| ENGINE | 548G-II | 648G-II | 748G-II |
|---|---|---|---|
| Type | John Deere 6068T with altitude-compensating, spark-arresting turbocharger | John Deere 6068T with altitude-compensating, spark-arresting turbocharger | John Deere 6081T with altitude-compensating, spark-arresting turbocharger |
| Rated power | 119 SAE net hp (89 kW) / 127 SAE gross hp (95 kW) @ 2,200 rpm | 153 SAE net hp (114 kW) / 160 SAE gross hp (119 kW) @ 2,200 rpm | 169 SAE net hp (126 kW) / 177 SAE gross hp (132 kW) @ 2,200 rpm |
| Cylinders | 6 | 6 | 6 |
| Displacement | 414 cu. in. (6.8 L) | 414 cu. in. (6.8 L) | 494 cu. in. (8.1 L) |
| Maximum net torque | 39% @ 1,400 rpm<br>398 lb.-ft. (537 Nm) | 36% @ 1,350 rpm<br>497 lb.-ft. (670 Nm) | 37% @ 1,350 rpm<br>554 lb.-ft. (747 Nm) |
| Fuel consumption, typical | 3.7 to 5.5 gal./hr. (14 to 21 L/h) | 4.6 to 6.9 gal./hr. (17 to 26 L/h) | 5.3 to 8.0 gal./hr. (20 to 30 L/h) |
| Air cleaner | dual stage with safety element and dust unloader valve | dual stage with safety element and dust unloader valve | dual stage with safety element and dust unloader valve |
| Cooling system | heavy-duty radiator with in-line core coolant recovery reservoir | heavy-duty radiator with in-line core coolant recovery reservoir | heavy-duty radiator with in-line core coolant recovery reservoir |
| Cooling fan | blower | blower | blower |
| Lubrication | pressure system with oil cooler | pressure system with oil cooler | pressure system with oil cooler |
| Oil filter | vertically-mounted spin-on | vertically-mounted spin-on | vertically-mounted spin-on |
| Electrical system | 12 volt with 65-amp alternator | 12 volt with 65-amp alternator | 12 volt with 135-amp alternator |
| Battery (two 12 volt) | reserve capacity: 360 min., 1,850 CCA | reserve capacity: 360 min., 1,850 CCA | reserve capacity: 360 min., 1,850 CCA |

| TRANSMISSION | | | |
|---|---|---|---|
| Type | direct-drive power shift | direct-drive power shift | direct-drive power shift |
| Oil filtration | 10 micron pressure side with by-pass | 10 micron pressure side with by-pass | 10 micron pressure side with by-pass |

| AXLES | | | |
|---|---|---|---|
| Final drives | heavy-duty planetary, mounted inboard | heavy-duty planetary, mounted inboard | heavy-duty planetary, mounted inboard |
| Differentials | hydraulic locking, operated on the go | hydraulic locking, operated on the go | hydraulic locking, operated on the go |
| Front axle oscillation | 30 degrees, stop to stop | 30 degrees, stop to stop | 30 degrees, stop to stop |

| BRAKES | | | |
|---|---|---|---|
| Service brakes | long-life, inboard-mounted wet disc oil cooled, self-adjusting and equalizing front and rear axles | long-life, inboard-mounted wet disc oil cooled, self-adjusting and equalizing front and rear axles | long-life, inboard-mounted wet disc oil cooled, self-adjusting and equalizing front and rear axles |
| Parking brake | automatically spring-applied, hydraulically-released, sealed and lubricated, wet multi-disc, integrally mounted in transmission | automatically spring-applied, hydraulically-released, sealed and lubricated, wet multi-disc, integrally mounted in transmission | automatically spring-applied, hydraulically-released, sealed and lubricated, wet multi-disc, integrally mounted in transmission |

**POWER TRAIN PERFORMANCE**

| No tire slip | *with 28L-26 tires* *maximum speed @ 2,200 rpm mph (km/h)* | *maximum drawbar @ peak torque lb. (kN)* | *with 30.5-32 tires* *maximum speed @ 2,200 rpm mph (km/h)* | *maximum drawbar @ peak torque lb. (kN)* | *with 30.5-32 tires* *maximum speed @ 2,200 rpm mph (km/h)* | *maximum drawbar @ peak torque lb. (kN)* |
|---|---|---|---|---|---|---|
| Forward | | | | | | |
| Gear 1 | 1.5 (2.4) | 38,208 (171) | 1.7 (2.8) | 39,665 (178) | 1.7 (2.8) | 47,598 (213) |
| Gear 2 | 2.0 (3.2) | 28,780 (129) | 2.3 (3.7) | 29,877 (134) | 2.3 (3.7) | 35,852 (161) |
| Gear 3 | 2.6 (4.2) | 21,625 (97) | 3.0 (4.9) | 22,451 (101) | 3.0 (4.9) | 26,941 (121) |
| Gear 4 | 3.5 (5.6) | 16,289 (73) | 4.0 (6.5) | 16,910 (76) | 4.0 (6.5) | 20,292 (91) |
| Gear 5 | 4.6 (7.4) | 12,193 (55) | 5.4 (8.7) | 12,658 (57) | 5.4 (8.7) | 15,190 (68) |
| Gear 6 | 6.1 (9.9) | 9,183 (41) | 7.2 (11.5) | 9,533 (43) | 7.2 (11.5) | 11,440 (51) |
| Gear 7 | 9.1 (14.7) | 6,178 (28) | 10.7 (17.1) | 6,399 (29) | 10.7 (17.1) | 7,679 (34) |
| Gear 8 | 12.1 (19.5) | 4,654 (21) | 14.1 (22.8) | 4,832 (22) | 14.1 (22.8) | 5,798 (26) |
| Reverse | | | | | | |
| Gear 1 | 1.5 (2.4) | 38,208 (171) | 1.7 (2.8) | 39,665 (178) | 1.7 (2.8) | 47,598 (213) |
| Gear 2 | 2.0 (3.2) | 28,780 (129) | 2.3 (3.7) | 29,877 (134) | 2.3 (3.7) | 35,852 (161) |
| Gear 3 | 2.6 (4.2) | 21,625 (97) | 3.0 (4.9) | 22,451 (101) | 3.0 (4.9) | 26,941 (121) |
| Gear 4 | 3.5 (5.6) | 16,289 (73) | 4.0 (6.5) | 16,910 (76) | 4.0 (6.5) | 20,292 (91) |
| Gear 5 | 4.6 (7.4) | 12,193 (55) | 5.4 (8.7) | 12,658 (57) | 5.4 (8.7) | 15,190 (68) |
| Gear 6 | 6.1 (9.9) | 9,183 (41) | 7.2 (11.5) | 9,533 (43) | 7.2 (11.5) | 11,400 (51) |
| Gear 7 | 9.1 (14.7) | 6,178 (28) | 10.7 (17.1) | 6,399 (29) | 10.7 (17.1) | 7,679 (34) |

| STEERING | | | |
|---|---|---|---|
| Frame articulation | 90 degrees total, stop to stop | 90 degrees total, stop to stop | 90 degrees total, stop to stop |
| Steering wheel with Orbitrol™ valve | | | |

| HYDRAULIC SYSTEM | 548G-II | 648G-II | 748G-II |
|---|---|---|---|
| Pump | variable-displacement axial piston | variable-displacement axial piston | variable-displacement axial piston |
| Maximum rated flow | 27 gpm (102 L/min.) @ 2,200 rpm | 42 gpm (159 L/min.) @ 2,200 rpm | 42 gpm (159 L/min.) @ 2,200 rpm |
| Pressure | 3,000 psi (20 684 kPa) | 3,000 psi (20 684 kPa) | 3,000 psi (20 684 kPa) |
| Oil filtration | one 10 micron return oil with by-pass | one 10 micron return oil with by-pass | one 10 micron return oil with by-pass |

| WINCH (OPTIONAL) | | | | | | |
|---|---|---|---|---|---|---|
| Type | sealed, wet multi-disc clutch and brake pressurized lubrication single lever control | | sealed, wet multi-disc clutch and brake pressurized lubrication single lever control | | sealed, wet multi-disc clutch and brake pressurized lubrication single lever control | |
| Cable capacity | *4000 (8-in. drum)* | *4000 (10-in. drum)* | *4000 (8-in. drum)* | *4000 (10-in. drum)* | | *6000 (11-in. drum)* |
| 0.625-in. (15.8 mm) cable | 254 ft. (77.4 m) | 199 ft. (60.6 m) | 254 ft. (77.4 m) | 199 ft. (60.6 m) | | 373 ft. (114 m) |
| 0.75-in. (19.1 mm) cable | 179 ft. (54.6 m) | 141 ft. (43 m) | 179 ft. (54.6 m) | 141 ft. (43 m) | | 263 ft. (80.2 m) |
| 0.875-in. (22.2 mm) cable | 129 ft. (39.3 m) | 101 ft. (30.8 m) | 129 ft. (39.3 m) | 101 ft. (30.8 m) | | 189 ft. (58 m) |
| 1-in. (25.4 mm) cable | 100 ft. (30.5 m) | 78 ft. (23.8 m) | 100 ft. (30.5 m) | 78 ft. (23.8 m) | | 147 ft. (45 m) |
| Linepull @ peak engine and 0.625-in. (15.8 mm) cable | *bare drum* | *full drum* | *bare drum* | *full drum* | *bare drum* | *full drum* |
| 4000 (8-in. drum high speed) | 34,786 lb. (155 kN) | 21,437 lb. (95 kN) | 41,860 lb. (186 kN) | 25,797 lb. (115 kN) | | |
| 4000 (8-in. drum standard speed) | 40,525 lb. (180 kN) | 24,974 lb. (111 kN) | 48,767 lb. (217 kN) | 30,053 lb. (134 kN) | | |
| 4000 (10-in. drum high speed) | 32,985 lb. (147 kN) | 24,974 lb. (111 kN) | 39,694 lb. (177 kN) | 30,053 lb. (134 kN) | | |
| 6000 | | | | | 46,861 lb. (208 kN) | 29,763 lb. (135 kN) |
| Line speed @ 2,200 rpm and 0.625-in. (15.8 mm) cable | *bare drum* | *full drum* | *bare drum* | *full drum* | *bare drum* | *full drum* |
| 4000 (8-in. drum high speed) | 146 fpm (44.5 m/min.) | 242 fpm (73.8 m/min.) | 146 fpm (44.5 m/min.) | 242 fpm (73.8 m/min.) | | |
| 4000 (8-in. drum standard speed) | 131 fpm (40.0 m/min.) | 218 fpm (66.4 m/min.) | 131 fpm (40.0 m/min.) | 218 fpm (66.4 m/min.) | | |
| 4000 (10-in. drum high speed) | 157 fpm (47.9 m/min.) | 208 fpm (63.4 m/min.) | 157 fpm (47.9 m/min.) | 208 fpm (63.4 m/min.) | | |
| 6000 | | | | | 145 fpm (44.2 m/min.) | 228 fpm (69.5 m/min.) |

| GROUND PRESSURE DATA | | | | | |
|---|---|---|---|---|---|
| Tires | *single function* | *single function* | *dual function* | *single function* | *dual function* |
| 23.1-26 | 7.3 psi (50.3 kPa) | | | | |
| 28L-26 | 6.1 psi (42.2 kPa) | 7.2 psi (49.7 kPa) | | | |
| 24.5-32 | 6.6 psi (45.7 kPa) | 7.8 psi (53.7 kPa) | 8.2 psi (56.7 kPa) | 8.6 psi (60.3 kPa) | 9.0 psi (62.2 kPa) |
| 30.5-32 | 5.5 psi (38.2 kPa) | 6.5 psi (44.6 kPa) | 6.8 psi (47.0 kPa) | 7.2 psi (49.9 kPa) | 7.5 psi (51.5 kPa) |
| 67-34-25 or 26 | 5.5 psi (38.1 kPa) | 6.5 psi (44.6 kPa) | 6.8 psi (47.0 kPa) | 7.2 psi (49.9 kPa) | 7.5 psi (51.5 kPa) |
| 66-43-25 or 26 | 4.7 psi (32.1 kPa) | 5.5 psi (37.6 kPa) | 5.8 psi (39.6 kPa) | 6.1 psi (42.1 kPa) | 6.3 psi (43.5 kPa) |
| 69-50-32 | 3.8 psi (26.0 kPa) | 4.4 psi (30.1 kPa) | 4.6 psi (31.6 kPa) | 4.9 psi (33.4 kPa) | 5.0 psi (34.4 kPa) |

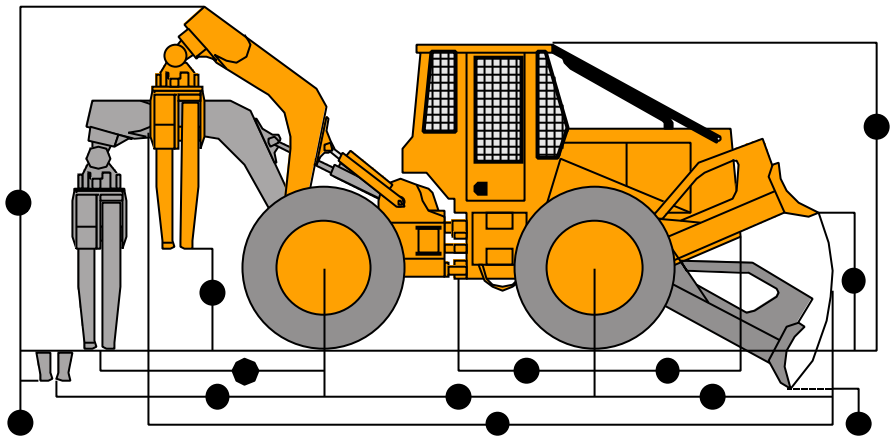
| CAPACITIES (U.S.) | | | |
|---|---|---|---|
| Fuel tank | 50 gal. (189 L) | single function 70 gal. (265 L) dual function 60 gal. (227 L) | 72 gal. (273 L) |
| Cooling system | 30 qt. (24.6 L) | 30 qt. (28.4 L) | 30 qt. (28.4 L) |
| Engine lubrication, including filter | 20 qt. (18.9 L) | 20 qt. (18.9 L) | 25 qt. (23.7 L) |
| Transmission | 7.75 gal. (29.3 L) | 7.75 gal. (29.3 L) | 7.75 gal. (29.3 L) |
| Differentials | | | |
| Front | 4.5 gal. (17 L) | 4.5 gal. (17 L) | 7.5 gal. (28.4 L) |
| Rear | 4.5 gal. (17 L) | 7.5 gal. (28.4 L) | 7.5 gal. (28.4 L) |
| Winch | 9.3 gal. (35.2 L) | 9.3 gal. (35.2 L) | 12 gal. (45.4 L) |
| Hydraulic reservoir | 8 gal. (30.3 L) | 11 gal. (41.6 L) | 11 gal. (41.6 L) |

| OPERATING WEIGHTS | | | | | |
|---|---|---|---|---|---|
| | *single function* | *single function* | *dual function* | *single function* | *dual function* |
| Standard equipment | 21,740 lb. (9861 kg) | 26,639 lb. (12 083 kg) | 28,150 lb. (12 768 kg) | 31,489 lb. (14 288 kg) | 32,450 lb. (14 719 kg) |

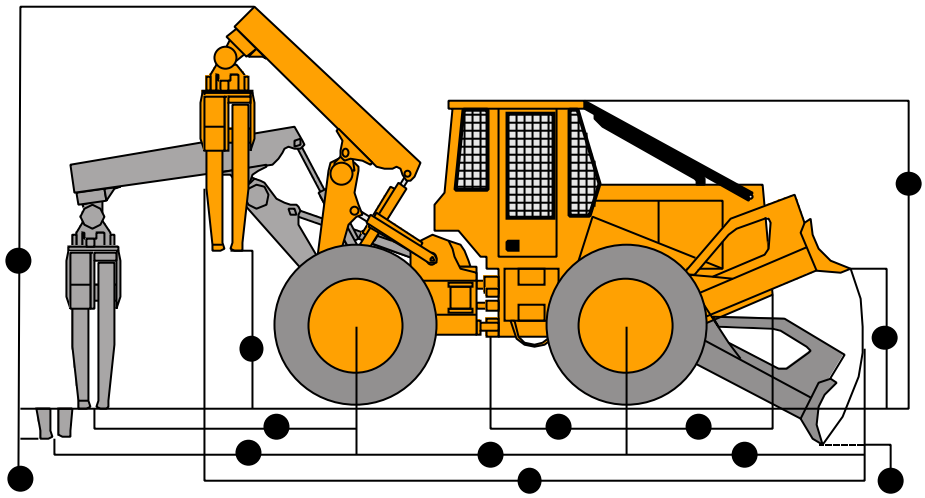
| DIMENSIONS | 548G-II | 648G-II | | 748G-II | |
|---|---|---|---|---|---|
| Tire size | 28L-26, 12 PR LS2 | 28L-26, 12 PR LS2 | | 30.5-32, 12 PR LS2 | |
| A Overall height* | 9 ft. 10.5 in. (3.01 m) | 9 ft. 11 in. (3.03 m) | | 10 ft. 3.1 in. (3.13 m) | |
| B Maximum blade lift above ground | 3 ft. 11.6 in. (1.21 m) | 4 ft. 3.5 in. (1.31 m) | | 4 ft. 11 in. (1.50 m) | |
| C Maximum blade dig below ground | 11.3 in. (288 mm) | 14.5 in. (367 mm) | | 14.2 in. (360 mm) | |
| D Front axle to front of machine | 59.3 in. (1507 mm) | 66.3 in. (1685 mm) | | 70 in. (1777 mm) | |
| E Front axle to blade cutting edge arc | 83.2 in. (2112 mm) | 90.2 in. (2292 mm) | | 97.4 in. (2474 mm) | |
| F Front axle to articulation joint | 62 in. (1575 mm) | 68 in. (1727 mm) | | 68 in. (1727 mm) | |
| G Wheelbase | 115 in. (2920 mm) | 135 in. (3430 mm)† | | 145 in. (3680 mm) | |
| **GRAPPLE** | *single function* | *single function* | *dual function* | *single function* | *dual function* |
| H Height of grapple from ground level | 2 ft. 10 in. (864 mm) | 2 ft. 7 in. (908 mm) | 4 ft. 6 in. (1376 mm) | 2 ft. 10 in. (863 mm) | 4 ft. 4.4 in. (1331 mm) |
| I Reach of grapple at ground level | 6 ft. 5.6 in. (1970 mm) | 7 ft. 4.3 in. (2243 mm) | 5 ft. 1 in. (1536 mm) | 7 ft. 3.5 in. (2222 mm) | 5 ft. 1 in. (1547 mm) |
| J Reach of grapple at full reach | 7 ft. 1 in. (2158 mm) | 7 ft. 11.8 in. (2433 mm) | 9 ft. 8.9 in. (2968 mm) | 7 ft. 11.8 in. (2432 mm) | 9 ft. 8.9 in. (2968 mm) |
| K Maximum height of boom | 9 ft. 10 in. (2991 mm) | 10 ft. 6 in. (3195 mm) | 12 ft. 1 in. (3680 mm) | 10 ft. 9.8 in. (3296 mm) | 12 ft. 4.9 in. (3781 mm) |
| L Below ground reach of grapple at full reach | 34 in. (872 mm) | 37 in. (942 mm) | 42.2 in. (1072 mm) | 38.9 in. (988 mm) | 44 in. (1117 mm) |
| M Overall length | 20 ft. 9 in. (6330 mm) | 23 ft. 8.6 in. (7230 mm) | 24 ft. 1 in. (7345 mm) | 25 ft. 7.9 in. (7821 mm) | 25 ft. 5.6 in. (7763 mm) |

*Add 8.6 in. (218 mm) when equipped with air conditioning.
†Dual-function machine features a 145-in. (3683 mm) wheelbase.

**548G-II / 648G-II / 748G-II WITH SINGLE-FUNCTION GRAPPLE**



**648G-II / 748G-II WITH DUAL-FUNCTION GRAPPLE**



## 548G-II DIMENSIONS WITH TIRES

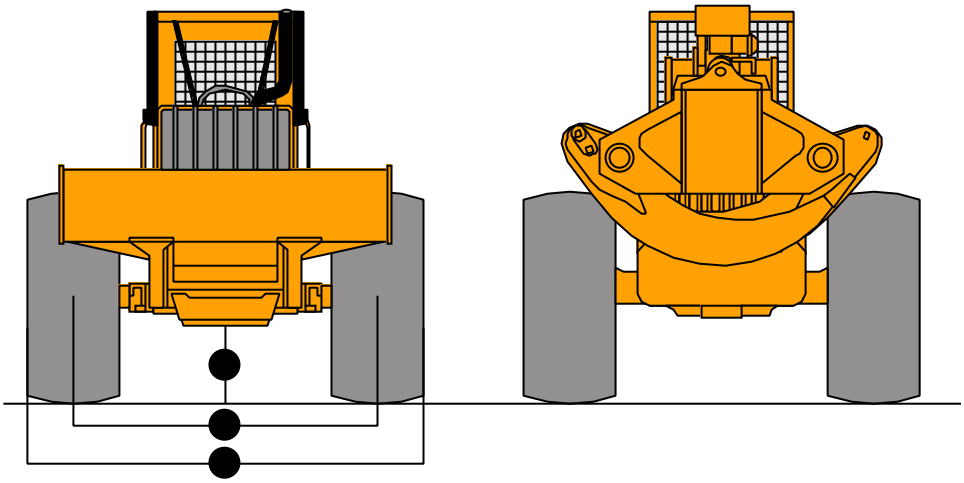
| | | | | | | |
|---|---|---|---|---|---|---|
| Tire Size | *23.1-26* | *28L-26* | *24.5-32* | *23.1-26 (narrow gauge)* | *28L-26 (narrow gauge)* | *24.5-32 (narrow gauge)* |
| N Ground clearance, in in. (mm) | 19.6 (498) | 20.2 (514) | 23.5 (598) | 19.6 (498) | 20.2 (514) | 23.5 (598) |
| O Wheel tread, in ft.-in. (m) | 7-3 (2.21) | 7-6 (2.29) | 8-2 (2.49) | 6-8.9 (2.06) | 7-2 (2.18) | 7-5 (2.26) |
| P Overall width, in ft.-in. (m) | 9-2 (2.79) | 9-10 (3.0) | 10-2.5 (3.11) | 8-8 (2.64) | 9-6 (2.90) | 9-5.5 (2.88) |
| Turning radius over tires, in ft.-in. (m) | 17-11 (5.474) | 18-1 (5.512) | | 17-6 (5.398) | 17-6 (5.460) | |

## 648G-II DIMENSIONS WITH TIRES

| | | | | | |
|---|---|---|---|---|---|
| Tire Size | *28L-26* | *24.5-32* | *30.5-32* | *28L-26 (narrow gauge)* | *24.5-32 (narrow gauge)* |
| N Ground clearance, in in. (mm) | 20.2 (514) | 23.5 (598) | 24.2 (615) | 20.2 (514) | 23.5 (598) |
| O Wheel tread, in ft.-in. (m) | 7-10.5 (2.40) | 8-2 (2.49) | 8-1 (2.46) | 7-6.5 (2.29) | 7-5 (2.26) |
| P Overall width, in ft.-in. (m) | 10-2.5 (3.11) | 10-2.5 (3.11) | 10-7.5 (3.23) | 9-10.5 (3.01) | 9-5.5 (2.88) |
| Turning radius over tires, in ft.-in. (m) | 18-9 (5.7) | | | | |

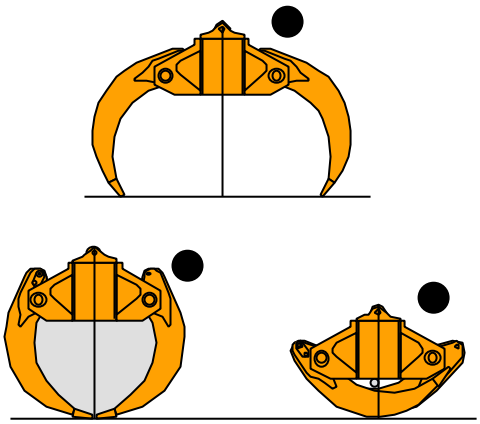
## 748G-II DIMENSIONS WITH TIRES

| | | |
|---|---|---|
| Tire Size | *24.5-32* | *30.5-32* |
| N Ground clearance, in in. (mm) | 22.9 (582) | 23.6 (599) |
| O Wheel tread, in ft.-in. (m) | 8-2 (2.49) | 8-1 (2.46) |
| P Overall width, in ft.-in. (m) | 10-2.5 (3.11) | 10-7.5 (3.23) |
| Turning radius over tires, in ft.-in. (m) | 21-0 (6.4) | |



## DIMENSIONS WITH GRAPPLE

| | 548G-II | 648G-II | 748G-II |
|---|---|---|---|
| Standard grapple head | | | |
| Q Tong opening at tips | 85 in. (2160 mm) | 115 in. (2921 mm) | 123 in. (3124 mm) |
| R Enclosure area, tongs tip to tip | 8 sq. ft. (0.75 m²) | 10.4 sq. ft. (0.97 m²) | 11.7 sq. ft. (1.09 m²) |
| S Minimum diameter of stem | 5 in. (124 mm) | 5.5 in. (140 mm) | 5.2 in. (132 mm) |
| High-capacity grapple head | | | |
| Q Tong opening at tips | | 123 in. (3124 mm) | 127 in. (3226 mm) |
| R Enclosure area, tongs tip to tip | | 11.7 sq. ft. (1.09 m²) | 14.9 sq. ft. (1.38 m²) |
| S Minimum diameter of stem | | 5.2 in. (132 mm) | 6.0 in. (152 mm) |



| | 548G-II | 648G-II | 748G-II |
|---|---|---|---|
| **ENGINE** | | | |
| Antifreeze, –33°F (–36°C) | ● | ● | ● |
| Blower-type cooling fan, enclosed with guard | ● | ● | ● |
| Coolant recovery tank | ● | ● | ● |
| Electric fuel shutoff with start switch key | ● | ● | |
| Fuel filter, vertically mounted, quick release | ● | ● | ● |
| Fuel/water separator, vertically mounted, quick release | ● | ● | ● |
| Isolation-mounted engine | ● | ● | ● |
| Muffler, low restriction, externally mounted | ● | ● | ● |
| Oil drain shutoff for spill-free oil changes | ● | ● | ● |
| Oil filter, spin-on, vertical mount, full flow with by-pass | ● | ● | ● |
| Oil-to-coolant engine oil cooler | ● | ● | ● |
| Padlock-ready engine side shields | ● | ● | ● |
| Side-by-side mounted radiator, transmission, and hydraulic oil cooler | ● | ● | ● |
| Electric ether starting aid | ■ | ■ | ■ |
| **ELECTRICAL** | | | |
| Alternator, 65 amp | ● | ● | |
| Alternator, 135 amp | ■ | ■ | ● |
| Battery disconnect | ● | ● | ● |
| Battery, dual, heavy duty, low maintenance | ● | ● | ● |
| Load center electrical system with blade-type fuses | ● | ● | ● |
| Work lights (halogen, 2 front, 2 rear) | ■ | ■ | ■ |
| Work lights (halogen, 4 front, 4 rear) | ■ | ■ | ■ |
| **TRANSMISSION** | | | |
| Direct drive power shift with 8 forward and 7 reverse speeds | ● | ● | ● |
| Isolation-mounted transmission | ● | ● | ● |
| Oil filter, pressure side, 10 micron with by-pass, spin-on, vertical mount | ● | ● | ● |
| Park brake, wet multi-disc, spring applied, hydraulically released, sealed and lubricated | ● | ● | ● |
| Transmission oil cooler, side-by-side mounted with radiator | ● | ● | ● |
| Transmission disconnect, for cold weather starting | | ■ | ■ |
| **AXLES** | | | |
| Differential lock, hydraulically applied, engaged on the go, front and rear, with engagement indicator on dash | ● | ● | ● |
| Heavy-duty inboard planetary final drives | ● | ● | ● |
| Inboard sealed and lubricated wet disc brakes, front and rear | ● | ● | ● |
| Self-contained differential Lock hydraulic circuit with filter | ● | ● | ● |
| **BRAKES** | | | |
| Service Disc type, mounted inboard of axle final drives, sealed and lubricated, self adjusting and equalizing front and rear | ● | ● | ● |
| Parking Spring applied, hydraulically released, wet multi-disc, integrally mounted in transmission | ● | ● | ● |
| **OPERATOR'S STATION** | | | |
| Gauges, electric, illuminated Engine coolant temperature / Fuel level | ● | ● | ● |
| Fire extinguisher | ● | ● | ● |
| Foot throttle | ● | ● | ● |
| Hand throttle | ■ | ■ | ■ |
| Full function monitor instrumentation with audible warning alarm for Air filter restriction indicator / Alternator voltage / Engine coolant temperature / Engine oil pressure / Hydraulic oil filter restriction / Hydraulic oil temperature / Park brake / Transmission oil pressure / Transmission oil temperature / Transmission oil filter restriction | ● | ● | ● |
| Hourmeter in monitor | ● | ● | ● |
| Operator manual with storage compartment | ● | ● | ● |
| Steering wheel with full power steering | ● | ● | ● |
| Vinyl suspension seat with Fore/aft adjustment / Height, weight adjustment / Adjustable backrest angle / Adjustable lumbar support / Armrests, two position | ● | ● | ● |
| Fabric- or air-suspension seat with Fore/aft adjustment / Height, weight adjustment / Adjustable backrest angle / Lumbar support / Armrests, two position | ■ | ■ | ■ |
| Operator protection with Integral ROPS, FOPS, OPS protective structure / Non cab-equipped machines include tinted polycarbonate front windows and screens on all other openings, cab-equipped machines include polycarbonate windows on all openings with screens on the door windows only / Lockable doors with start switch key / Mirror, rearview, interior mounted / Headliner / Retractable seat belt | ● | ● | ● |
| Cab, fully enclosed, with (in addition to standard equipment) Windows, tinted polycarbonate on all openings, screens only on door windows / Windshield wiper and washer, front / Sliding windows, left and right door opening / Heater / Defroster fan, left front / Floormat | ■ | ■ | ■ |
| Cab climate control module with Air conditioner, (R134A refrigerant) / Heater, 40,000 Btu/hr. (11.8 kW) / Pressurizer | ■ | ■ | ■ |
| Cab, hydraulic tilt for service | ● | ● | ● |
| **TIRES** | | | |
| 23.1-26, 14 ply rating | ● | | |
| 23.1-26, 14 ply rating, narrow gauge | ■ | | |
| 28L-26, 12 ply rating | ■ | | |
| 28L-26, 12 ply rating, narrow gauge | ■ | ■ | |
| 28L-26, 14 ply rating | ■ | ■ | |
| 24.5-32, 12 ply rating, narrow gauge | ■ | ■ | |
| 24.5-32, 16 ply rating | ■ | ■ | ■ |
| 30.5-32, 16 ply rating | | ● | ● |
| **HYDRAULIC SYSTEM** | | | |
| "Constant hold" grapple close | ● | ● | ● |
| "Four wire" grapple hoses | ● | ● | ● |
| Hydraulic oil cooler, side-by-side mounted to radiator | ● | ● | ● |
| Push button grapple rotate | ● | ● | ● |
| Single lever, "joystick" controls (single function grapples) | ● | ● | ● |
| Dual lever, "joystick" controls (dual function grapples) | | ● | ● |
| Vertical, spin-on return oil filter, 10 micron with by-pass | ● | ● | ● |
| **GRAPPLE** | | | |
| Cast-steel, wear-resistant tong tips | ● | ● | ● |
| Continuous 360-degree grapple head rotation | ● | ● | ● |
| Dual cylinder bunching-style grapple head | ● | ● | ● |
| Heavy-duty, high-torque rotate motor with gear reduction | ● | ● | ● |
| Single function with 85-in. tong opening | ● | | |
| Single function with 115-in. tong opening | | ● | |
| Single function with 123-in. tong opening | | | ● |
| Dual function with 115-in. tong opening | | ■ | |
| Dual function with 123-in. tong opening | | ■ | ■ |
| Dual function with 127-in. tong opening | | ■ | ■ |
| **WINCH** | | | |
| Model 4000 (8-in. drum high speed) | ■ | ■ | |
| Model 4000 (8-in. drum standard speed) | ■ | ■ | |
| Model 4000 (10-in. drum high speed) | ■ | ■ | |
| Model 6000 (11-in. drum) | | | ■ |
| **FRAMES** | | | |
| Articulation locking bar, self storing | ● | ● | ● |
| Frame clean-out and service doors | ● | ● | ● |
| Stacking blade, 86-in. wide, with replaceable cutting edge | ● | ● | |
| Stacking blade, 116-in. wide, with replaceable cutting edge | | | ● |
| Stacking blade extensions, 15 in. (381 mm) per side | ■ | ■ | |

**KEY:** ● Standard equipment ■ Optional or special equipment

See your John Deere dealer for further information.

## CONTROL OWNING AND OPERATING COSTS

Total Repair Cost Management (TRCM) is part of John Deere's proactive, fix-before-fail strategy on machine maintenance that will help control costs, increase profits, and reduce stress. Included in this comprehensive lineup of ongoing programs and services are:

OilScan® Plus program - tells you what's going on inside *all* of your machine's major components so you'll see a decline in performance *before* the system fails. OilScan Plus oil analysis is included in most SECURE®-Extended warranty and preventive-maintenance contracts.

MaintainIt™ program - Flexible, easy-to-use MaintainIt software lets you start your own computerized maintenance program by putting complete machine histories at your fingertips. It features a library of John Deere equipment, a spare-parts inventory list, and a list of maintenance tasks. Compare costs; schedule maintenance procedures by hourmeter or date; or print, fax, or e-mail purchase and work orders with just a few quick keystrokes.

Component life-cycle data - gives you vital information on the projected life span of components and lets you make informed decisions on machine maintenance by telling you approximately how many hours of use you can expect from an engine, transmission, or hydraulic pump. This information can be used to preempt catastrophic downtime by servicing major components at about 80 percent of their life cycle.

Preventive Maintenance (PM) contracts - give you a fixed cost for maintaining a machine for a given period of time. It also helps you avoid downtime by ensuring that critical maintenance work gets done right and on schedule. On-site preventive maintenance service performed where and when you need it helps protect you from the expense of catastrophic failures and lets you avoid waste-disposal hassles.

SECURE-Extended warranty - gives you a fixed cost for machine repairs for a given period of time so you can effectively manage costs. Whether you work in a severe-service setting or just want to spread the risk of doing business, this is a great way to custom-fit coverage for your operation. And a SECURE-Extended contract also travels well because it's backed by John Deere and is honored by *all* Deere construction dealers.

Customer Support Advisors (CSAs) - Deere believes the CSA program lends a *personal* quality to Total Repair Cost Management. Certified Customer Support Advisors have the knowledge and skills for helping make important decisions on machine maintenance and repair. Their mission is to help you implement a plan that's right for *your* business and take the burden of machine maintenance off your shoulders.

JOHN DEERE

Net engine power is with standard equipment including air cleaner, exhaust system, alternator, and cooling fan, at standard conditions per SAE J1349 and DIN 70 020, using No. 2-D fuel at 35 API gravity. No derating is required up to 10,000 ft. (3050 m) altitude. Gross power is without cooling fan.

Specifications and design subject to change without notice. Wherever applicable, specifications are in accordance with SAE standards. Except where otherwise noted, these specifications are based on units with full fuel tanks, 175-lb. (79 kg) operators, and standard equipment; 548G and 648G units with 28L-26, 12 PR LS2 tires; and 748G unit with 30.5-32, 12 PR LS2 tires.

SAFETY live with it



DKA548GII Litho in U.S.A. (99-10)