January 2003

Tests 2077 & 2095: Case IH JX 80U Diesel

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**SUMMARY OF OECD TESTS 2077 and 2095—NEBRASKA SUMMARY 407**

**CASE IH JX 80U DIESEL**

**24 SPEED**

**Location of Test:** Istituto Per La Macchine Agricole E Movimento Terra, Strada delle Cacce, 73-10135 Torino, Italy

**Dates of Test:** December 2002 - December 2003

**Manufacturer:** CNH America LLC, 700 State St. Racine, Wi. 53404 USA

**FUEL and OIL:** Fuel No. 2 Diesel

- Specific gravity converted to 60°/60°F (15°C/15°C)
  - 0.842

- Fuel weight (lb/gal)
  - 7.01 lbs/gal (0.840 kg/l)

- Oil SAE 15W40

- API service classification CF-4/SG

**Oil consumption for 10 hours**

- 0.02 lb (10 gm)

**Transmission and hydraulic lubricant**

- Akcela Nexplorer 130

**ENGINE: Make**

- IVECO Diesel

**Type**

- four cylinder
  - Vertical

**Serial No.**

- 513-870598

**Crankshaft lengthwise**

- Rated Engine speed
  - 2500 rpm

**Bore and stroke**

- 4.094" x 4.528" (104 mm x 115 mm)

**Compression ratio**

- 17.0 to 1

**Displacement**

- 238 cu in (3908 ml)

**Starting system**

- 12 volt

**Lubrication pressure**

- Air cleaner: two paper elements

- Oil filter: one full flow cartridge

- Oil cooler: engine

- Cooling medium: heat exchanger for crankcase oil, radiator for hydraulic and transmission oil

- Fuel filter: one paper element

- Muffler: underhood

**CHASSIS: Type**

- 2WD and front wheel assist

**Serial No.**

- 001281873

**Tread width**

- Rear: 52.4" to 86.8" (1330 mm to 2205 mm)

- Front: 2WD 55.1" to 85.4" (1400 mm to 2170 mm), FWA 51.2" to 83.3" (1301 mm to 2116 mm)

**Wheel base**

- 2WD 92.2" (2342 mm)

- FWA 91.1" (2314 mm)

**Hydraulic control system**

- Direct engine drive

**Transmission**

- Selective gear fixed ratio

**Nominal travel speeds**

- (30 km/h transmission) mph (km/h)
  - first 0.92 (1.47)
  - second 1.04 (1.68)
  - third 1.33 (2.14)
  - fourth 1.51 (2.44)
  - fifth 1.92 (3.09)
  - sixth 2.14 (3.44)
  - seventh 2.18 (3.51)
  - eighth 2.43 (3.74)
  - ninth 2.75 (4.42)
  - tenth 3.11 (5.00)
  - eleventh 3.13 (5.03)
  - twelfth 3.54 (5.70)
  - thirteenth 4.48 (7.12)
  - fourteenth 5.03 (8.01)
  - fifteenth 5.10 (8.21)
  - sixteenth 5.73 (9.22)
  - seventeenth 6.42 (10.32)
  - eighteenth 7.31 (11.76)
  - nineteenth 7.31 (11.77)
  - twentieth 8.33 (13.41)
  - twenty-first 10.54 (16.97)
  - twenty-second 12.01 (19.62)
  - twenty-third 13.51 (21.74)
  - twenty-fourth 17.20 (27.68)

**Clutch**

- Dual dry disc operated by foot pedal

**Brakes**

- Wet disc, hydraulically operated by two foot pedals which can be locked together

**Steering**

- Hydrostatic

**Power take-off performance**

<table>
<thead>
<tr>
<th>Power (10F) Crankshaft speed rpm</th>
<th>Cal/hr (lb)</th>
<th>Hzhp/hr (kgf/W/A)</th>
<th>Hp.hr/gal (kW/h/l)</th>
<th>Mean Atmospheric Conditions</th>
</tr>
</thead>
<tbody>
<tr>
<td>67.3 (50.2)</td>
<td>2496</td>
<td>4.15</td>
<td>0.432</td>
<td>16.24</td>
</tr>
<tr>
<td>65.0 (48.5)</td>
<td>2199</td>
<td>3.81</td>
<td>0.411</td>
<td>17.06</td>
</tr>
</tbody>
</table>

**MAXIMUM POWER AND FUEL CONSUMPTION**

<table>
<thead>
<tr>
<th>Rated Engine Speed (PTO speed—613 rpm)</th>
<th>Rated Engine Speed (PTO speed—613 rpm)</th>
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<th>Rated Engine Speed (PTO speed—613 rpm)</th>
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</tr>
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<tbody>
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<td>67.3 (50.2)</td>
<td>2496</td>
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<td>0.432</td>
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<td>65.0 (48.5)</td>
<td>2199</td>
<td>3.81</td>
<td>0.411</td>
<td>17.06</td>
</tr>
</tbody>
</table>

**VARYING POWER AND FUEL CONSUMPTION**

<table>
<thead>
<tr>
<th>Air temperature</th>
<th>Relative humidity</th>
<th>Barometer</th>
</tr>
</thead>
<tbody>
<tr>
<td>61°F (16°C)</td>
<td>45%</td>
<td>29.1&quot; Hg (98.5 kPa)</td>
</tr>
</tbody>
</table>

**Maximum Torque -186.4 lb-ft. (252.7 Nm) at 1409 rpm
Maximum Torque Rise -31.6%
Torque rise at 2000 engine rpm -15%**

**ENGINE: Make**

- IVECO Diesel Type four cylinder vertical

**Serial No.**

- 513-870598

**Crankshaft lengthwise**

- Rated Engine speed 2500

**Bore and stroke**

- 4.904" x 4.328" (104 mm x 115 mm)

**Compression ratio**

- 17.0 to 1

**Displacement**

- 238 cu in (3908 ml)

**Starting system**

- 12 volt

**Lubrication pressure**

- Oil cooler: one full flow cartridge

**Engine coolant heat exchanger**

- For crankcase oil, radiator for hydraulic and transmission oil

**Fuel filter**

- Two paper elements, oil filter

**Muffler**

- Underhood

**Exhaust**

- Vertical

**Cooling medium**

- Temperature control

**thermostat and variable speed fan**

**CHASSIS: Type**

- 2WD and front wheel assist

**Serial No.**

- 001281873

**Tread width**

- Rear: 52.4" (1330 mm)

**Front:**

- 2WD 55.1" (1400 mm)

- FWA 51.2" (1301 mm)

**Wheel base**

- 2WD 92.2" (2342 mm)

- FWA 91.1" (2314 mm)

**Hydraulic control system**

- Direct engine drive

**Transmission**

- Selective gear fixed ratio

**Nominal travel speeds**

- (30 km/h transmission) mph (km/h)
  - first 0.92 (1.47)
  - second 1.04 (1.68)
  - third 1.33 (2.14)
  - fourth 1.51 (2.44)
  - fifth 1.92 (3.09)
  - sixth 2.14 (3.44)
  - seventh 2.18 (3.51)
  - eighth 2.43 (3.74)
  - ninth 2.75 (4.42)
  - tenth 3.11 (5.00)
  - eleventh 3.13 (5.03)
  - twelfth 3.54 (5.70)
  - thirteenth 4.48 (7.12)
  - fourteenth 5.03 (8.01)
  - fifteenth 5.10 (8.21)
  - sixteenth 5.73 (9.22)
  - seventeenth 6.42 (10.32)
  - eighteenth 7.31 (11.76)
  - nineteenth 7.31 (11.77)
  - twentieth 8.33 (13.41)
  - twenty-first 10.54 (16.97)
  - twenty-second 12.01 (19.62)
  - twenty-third 13.51 (21.74)
  - twenty-fourth 17.20 (27.68)

**Clutch**

- Dual dry disc operated by foot pedal

**Brakes**

- Wet disc, hydraulically operated by two foot pedals which can be locked together

**Steering**

- Hydrostatic

**Power take-off**

- 540 rpm at 2199 engine rpm or 1000 rpm at 2381 engine rpm

**Unladen tractor mass**

- 2WD 7695 lbs (3490 kg)

- FWA 8155 lbs (3700 kg)
REPAIRS AND ADJUSTMENTS: No repairs or adjustments

REMARKS: All test results were determined from observed data obtained in accordance with official OECD test procedures. The performance results on this summary were taken from OECD tests conducted under the Code I Test procedure.

We, the undersigned, certify that this is a true summary of data from OECD Reports No. 2077 and 2095, Nebraska Summary 407, February 17, 2004.

Leonard L. Bashford
Director
M.F. Kocher
V.I. Adamchuk
W.P. Campbell
Board of Tractor Test Engineers

### DRAWBAR PERFORMANCE
#### BALLASTED - FRONT DRIVE ENGAGED

<table>
<thead>
<tr>
<th>Fuel Consumption Characteristics</th>
<th>Power (Hp)</th>
<th>Drawbar pull (lbf)</th>
<th>Speed (mph)</th>
<th>Crankshaft speed (rpm)</th>
<th>Slip %</th>
<th>Fuel Consumption (barl/hp.hr)</th>
<th>Temp. °F (°C)</th>
<th>Barom. inch Hg (kPa)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>5th (2S Hi) Gear</strong></td>
<td>43.6</td>
<td>3710</td>
<td>4.41</td>
<td>2590</td>
<td>1.8</td>
<td>0.57</td>
<td>12.28</td>
<td>180</td>
</tr>
<tr>
<td><strong>6th (2M Hi) Gear</strong></td>
<td>45.2</td>
<td>9085</td>
<td>4.41</td>
<td>2590</td>
<td>1.8</td>
<td>0.57</td>
<td>(2.42)</td>
<td>(82)</td>
</tr>
<tr>
<td><strong>7th (3S Hi) Gear</strong></td>
<td>50.1</td>
<td>8790</td>
<td>4.41</td>
<td>2590</td>
<td>1.8</td>
<td>0.57</td>
<td>(2.38)</td>
<td>(80)</td>
</tr>
<tr>
<td><strong>8th (1M Hi) Gear</strong></td>
<td>52.7</td>
<td>8365</td>
<td>4.41</td>
<td>2590</td>
<td>1.8</td>
<td>0.57</td>
<td>(2.38)</td>
<td>(80)</td>
</tr>
<tr>
<td><strong>9th (4S Lo) Gear</strong></td>
<td>53.2</td>
<td>6745</td>
<td>4.41</td>
<td>2590</td>
<td>1.8</td>
<td>0.57</td>
<td>(2.38)</td>
<td>(80)</td>
</tr>
<tr>
<td><strong>10th (2M Lo) Gear</strong></td>
<td>53.8</td>
<td>6625</td>
<td>4.41</td>
<td>2590</td>
<td>1.8</td>
<td>0.57</td>
<td>(2.38)</td>
<td>(80)</td>
</tr>
<tr>
<td><strong>11th (4S Hi) Gear</strong></td>
<td>54.3</td>
<td>4970</td>
<td>4.41</td>
<td>2590</td>
<td>1.8</td>
<td>0.57</td>
<td>(2.38)</td>
<td>(80)</td>
</tr>
<tr>
<td><strong>12th (2M Hi) Gear</strong></td>
<td>54.0</td>
<td>3980</td>
<td>4.41</td>
<td>2590</td>
<td>1.8</td>
<td>0.57</td>
<td>(2.38)</td>
<td>(80)</td>
</tr>
<tr>
<td><strong>13th (3M Lo) Gear</strong></td>
<td>53.4</td>
<td>3575</td>
<td>4.41</td>
<td>2590</td>
<td>1.8</td>
<td>0.57</td>
<td>(2.38)</td>
<td>(80)</td>
</tr>
<tr>
<td><strong>14th (1F Lo) Gear</strong></td>
<td>51.9</td>
<td>3260</td>
<td>4.41</td>
<td>2590</td>
<td>1.8</td>
<td>0.57</td>
<td>(2.38)</td>
<td>(80)</td>
</tr>
<tr>
<td><strong>15th (3M Hi) Gear</strong></td>
<td>51.5</td>
<td>2880</td>
<td>4.41</td>
<td>2590</td>
<td>1.8</td>
<td>0.57</td>
<td>(2.38)</td>
<td>(80)</td>
</tr>
</tbody>
</table>

**JX 80U - FWA (40 km/h transmission)**

### TIRES, BALLAST AND WEIGHT

<table>
<thead>
<tr>
<th>Rear Tires</th>
<th>Ballast</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ballast</td>
<td>- Liquid (total)</td>
</tr>
<tr>
<td>- Liquid (total)</td>
<td></td>
</tr>
<tr>
<td>- Cast Iron (total)</td>
<td></td>
</tr>
<tr>
<td>Rear Tires</td>
<td>Ballast</td>
</tr>
<tr>
<td>Ballast</td>
<td>- Liquid (total)</td>
</tr>
<tr>
<td>- Liquid (total)</td>
<td></td>
</tr>
<tr>
<td>- Cast Iron (total)</td>
<td></td>
</tr>
</tbody>
</table>

### MAXIMUM POWER IN SELECTED GEARS

<table>
<thead>
<tr>
<th>Gear</th>
<th>Power (Hp)</th>
<th>Drawbar Pull (lbf)</th>
<th>Speed (mph)</th>
<th>Crankshaft Speed (rpm)</th>
<th>Slip %</th>
<th>Fuel Consumption (barl/hp.hr)</th>
<th>Temp. °F (°C)</th>
<th>Barom. inch Hg (kPa)</th>
</tr>
</thead>
<tbody>
<tr>
<td>37.7 (28.1)</td>
<td>9105</td>
<td>1.55</td>
<td>2630</td>
<td>15.3</td>
<td>0.590</td>
<td>11.88</td>
<td>174</td>
<td>46</td>
</tr>
<tr>
<td>45.2 (33.7)</td>
<td>9085</td>
<td>1.86</td>
<td>2570</td>
<td>14.8</td>
<td>0.580</td>
<td>12.08</td>
<td>176</td>
<td>46</td>
</tr>
<tr>
<td>50.1 (38.0)</td>
<td>8790</td>
<td>2.17</td>
<td>2520</td>
<td>11.0</td>
<td>0.555</td>
<td>12.64</td>
<td>178</td>
<td>46</td>
</tr>
<tr>
<td>52.7 (39.3)</td>
<td>8365</td>
<td>2.36</td>
<td>2495</td>
<td>8.5</td>
<td>0.552</td>
<td>12.69</td>
<td>176</td>
<td>46</td>
</tr>
<tr>
<td>53.2 (39.7)</td>
<td>7305</td>
<td>2.73</td>
<td>2505</td>
<td>7.0</td>
<td>0.542</td>
<td>12.93</td>
<td>180</td>
<td>46</td>
</tr>
<tr>
<td>53.6 (40.0)</td>
<td>6745</td>
<td>2.98</td>
<td>2490</td>
<td>5.8</td>
<td>0.542</td>
<td>12.93</td>
<td>180</td>
<td>46</td>
</tr>
<tr>
<td>53.9 (40.2)</td>
<td>6025</td>
<td>3.36</td>
<td>2490</td>
<td>5.0</td>
<td>0.539</td>
<td>12.99</td>
<td>176</td>
<td>48</td>
</tr>
<tr>
<td>53.8 (40.1)</td>
<td>5600</td>
<td>3.60</td>
<td>2505</td>
<td>4.5</td>
<td>0.538</td>
<td>13.18</td>
<td>178</td>
<td>48</td>
</tr>
<tr>
<td>54.3 (40.5)</td>
<td>4970</td>
<td>4.10</td>
<td>2508</td>
<td>3.5</td>
<td>0.532</td>
<td>13.18</td>
<td>178</td>
<td>48</td>
</tr>
<tr>
<td>54.0 (40.3)</td>
<td>3980</td>
<td>5.10</td>
<td>2505</td>
<td>3.0</td>
<td>0.534</td>
<td>13.14</td>
<td>180</td>
<td>48</td>
</tr>
<tr>
<td>53.4 (39.8)</td>
<td>3575</td>
<td>5.61</td>
<td>2495</td>
<td>2.5</td>
<td>0.546</td>
<td>12.84</td>
<td>174</td>
<td>48</td>
</tr>
<tr>
<td>51.9 (38.7)</td>
<td>3260</td>
<td>5.97</td>
<td>2408</td>
<td>2.0</td>
<td>0.561</td>
<td>12.49</td>
<td>176</td>
<td>48</td>
</tr>
<tr>
<td>51.5 (38.4)</td>
<td>2880</td>
<td>6.71</td>
<td>2503</td>
<td>1.8</td>
<td>0.561</td>
<td>12.49</td>
<td>180</td>
<td>48</td>
</tr>
</tbody>
</table>
## DRAWBAR PERFORMANCE
### BALLASTED - 2WD
#### FUEL CONSUMPTION CHARACTERISTICS

<table>
<thead>
<tr>
<th>Power (hp)</th>
<th>Drawbar pull (lbs)</th>
<th>Speed (mph)</th>
<th>Crankshaft speed (rpm)</th>
<th>Slip %</th>
<th>Fuel Consumption (lb/hr-hp)</th>
<th>Fuel Consumption (kg/hp-hr)</th>
<th>Temp. (°F) (°C)</th>
<th>Barom. (in Hg)</th>
<th>Shaft (inch)</th>
<th>Dry</th>
<th>Hg (kPa)</th>
</tr>
</thead>
<tbody>
<tr>
<td>42.8 (31.9)</td>
<td>3255 (23.4)</td>
<td>4.96</td>
<td>2505</td>
<td>3.4</td>
<td>0.544</td>
<td>12.89</td>
<td>185 (85)</td>
<td>(21)</td>
<td>(101.7)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### MAXIMUM POWER IN SELECTED GEARS

<table>
<thead>
<tr>
<th>Gear</th>
<th>Power (hp)</th>
<th>Drawbar pull (lbs)</th>
<th>Speed (mph)</th>
<th>Crankshaft speed (rpm)</th>
<th>Slip %</th>
<th>Fuel Consumption (lb/hr-hp)</th>
<th>Fuel Consumption (kg/hp-hr)</th>
<th>Temp. (°F) (°C)</th>
<th>Barom. (in Hg)</th>
<th>Shaft (inch)</th>
<th>Dry</th>
<th>Hg (kPa)</th>
</tr>
</thead>
<tbody>
<tr>
<td>11th (45 Hz) Gear</td>
<td>48.4 (36.1)</td>
<td>620 (29.9)</td>
<td>2.70</td>
<td>2548</td>
<td>14.9</td>
<td>0.587</td>
<td>11.93</td>
<td>175 (78)</td>
<td>(21)</td>
<td>(104.4)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>12th (2MH) Gear</td>
<td>54.4 (40.6)</td>
<td>6205 (27.6)</td>
<td>3.29</td>
<td>2503</td>
<td>6.0</td>
<td>0.526</td>
<td>13.30</td>
<td>178 (81)</td>
<td>(21)</td>
<td>(104.4)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>13th (3ML) Gear</td>
<td>54.4 (40.8)</td>
<td>4810 (21.4)</td>
<td>4.27</td>
<td>2500</td>
<td>4.7</td>
<td>0.519</td>
<td>13.50</td>
<td>178 (81)</td>
<td>(21)</td>
<td>(104.4)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>14th (1FH) Gear</td>
<td>55.5 (41.4)</td>
<td>4315 (19.2)</td>
<td>4.82</td>
<td>2498</td>
<td>4.5</td>
<td>0.518</td>
<td>13.55</td>
<td>180 (82)</td>
<td>(21)</td>
<td>(104.4)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>15th (3MH) Gear</td>
<td>53.0 (39.5)</td>
<td>4970 (18.1)</td>
<td>4.88</td>
<td>2405</td>
<td>4.4</td>
<td>0.529</td>
<td>13.25</td>
<td>181 (83)</td>
<td>(20)</td>
<td>(104.4)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>16th (1FH) Gear</td>
<td>53.8 (40.1)</td>
<td>3640 (16.2)</td>
<td>5.54</td>
<td>2504</td>
<td>4.1</td>
<td>0.534</td>
<td>13.15</td>
<td>181 (83)</td>
<td>(20)</td>
<td>(104.4)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>17th (4ML) Gear</td>
<td>53.1 (39.6)</td>
<td>3190 (14.2)</td>
<td>6.24</td>
<td>2503</td>
<td>3.5</td>
<td>0.534</td>
<td>13.15</td>
<td>183 (84)</td>
<td>(20)</td>
<td>(104.4)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### TIRES, BALLAST AND WEIGHT

#### With Ballast

<table>
<thead>
<tr>
<th>Tire Type</th>
<th>No., Size, Ply &amp; psi/kPa</th>
<th>Liquid (total)</th>
<th>Cast Iron (total)</th>
<th>None</th>
<th>Liquid (total)</th>
<th>Cast Iron (total)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rear Tires</td>
<td>Two 480/70R30;**;13 (90)</td>
<td>None</td>
<td>None</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ballast</td>
<td>None</td>
<td>None</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Front Tires</td>
<td>Two 7.50-16;8;54 (370)</td>
<td>None</td>
<td>None</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ballast</td>
<td>None</td>
<td>None</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Without Ballast

<table>
<thead>
<tr>
<th>Tire Type</th>
<th>No., Size, Ply &amp; psi/kPa</th>
<th>Liquid (total)</th>
<th>Cast Iron (total)</th>
<th>None</th>
<th>Liquid (total)</th>
<th>Cast Iron (total)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rear Tires</td>
<td>Two 480/70R30;**;13 (90)</td>
<td>None</td>
<td>None</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ballast</td>
<td>None</td>
<td>None</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Front Tires</td>
<td>Two 7.50-16;8;54 (370)</td>
<td>None</td>
<td>None</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ballast</td>
<td>None</td>
<td>None</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Height of Drawbar

- Rear: 28.1 in (715 mm)
- Front: 28.5 in (725 mm)

### Static Weight with Operator

<table>
<thead>
<tr>
<th>Type</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rear</td>
<td>5570 lb (2530 kg)</td>
</tr>
<tr>
<td>Front</td>
<td>5135 lb (2330 kg)</td>
</tr>
<tr>
<td>Total</td>
<td>7855 lb (3563 kg)</td>
</tr>
</tbody>
</table>

---

**JX 80U-2WD (30 km/h transmission)**
**THREE POINT HITCH PERFORMANCE (OECD Static Test)**

**CATEGORY: II**

Quick Attach: None

Maximum force exerted through whole range: 6825 lbs (30.4 kN)

i) Opening pressure of relief valve: 2875 psi (198 bar)

ii) Pump delivery rate at minimum pressure: 16.3 GPM (61.8 l/min)

iii) Pump delivery rate at maximum hydraulic power: 15.9 GPM (52.8 l/min)

Delivery pressure: 2453 psi (168 bar)

Power: 19.7 HP (14.7 kW)

**HITCH DIMENSIONS AS TESTED—NO LOAD**

<table>
<thead>
<tr>
<th>SAE TEST</th>
<th>OECD TEST</th>
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</thead>
<tbody>
<tr>
<td>inch</td>
<td>mm</td>
</tr>
<tr>
<td>A</td>
<td>27.0</td>
</tr>
<tr>
<td>B</td>
<td>10.0</td>
</tr>
<tr>
<td>C</td>
<td>13.0</td>
</tr>
<tr>
<td>D</td>
<td>11.8</td>
</tr>
<tr>
<td>E</td>
<td>13.2</td>
</tr>
<tr>
<td>F</td>
<td>8.1</td>
</tr>
<tr>
<td>G</td>
<td>29.3</td>
</tr>
<tr>
<td>H</td>
<td>0.6</td>
</tr>
<tr>
<td>I</td>
<td>15.7</td>
</tr>
<tr>
<td>J</td>
<td>21.2</td>
</tr>
<tr>
<td>K</td>
<td>21.2</td>
</tr>
<tr>
<td>L</td>
<td>43.3</td>
</tr>
<tr>
<td>M</td>
<td>21.7</td>
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<tr>
<td>N</td>
<td>38.0</td>
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<tr>
<td>O</td>
<td>8.0</td>
</tr>
<tr>
<td>P</td>
<td>40.2</td>
</tr>
<tr>
<td>Q</td>
<td>34.3</td>
</tr>
<tr>
<td>R</td>
<td>25.8</td>
</tr>
</tbody>
</table>

**THREE POINT HITCH PERFORMANCE (SAE Static Test)**

Observed maximum pressure psi.(bar) 2875(198)

Location: hydraulic pump

Hydraulic oil temperature:"F(°C) 144(62)

Location: hydraulic sump

Category: II

Quick attach: none

System pressure 2585 psi (178Bar)

Hitch point distance to ground level in. (mm) 8.0(203) 13.6(345) 19.2(488) 24.8(630) 30.4(773) 36.0(915)

Lift force on frame lb (kN) 12540 11600 10455 9200 8275 7900

* * * * * * (kN) (54.9) (51.6) (46.5) (41.2) (36.8) (35.1)