936E
EXCAVATOR

Engine
Cummins QSL9 Tier 4 Final

Gross Power
296 hp (221 kW)

Operating Weight
83,335 lb (37,800 kg)

Bucket Capacity
2.09 yd³ (1.6 m³)

Maximum Digging Depth
24 ft 1 in (7,340 mm)
**Specifications**

**Engine**
- Emissions rating: EPA Tier 4 Final / Stage IV
- Make: Cummins
- Model: QSL9
- Gross power: 296 hp (221 kW) @ 2,000 rpm
- Net power: 280 hp (209 kW) @ 2,000 rpm
- Peak torque: 1,070 lb-ft @ 1,400 rpm
- Number of cylinders: 6
- Displacement: 549 in³ (9.0 L)

**Drive and Brakes**
- Max. travel speed: High: 3.4 mph (5.5 km/h), Low: 2.1 mph (3.4 km/h)
- Max. drawbar pull: 71,938 lbf (320 kN)

**Undercarriage**
- Shoe width, triple grouser: 31.5 in (800 mm)
- Track shoe each side: 48
- Bottom rollers each side: 9
- Top rollers each side: 2

**Hydraulic System**
- Main pumps total flow: 2 × 79 gal/min (300 L/min)
- Max. relief pressure, implement: 4,975 psi (34.3 MPa)
- Max. relief pressure, power boost: 5,410 psi (37.3 MPa)

**Reference Arm**
- Arm length: 10 ft 6 in (3.2 m)
- Arm digging force, ISO - Power boost: 41,589 lbf (185 kN)

**Working Ranges**
- Max. digging depth: 24 ft 1 in (7,341 mm)
- Max. digging reach at ground level: 35 ft 9 in (10,900 mm)
- Max. digging depth 2.4 m (8 ft) level bottom: 23 ft 7 in (7,180 mm)
- Max. digging height: 33 ft 7 in (10,240 mm)
- Max. dumping height: 23 ft 6 in (7,160 mm)
- Max. vertical wall digging depth: 21 ft 2 in (6,460 mm)

**Bucket Performance**
- Bucket capacity: 2.09 yd³ (1.6 m³)
- Bucket digging force, ISO - Power boost: 56,651 lbf (252 kN)

**Service Capacities**
- Fuel tank: 163.8 gal (620 L)
- Engine oil: 7.9 gal (30 L)
- Final drive (each): 2.5 gal (9.5 L)
- Swing drive: 2.8 gal (10.5 L)
- Cooling system: 9.8 gal (37 L)
- Hydraulic reservoir: 63.4 gal (240 L)
- DEF tank: 9.2 gal (35 L)

**Swing System**
- Swing speed: 10.0 rpm
- Swing torque: 81,69 lb-ft (111,000 N-m)

**936E with 800 mm (31.5 in) Shoes, 3.2 m (10 ft 6 in) Arm**

- Reach from swing center
- Bucket hook height
- Lifting capacity
- Rating over front
- Rating over side

<table>
<thead>
<tr>
<th>B: Height</th>
<th>3.0 m (10 ft)</th>
<th>4.6 m (15 ft)</th>
<th>6.1 m (20 ft)</th>
<th>7.6 m (25 ft)</th>
<th>9.1 m (30 ft)</th>
<th>MAX REACH</th>
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<tbody>
<tr>
<td>ft</td>
<td>Cf</td>
<td>Cs</td>
<td>Cf</td>
<td>Cs</td>
<td>Cf</td>
<td>Cs</td>
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<tr>
<td>20 ft</td>
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<td></td>
<td></td>
<td></td>
<td>17,025</td>
<td>15,549</td>
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<tr>
<td>15 ft</td>
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<td></td>
<td>21,292</td>
<td>20,906</td>
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<td>10 ft</td>
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<td>29,326</td>
<td>24,374</td>
<td>19,762</td>
<td>20,234</td>
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<td>5 ft</td>
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<td>27,471</td>
<td>27,057</td>
<td>18,770</td>
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<td>0 ft</td>
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<td>26,720</td>
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<td>18,152</td>
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<td>52,507</td>
<td>37,988</td>
<td>26,629</td>
<td>28,532</td>
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<tr>
<td>-10 ft</td>
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<td>34,862</td>
<td>26,951</td>
<td>26,998</td>
<td>18,058</td>
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<tr>
<td>-15 ft</td>
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<td>28,881</td>
<td>27,687</td>
<td>21,914</td>
<td>18,607</td>
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</table>

1. * Indicates the load is limited by hydraulic capacity rather than the tipping capacity.
2. The above loads are in compliance with the ISO 10567 hydraulic rating standard. They do not exceed 87% of the hydraulic lifting capacity of 75% tipping load.
3. Rating at bucket lift hook.

**Dimensions**

- A: 36 ft 8 in (11,167 mm) G: 10 ft 4 in (3,163 mm)
- B: 11 ft 7 in (3,530 mm) H: 11 ft 6 in (3,500 mm)
- C: 8 ft 6 in (2,590 mm) I: 3 ft 10 in (1,172 mm)
- D: 11 ft 1 in (3,390 mm) J: 10 ft 10 in (3,318 mm)
- E: 13 ft 3 in (4,050 mm) K: 1 ft 9 in (532 mm)
- F: 16 ft 2 in (4,944 mm) L: 31.5 in (800 mm)