**XL 5310 V**

**STEEL MILL MAINTENANCE**

### SPECIFICATIONS

#### Engine
- **Volvo 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)
- **Net Rating:** 153 hp @ 2200 rpm (114kW)
- **Fuel tank capacity:** 82 gallons (310 L)
- **30° Maximum slope**
- **Gross Rating:** 990 ft lb Torque @ 1100-1500 rpm (1,330 Nm)

#### Controls
- **Six Cylinders**
  - One tool: 5.0” ID, 3.0” rod (127 mm x 76 mm), 25.9” (658 mm) stroke
  - Two hoist cylinders: 4.75” ID, 3.35” rod (121 mm x 85 mm), 310” (787 mm) stroke
  - One telescope: 3.75” ID, 2.75” rod (95 mm x 70 mm), 14” (4.27 m) stroke
  - Two single-acting axle oscillation cylinders: 4.528” ID, 4.528” rod (115 mm x 115 mm), 6.25” (159 mm) stroke
- **Tilting/telescoping steering column**
- **Auxiliary hydraulics**
- **Self-centering joysticks**
- **Joysticks mounted on arm pods**
- **Quick change joystick pattern switch located on instrument panel**

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

#### Hydraulic System
- **Pumps**
  - One load-sensing, axial piston pump; oil flow 0-110 gpm (0-435 L/min)
  - Tandem gear pump (steering, brake/pilot) 10 gpm (38 L/min), 6 gpm (23 L/min)
- **System Monitor**
  - Electronic monitor in cab indicates:
    - Low hydraulic fluid level
    - High hydraulic fluid temperature
    - System working pressure
    - System pilot pressure
- **SYSTEM SPECIFICATIONS**
  - **Six Cylinders**
  - **System pilot pressure**
  - **Propulsion system**
  - **High hydraulic fluid temperature**
  - **Low hydraulic fluid level**

#### Operating Pressures:
- **Hoist...........4,900 psi (331 BAR)**
- **Tilt..................4,900 psi (331 BAR)**
- **Swing..............4,500 psi (310 BAR)**
- **Tool...................4,900 psi (331 BAR)**
- **Telescope.............4,900 psi (331 BAR)**
- ** Propel...............4,900 psi (331 BAR)**
- **Propel, 113 hp (84 kW) each**

#### Filtration System
- **System pilot pressure**
- **Propulsion system**
- **High hydraulic fluid temperature**
- **Low hydraulic fluid level**

#### Oil Capacity
- **Reservoir system 65 gallons (246 L)**
- **Pressurized reservoir with visual oil level gauges**

#### Undercarriage
- **Both axles are equipped with internal wet-disc type service brakes**
- **The steering axle is fitted with oscillation lock cylinders**
- **Electronically operated travel alarm signals excavator movement**

#### Tires
- **10 x 20 Super-Lug**

#### Axles
- **ZF Model 3070 (FTF 2090)**

#### Transmission
- **ZF Model HL 290**

#### Drive Motor
- **Rexroth A6 Series, 160cc/Rev**

#### Minimum Turning Radius
- **255° (7.75 m)**

#### Maximum Turning Radius
- **25° (7.75 m)**

#### Travel speed on flat surface - MPH (kmh):

<table>
<thead>
<tr>
<th>Gear</th>
<th>Creeper Mode</th>
<th>Standard Mode</th>
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<tbody>
<tr>
<td>First Gear</td>
<td>18 mph (29 kmh)</td>
<td>57 mph (92 kmh)</td>
</tr>
<tr>
<td>Second Gear</td>
<td>6.3 mph (10.1 kmh)</td>
<td>12 mph (19.3 kmh)</td>
</tr>
</tbody>
</table>
**Dimensions**

| A | Overall length with attachment open (Travel Position): 28'4" (8.6) |
| B | Overall height with attachment open (Travel Position): 11'2" (3.4) |
| C1 | Overall width of upperstructure: 9'0" (2.7) |
| D | Minimum clearance, upperstructure to undercarriage: 3' (78 mm) |
| E | Swing clearace, rear of upperstructure: 8'6" (2.6) |
| F | Top of cab guard to groundline: 11'1" (3.4) |
| G | Clearance, upperstructure to groundline: 4'2" (1.3) |
| H1 | Height of optional folding lift yoke lowered: 19' (5.9) |
| H2 | Height of pin of optional folding lift yoke: 3'7" (1.1) |
| H3 | Overall height of optional folding lift yoke: 4'0" (1.2) |
| H4 | Height of pin of optional rigid lift yoke: 2'8" (0.8) |
| H5 | Overall height of optional rigid lift yoke: 3'0" (0.9) |
| J1 | Axis of rotation to centerline of drive sprockets: 3'6" (1.1) |
| J2 | Wheelbase of undercarriage: 8'9" (2.7) |
| J3 | Axis of rotation to front of undercarriage: 7'0" (2.1) |

**Specifications**

### 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 is provided by the hydraulic system

### Function Forces
- **Rated Boom Force:** 24,941 lbs (111 kN)
- **Rated Ripper Tooth Force:** 25,405 lbs (113 kN)
- **Boom Rotating Torque:** 25,800 ft lb (34,980 Nm)
- **Boom Rotating Speed:** 7.0 rpm

### Weight
- **Approximate working weight with 36" (914 mm) excavating bucket, fuel tank half full:**
  - 55,926 lbs (25,368 kg)
- **Outriggers:** 2,720 lbs (1,234 kg)
- **Blade:** 1,529 lbs (671 kg)