XL 7210 V
STEEL MILL MAINTENANCE

SPECIFICATIONS

Engine
- Volvo TAD551 VE, Tier III (optional TAD571 VE Tier 4f), 4 cycle, inline 4 cylinder, liquid cooled, electronic controlled
- Vertical canister style lube and main fuel filters and fuel/water separation with manual feed pump attached to engine
- Water in fuel indicator and alarm
  - Gross rating: 173 hp @ 2200 rpm (129kW)
  - 590 ft lb torque @ 1100-1500 rpm (800Nm)
  - Net rating: 153 hp @ 2200 rpm (114kW)
  - Variable viscous fan clutch system
  - Water in fuel indicator and alarm

Gross rating: 173 hp @ 2200 rpm (129kW)
Net rating: 153 hp @ 2200 rpm (114kW)

Maximum slope: 30°
- 24 volt starter
- 100 amp alternator
- Two SAE #C31-S 1000 CCA batteries
- Two-stage dry type air cleaner with centrifugal pre-cleaner and safety element
- Vacuum valve and service indicator

Fuel tank capacity: 82 gallons (310 L)

Controls
- Two electronic joysticks (hoist and bucket, telescope and swing)
- One rocker switch (tilt)
- Joysticks on arm pods
- Quick change joystick pattern switch on instrument panel

Operator Cab
- All-weather cab
- Tinted safety glass windows
- Acoustical lining
- Four-way adjustable seat
- AM/FM radio
- Filtered fresh air heater
- Defroster
- Air conditioner
- Heat-resistant glass in front window
- Rearview mirror on left side
- Seat belt
- Swing lights
- Camera system with three external cameras

Boom
- Two piece triangular telescoping boom
- Adjustable boom rollers with eccentric shafts
- 360° continuous boom tilt
- 105° boom pivot angle

Hydraulic System
- Pumps
  - One load-sensing axial piston pump oil flow 0-110 gpm (0-416 L/min)
  - Pilot gear pump 6 gpm (23 L/min)

System Monitor
- Electronic monitor in cab indicates:
  - Low hydraulic fluid level with shutdown
  - High hydraulic fluid temperature
  - System working pressure
  - System pilot pressure

SYSTEM SPECIFICATIONS
- Four Cylinders
  - One tool: 5.0" ID, 3.0" rod, (127 mm x 76 mm), 25.9° (658 mm) stroke
  - Two hoist: 4.25" ID, 3.0" rod, (108 mm x 76 mm), 53.43° (1357 mm) stroke
  - One telescope: 4.5" ID, 3.25" rod, (127 mm x 83 mm) 136° (394 m) stroke

Four Hydraulic Motors
- Swing: 68 hp (51 kW)
- Tilt: 28 hp (21 kW)

Operating Pressures
- Hoist: 4,900 psi (331 BAR)
- Tilt: 2,400 psi (165 BAR)
- Swing: 4,500 psi (310 BAR)
- Tool: 4,900 psi (331 BAR)
- Telescope: 3,300 psi (228 BAR)
- Propel: 4,900 psi (331 BAR)

Pilot System: 550 psi (38 BAR)

Oil Capacity
- System 95 gallon (360 L)

Filtration System
- 10 micron return filter
- 10 micron pilot filter
- Fin and tube-type oil cooler with thermal by-pass and relief valves
- Pressure-compensated, load-sensing valves with circuit reliefs in all circuits

Crawler Drive
- Dual range, high torque piston motor powers each track
- Planetary crawler drive with integral park brake
- Travel speed on flat, level surface
  - High Speed 2.0 mph (3.2 km/h)
  - Low Speed 1.0 mph (1.6 km/h)
- Automatic two-speed control shifts crawler drive into low speed under difficult travel conditions
- Manual override selector switch to lock travel in low speed

Gradeability
- 88%, limited by engine lubrication requirements

Drawbar Pull
- 65,205 lbs (290 kN)

Track Length: (sprocket - idler) 149.5" (3795 mm)

Average Ground Pressure:
- 8.18 psi (0.58 kg/cm2)
**Dimensions**

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<table>
<thead>
<tr>
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<tbody>
<tr>
<td>A1</td>
<td>Overall length (boom level with scaling hook): 43' 5&quot; (13.2)</td>
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<tr>
<td>A2</td>
<td>Overall length (boom level without scaling hook): 41' 3&quot; (12.6)</td>
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<tr>
<td>B1</td>
<td>Maximum length of upperstructure: 13' 6&quot; (4.1)</td>
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<tr>
<td>C1</td>
<td>Minimum clearance, upperstructure to undercarriage: 5' (127 mm)</td>
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<td>E</td>
<td>Swing clearance, rear of upperstructure: 10' 0&quot; (3.0)</td>
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<tr>
<td>F1</td>
<td>Top of cab guard to groundline (cab level): 11' 6&quot; (3.5)</td>
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<tr>
<td>F2</td>
<td>Top of cab guard to groundline (cab at full tilt): 12' 3&quot; (3.7)</td>
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<tr>
<td>FA</td>
<td>Cab tilt: 25°</td>
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<tr>
<td>G1</td>
<td>Clearance, upperstructure to groundline: 3' 9&quot; (1.1)</td>
</tr>
<tr>
<td>G2</td>
<td>Clearance, counterweight to groundline: 3' 11&quot; (1.2)</td>
</tr>
<tr>
<td>J1</td>
<td>Axis of rotation to centerline of drive sprockets: 6' 2&quot; (1.9)</td>
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Specifications subject to change without notice. Metric units are meters (m) unless noted. Machines shown may have optional equipment.

**Swing**

- Priority swing circuit with axial piston motor
- Planetary transmission

**Swing speed:** 70 rpm

**Swing Brake**

- Automatic spring-set/hydraulic release wet-disc parking brake
- Dynamic braking provided by hydraulic system

**Function Forces**

- Rated Boom In: 23,210 lbs (103 kN)
- Rated Boom Out: 27,357 lbs (122 kN)
- Rated Ripper Tooth Force: 19,888 lbs (89 kN)
- Boom Rotating Torque: 18,375 ft lb (24913 Nm)
- Boom Rotating Speed: 5.3 rpm

**Weight**

- Approximate working weight with hammer, fuel tank half full and no operator

<table>
<thead>
<tr>
<th>Pad Size</th>
<th>Weight</th>
<th>Bearing Pressure</th>
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<tr>
<td>31.5&quot;</td>
<td>77,500 lbs (35,153 kg)</td>
<td>11.4 psi (78.6 kPa)</td>
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