**ENGINE**

Model: AH-6WG1XYSS, Tier III certified
Type: 4-stroke, turbocharged
Cylinders: 6
Bore/Stroke: 5.79 in x 6.07 in (147 x 154 mm)
Displacement: 958 in$^3$ (15 700 cc)
Fuel injection: Direct
Fuel: Diesel
Fuel filter: In-line strainer
Cooling: Liquid
Horsepower per SAE J1349
Net: 532 hp (397 kW) @ 1800 rpm
Maximum torque @ 1500 rpm
Net: 1659 lb-ft (2250 N-m)

**BOOM/ARM**

Boom (Reach)
Length: 27 ft 7 in (8.4 m)
Boom w/arm cylinder & plumbing: 17,725 lb (8040 kg)
Hoist cylinders (2): 1,764 lb (800 kg) each
Total weight: 21,253 lb (9640 kg)

18 ft 5 in Arm (5.62 m)
Bare arm: 7,147 lb (3242 kg)
Bucket cylinder linkage & plumbing: 3,126 lb (1418 kg)
Total weight: 10,273 lb (4660 kg)

14 ft 7 in Arm (4.44 m)
Bare arm: 6,019 lb (2730 kg)
Bucket cylinder linkage & plumbing: 3,126 lb (1418 kg)
Total weight: 9,145 lb (4148 kg)

12 ft 0 in Arm (3.66 m)
Bare arm: 5,251 lb (2382 kg)
Bucket cylinder linkage & plumbing: 3,126 lb (1418 kg)
Total weight: 8,378 lb (3800 kg)

Boom (Mass Excavation)
Length: 23 ft 9 in (7.25 m)
Boom w/arm cylinder & plumbing: 16,491 lb (7480 kg)
Hoist cylinders (2): 1,764 lb (800 kg) each
Total weight: 20,018 lb (9080 kg)

9 ft 9 in Arm (2.98 m) (Mass Excavation)
Bare arm: 5,254 lb (2383 kg)
Bucket cylinder linkage & plumbing: 3,545 lb (1608 kg)
Total weight: 8,799 lb (3991 kg)

**UNDERCARRIAGE**

Number of rollers
Top, each track: 3
Bottom, each track: 9
Number of shoes
Double grouser – each side: 51
Link pitch: 10.3 in (260.35 mm)

**HYDRAULICS**

Pumps (2) Variable displacement axial piston design
Capacity –
Maximum: 2 x 132.1 gpm (500 L/min)
System relief pressure –
Standard: 4554 psi (31.4 MPa)
Power Boost: 4974 psi (34.3 MPa)
Control valves –
4-spool section for right track travel, boom, bucket, arm
5-spool section for left track travel, boom, auxiliary, swing and arm
Boom and arm anti-drift valves
Pilot control hydraulic system –
Pump (1) Gear design
Maximum capacity: 7.1 gpm (27 L/min)
Relief pressure: 638 psi (4.4 MPa)
Swing –
Motor (1) Fixed displacement axial piston design
Speed: 0-6.4 rpm
Brake: Spring-applied hydraulically released with dual cushion relief
Swing torque: 196,560 (266.5)
Travel –
Motor (2) Two-speed axial piston design
Final drive Planetary gear reduction
Drawbar pull: 127,017 lb (565 kN)
Travel Speeds –
Auto shift high to low
Low: 1.8 mph (2.9 km/h)
High: 2.6 mph (4.2 km/h)
Travel control valve – Dual stage relief and counter-balance design

**HYDRAULIC CYLINDERS**

Boom cylinders (2) –
Bore diameter: 7.9 in (200 mm)
Rod diameter: 5.5 in (140 mm)
Stroke: 74.5 in (1983 mm)
Arm cylinder (1) –
Bore diameter: 8.5 in (215 mm)
Rod diameter: 5.9 in (150 mm)
Stroke: 90.2 in (2290 mm)
Bucket cylinder (1) –
Bore diameter: 8.5 in (215 mm)
Rod diameter: 5.9 in (150 mm)
Stroke: 61.2 in (1555 mm)
Arm cylinder (1) – (mass excavation)
Bore diameter: 8.5 in (215 mm)
Rod diameter: 5.9 in (150 mm)
Stroke: 85.6 in (2175 mm)
Bucket cylinder (1) – (mass excavation)
Bore diameter: 8.5 in (215 mm)
Rod diameter: 5.9 in (150 mm)
Stroke: 59.8 in (1520 mm)

**ELECTRICAL**

Voltage: 24 volts, negative ground
Alternator: 50 amp
Batteries (2) Low-maintenance
140 Ah (5 hr rate)

**SERVICE CAPACITIES**

Hydraulic tank
Refill capacity: 82 gal (310 L)
Total system: 190 gal (720 L)
Final drive (per side): 14.6 qt (13.8 L)
Swing drive: 14.3 qt (13.5 L)
Engine
w/filter change: 54.9 qt (52.0 L)
Fuel: 238 gal (900 L)
Radiator: 140.5 qt (133.0 L)

**OPERATING WEIGHT**

With 12 ft 0 in (3.66 m) arm, 27 ft 7 in boom, 29.5 in (750 mm) track shoes, 6,614 lb (3000 kg) bucket, 175 lb (79 kg) operator, full fuel and standard equipment: 178,575 lb (81 000 kg)
## Lift Capacities – Boom Length 27 ft 7 in (8.40 M)

### 18.5 ft (5.62 m) Arm

Lift capacities calculated using a 5,709 lb (2590 kg) bucket, 27,558 lbs (12 500 kg) counterweight.

<table>
<thead>
<tr>
<th>Load (Lift Point) Height</th>
<th>10 ft (3.05 m) END END</th>
<th>15 ft (4.57 m) END END</th>
<th>20 ft (6.10 m) END END</th>
<th>25 ft (7.62 m) END END</th>
<th>30 ft (9.14 m) END END</th>
<th>35 ft (10.67 m) END END</th>
<th>40 ft (12.19 m) END END</th>
<th>45 ft (13.72 m) END END</th>
<th>MAXIMUM REACH</th>
</tr>
</thead>
<tbody>
<tr>
<td>+2 ft (12.92 m)</td>
<td>45 ft (13.72 m)</td>
<td>7,961 lb* (3591 kg)</td>
<td>7,961 lb* (3591 kg)</td>
<td>7,961 lb* (3591 kg)</td>
<td>7,961 lb* (3591 kg)</td>
<td>7,961 lb* (3591 kg)</td>
<td>7,961 lb* (3591 kg)</td>
<td>7,961 lb* (3591 kg)</td>
<td>7,961 lb* (3591 kg)</td>
</tr>
<tr>
<td>-25 ft (7.62 m)</td>
<td>45 ft (13.72 m)</td>
<td>8,061 lb* (3650 kg)</td>
<td>8,061 lb* (3650 kg)</td>
<td>8,061 lb* (3650 kg)</td>
<td>8,061 lb* (3650 kg)</td>
<td>8,061 lb* (3650 kg)</td>
<td>8,061 lb* (3650 kg)</td>
<td>8,061 lb* (3650 kg)</td>
<td>8,061 lb* (3650 kg)</td>
</tr>
<tr>
<td>+26 ft (8.14 m)</td>
<td>15,301 lb* (6931 kg)</td>
<td>15,301 lb* (6931 kg)</td>
<td>15,301 lb* (6931 kg)</td>
<td>15,301 lb* (6931 kg)</td>
<td>15,301 lb* (6931 kg)</td>
<td>15,301 lb* (6931 kg)</td>
<td>15,301 lb* (6931 kg)</td>
<td>15,301 lb* (6931 kg)</td>
<td>15,301 lb* (6931 kg)</td>
</tr>
<tr>
<td>-2 ft (12.92 m)</td>
<td>45 ft (13.72 m)</td>
<td>8,151 lb* (3695 kg)</td>
<td>8,151 lb* (3695 kg)</td>
<td>8,151 lb* (3695 kg)</td>
<td>8,151 lb* (3695 kg)</td>
<td>8,151 lb* (3695 kg)</td>
<td>8,151 lb* (3695 kg)</td>
<td>8,151 lb* (3695 kg)</td>
<td>8,151 lb* (3695 kg)</td>
</tr>
</tbody>
</table>

### 14 ft 7 in (4.44 m) Arm

Load capacities calculated using a 6,616 lbs (3001 kg) bucket, 27,558 lbs (12 500 kg) counterweight.

<table>
<thead>
<tr>
<th>Load (Lift Point) Height</th>
<th>10 ft (3.05 m) END END</th>
<th>15 ft (4.57 m) END END</th>
<th>20 ft (6.10 m) END END</th>
<th>25 ft (7.62 m) END END</th>
<th>30 ft (9.14 m) END END</th>
<th>35 ft (10.67 m) END END</th>
<th>40 ft (12.19 m) END END</th>
<th>45 ft (13.72 m) END END</th>
<th>MAXIMUM REACH</th>
</tr>
</thead>
<tbody>
<tr>
<td>+2 ft (12.92 m)</td>
<td>45 ft (13.72 m)</td>
<td>8,886 lb* (4035 kg)</td>
<td>8,886 lb* (4035 kg)</td>
<td>8,886 lb* (4035 kg)</td>
<td>8,886 lb* (4035 kg)</td>
<td>8,886 lb* (4035 kg)</td>
<td>8,886 lb* (4035 kg)</td>
<td>8,886 lb* (4035 kg)</td>
<td>8,886 lb* (4035 kg)</td>
</tr>
<tr>
<td>-25 ft (7.62 m)</td>
<td>45 ft (13.72 m)</td>
<td>8,856 lb* (4017 kg)</td>
<td>8,856 lb* (4017 kg)</td>
<td>8,856 lb* (4017 kg)</td>
<td>8,856 lb* (4017 kg)</td>
<td>8,856 lb* (4017 kg)</td>
<td>8,856 lb* (4017 kg)</td>
<td>8,856 lb* (4017 kg)</td>
<td>8,856 lb* (4017 kg)</td>
</tr>
<tr>
<td>+2 ft (12.92 m)</td>
<td>45 ft (13.72 m)</td>
<td>8,886 lb* (4035 kg)</td>
<td>8,886 lb* (4035 kg)</td>
<td>8,886 lb* (4035 kg)</td>
<td>8,886 lb* (4035 kg)</td>
<td>8,886 lb* (4035 kg)</td>
<td>8,886 lb* (4035 kg)</td>
<td>8,886 lb* (4035 kg)</td>
<td>8,886 lb* (4035 kg)</td>
</tr>
</tbody>
</table>

*Load capacities do not exceed 75% of the minimum tipping load or 87% of the hydraulic lift capacity. Capacities that are marked with an asterisk are hydraulic limited.
<table>
<thead>
<tr>
<th>Load (Lift Point Height)</th>
<th>10 ft (3.05 m) END SIDE</th>
<th>15 ft (4.57 m) END SIDE</th>
<th>20 ft (6.10 m) END SIDE</th>
<th>25 ft (7.62 m) END SIDE</th>
<th>30 ft (9.14 m) END SIDE</th>
<th>35 ft (10.67 m) END SIDE</th>
<th>40 ft (12.19 m) END SIDE</th>
<th>45 ft (13.72 m) END SIDE</th>
<th>MAXIMUM REACH</th>
</tr>
</thead>
<tbody>
<tr>
<td>+25 ft (10.67 m)</td>
<td>65,930 lb* (29,608 kg)*</td>
<td>48,586 lb* (22,019 kg)*</td>
<td>36,890 lb* (16,745 kg)*</td>
<td>30,568 lb* (13,883 kg)*</td>
<td>26,156 lb* (11,862 kg)*</td>
<td>25,068 lb* (11,361 kg)*</td>
<td>24,988 lb* (11,318 kg)*</td>
<td>22,897 lb* (10,360 kg)*</td>
<td>22,897 lb* (10,360 kg)*</td>
</tr>
<tr>
<td>+20 ft (9.14 m)</td>
<td>65,930 lb* (29,608 kg)*</td>
<td>48,586 lb* (22,019 kg)*</td>
<td>36,890 lb* (16,745 kg)*</td>
<td>30,568 lb* (13,883 kg)*</td>
<td>26,156 lb* (11,862 kg)*</td>
<td>25,068 lb* (11,361 kg)*</td>
<td>24,988 lb* (11,318 kg)*</td>
<td>22,897 lb* (10,360 kg)*</td>
<td>22,897 lb* (10,360 kg)*</td>
</tr>
<tr>
<td>+15 ft (7.62 m)</td>
<td>37,368 lb* (16,958 kg)*</td>
<td>37,368 lb* (16,958 kg)*</td>
<td>29,086 lb* (13,181 kg)*</td>
<td>26,210 lb* (11,907 kg)*</td>
<td>25,398 lb* (11,512 kg)*</td>
<td>23,398 lb* (10,594 kg)*</td>
<td>20,286 lb* (9,149 kg)*</td>
<td>18,748 lb (8,484 kg)</td>
<td>18,748 lb (8,484 kg)</td>
</tr>
<tr>
<td>+10 ft (6.10 m)</td>
<td>37,368 lb* (16,958 kg)*</td>
<td>37,368 lb* (16,958 kg)*</td>
<td>29,086 lb* (13,181 kg)*</td>
<td>26,210 lb* (11,907 kg)*</td>
<td>25,398 lb* (11,512 kg)*</td>
<td>23,398 lb* (10,594 kg)*</td>
<td>20,286 lb* (9,149 kg)*</td>
<td>18,748 lb (8,484 kg)</td>
<td>18,748 lb (8,484 kg)</td>
</tr>
<tr>
<td>+5 ft (4.57 m)</td>
<td>25,398 lb* (11,512 kg)*</td>
<td>25,398 lb* (11,512 kg)*</td>
<td>20,286 lb* (9,149 kg)*</td>
<td>18,748 lb (8,484 kg)</td>
<td>18,748 lb (8,484 kg)</td>
<td>18,748 lb (8,484 kg)</td>
<td>18,748 lb (8,484 kg)</td>
<td>18,748 lb (8,484 kg)</td>
<td>18,748 lb (8,484 kg)</td>
</tr>
<tr>
<td>0 ft (0.00 m)</td>
<td>18,748 lb (8,484 kg)</td>
<td>18,748 lb (8,484 kg)</td>
<td>18,748 lb (8,484 kg)</td>
<td>18,748 lb (8,484 kg)</td>
<td>18,748 lb (8,484 kg)</td>
<td>18,748 lb (8,484 kg)</td>
<td>18,748 lb (8,484 kg)</td>
<td>18,748 lb (8,484 kg)</td>
<td>18,748 lb (8,484 kg)</td>
</tr>
</tbody>
</table>

**LIFT CAPACITIES — BOOM LENGTH 23 FT 9 IN (7.25 M) (MAX EARTH AUGMENTATION)**

<table>
<thead>
<tr>
<th>Load (Lift Point Height)</th>
<th>10 ft (3.05 m) END SIDE</th>
<th>15 ft (4.57 m) END SIDE</th>
<th>20 ft (6.10 m) END SIDE</th>
<th>25 ft (7.62 m) END SIDE</th>
<th>30 ft (9.14 m) END SIDE</th>
<th>35 ft (10.67 m) END SIDE</th>
<th>40 ft (12.19 m) END SIDE</th>
<th>45 ft (13.72 m) END SIDE</th>
<th>MAXIMUM REACH</th>
</tr>
</thead>
<tbody>
<tr>
<td>+25 ft (10.67 m)</td>
<td>65,930 lb* (29,608 kg)*</td>
<td>48,586 lb* (22,019 kg)*</td>
<td>36,890 lb* (16,745 kg)*</td>
<td>30,568 lb* (13,883 kg)*</td>
<td>26,156 lb* (11,862 kg)*</td>
<td>25,068 lb* (11,361 kg)*</td>
<td>24,988 lb* (11,318 kg)*</td>
<td>22,897 lb* (10,360 kg)*</td>
<td>22,897 lb* (10,360 kg)*</td>
</tr>
<tr>
<td>+20 ft (9.14 m)</td>
<td>65,930 lb* (29,608 kg)*</td>
<td>48,586 lb* (22,019 kg)*</td>
<td>36,890 lb* (16,745 kg)*</td>
<td>30,568 lb* (13,883 kg)*</td>
<td>26,156 lb* (11,862 kg)*</td>
<td>25,068 lb* (11,361 kg)*</td>
<td>24,988 lb* (11,318 kg)*</td>
<td>22,897 lb* (10,360 kg)*</td>
<td>22,897 lb* (10,360 kg)*</td>
</tr>
<tr>
<td>+15 ft (7.62 m)</td>
<td>37,368 lb* (16,958 kg)*</td>
<td>37,368 lb* (16,958 kg)*</td>
<td>29,086 lb* (13,181 kg)*</td>
<td>26,210 lb* (11,907 kg)*</td>
<td>25,398 lb* (11,512 kg)*</td>
<td>23,398 lb* (10,594 kg)*</td>
<td>20,286 lb* (9,149 kg)*</td>
<td>18,748 lb (8,484 kg)</td>
<td>18,748 lb (8,484 kg)</td>
</tr>
<tr>
<td>+10 ft (6.10 m)</td>
<td>37,368 lb* (16,958 kg)*</td>
<td>37,368 lb* (16,958 kg)*</td>
<td>29,086 lb* (13,181 kg)*</td>
<td>26,210 lb* (11,907 kg)*</td>
<td>25,398 lb* (11,512 kg)*</td>
<td>23,398 lb* (10,594 kg)*</td>
<td>20,286 lb* (9,149 kg)*</td>
<td>18,748 lb (8,484 kg)</td>
<td>18,748 lb (8,484 kg)</td>
</tr>
<tr>
<td>+5 ft (4.57 m)</td>
<td>25,398 lb* (11,512 kg)*</td>
<td>25,398 lb* (11,512 kg)*</td>
<td>20,286 lb* (9,149 kg)*</td>
<td>18,748 lb (8,484 kg)</td>
<td>18,748 lb (8,484 kg)</td>
<td>18,748 lb (8,484 kg)</td>
<td>18,748 lb (8,484 kg)</td>
<td>18,748 lb (8,484 kg)</td>
<td>18,748 lb (8,484 kg)</td>
</tr>
<tr>
<td>0 ft (0.00 m)</td>
<td>18,748 lb (8,484 kg)</td>
<td>18,748 lb (8,484 kg)</td>
<td>18,748 lb (8,484 kg)</td>
<td>18,748 lb (8,484 kg)</td>
<td>18,748 lb (8,484 kg)</td>
<td>18,748 lb (8,484 kg)</td>
<td>18,748 lb (8,484 kg)</td>
<td>18,748 lb (8,484 kg)</td>
<td>18,748 lb (8,484 kg)</td>
</tr>
</tbody>
</table>

Note: Load capacities are calculated using a 6,616 lb (3,001 kg) bucket, 27,558 lb (12,500 kg) counterweight.
### GENERAL DIMENSIONS

**DIMENSIONS — BOOM LENGTH 27 FT 7 IN (8.40 M)**

<table>
<thead>
<tr>
<th></th>
<th>18 ft 5 in (5.62 m) Arm</th>
<th>14 ft 7 in (4.44 m) Arm</th>
<th>12 ft 0 in (3.66 m) Arm</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Overall height</td>
<td>20 ft 4 in (6.20 m)</td>
<td>16 ft 5 in (5.00 m)</td>
<td>15 ft 9 in (4.81 m)</td>
</tr>
<tr>
<td>B. Cab height</td>
<td>11 ft 10 in (3.61 m)</td>
<td>11 ft 10 in (3.61 m)</td>
<td>11 ft 10 in (3.61 m)</td>
</tr>
<tr>
<td>C. Overall length</td>
<td>45 ft 8 in (13.92 m)</td>
<td>47 ft 0 in (14.32 m)</td>
<td>47 ft 1 in (14.36 m)</td>
</tr>
<tr>
<td>D. w/o attachment</td>
<td>24 ft 6 in (7.46 m)</td>
<td>24 ft 6 in (7.46 m)</td>
<td>24 ft 6 in (7.46 m)</td>
</tr>
<tr>
<td>E. Width of upperstructure</td>
<td>13 ft 11 in (4.25 m)</td>
<td>13 ft 11 in (4.25 m)</td>
<td>13 ft 11 in (4.25 m)</td>
</tr>
<tr>
<td>F. Upperstructure ground clearance</td>
<td>5 ft 3 in (1.59 m)</td>
<td>5 ft 3 in (1.59 m)</td>
<td>5 ft 3 in (1.59 m)</td>
</tr>
<tr>
<td>G. Tail swing radius</td>
<td>14 ft 1 in (4.30 m)</td>
<td>14 ft 1 in (4.30 m)</td>
<td>14 ft 1 in (4.30 m)</td>
</tr>
<tr>
<td>H. Track overall length</td>
<td>20 ft 10 in (6.36 m)</td>
<td>20 ft 10 in (6.36 m)</td>
<td>20 ft 10 in (6.36 m)</td>
</tr>
<tr>
<td>I. Center to center (idler to sprocket)</td>
<td>16 ft 8 in (5.07 m)</td>
<td>16 ft 8 in (5.07 m)</td>
<td>16 ft 8 in (5.07 m)</td>
</tr>
<tr>
<td>J. Track gauge — extended</td>
<td>11 ft 4 in (3.45 m)</td>
<td>11 ft 4 in (3.45 m)</td>
<td>11 ft 4 in (3.45 m)</td>
</tr>
<tr>
<td>K. Track shoe width</td>
<td>29.5 in (750 mm)</td>
<td>29.5 in (750 mm)</td>
<td>29.5 in (750 mm)</td>
</tr>
<tr>
<td>L. Track overall width w/29.5 in (750 mm) shoes</td>
<td>14 ft 4 in (4.36 m)</td>
<td>14 ft 4 in (4.36 m)</td>
<td>14 ft 4 in (4.36 m)</td>
</tr>
<tr>
<td>L. Track overall width w/29.5 in (750 mm) side frames retracted</td>
<td>12 ft 3 in (3.74 m)</td>
<td>12 ft 3 in (3.74 m)</td>
<td>12 ft 3 in (3.74 m)</td>
</tr>
<tr>
<td>M. Minimum ground clearance</td>
<td>2 ft 11 in (0.89 m)</td>
<td>2 ft 11 in (0.89 m)</td>
<td>2 ft 11 in (0.89 m)</td>
</tr>
<tr>
<td>Working weight*</td>
<td>180,471 lb (81 860 kg)</td>
<td>179,342 lb (81 348 kg)</td>
<td>178,575 lb (81 000 kg)</td>
</tr>
<tr>
<td>Ground pressure</td>
<td>14.4 psi (99 bar)</td>
<td>14.3 psi (98 bar)</td>
<td>14.3 psi (98 bar)</td>
</tr>
</tbody>
</table>

*With 29.5 in (750 mm) track shoe, 6,614 lb (3000 kg) bucket, 165 lb (75 kg) operator, full fuel and standard equipment.
PERFORMANCE SPECS — BOOM LENGTH 27 FT 7 IN (8.40 M)

<table>
<thead>
<tr>
<th></th>
<th>18 ft 5 in (5.62 m) Arm</th>
<th>14 ft 7 in (4.44 m) Arm</th>
<th>12 ft 0 in (3.66 m) Arm</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Maximum dig radius</td>
<td>52 ft 10 in (16.11 m)</td>
<td>49 ft 0 in (14.94 m)</td>
<td>46 ft 4 in (14.12 m)</td>
</tr>
<tr>
<td>B. Dig radius at groundline</td>
<td>52 ft 1 in (15.86 m)</td>
<td>48 ft 2 in (14.68 m)</td>
<td>45 ft 5 in (13.84 m)</td>
</tr>
<tr>
<td>C. Maximum dig depth</td>
<td>35 ft 0 in (10.66 m)</td>
<td>31 ft 1 in (9.47 m)</td>
<td>28 ft 6 in (8.69 m)</td>
</tr>
<tr>
<td>D. Dig depth – 8 ft 0 in (2.44 m) level bottom</td>
<td>34 ft 8 in (10.56 m)</td>
<td>30 ft 9 in (9.36 m)</td>
<td>28 ft 1 in (8.57 m)</td>
</tr>
<tr>
<td>E. Dump height</td>
<td>33 ft 4 in (10.17 m)</td>
<td>31 ft 2 in (9.51 m)</td>
<td>29 ft 3 in (8.92 m)</td>
</tr>
<tr>
<td>F. Overall reach height</td>
<td>46 ft 11 in (14.30 m)</td>
<td>44 ft 7 in (13.6 m)</td>
<td>42 ft 4 in (12.91 m)</td>
</tr>
<tr>
<td>G. Bucket rotation</td>
<td>167°</td>
<td>167°</td>
<td>167°</td>
</tr>
<tr>
<td>H. Vertical straight wall dig depth</td>
<td>29 ft 11 in (9.11 m)</td>
<td>25 ft 5 in (7.75 m)</td>
<td>21 ft 3 in (6.44 m)</td>
</tr>
<tr>
<td>J. Minimum swing radius</td>
<td>20 ft 4 in (6.21 m)</td>
<td>20 ft 1 in (6.13 m)</td>
<td>20 ft 7 in (6.27 m)</td>
</tr>
</tbody>
</table>

Arm digging force

<table>
<thead>
<tr>
<th></th>
<th>Standard</th>
<th>Power Boost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard</td>
<td>43,842 lb (195 kN)</td>
<td>52,156 lb (232 kN)</td>
</tr>
<tr>
<td>Power Boost</td>
<td>48,113 lb (214 kN)</td>
<td>56,877 lb (253 kN)</td>
</tr>
</tbody>
</table>

Bucket digging force

<table>
<thead>
<tr>
<th></th>
<th>Standard</th>
<th>Power Boost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard</td>
<td>74,187 lb (330 kN)</td>
<td>74,187 lb (330 kN)</td>
</tr>
<tr>
<td>Power Boost</td>
<td>81,156 lb (361 kN)</td>
<td>81,156 lb (361 kN)</td>
</tr>
</tbody>
</table>
DIMENSIONS — BOOM LENGTH 23 FT 9 IN (7.25 M) (MASS EXCAVATION)

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Measurement</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Overall height</td>
<td>16 ft 5 in (5.00 m)</td>
</tr>
<tr>
<td>B. Cab height</td>
<td>11 ft 10 in (3.61 m)</td>
</tr>
<tr>
<td>C. Overall length</td>
<td>43 ft 4 in (13.21 m)</td>
</tr>
<tr>
<td>D. w/o attachment</td>
<td>24 ft 6 in (7.46 m)</td>
</tr>
<tr>
<td>E. Width of upperstructure</td>
<td>13 ft 11 in (4.25 m)</td>
</tr>
<tr>
<td>F. Upperstructure ground clearance</td>
<td>5 ft 3 in (1.59 m)</td>
</tr>
<tr>
<td>G. Tail swing radius</td>
<td>14 ft 1 in (4.30 m)</td>
</tr>
<tr>
<td>H. Track overall length</td>
<td>20 ft 10 in (6.36 m)</td>
</tr>
<tr>
<td>I. Center to center (idler to sprocket)</td>
<td>16 ft 8 in (5.07 m)</td>
</tr>
<tr>
<td>J. Track gauge — extended</td>
<td>11 ft 4 in (3.45 m)</td>
</tr>
<tr>
<td>K. Track shoe width</td>
<td>29.5 in (750 mm)</td>
</tr>
<tr>
<td>L. Track overall width w/29.5 in (750 mm) shoes</td>
<td>14 ft 4 in (4.36 m)</td>
</tr>
<tr>
<td>L. Track overall width w/29.5 in (750 mm) side frames retracted</td>
<td>12 ft 3 in (3.74 m)</td>
</tr>
<tr>
<td>M. Minimum ground clearance</td>
<td>2 ft 11 in (0.89 m)</td>
</tr>
<tr>
<td>Working weight*</td>
<td>178,771 lb (81,089 kg)</td>
</tr>
<tr>
<td>Ground pressure</td>
<td>14.3 psi (98 bar)</td>
</tr>
</tbody>
</table>

*With 29.5 in (750 mm) track shoe, 7,623 lb (3,450 kg) bucket, 165 lb (75 kg) operator, full fuel and standard equipment.
### PERFORMANCE SPECS — BOOM LENGTH 23 FT 9 IN (7.25 M)

<table>
<thead>
<tr>
<th>Component</th>
<th>Measurement</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Maximum dig radius</td>
<td>40 ft 5 in (12.31 m)</td>
</tr>
<tr>
<td>B. Dig radius at groundline</td>
<td>39 ft 4 in (11.99 m)</td>
</tr>
<tr>
<td>C. Maximum dig depth</td>
<td>23 ft 1 in (7.03 m)</td>
</tr>
<tr>
<td>D. Dig depth – 8 ft 0 in (2.44 m) level bottom</td>
<td>22 ft 7 in (6.88 m)</td>
</tr>
<tr>
<td>E. Dump height</td>
<td>25 ft 11 in (7.89 m)</td>
</tr>
<tr>
<td>F. Overall reach height</td>
<td>38 ft 7 in (11.76 m)</td>
</tr>
<tr>
<td>G. Bucket rotation</td>
<td>162°</td>
</tr>
<tr>
<td>H. Vertical straight wall dig depth</td>
<td>13 ft 11 in (4.25 m)</td>
</tr>
<tr>
<td>J. Minimum swing radius</td>
<td>17 ft 8 in (5.39 m)</td>
</tr>
</tbody>
</table>

**Arm digging force**
- **Standard**: 71,264 lb (317 kN)
- **Power Boost**: 78,009 lb (347 kN)

**Bucket digging force**
- **Standard**: 96,668 lb (430 kN)
- **Power Boost**: 105,660 lb (470 kN)
STANDARD EQUIPMENT

OPERATOR'S COMPARTMENT
Sliding front window – storable
LCD monitor display
Skylight
Cab with Isomount® system
Adjustable deluxe seat with 3 in (76 mm) retractable seat belt
Safety glass – all windows
Climate Control System
AM/FM Radio w/auto tuner
Windshield wiper w/washer
Anti-theft device

ENGINE
AH-6WG1XYSS turbocharged diesel
Tier III certified
Warm up mode
Dial type throttle control
Emergency stop
Auto engine derate
Auto and one touch idle

ELECTRICAL
Batteries (2)
Electronic Systems Monitor
Boom worklight
Horn, dual
Turntable worklight

HYDRAULICS
ISO pattern pilot controls
Work mode selector: SP, H & Auto
Power Boost – automatic
2 Variable flow piston pumps
Auxiliary attachment mode
Nuetral pump destroke
Auxiliary hydraulic valve
Boom and arm anti-drift valves
Attachment cushion control for boom and arm
100% return oil filtration
Boom priority
Hydraulic reversing fan

UNDERCARRIAGE
Shoes: 29.5 in (750 mm) 2-bar, 51 per side
Track length: 20 ft 10 in (6.36 m)
Track gauge: 11 ft 11 in (3.64 m)
Sealed and lubed track

TRACK DRIVE
2-speed hydrostatic travel
Straight tracking travel pedal
Disc-type parking brakes

UPPERSTRUCTURE
Boom: 27 ft 7 in (8.40 m) one piece
Hammer adaptable
Swing brake

OTHER
Counterweight: 27,668 lb (12 561 kg)
Single key lockup

TELEMATICS
CASE SiteWatch™ Telematics – includes hardware. Use special instructions for the 3-yr Advanced data subscription activation and reimbursement

OPTIONAL EQUIPMENT

UPPERSTRUCTURE
Arm: 14 ft 7 in or 12 ft 0 in (4.44 m or 3.66 m)
Mass Excavation
Arm: 9 ft 9 in (2.98 m)
Boom: 23 ft 9 in (7.25 m)
FOPS guard level 2
Front screen
Front grill
Sun visor
Rain deflector
Vandal guard

HYDRAULICS
Auxiliary hydraulics
Single acting, one pump
Double acting, single or dual pump
(includes heavy-duty bucket linkage)
Double acting general purpose for use with thumb kit
Control pattern selector valve

OTHER
Air suspension seat
Load holding control devices, cylinder mounted
Counterweight removal device
Full length track guards

BUCKETS

<table>
<thead>
<tr>
<th>Application</th>
<th>Width</th>
<th>SAE Heaped Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Heavy-duty</td>
<td>42 in thru 84 in</td>
<td>2.53 yd³ thru 5.91 yd³ (1.93 m³ thru 4.52 m³)</td>
</tr>
<tr>
<td>Extreme-duty</td>
<td>45 in thru 84 in</td>
<td>2.47 yd³ thru 5.30 yd³ (1.89 m³ thru 4.05 m³)</td>
</tr>
</tbody>
</table>

NOTE: All specifications are stated in accordance with SAE Standards or Recommended Practices, where applicable.

NOTE: All engines meet current EPA emissions requirements.

IMPORTANT: Case Construction Equipment Inc. reserves the right to change these specifications without notice and without incurring any obligation relating to such change. Case Construction Equipment Inc. does not warrant the safety or reliability of attachments from other manufacturers.

CASE is a trademark registered in the United States and many other countries, owned by or licensed to CNH Industrial N.V., its subsidiaries or affiliates. CNH Industrial Capital is a trademark in the United States and many other countries, owned by or licensed to CNH Industrial N.V., its subsidiaries or affiliates.

Form No. CCE201503CX800B
Replaces Form No. CCE7030801

© 2015 CNH Industrial America LLC
All Rights Reserved

All Case construction equipment is biodiesel ready.