**Engine**

<table>
<thead>
<tr>
<th></th>
<th>770C</th>
<th>770CH</th>
<th>772CH</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Type</strong></td>
<td>John Deere PowerTech™ 6081H</td>
<td>John Deere PowerTech 6081H</td>
<td>John Deere PowerTech 6081H</td>
</tr>
<tr>
<td><strong>Rated power (SAE) @ 2,000 rpm</strong></td>
<td>166 gross hp (124 kW) / 155 net hp (116 kW)</td>
<td>192 gross hp (143 kW) / 180 net hp (134 kW)</td>
<td>196 gross hp (146 kW) / 185 net hp (138 kW)</td>
</tr>
<tr>
<td><strong>All gears</strong></td>
<td>166 gross hp (124 kW) / 155 net hp (116 kW)</td>
<td>192 gross hp (143 kW) / 180 net hp (134 kW)</td>
<td>196 gross hp (146 kW) / 185 net hp (138 kW)</td>
</tr>
<tr>
<td><strong>Gear 3</strong></td>
<td>181 gross hp (135 kW) / 170 net hp (127 kW)</td>
<td>196 gross hp (146 kW) / 185 net hp (138 kW)</td>
<td>211 gross hp (157 kW) / 200 net hp (149 kW)</td>
</tr>
<tr>
<td><strong>Gears 4–5</strong></td>
<td>196 gross hp (146 kW) / 185 net hp (138 kW)</td>
<td>226 gross hp (169 kW) / 210 net hp (157 kW)</td>
<td>226 gross hp (169 kW) / 210 net hp (157 kW)</td>
</tr>
<tr>
<td><strong>Gears 6–8 @ 2,125 and 2,150 rpm</strong></td>
<td>221 gross hp (165 kW) / 205 net hp (153 kW)</td>
<td>196 gross hp (146 kW) / 185 net hp (138 kW)</td>
<td>216 gross hp (161 kW) / 205 net hp (153 kW)</td>
</tr>
<tr>
<td><strong>Gears 1–2, HFWD on</strong></td>
<td>216 gross hp (161 kW) / 205 net hp (153 kW)</td>
<td>226 gross hp (169 kW) / 210 net hp (157 kW)</td>
<td>226 gross hp (169 kW) / 210 net hp (157 kW)</td>
</tr>
<tr>
<td><strong>Gears 3–5, HFWD on</strong></td>
<td>216 gross hp (161 kW) / 205 net hp (153 kW)</td>
<td>226 gross hp (169 kW) / 210 net hp (157 kW)</td>
<td>226 gross hp (169 kW) / 210 net hp (157 kW)</td>
</tr>
<tr>
<td><strong>Aspiration</strong></td>
<td>turbocharged with waste-gate boost pressure regulation and air-to-air aftercooler</td>
<td>turbocharged with waste-gate boost pressure regulation and air-to-air aftercooler</td>
<td>turbocharged with waste-gate boost pressure regulation and air-to-air aftercooler</td>
</tr>
<tr>
<td><strong>Number of cylinders</strong></td>
<td>6</td>
<td>6</td>
<td>6</td>
</tr>
<tr>
<td><strong>Displacement</strong></td>
<td>494 cu. in. (8.1 L)</td>
<td>494 cu. in. (8.1 L)</td>
<td>494 cu. in. (8.1 L)</td>
</tr>
<tr>
<td><strong>Fuel consumption, typical (depending on duty cycle)</strong></td>
<td>3 to 7.5 gal./hr. (11 to 29 L/h)</td>
<td>4 to 8 gal./hr. (15 to 31 L/h)</td>
<td>4 to 10.4 gal./hr. (15 to 40 L/h)</td>
</tr>
<tr>
<td><strong>Net torque @ 900 rpm (40% torque rise, except as noted)</strong></td>
<td>549 lb.-ft. (745 Nm)</td>
<td>625 lb.-ft. (847 Nm)</td>
<td>655 lb.-ft. (889 Nm)</td>
</tr>
<tr>
<td><strong>All gears</strong></td>
<td>549 lb.-ft. (745 Nm)</td>
<td>625 lb.-ft. (847 Nm)</td>
<td>655 lb.-ft. (889 Nm)</td>
</tr>
<tr>
<td><strong>Gear 3</strong></td>
<td>625 lb.-ft. (847 Nm)</td>
<td>680 lb.-ft. (922 Nm)</td>
<td>750 lb.-ft. (1025 Nm)</td>
</tr>
<tr>
<td><strong>Gears 4–5</strong></td>
<td>680 lb.-ft. (922 Nm)</td>
<td>735 lb.-ft. (997 Nm)</td>
<td>750 lb.-ft. (1025 Nm)</td>
</tr>
<tr>
<td><strong>Gears 6–8 (53% torque rise)</strong></td>
<td>682 lb.-ft. (925 Nm)</td>
<td>750 lb.-ft. (1025 Nm)</td>
<td>750 lb.-ft. (1025 Nm)</td>
</tr>
<tr>
<td><strong>Gears 1–2, HFWD on</strong></td>
<td>655 lb.-ft. (889 Nm)</td>
<td>726 lb.-ft. (985 Nm)</td>
<td>750 lb.-ft. (1025 Nm)</td>
</tr>
<tr>
<td><strong>Gears 3–5, HFWD on</strong></td>
<td>655 lb.-ft. (889 Nm)</td>
<td>726 lb.-ft. (985 Nm)</td>
<td>750 lb.-ft. (1025 Nm)</td>
</tr>
<tr>
<td><strong>Gears 6–7, HFWD on (53% torque rise)</strong></td>
<td>750 lb.-ft. (1025 Nm)</td>
<td>750 lb.-ft. (1025 Nm)</td>
<td>750 lb.-ft. (1025 Nm)</td>
</tr>
<tr>
<td><strong>Lubrication</strong></td>
<td>pressure system with full-flow filter and cooler</td>
<td>pressure system with full-flow filter and cooler</td>
<td>pressure system with full-flow filter and cooler</td>
</tr>
<tr>
<td><strong>Air cleaner with restriction indicator</strong></td>
<td>dual element, dry, with tangential unloader</td>
<td>dual element, dry, with tangential unloader</td>
<td>dual element, dry, with tangential unloader</td>
</tr>
<tr>
<td><strong>Electrical system</strong></td>
<td>24 volt with 55-amp (1320 W) alternator</td>
<td>24 volt with 55-amp (1320 W) alternator</td>
<td>24 volt with 55-amp (1320 W) alternator</td>
</tr>
<tr>
<td><strong>Batteries (two 12 volt)</strong></td>
<td>750 cold-cranking amps, 150-min. reserve capacity</td>
<td>1,400 cold-cranking amps, 440-min. reserve capacity</td>
<td>1,400 cold-cranking amps, 440-min. reserve capacity</td>
</tr>
<tr>
<td><strong>Aspiration</strong></td>
<td>turbocharged with waste-gate boost pressure regulation and air-to-air aftercooler</td>
<td>turbocharged with waste-gate boost pressure regulation and air-to-air aftercooler</td>
<td>turbocharged with waste-gate boost pressure regulation and air-to-air aftercooler</td>
</tr>
<tr>
<td><strong>Maximum turning radius</strong></td>
<td>22 ft. (6.7 m)</td>
<td>22 ft. (6.7 m)</td>
<td>22 ft. 6 in. (6.86 m)</td>
</tr>
<tr>
<td><strong>Overall width (top of tires)</strong></td>
<td>105 in. (2.67 m)</td>
<td>104 in. (2.64 m)</td>
<td>105 in. (2.67 m)</td>
</tr>
<tr>
<td><strong>Wheel tread (on ground)</strong></td>
<td>86 in. (2.16 m)</td>
<td>85 in. (2.16 m)</td>
<td>85 in. (2.16 m)</td>
</tr>
<tr>
<td><strong>Ground clearance (front axle)</strong></td>
<td>26 in. (663 mm)</td>
<td>26 in. (663 mm)</td>
<td>26 in. (663 mm)</td>
</tr>
</tbody>
</table>

**Steering**

All-hydraulic-power frame articulation for maneuverability and productivity; crab steering reduces side drift, positions tandems on firm ground, and increases side slope stability; 25-degree frame articulation (both right and left)

**Front-Wheel Drive**

Automatic dual path; increases tractive effort and front-end control; includes separate left and right systems with variable displacement pumps, axial piston wheel motors, free wheel at transport speeds, operator-selectable 15-position rotary aggressiveness control, inching capability down to 0 mph, and on-off control

Effective in gears 1–7 forward and reverse

Hydrostatic pumps (2) | 3.9 cu. in. (64 cm³) each |
Wheel motors, variable displacement | 1.2 to 3.7 cu. in. (20 to 90 cm³) |
Final reduction | 38:1 |

**Tires and Rims**

<table>
<thead>
<tr>
<th>Tire size</th>
<th>Front</th>
<th>Rear</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.00-24 on 10-in. (254 mm) rim</td>
<td>83 in. (2.11 m)</td>
<td>82 in. (2.08 m)</td>
</tr>
<tr>
<td>Overall width (top of tires)</td>
<td>99 in. (2.51 m)</td>
<td>98 in. (2.49 m)</td>
</tr>
<tr>
<td>Ground clearance (front axle)</td>
<td>25.1 in. (638 mm)</td>
<td>25.1 in. (638 mm)</td>
</tr>
<tr>
<td>17.5-25 on 14-in. (356 mm) rim</td>
<td>86 in. (2.18 m)</td>
<td>85 in. (2.16 m)</td>
</tr>
<tr>
<td>Overall width (top of tires)</td>
<td>105 in. (2.67 m)</td>
<td>104 in. (2.64 m)</td>
</tr>
<tr>
<td>Ground clearance (front axle)</td>
<td>25.1 in. (638 mm)</td>
<td>25.1 in. (638 mm)</td>
</tr>
<tr>
<td>Productivity</td>
<td>770C</td>
<td>770CH</td>
</tr>
<tr>
<td>--------------</td>
<td>------</td>
<td>-------</td>
</tr>
<tr>
<td>Maximum blade pull*</td>
<td>27,810 lb. (12 612 kg)</td>
<td>27,990 lb. (12 694 kg)</td>
</tr>
<tr>
<td>*At maximum weight, no wheel slip, and 0.9 traction coefficient.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Operating Weights (SAE)

Typically equipped operating weights range:

- **up to** 38,520 lb. (17 492 kg) 41,140 lb. (18 655 kg)
- **With standard equipment**
  - Front: 8,790 lb. (3986 kg) 10,210 lb. (4630 kg)
  - Rear: 22,510 lb. (10 091 kg) 22,910 lb. (10 273 kg)
  - **Total**: 31,300 lb. (14 195 kg) 33,230 lb. (15 070 kg)
- **With standard equipment and front scarifier**
  - Front: 9,910 lb. (4494 kg) 11,330 lb. (5138 kg)
  - Rear: 26,120 lb. (11 846 kg) 26,520 lb. (12 028 kg)
  - **Total**: 36,030 lb. (16 340 kg) 37,850 lb. (17 166 kg)

### Transmission 770C / 770CH / 772CH

- **Type**: Direct-drive John Deere PowerShift Plus™, modulated shift on-the-go, five working speeds below 9 mph (15 km/h), inching pedal @ 2,000 rpm with 14.00-24 tires
- **Forward and Reverse**
  - Shift lever position 1: 2.2 mph (3.5 km/h)
  - Shift lever position 2: 3.1 mph (5.0 km/h)
  - Shift lever position 3: 4.4 mph (7.1 km/h)
  - Shift lever position 4: 6.2 mph (10.0 km/h)
  - Shift lever position 5: 9.3 mph (15.0 km/h)
  - Shift lever position 6: 13.1 mph (21.1 km/h)
  - Shift lever position 7: 18.3 mph (29.5 km/h)
  - Shift lever position 8: 25.8 mph (41.5 km/h)

### Final Drives

- Spiral bevel differential, inboard-mounted planetary sealed in cool, filtered oil; operator-controlled differential lock/unlock; 2-in. (51 mm) pitch tandem drive chains

### Front Axle

- Heavy-duty, welded box construction; 32-degree front axle oscillation (total); 20-degree wheel lean (each direction)

### Brakes

- Foot-controlled, hydraulically operated, multiple wet-disc brakes sealed in cool, filtered oil; self adjusting, maintenance free; includes spring-applied, hydraulically released parking brake; both independent braking systems effective on all four tandem wheels

### Hydraulic System

- **Type**: Closed center, pressure-controlled variable-displacement single hydraulic pump, integral hydraulic control valve, O-ring face seal fittings
- **Hydraulic pump**: 5.5 cu. in. (90 cm³)
- **Rated flow @ 2,000 rpm**: .54.7 gpm (207 L/min.)
- **Standby pressure**: 2,550 psi

### Blade Function

- All-hydraulic, industry preferred hand-lever placement of blade-function controls; includes float position; easy conversion from two-hand to one-hand blade-lift control; seven blade-lift arm positions
- **Blade range**
  - Lift above ground: 18.5 in. (470 mm)
  - Blade side shift, right or left: 26.9 in. (683 mm)
  - Shoulder reach outside wheels (frame straight): .83 in. (2.11 m)
  - Shoulder reach outside wheels (frame straight): .85 in. (2.16 m)
- **Pitch at ground line**: 49 degrees forward / 5 degrees back

### ROPS

**Mainframe** 770C / 770CH / 772CH  
Type ............................................... welded box construction  
Width, minimum .................................. 12.07 in. (306.5 mm)  
Height, minimum .................................. 10.63 in. (270 mm)  
Thickness  
  Sides ................................................. 0.63 in. (16 mm)  
  Top and bottom .................................. 1 in. (25 mm)  
Weight per ft., minimum ......................... 118 lb.-ft. (175.5 kg/m)  
Minimum vertical section modulus ............... 117 cu. in. (1917 cm³)  
Average vertical section modulus at saddle ... 149 cu. in. (2448 cm³)  

**Draft Frame**  
Welded box construction machined for flatness with double ball-and-socket pivot connection, equipped with replaceable wear inserts  

**Circle**  
Type ............................................... welded construction, heat treated for strength, machined for flatness, equipped with replaceable wear inserts  
Circle diameter .................................. 60 in. (1.52 m)  
Rotation ............................................ 360 degrees  
Drive ................................................. hydraulic motor and worm gear with positive position lock  
Side shift  
  Right .............................................. 28.5 in. (724 mm)  
  Left .................................................. 31 in. (787 mm)  

**Moldboard**  
Type ............................................... high-strength, wear-resistant, high-carbon steel, equipped with replaceable side-shift wear inserts  
Length .............................................. 12 ft. (3.66 m)  
Height ................................................ 24 in. (610 mm)  
Thickness .......................................... 0.88 in. (22 mm)  

**Cutting Edge**  
Type ............................................... Dura-Max® through-hardened steel edge  
Thickness and width  
  .................................................. 0.62 x 6 in. (16 x 152 mm)  

**Front Scarifier**  
Type ............................................... V-type manual two-pitch position with hydraulic float  
Width of cut ....................................... 4 ft. (1.22 m)  
Number of teeth  
  5 standard, 9 optional  
Lift above ground ................................ 21.8 in. (554 mm)  
Maximum penetration ......................... 13.3 in. (338 mm)  
Shank size ....................................... 1 x 3 in. (25 x 76 mm)  

**Rear Ripper / Scarifier**  
Type ............................................... parallelogram linkage with manual valve control and hydraulic float, tool bar for five ripper and nine scarifier shanks  
Ripper  
  Width of cut ...................................... 7 ft. 3 in. (2.21 m)  
  Number of shanks  
  3 standard, 5 optional  
  Lift above ground ................................ 22.4 in. (569 mm)  
  Maximum penetration ....................... 17 in. (432 mm)  
  Shank size .................................... 2.25 x 5.5 in. (57 x 140 mm)  
Scarifier  
  Width of cut ...................................... 7 ft. 3 in. (2.21 m)  
  Number of teeth ................................ 9  
  Lift above ground  
  27.8 in. (706 mm)  
  Maximum penetration ....................... 11.7 in. (297 mm)  
  Shank size .................................... 1 x 3 in. (25 x 76 mm)  

**Capacities (U.S.)**  
Fuel tank ........................................ 106 gal. (403 L)  
Cooling system .................................... 12 gal. (46 L)  
Engine lubrication, including filter ........... 30 qt. (29 L)  
Transmission .................................... 10 gal. (38 L)  
Differential housing  
  .................................................. 9.5 gal. (36 L)  
Tandem housings (each) ......................... 20 gal. (75 L)  
Circle gearbox .................................. 4 qt. (3.8 L)  
Hydraulic reservoir  
  .................................................. 15.5 gal. (59 L)
Dimensions 770C / 770CH / 772CH

A Height to top of cab*.................................10 ft. 3 in. (3.12 m)
B Height to top of exhaust............................10 ft. 6 in. (3.2 m)
C Height to top of blade-lift cylinders............9 ft. 9 in. (2.97 m)
D Tandem axle spacing.................................5 ft. 0.8 in. (1.54 m)
E Blade base................................................8 ft. 9 in. (2.67 m) *Add 8.3 in. (210 mm) for full-height cab.
F Wheelbase................................................19 ft. 7 in. (5.97 m)
G Overall length............................................28 ft. 3 in. (8.61 m)
H Overall length with scarifier........................30 ft. 7 in. (9.32 m)
I Overall length with scarifier and ripper.......33 ft. 6 in. (10.21 m)

Optional or Special Equipment With Approximate Weights 770C / 770CH / 772CH

Add these weights to SAE standard equipment operating weight to obtain total operating weight.

- Coolant heater ...................................................2 lb. (1 kg)
- Rotary ejector precleaner ..................................12 lb. (5 kg)
- Alternator, 100 amp (2400 W) .........................17 lb. (8 kg)
- Blade lights (two mounted under cab) ...............4 lb. (2 kg)
- Worklights (two front, two rear) ......................12 lb. (5 kg)
- 24-volt to 12-volt 5-amp converter .................3 lb. (1 kg)
- 24-volt to 12-volt 10-amp converter ...............3 lb. (1 kg)
- Auxiliary function valve for front-mounted equipment ........................................3 lb. (1 kg)
- Auxiliary function valve for rear-mounted equipment ........................................50 lb. (23 kg)
- Hydraulics for front-mounted equipment ............19 lb. (9 kg)
- Moldboards with through-hardened Dura-Max cutting edge
  - 12 ft. x 24 in. (3.66 m x 610 mm) with 0.75 x 8 in. (19 x 203 mm) ...........126 lb. (57 kg)
  - 13 ft. x 24 in. (3.96 m x 610 mm) with 0.62 x 6 in. (16 x 152 mm) .......60 lb. (27 kg)
  - 13 ft. x 24 in. (3.96 m x 610 mm) with 0.75 x 8 in. (19 x 203 mm) .......119 lb. (54 kg)
  - 14 ft. x 24 in. (4.27 m x 610 mm) with 0.62 x 6 in. (16 x 152 mm) .....196 lb. (89 kg)
  - 14 ft. x 24 in. (4.27 m x 610 mm) with 0.75 x 8 in. (19 x 203 mm) .......265 lb. (120 kg)
- Extensions, 2 ft. (610 mm) right or left (less cutting edge) ........................................220 lb. (100 kg)
- Overlay end bits (one pair)
  - For 6-in. (152 mm) cutting edge .................62 lb. (28 kg)
  - For 8-in. (203 mm) cutting edge .................77 lb. (35 kg)
- Extreme-duty circle and moldboard side-shift wear inserts .....................................39 lb. (18 kg)
- Bottom guard, heavy duty................................350 lb. (159 kg)
- Dozer blade, front mounted – 106 x 31.6 in. (2.69 m x 803 mm) .........................1,490 lb. (676 kg)
- Dozer blade, front mounted – 106 x 31.6 in. (2.69 m x 803 mm) lift above ground 4.3 in. (109 mm) dig below ground / 29.9 in. (759 mm) lift above ground

Front weight .............................................550 lb. (250 kg)
Push block, front .......................................1,750 lb. (793 kg)
Rear hitch ...................................................61 lb. (28 kg)
Ripper/scarifier, rear mounted with hitch, three ripper shanks, and nine scarifier teeth ......3,000 lb. (1350 kg)
Scarifier, front mounted with five teeth ..........1,730 lb. (785 kg)

Tires

- 14.00-24, 12 PR GR ..................................108 lb. (49 kg)
- 17.5-25, 12 PR L2 ....................................372 lb. (169 kg)
- 18.4-24, 10 PR G2 ....................................534 lb. (242 kg)
- 14.00-R24, Radial, XGLA-2 ..........................426 lb. (193 kg)
- 14.00-R24, Radial, SnoPlus ..........................570 lb. (259 kg)
- 17.5-R25, Radial, XTLA ...............................558 lb. (253 kg)
- 17.5-R25, Radial, SnoPlus ..........................684 lb. (310 kg)
- 10-in. x 24-in. multi-piece rims .......................438 lb. (199 kg)
- 14-in. x 25-in. multi-piece rims .......................561 lb. (254 kg)

Air conditioner, roof mounted with ducting,
R134a refrigerant, pressurizer, and heavy-duty alternator ...........................................177 lb. (80 kg)
Cab, full height with ROPS ..................................82 lb. (37 kg)
Canopy, low profile with ROPS .........................226 lb. (~ 103 kg)
Control conversion (moves left-hand blade control to right-hand side) .........................2 lb. (1 kg)
Defroster fan ..............................................4 lb. (2 kg)
Defroster fans (dual) .....................................8 lb. (4 kg)
Heater, roof mounted with ducting – 40,000 Btu/hr. (11.7 kW) with pressurizer ..............31 lb. (14 kg)
Heater, under seat – 20,000 Btu/hr. (5.8 kW) .15 lb. (7 kg)
Windows, openable lower front ......................7 lb. (3 kg)
Wipers/washers, lower-front windows ..............7 lb. (3 kg)
### Key
- **●** Standard equipment
- **▲** Optional or special equipment

#### 670C / 670CH / 672CH / 770C / 772CH Series II Motor Graders

<table>
<thead>
<tr>
<th><strong>670C</strong></th>
<th><strong>670CH</strong></th>
<th><strong>770C</strong></th>
<th><strong>770CH</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Engine</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>- Meets EPA Tier II non-road emissions regulations</td>
<td>- Self-diagnostic with service-code display</td>
<td>- Rubber isolation mounting to reduce noise and vibration</td>
<td>- Attitude-compensating turbocharger</td>
</tr>
<tr>
<td>- Quick-release dual-stage fuel filter with primer pump</td>
<td>- Fuel/water separator and visual sediment bowl</td>
<td>- Dual air cleaner elements, radial seal, dry type</td>
<td>- Rotary ejector precleaner</td>
</tr>
<tr>
<td>- Rotating blow-off valve for clean-up</td>
<td>- Air-to-air cleaner for smoke control</td>
<td>- Self-dimming muffle with curved stack</td>
<td>- Blower-type cooling fan</td>
</tr>
<tr>
<td>- Variable horsepower</td>
<td>- Electric fuel shutoff</td>
<td>- Safety fan guard</td>
<td>- Variable engine speed control</td>
</tr>
<tr>
<td>- Safety fan guard</td>
<td>- Extended-life engine coolant −34°F (−37°C)</td>
<td>- Engine coolant surge tank</td>
<td>- Engine coolant heater, 1,000 W, 110 volt</td>
</tr>
<tr>
<td>- Serpentine belt with automatic tensioner</td>
<td>- Electric engine coolant heater, 1,000 W, 110 volt</td>
<td>- Engine coolant surge tank</td>
<td>- Serpentine belt with automatic tensioner</td>
</tr>
<tr>
<td>- Electric ice manifold heaters for cold-weather starting</td>
<td></td>
<td></td>
<td>- Electric ice manifold heaters for cold-weather starting</td>
</tr>
<tr>
<td>- Glow plugs</td>
<td>- Engine coolant heater, 1,000 W, 110 volt</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Transmission
- **●** John Deere PowerShift Plus™, direct drive, counterbalance, eight speeds forward and eight speeds reverse
- **▲** Electronic shift modulation
- **▲** Over-speed protection
- **▲** Self-diagnostic with service-code display
- **▲** Industry standard U-shaped shift pattern
- **▲** Transmission neutral lock, safety start switch
- **▲** Rubber isolation mounting to reduce noise and vibration
- **▲** Easy-access vertical spin-on oil filter
- **▲** Separate oil lubrication, filtration, and cooling system
- **▲** Quick-disconnect transmission test ports
- **▲** Operator-controlled, hydraulically operated differential lock
- **▲** Spiral bevel planetary final drives
- **▲** Separate oil lubrication, filtration, and cooling system
- **▲** Inboard/wet multi-disc brakes
- **▲** Primary and secondary brakes, SAE J / ISO 3450
- **▲** Spring-applied, hydraulically released parking brake, SAE J / ISO 3450

### Axle, Final Drive, and Brakes
- **●** Operator-controlled, hydraulically operated differential lock
- **▲** Spiral bevel planetary final drives
- **▲** Separate oil lubrication, filtration, and cooling system
- **▲** Inboard/wet multi-disc brakes
- **▲** Primary and secondary brakes, SAE J / ISO 3450
- **▲** Spring-applied, hydraulically released parking brake, SAE J / ISO 3450

### Electrical (continued)
- **●** Separate reservoir, filter, and cooling system
- **●** Air-to-air coolers, axial-piston main pump
- **●** 40,000 Btu/hr. (11.7 kW), roof mounted heater
- **●** Air-to-air aftercooling for low-engine-speed loading
- **●** Convertion kit from two-hand to one-hand blade lift
- **●** Hydraulic pump disconnect for cold-weather start starting
- **●** HFWD (672CH and 772CH only)

### Blade Functions
- **●** Industry preferred control pattern
- **●** Seven-position saddle
- **●** Double ball and socket for extreme-reach positions left and right
- **●** Replaceable wear inserts
- **●** Nylon wear inserts
- **●** Extreme-service bronze wear inserts
- **●** 360-degree rotation
- **●** Circle drive with slip clutch
- **●** Moldboard
  - 12-ft. x 24-in. x 0.88-in. (3.66 m x 610 mm x 22 mm) high strength, wear resistant
  - 12-ft. x 24-in. x 0.88-in. (3.66 m x 610 mm x 22 mm) high strength, wear resistant
  - 14-ft. x 24-in. x 0.88-in. (4.27 m x 610 mm x 22 mm) high strength, wear resistant
  - Standard-duty wear inserts

### Cutting Edge
- **●** 0.62-in. x 6-in. (16 mm x 152 mm) DuraMax® through-hardened steel
- **●** 0.75-in. x 6-in. (19 mm x 152 mm) DuraMax through-hardened steel

### Front Attachments
- **●** Push block
- **●** Front weight, 550 lb.
- **●** V-type scarifier with float position, five shanks
- **●** Dozer blade