672A MOTOR GRADER

FEATURES

- 125 SAE net hp (93 kW)
- 12-ft. (3.65 m) moldboard with 0.62 x 6 in. (16 x 152 mm) through-hardened Dura-Max cutting edge; 13- and 14-ft. (3.95 and 4.25 m) moldboards and 2-ft. (610 mm) extensions available
- Scarifier
- Rear-mounted ripper
- Snow plow and wing
- Bulldozer
- Power Shift transmission; 8 speeds forward, 4 reverse
- Articulated frame steering
- Differential lock-unlock
- All-wheel drive, standard system to 6.3 mph (10.1 km/h), optional system to 10.5 mph (16.9 km/h), switch-controlled for two modes of operation
- 22-ft. 6 in. (6.86 m) turning radius
- All-hydraulic control of blade and machine functions
- Closed-center hydraulic system with built-in positive hydraulic locks provides instant response without blade drift or creep
- Hydraulically controlled, 7-position lift arms let you position blade for 90-degree bank cuts, left or right, in approximately one minute, without leaving the seat
- Oscillating front axle and rear tandem
- Hydraulic front-wheel lean
- Rollover protective structure (ROPS) w/cab

ADD VERSATILITY WITH:

- Scarifier
- Rear-mounted ripper
- Snow plow and wing
- Bulldozer
- Automatic blade control

ENGINE PERFORMANCE

- Nm (lb-ft)
- TORQUE
- POWER
- FUEL CONSUMPTION
- ENGINE SPEED - RPM

- Nm (lb-ft)
- 461 (340)
- 434 (320)
- 407 (300)
- 380 (280)
- 360 (270)
- 340 (225)
- 320 (200)
- 300 (175)
- 280 (160)
- 260 (140)
- 240 (120)
- 220 (100)
- 200 (80)
- 180 (60)
- 160 (40)
- 140 (20)

- kW hp
- 120 87
- 110 82
- 100 77
- 90 72
- 80 67
- 70 62
- 60 57
- 50 52
- 40 47
- 30 42

- g/kWh hph
- 274 0.45
- 243 0.40
- 213 0.35
- 183 0.30
- 153 0.25
- 123 0.20
- 93 0.15
- 63 0.10
- 33 0.05
- 0 0.00

Model shown may include options
672A MOTOR GRADER SPECIFICATIONS

(Rated Power @ 2300 rpm: 125 hp (93 kW) Net, 135 hp (101 kW) Gross)

Net engine power is with standard equipment including air cleaner, exhaust system, alternator, and cooling fan. Available with or without a 2.03 in³ (33 cm³) motor. See Table 2 for capacities.

Engine: John Deere 6414T
Type: 4-stroke cycle, turbocharged diesel

Bore and stroke: 4.19 x 5.00 in. (106.4 x 127 mm)
Displacement: 414 cu. in. (6.785 L)
Compression ratio: 16.2:1

Maximum net torque @ 1300 rpm: 372 lb-ft (504 Nm)

Cooling system: Pressure system w/aftercooler

Fuel tank capacity: 60 gal. (227 liters)

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Blade Lifting Mechanism:

- Dual-lever, hydraulic
- Foot pedal position

Lift Arms:
- Nodular cast iron
- Foot operated

Circle:
- Fabricated steel angle construction
- Diameter: 78.40 in. (1993 mm)

Drawbar:
- Welded box section, 3.5 x 7 in. (89 x 178 mm)

Frame:
- Welded box section from front mainframe to rear mainframe

Dimensions:
- Width: 10 in. (254 mm)
- Height: 13 in. (330 mm)
- Weight: 110 lb (164 kg)

Blade Range:
- Lift above ground: 16.1 in. (409 mm)
- Blade side shift: Right or left: 26.9 in. (683 mm)
- Shoulder reach outside wheels (frame straight): Right: 84.6 in. (214 mm)
- Left: 87.6 in. (222 mm)

Pitch around line: 44 deg. forward, 10 deg. back
672A MOTOR GRADER SPECIFICATIONS

Additional Standard Equipment:
- Gauges: Horn
- Engine oil pressure Moldboard float
- Front-wheel-drive return indicator
- Fuel level
- Transmission clutch pressure and dome light
- Transmission filter indicator
- Transmission lube pressure
- Water temperature

SAE Operating Weight:
- Standard equipment
  - On Front Wheels: 8,602 lb. (3,947 kg)
  - On Rear Wheels: 18,650 lb. (8,460 kg)
  - Total: 27,352 lb. (12,407 kg)
- Standard equipment and scarifier
  - On Front Wheels: 9,861 lb. (4,473 kg)
  - On Rear Wheels: 18,477 lb. (8,381 kg)
  - Total: 28,338 lb. (12,854 kg)
- Standard equipment, scarifier and ripper
  - On Front Wheels: 9,128 lb. (4,140 kg)
  - On Rear Wheels: 21,726 lb. (9,855 kg)
  - Total: 30,854 lb. (13,995 kg)

Optional or Special Equipment with Weights:
(Add these weights to SAE Standard Equipment operating weights to obtain total operating weights.)

<table>
<thead>
<tr>
<th>Description</th>
<th>lb.</th>
<th>kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accelerator-decelerator</td>
<td>7</td>
<td>3</td>
</tr>
<tr>
<td>Air conditioner w/ heavy-duty alternator</td>
<td>177</td>
<td>80</td>
</tr>
<tr>
<td>Articulation indicator</td>
<td>5</td>
<td>2</td>
</tr>
<tr>
<td>Automatic blade control</td>
<td>355</td>
<td>161</td>
</tr>
<tr>
<td>Auxiliary function valve</td>
<td>114</td>
<td>52</td>
</tr>
<tr>
<td>Blade, front bulldozer w/ control</td>
<td>1489</td>
<td>675</td>
</tr>
<tr>
<td>Bottom guard, heavy-duty</td>
<td>665</td>
<td>302</td>
</tr>
<tr>
<td>Blade, front bulldozer w/ control</td>
<td>170</td>
<td>77</td>
</tr>
<tr>
<td>Cold-weather starting aid</td>
<td>10</td>
<td>5</td>
</tr>
<tr>
<td>Cutting edge, ¾ x 8 in. (19 x 203 mm)</td>
<td>8.5</td>
<td>(13)</td>
</tr>
<tr>
<td>Cutting edge, ¾ x 8 in. (19 x 203 mm)</td>
<td>6</td>
<td>(2)</td>
</tr>
<tr>
<td>Cutting edge, heavy-duty</td>
<td>665</td>
<td>302</td>
</tr>
<tr>
<td>Cutting edge, ¾ x 8 in. (19 x 203 mm)</td>
<td>46</td>
<td>21</td>
</tr>
<tr>
<td>Fan, defroster</td>
<td>4</td>
<td>2</td>
</tr>
<tr>
<td>Front wheel drive in 1st through 6th gears, to 10.5 mph (16.9 km/h); free wheeling in 7th and 8th gears; 6 cu. in. (98 cm³)</td>
<td>34</td>
<td>15</td>
</tr>
<tr>
<td>Heater, coolant</td>
<td>1</td>
<td>.5</td>
</tr>
<tr>
<td>Heater, cab, 19,000 BTU (5.8 kW)</td>
<td>16</td>
<td>7</td>
</tr>
<tr>
<td>Heater, cab, 38,000 BTU (11.1 kW)</td>
<td>31</td>
<td>14</td>
</tr>
<tr>
<td>Heater, cab, 40,000 BTU (11.7 kW)</td>
<td>31</td>
<td>14</td>
</tr>
<tr>
<td>Heater, roof-mounted, 25,000 BTU (7.3 kW)</td>
<td>17</td>
<td>8</td>
</tr>
<tr>
<td>Hydraulic pump, pressure controlled, variable displacement, 6.0 cu. in. (98 cm³), 52.4 gpm (3.5 L/s)</td>
<td>44</td>
<td>20</td>
</tr>
<tr>
<td>Lights, blade</td>
<td>4</td>
<td>2</td>
</tr>
<tr>
<td>Lights, work, 2 front/2 rear floods</td>
<td>12</td>
<td>5</td>
</tr>
<tr>
<td>Met. floor</td>
<td>9</td>
<td>4</td>
</tr>
<tr>
<td>Mirror, outside rear view, convex, outside</td>
<td>6</td>
<td>3</td>
</tr>
<tr>
<td>Mirror, outside rear view, convex, both sides</td>
<td>12</td>
<td>5</td>
</tr>
<tr>
<td>Mirror, outside rear view, flat, one side</td>
<td>6</td>
<td>3</td>
</tr>
<tr>
<td>Mirror, outside rear view, flat, both sides</td>
<td>12</td>
<td>5</td>
</tr>
<tr>
<td>Moldboards: 12-ft. (3.66 m) w/ x 8 in. (19 x 203 mm) through-hardened Dura-Max cutting edge</td>
<td>106</td>
<td>48</td>
</tr>
<tr>
<td>13-ft. (3.96 m) w/ x 6 in. (16 x 152 mm) through-hardened Dura-Max cutting edge</td>
<td>60</td>
<td>27</td>
</tr>
<tr>
<td>13-ft. (3.96 m) w/ x 8 in. (19 x 203 mm) through-hardened Dura-Max cutting edge</td>
<td>116</td>
<td>53</td>
</tr>
<tr>
<td>14-ft. (4.27 m) w/ x 6 in. (16 x 152 mm) through-hardened Dura-Max cutting edge</td>
<td>146</td>
<td>66</td>
</tr>
<tr>
<td>14-ft. (4.27 m) w/ x 8 in. (19 x 203 mm) through-hardened Dura-Max cutting edge</td>
<td>155</td>
<td>70</td>
</tr>
<tr>
<td>Moldboard extensions, 2-ft. (610 mm), right or left (less cutting edge)</td>
<td>220</td>
<td>100</td>
</tr>
<tr>
<td>Overlay end bits (1 pair), 6 in. (152 mm)</td>
<td>62</td>
<td>28</td>
</tr>
<tr>
<td>Overlay end bits (1 pair), 8 in. (203 mm)</td>
<td>77</td>
<td>35</td>
</tr>
<tr>
<td>Ripper, rear mounted with hitch</td>
<td>67</td>
<td>30</td>
</tr>
<tr>
<td>ROPS canopy w/ seat and dome light</td>
<td>472</td>
<td>214</td>
</tr>
<tr>
<td>ROPS cab w/ seat belt</td>
<td>674</td>
<td>306</td>
</tr>
<tr>
<td>ROPS cab w/ seat belt and instrument panel cover</td>
<td>2516</td>
<td>1141</td>
</tr>
<tr>
<td>Scarifier, regular w/ five teeth</td>
<td>986</td>
<td>447</td>
</tr>
<tr>
<td>Seat belt, 3-in. (76 mm)</td>
<td>986</td>
<td>447</td>
</tr>
<tr>
<td>Seat, deluxe suspension, cloth covered</td>
<td>111</td>
<td>50</td>
</tr>
<tr>
<td>Seat, deluxe suspension, vinyl covered</td>
<td>49</td>
<td>22</td>
</tr>
<tr>
<td>Sound suppression package (includes bottom guard)</td>
<td>761</td>
<td>345</td>
</tr>
<tr>
<td>Sound suppression package (for use w/ ripper)</td>
<td>248</td>
<td>112</td>
</tr>
<tr>
<td>Tires: 13.00-24, 8 PR, G2</td>
<td>13.00-24, 10 PR, G2</td>
<td>14.00-24, 12 PR, G2</td>
</tr>
<tr>
<td>toolbox</td>
<td>4</td>
<td>2</td>
</tr>
<tr>
<td>Winter door cam for cab</td>
<td>12</td>
<td>5</td>
</tr>
<tr>
<td>Wiper, rear windshield</td>
<td>4</td>
<td>2</td>
</tr>
</tbody>
</table>