### OPERATOR ENVIRONMENT

- **ROPS/FOPS** four post canopy or enclosed cab; ISO 6396:2008 sound pressure level LpA=75dB (A); Pilot operated hand controls and foot pedals; Adjustable seat w/seat belt; Arm rests; 12V socket.

  Display includes:
  - Engine oil pressure warning lamp; Battery charging warning lamp; Engine preheat pilot lamp; Engine coolant temp warning lamp; Air cleaner warning lamp; Overload warning lamp; Travel speed pilot lamp; Fuel low level warning lamp; Air cleaner warning lamp; Hyd. quick coupler lock lamp; Engine coolant temp gauge; Fuel gauge and Hour meter.

### OPERATING WEIGHT

- **Canopy operating weight:**
  - Short arm 7,990 lb (3,625 kg)
  - Long arm w/additional counterweight 8,350 lb (3,790 kg)

- **Cab operating weight:**
  - Short arm 8,300 lb (3,765 kg)
  - Long arm w/additional counterweight 8,660 lb (3,930 kg)

**NOTE:** w/rubber tracks/no quick coupler/bucket/fluids/full of fuel/165 lb operator.

### SERVICE CAPACITIES

- **Fuel tank** 10.5 gal (40 L)
- **Hydraulic tank:**
  - Refill capacity 9.8 gal (37 L)
  - Total system 15.9 gal (60 L)
- **Engine oil w/filter change** 1.8 gal (6.7 L)
- **Radiator** 1.5 gal (5.5 L)

### OTHER SPECIFICATIONS

- **Swing speed** 0 – 9.5 RPM
- **Undercarriage:**
  - Track rollers 1 upper/4 lower each
- **Boom:**
  - Swing 75° left/50° right
  - Length 8 ft 2 in (2.5 m)
- **Arm:**
  - Standard length 4 ft 3 in (1.3 m)
  - Long arm length 5 ft 3 in (1.6 m)

### HYDRAULICS

- **Main pumps:** Variable displacement tandem axial piston pump
- **Max rated flow x 2:** 9.9 gpm (37.4 L/min)
- **Auxiliary flow @ 2,973 psi (205 bar):**
  - Primary 16.0 gpm (60.5 L/min)
  - Secondary 16.0 gpm (60.5 L/min)
- **System relief pressure:**
  - Standard 3,270 psi (230 bar)
  - Overload relief valve 3,560 psi (250 bar)
- **Pilot control hydraulic system:**
  - Pump Gear Pump
  - Maximum capacity 2.6 gpm (9.9 L/min)
- **Control valves:**
  - Pilot control for left/right track travel, boom, arm, bucket and swing
  - Manual control for breaker and backfill blade

**Swing motor:**
- Fixed displacement axial piston motor
- Automatic spring applied hydraulic released brake

**Travel motor:**
- Variable displacement axial piston
- 2-stage planetary
- Automatic spring applied hydraulic released brake
Line drawings are for illustrative purpose only and may not be exact representation of unit.

**DIMENSIONS**

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Measurement</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Overall height</td>
<td>8 ft 2 in (2 500 mm)</td>
</tr>
<tr>
<td>B. Overall transport length</td>
<td>15 ft 9 in (4 790 mm)</td>
</tr>
<tr>
<td>C. Width of upper structure</td>
<td>5 ft 0 in (1 530 mm)</td>
</tr>
<tr>
<td>D. Track overall length</td>
<td>7 ft 0 in (2 130 mm)</td>
</tr>
<tr>
<td>E. Track overall width</td>
<td>5 ft 9 in (1 740 mm)</td>
</tr>
<tr>
<td>F. Track shoe width</td>
<td>12 in (300 mm)</td>
</tr>
<tr>
<td>G. Track gauge</td>
<td>4 ft 9 in (1 440 mm)</td>
</tr>
<tr>
<td>H. Center to center – idler to sprocket</td>
<td>5 ft 7 in (1 700 mm)</td>
</tr>
<tr>
<td>I. Upper structure ground clearance</td>
<td>1 ft 9 in (540 mm)</td>
</tr>
<tr>
<td>J. Minimum ground clearance</td>
<td>11 in (290 mm)</td>
</tr>
<tr>
<td>K. Tail swing radius:</td>
<td></td>
</tr>
<tr>
<td>Standard counterweight</td>
<td>2 ft 10 in (870 mm)</td>
</tr>
<tr>
<td>Additional counterweight</td>
<td>3 ft 3 in (985 mm)</td>
</tr>
<tr>
<td>Boom swing</td>
<td>75° left/50° right</td>
</tr>
<tr>
<td>Tail swing overhang:</td>
<td></td>
</tr>
<tr>
<td>Standard counterweight</td>
<td>0 in (0 mm)</td>
</tr>
<tr>
<td>Additional counterweight</td>
<td>5 in (115 mm)</td>
</tr>
</tbody>
</table>

**BLADE SPECS**

<table>
<thead>
<tr>
<th>Blade Type</th>
<th>Standard Blade</th>
<th>Angled Blade</th>
</tr>
</thead>
<tbody>
<tr>
<td>L. Backfill blade height</td>
<td>1 ft 3 in (370 mm)</td>
<td>1 ft 4 in (407 mm)</td>
</tr>
<tr>
<td>M. Backfill blade rise above ground</td>
<td>1 ft 3 in (375 mm)</td>
<td>1 ft 5 in (428 mm)</td>
</tr>
<tr>
<td>N. Backfill blade dig depth</td>
<td>1 ft 3 in (390 mm)</td>
<td>1 ft 5 in (440 mm)</td>
</tr>
<tr>
<td>Backfill blade width</td>
<td>5 ft 9 in (1 740 mm)</td>
<td>5 ft 9 in (1 740 mm)</td>
</tr>
</tbody>
</table>

**PERFORMANCE SPECS**

<table>
<thead>
<tr>
<th>Arm</th>
<th>4 ft 3 in (1.3 m) Arm</th>
<th>5 ft 3 in (1.6 m) Arm</th>
</tr>
</thead>
<tbody>
<tr>
<td>O. Maximum dig radius</td>
<td>17 ft 5 in (5 315 mm)</td>
<td>18 ft 5 in (5 605 mm)</td>
</tr>
<tr>
<td>P. Dig radius at groundline</td>
<td>17 ft 1 in (5 200 mm)</td>
<td>18 ft 0 in (5 495 mm)</td>
</tr>
<tr>
<td>Q. Maximum dig depth</td>
<td>10 ft 3 in (3 135 mm)</td>
<td>11 ft 3 in (3 440 mm)</td>
</tr>
<tr>
<td>R. Vertical straight wall dig depth</td>
<td>7 ft 2 in (2 190 mm)</td>
<td>8 ft 5 in (2 565 mm)</td>
</tr>
<tr>
<td>S. Dump height</td>
<td>11 ft 3 in (3 425 mm)</td>
<td>11 ft 10 in (3 615 mm)</td>
</tr>
<tr>
<td>T. Overall reach height</td>
<td>15 ft 9 in (4 810 mm)</td>
<td>16 ft 7 in (5 010 mm)</td>
</tr>
<tr>
<td>U. Bucket rotation</td>
<td>180°</td>
<td>180°</td>
</tr>
</tbody>
</table>

Arm digging force – ISO | 4,390 lbf (1 990 kgf/19.5 kN) | 3,800 lbf (1 720 kgf/16.9 kN) |
Bucket digging force – ISO | 6,900 lbf (3 130 kgf/30.7 kN) | 6,900 lbf (3 130 kgf/30.7 kN) |
Lift Capacities

8 ft 2 in (2.5 m) Boom, 4 ft 3 in (1.3 m) Arm, Dozer Blade Down Canopy unit equipped with 0.11 m³ (SAE heaped) bucket, 12 in (300 mm) rubber track and 900 lb (410 kg) counterweight.

<table>
<thead>
<tr>
<th>Load/Lift Point Height</th>
<th>3 ft (1.0 m)</th>
<th>7 ft (2.0 m)</th>
<th>10 ft (3.0 m)</th>
<th>13 ft (4.0 m)</th>
<th>MAXIMUM REACH</th>
</tr>
</thead>
<tbody>
<tr>
<td>END SIDE</td>
<td>END SIDE</td>
<td>END SIDE</td>
<td>END SIDE</td>
<td>END SIDE</td>
<td>REACH END</td>
</tr>
<tr>
<td>12 ft 11 in (3.94 m)</td>
<td>1,770 lb³ (530 kg³)</td>
<td>1,070 lb (480 kg)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>+10 ft (3.0 m)</td>
<td>1,380 lb³ (630 kg³)</td>
<td>1,380 lb³ (630 kg³)</td>
<td>1,210 lb³ (550 kg³)</td>
<td>1,020 lb (460 kg)</td>
<td></td>
</tr>
<tr>
<td>+7 ft (2.0 m)</td>
<td>1,400 lb³ (640 kg³)</td>
<td>970 lb (440 kg)</td>
<td>15 ft 3 in (4.64 m)</td>
<td>1,240 lb³ (560 kg³)</td>
<td></td>
</tr>
<tr>
<td>+3 ft (1.0 m)</td>
<td>1,990 lb³ (900 kg³)</td>
<td>1,540 lb (700 kg)</td>
<td>1,400 lb³ (640 kg³)</td>
<td>970 lb (440 kg)</td>
<td></td>
</tr>
<tr>
<td>Groundline</td>
<td>2,980 lb³ (1,320 kg³)</td>
<td>2,410 lb³ (1,090 kg³)</td>
<td>1,440 lb (650 kg)</td>
<td>1,570 lb³ (710 kg³)</td>
<td></td>
</tr>
<tr>
<td>-3 ft (-1.0 m)</td>
<td>3,840 lb³ (1,740 kg³)</td>
<td>3,840 lb³ (1,740 kg³)</td>
<td>2,800 lb (1,270 kg)</td>
<td>1,520 lb³ (690 kg³)</td>
<td></td>
</tr>
<tr>
<td>-7 ft (-2.0 m)</td>
<td>5,680 lb³ (2,580 kg³)</td>
<td>5,680 lb³ (2,580 kg³)</td>
<td>3,190 lb³ (1,450 kg³)</td>
<td>3,900 lb³ (1,760 kg³)</td>
<td></td>
</tr>
</tbody>
</table>

NOTE: Lifting capacity is based on ISO 10567.
Lifting capacity does not exceed 75% of tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.
The lift point is a hook located on the back of the bucket.
*Indicates load limited by hydraulic capacity.

8 ft 2 in (2.5 m) Boom, 5 ft 3 in (1.6 m) Arm, Dozer Blade Down Canopy unit equipped with 0.11 m³ (SAE heaped) bucket, 12 in (300 mm) rubber track and 1,235 lb (560 kg) counterweight.

<table>
<thead>
<tr>
<th>Load/Lift Point Height</th>
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<tr>
<td>END SIDE</td>
<td>END SIDE</td>
<td>END SIDE</td>
<td>END SIDE</td>
<td>END SIDE</td>
<td>REACH END</td>
</tr>
<tr>
<td>12 ft 11 in (3.94 m)</td>
<td>970 lb³ (440 kg³)</td>
<td>970 lb³ (440 kg³)</td>
<td>15 ft 8 in (4.79 m)</td>
<td>940 lb³ (420 kg³)</td>
<td></td>
</tr>
<tr>
<td>+10 ft (3.0 m)</td>
<td>3,710 lb³ (1,680 kg³)</td>
<td>3,390 lb (1,540 kg)</td>
<td>1,770 lb³ (800 kg³)</td>
<td>1,760 lb³ (800 kg³)</td>
<td></td>
</tr>
<tr>
<td>+7 ft (2.0 m)</td>
<td>3,060 lb³ (1,390 kg³)</td>
<td>3,060 lb³ (1,390 kg³)</td>
<td>2,300 lb³ (1,040 kg³)</td>
<td>1,630 lb³ (740 kg³)</td>
<td></td>
</tr>
<tr>
<td>+3 ft (1.0 m)</td>
<td>3,040 lb³ (1,380 kg³)</td>
<td>3,040 lb³ (1,380 kg³)</td>
<td>2,425 lb³ (1,090 kg³)</td>
<td>1,560 lb³ (710 kg³)</td>
<td></td>
</tr>
<tr>
<td>Groundline</td>
<td>4,610 lb³ (2,090 kg³)</td>
<td>4,610 lb³ (2,090 kg³)</td>
<td>3,720 lb³ (1,690 kg³)</td>
<td>3,160 lb³ (1,430 kg³)</td>
<td></td>
</tr>
<tr>
<td>-3 ft (-1.0 m)</td>
<td>4,610 lb³ (2,090 kg³)</td>
<td>4,610 lb³ (2,090 kg³)</td>
<td>3,160 lb³ (1,430 kg³)</td>
<td>2,860 lb³ (1,280 kg³)</td>
<td></td>
</tr>
<tr>
<td>-7 ft (-2.0 m)</td>
<td>4,610 lb³ (2,090 kg³)</td>
<td>4,610 lb³ (2,090 kg³)</td>
<td>3,160 lb³ (1,430 kg³)</td>
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STANDARD EQUIPMENT

ENGINE
Yanmar 3TNV88F-ESHYB
Glow plug starting aid
Dry type air cleaner with restriction indicator

ELECTRICAL
12-volt electrical starting system
Heavy-duty battery
Battery Master Switch
Key Start
Anti-Theft-Engine starting passwords
Front working light
Auto-idle feature with on/off switch
Horn
Pre-wired – Telematics ready

HYDRAULICS
Auxiliary hydraulics – single/bi-directional – and plumbing to arm
Large hydraulic oil cooler
Control pattern selector valve
Cylinder rod protection covers – Dozer and Boom

TRACK DRIVE
Rubber belt tracks
Automatic 2-speed travel
Fully hydrostatic drive system
Sealed and lubricated track rollers
Track tension adjustment – grease type

UPPER STRUCTURE
Zero tail swing
Standard arm: 4 ft 3 in (1.3 m)
Bucket linkage with lifting hook
Thumb bracket

OPERATOR ENVIRONMENT
See page 1

OTHER
Swing boom – 75° left/50° right
Hydraulic backfill blade

WARRANTY
Base warranty coverage: 2-Year/3,000-Hour
Full Machine Limited Warranty

OPTIONAL EQUIPMENT

OPERATOR ENVIRONMENT
Cab with Heat and air conditioning and radio with USB and 2 speakers
Travel alarm

TRACK OPTIONS
Tracks:
Steel Tracks 12 in (300 mm)

OTHER
Additional counterweight adds 330 lb (150 kg)
Optional long arm: 5 ft 3 in (1.6 m)
Hydraulic quick coupler provision
Hydraulic coupler
Klac coupler
Mechanical coupler
Hydraulic hammer
Beacon
2nd auxiliary circuit
Steel Tracks
4-way angle blade with 25° left and 25° right angle offset: adds 220 lb (100 kg)

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