 cu. in.; compression ratio, 8.2 to 1. Maximum brake horsepower, 193.1 at 4400 r.p.m.; maximum torque, 272.5 lb.-ft. at 2800 r.p.m. Requires heavy-duty clutch. Not recommended with overdrive transmission . . . Magnetic tachometer.

Finish: Special color or two-tone combination.

Frame: Inverted L-shape reinforcements.

Fuel System: 20-gal. or 31-gal. single or dual auxiliary tanks. 43 Or 62-gal. single or dual LP Gas pressure type tanks.

Governor: Velocity type.

Heater and Defroster: Recirculating and fresh air type.

Oil Filter: Removable cartridge type.

Power Take-Off: Full torque, mounted at rear of transfer case.

Shock Absorbers: Direct acting, front.

Springs: Rubber load cushion auxiliaries, front.

Tires: Tubeless or tubed, alternate sizes. Special treads. Underslung or back-of-cab tire carrier. Tire lock.

Tow Hooks: Two, front or rear. Tow loop, rear. Pintle hook.

Transmission: Five-speed synchromesh, direct or overdrive in fifth.

In order that product improvements may be introduced at any time, the right is reserved to change specifications without notice.
INTERNATIONAL

BCF-180
SERIES

MAX. GVW, 43,000 LB. • GCW, 50,000 LB.

CHASSIS DIMENSIONS

Wheelbase (WB) 137 149 167 185
Over-all length including bumper (OAL) 224½ 236½ 270½ 294½
Back of cab to center line of rear axle (CA) 72 84 102 120
C. / of rear axle to end of frame (AF) 56 56 72 78
Back of cab to end of frame (CF) 128 140 174 198
Turning radius with bumper clear. (ft.) 28 1/4 30 1/2 33 1/2 36
Weight with cab, fuel, oil, water, standard Model BCF-180, approx. (in lbs.) 8550 8620 8760 8850

STANDARD SPECIFICATIONS


Brake, Hand: Propeller shaft type, located at rear of transmission. Lining area, 74.46 sq. in.

Brakes, Service: Hydraulic, self-energizing, internal-expanding, with power booster. Individual twin type wheel cylinders. Both primary and secondary shoes equally effective in either forward or reverse direction. Lining area, 784.6 sq. in. Vacuum reserve tank required.

Cab: Standard equipment includes: Adjustable, full-width, padded coil spring seat and back cushions with heavy-gauge, saddle tan, sateen-backed vinyl covering; safety glass Sweep-Around windshield, windows and adjustable-tension Silent-Vent window wings with stainless steel edges; safety type door latches; door locks; left side extension type, rectangular rear view mirror with stabilizing rod; dual electric windshield wipers; left side sun visor; ash tray; map compartment; tool compartment; vinyl-coated insulated headliner; heavy-duty floor mat.

Clutch: 12-in. diameter, 15-spring, single plate, cushion disc, with coil spring vibration damper.


Electrical System: 12-volt. Pressure-centrifugal control type distributor. 60-amp.-hr. capacity battery. Solenoid-operated, positive-engagement, spiral-mesh type starting motor. 30-amp. generator. Dual sealed-beam headlights.


**Finish:** Frame and wheels, black. Grille, hood, cab and fenders painted in your choice of attractive standard solid colors.

**Frame:** Pressed steel channel, 8⅞ x 3⅛ x 5/16. Reinforcement recommended.

**Fuel System:** Horizontal diaphragm, mechanical fuel pump driven from camshaft. Fuel filter. Downdraft carburetor. Large capacity, high efficiency, oil bath air cleaner. 21-gal. undercab fuel tank.

**Lubrication System:** Full pressure feed to all main, connecting rod and camshaft bearings. Deep sump oil pan. External gear type oil pump; wire mesh floating oil strainer. Full-flow oil filter. Oil capacity (refill), 8 qt.

**Propeller Shaft:** Large-diameter, heavy-gauge steel tubing, dynamically balanced. Needle bearing, anti-friction universal joints.

**Springs:** Semi-elliptic. Front, 46 x 2¼ in. Rear, 34 x 4 in.

**Steering:** Semi-reversible dual ratio, cam and roller-mounted twin lever gear. Four-spoke, 19-in., safety type steering wheel.

**Tires:** Front and dual rear, 8.25 x 20 TT, 10-ply.

**Transmission:** Five speeds forward, one reverse. Constant mesh helical gears in third, fourth and high. Large power take-off opening on each side. Reductions — low, 7.35 to 1; second, 4.30 to 1; third, 2.52 to 1; fourth, 1.42 to 1; high, direct; reverse, 7.20 to 1.

**Wheels:** Cast spoke type, 6.00S rims.

### OPTIONAL EQUIPMENT AT ADJUSTED COST

| Axle, Front | Oversize, 9,000 lb. |
| Axle, Rear Tandem | Oversize, 34,000 lb.; ratios, 4.1, 4.77, 5.37, 6.14, 6.57, 7.16 or 8.16 to 1. Rubber load cushion suspension with aluminum spring saddles. Aluminum walking beams. Air or vacuum actuated differential lockout. |
| Brake, Hand | Heavy-duty, 12 x 5-in., Duo-Servo. |
| Cab | Full-width foam-rubber-topped seat and back cushions; extra extension type rectangular rear view mirror; dome light; arm rests; extra sun visor; tinted glass; cigar lighter; grab handles; sliding rear window. |
| Cab, Travel-Crew | Six-passenger, four-door, with full-width rear seat. |
| Clutch | 13-in. diameter, 15-spring (V-345 engine only). 12-in., 12-spring (BD-308 only). |
| Engine | INTERNATIONAL BD-308, high-torque, six-cylinder, gasoline, valve-in-head. Bore, 3⅛ in.; stroke, 4¾-in.; displacement, 308 cu. in. Maximum brake horsepower, 154 at 3600 r.p.m.; maximum torque, 286.1 lb.-ft. at 1800 r.p.m. |
| Engine Equipment | High altitude equipment. Increased capacity cooling . . . V-345: Positive crankcase ventilator; magnetic tachometer . . . BD-308: Heavy-duty oil bath or dry type air cleaner. LPG equipment. |
| Frame | Inverted L-shape reinforcements. |
| Fuel System | 20 or 31-gal. single or dual auxiliary tanks. |
| Heater and Defroster | Recirculating and fresh air type. Super capacity unit. |
| Springs | Heavy-duty, front. Direct-acting shock absorbers, front. |
| Tires | Tubeless or tubed, alternate sizes. Special treads. Underslung tire carrier. |
| Wheels | Disc type. Cast aluminum dual rear. |

In order that product improvements may be introduced at any time, the right is reserved to change specifications without notice.
INTERNATIONAL®

BCF-180 (6x6)

SERIES

MAXIMUM GVW, 33,000 LB.

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<th>MODEL</th>
<th>GVW RATING</th>
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<td>BCF-180 (6 x 6)</td>
<td>30,000 lb.</td>
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<tr>
<td>BCF-182 (6 x 6)</td>
<td>33,000 lb.</td>
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**Chassis Dimensions**

- Wheelbase (WB): 149 in.
- Over-all length with front bumper (OAL): 236½ ft.
- Back of cab to center line of rear axle (CA): 84 in.
- Center line of rear axle to end of frame (AF): 56 in.
- Back of cab to end of frame (CF): 140 in.
- Turning radius with bumper clearance (feet): 37 ft.
- Weight with cab, fuel, oil, water, Model BCF-180 (6 x 6), approximate (in pounds): 9060 lb.

Dimensions are shown in inches. The following dimensions are the same for all wheelbases with 8.25-20 tires:

- Tread: Front wheels, 73½ in.; rear, 70¾ in.
- Road clearance: Front, 10¾ in.; rear, 9¾ in.
- Over-all width: Front, 84 in.; rear, 90½ in.
- Height to top of frame from ground, loaded: Front, 34 in.; rear, 35½ in.

**Standard Specifications**

- **Axle, Front**: Rated capacity, 7,500 lb. Single reduction, hypoid type. Nickel molybdenum steel axle shafts. Pinion is straddle-mounted. Universals are Carden type. Reduction, 6.143, 7.166 or 7.8 to 1.
- **Brake, Hand**: Propeller shaft type, located at rear of transfer case.
- **Brakes, Service**: Hydraulic, self-energizing, internal-expanding, with power cylinder. Individual twin type wheel cylinders. Both primary and secondary shoes equally effective in either forward or reverse direction. Total lining area, 773.4 sq. in.
- **Cab**: Standard equipment includes: Adjustable, full-width, padded coil spring seat and back cushions with heavy-gauge, saddle tan, sateen-backed vinyl covering; safety glass Sweep-Around windshield, windows and adjustable-tension Silent-Vent window wings with stainless steel edges; safety type door latches; door locks; left side extension type rectangular rear view mirror with stabilizing rod; dual electric windshield wipers; left side sun visor; ash tray; map compartment; tool compartment; vinyl-coated insulated headliner; heavy-duty floor mat.
- **Clutch**: 12-in. diameter, 15-spring, single plate, cushion disc, with coil spring vibration damper.
- **Electrical System**: 12-volt. Pressure-centrifugal control type distributor. 60-amp.-hr. capacity battery. Solenoid-operated, positive-engagement, spiral-mesh type starting motor. 30-amp. generator. Dual sealed-beam headlights.

INTERNATIONAL TRUCKS - World's Most Complete Line


Finish: Frame and wheels, black. Grille, hood, cab and fenders painted in your choice of attractive solid standard colors.

Frame: Pressed steel channel, 8 1/4 x 3 1/8 x 5/8 in.


OPTIONAL EQUIPMENT AT ADJUSTED COST

Axle, Rear Tandem: Rubber load cushion suspension with aluminum spring saddles. Aluminum walking beams. Air or vacuum actuated differential lockout.

Brakes: Vacuum reserve tank with gauge. Vacuum line air cleaner. Low vacuum warning light.

Cab Equipment: Full-width foam-rubber-topped seat and back cushions; extra extension type rectangular rear view mirror; dome light; arm rests; extra sun visor; tinted glass; cigar lighter; grab handles; sliding rear window.

Cab, Travel-Crew: Six-passenger, four-door, with full-width rear seat.


Engine: INTERNATIONAL BD-308, high-torque, six-cylinder, gasoline, valve-in-head. Bore, 3 1/4 in.; stroke, 4 3/4 in.; displacement, 308 cu. in. Maximum brake horsepower, 154.3 at 3600 r.p.m.; maximum torque, 286.1 lb.-ft. at 1800 r.p.m.

Engine Equipment: High altitude equipment. Increased capacity cooling . . . V-345: Positive crankcase ventilator; magnetic tachometer . . . BD-308: Heavy-duty oil bath or dry type air cleaner. LPG equipment.

Frame: Inverted L-shape reinforcements.

Fuel System: 20 or 31-gal. single or dual auxiliary tanks.

Heater and Defroster: Recirculating and fresh air type. Super capacity unit.


Tires: Tubeless or tubed, alternate sizes. Special treads. Underslung tire carrier.


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