9027F ZTS
COMPACT EXCAVATOR

Engine
Yanmar 3TNV80F-SNLY

Gross Power
20.4 hp (15.2 kW)

Operating Weight Cab
6,063 lb (2,750 kg)

Bucket Capacity
0.1 yd³ (0.08 m³)

Maximum Digging Depth
9 ft 4 in (2,853 mm)
**9027FZTS SPECIFICATIONS**

### ENGINE
- **Emission rating**: EPA Tier 4 Final
- **Make**: Yanmar
- **Model**: 3TNV80F-SNLY
- **Net power**: 20.4 hp (15.2 kW) @ 2,500 rpm
- **Peak torque**: 49.6 lb-ft (67.3 N·m) @ 1,800 rpm
- **Cylinders**: 3
- **Displacement**: 77.3 in³ (1.26 L)

### DRIVE AND BRAKES
- **Max. travel speed**: 2.8 mph (4.5 km/h)
- **Max. drawbar pull**: 5,395 lbf (24 kN)

### UNDERCARRIAGE
- **Rubber track assembly**: 12 in (300 mm)
- **Bottom rollers, each side**: 3
- **Top rollers, each side**: 1

### HYDRAULIC SYSTEM
- **Main pump maximum flow**: 22.8 gal/min (86.4 L/min)
- **Relief pressure, main**: 3,133 psi (21.6 MPa)

### SWING SYSTEM
- **Swing speed**: 10 rpm

### WORKING RANGES
- **Max. digging depth**: 9 ft 4 in (2,857 mm)
- **Max. digging reach at ground level**: 15 ft 7 in (4,757 mm)
- **Max. digging height**: 14 ft 3 in (4,365 mm)
- **Max. dumping height**: 10 ft 1 in (3,067 mm)
- **Min. front swing radius**: 6 ft 5 in (1,965 mm)

### BUCKET PERFORMANCE
- **Bucket capacity**: 0.1 yd³ (0.08 m³)
- **Bucket breakout force (ISO)**: 2,697 lbf (12 kN)
- **Bucket breakout force (ISO)**: 4,496 lbf (20 kN)

### SERVICE CAPACITIES
- **Fuel tank**: 7.1 gal (27 L)
- **Engine oil**: 1.2 gal (4.4 L)
- **Cooling system**: 1.3 gal (5 L)
- **Hydraulic reservoir**: 6.9 gal (26 L)
- **Hydraulic system total**: 8.5 gal (32 L)

### REFERENCE ARM
- **Arm length**: 4 ft 3 in (1,300 mm)
- **Arm breakout force (ISO)**: 2,697 lbf (12 kN)

### 9027FZTS WITH 300 MM (12 IN) SHOES, 1.3 M (4 FT 3 IN) ARM

### BLADE DOWN

<table>
<thead>
<tr>
<th>Conditions:</th>
<th>Boom length: 2.08 m (6 ft 10 in)</th>
<th>Arm length: 1.3 m (4 ft 3 in)</th>
<th>Shoes: 300 mm (12 in)</th>
<th>Bucket: SAE 0.08 m³ (0.1 yd³)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>A Reach:</strong> m (ft)</td>
<td><strong>B: Height (ft)</strong></td>
<td><strong>2.0 m (6 ft 6 in)</strong></td>
<td><strong>2.5 m (8 ft 2 in)</strong></td>
<td><strong>3.0 m (9 ft 10 in)</strong></td>
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<tr>
<td></td>
<td></td>
<td><strong>Cf</strong></td>
<td><strong>Cs</strong></td>
<td><strong>Cf</strong></td>
</tr>
<tr>
<td>6 ft 6 in</td>
<td>lb</td>
<td>*1,012</td>
<td>*1,034</td>
<td>*1,262</td>
</tr>
<tr>
<td>3 ft 3 in</td>
<td>lb</td>
<td>*3,040</td>
<td>1,709</td>
<td>*2,092</td>
</tr>
<tr>
<td>0 ft</td>
<td>lb</td>
<td>*2,784</td>
<td>1,980</td>
<td>*2,530</td>
</tr>
<tr>
<td>-3 ft 3 in</td>
<td>lb</td>
<td>*3,159</td>
<td>1,610</td>
<td>*2,334</td>
</tr>
</tbody>
</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.