



MORE CARE. BUILT IN.

# SPECIFICATIONS

### Engine

The next-generation Volvo diesel engine uses Volvo Advanced Combustion Technology (V-ACT) to deliver lower emissions and maintain superior performance and fuel efficiency.

The EPA Tier 3 compliant engine uses precise, high-pressure fuel injectors, turbo charger and air to air intercooler, and electronic engine controls to optimize machine performance.

| Engine                   | Volvo D6E EDE3 |             |  |  |  |
|--------------------------|----------------|-------------|--|--|--|
| Power out at             | 30.0 r/s       | 1,800 rpm   |  |  |  |
| Gross (SAE J1995)        | 115 kW         | 154 hp      |  |  |  |
| Net (ISO 9249, DIN 6271) | 106 kW         | 142 hp      |  |  |  |
| Max. torque at 1,350 rpm | 730 Nm         | 538 lb. ft. |  |  |  |
| No. of cylinders         | 6              |             |  |  |  |
| Displacement             | 5.7 I          | 328 cu. in. |  |  |  |
| Bore                     | 98 mm          | 3.86"       |  |  |  |
| Stroke                   | 126 mm         | 4.96"       |  |  |  |

### Electrical system

High-capacity electrical system that is well protected. Waterproof double-lock harness plugs are used to secure corrosion-free connections. The main relays and solenoid valves are shielded to prevent damage. The master switch is standard.

| Voltage           | 24 V        |
|-------------------|-------------|
| Battery           | 2 x 12 V    |
| Battery capacity  | 2 x 140 Ah  |
| Alternator        | 28 V / 80 A |
| Alternator rating | 2,240 W     |

### **Elevating Cab**

Hydraulic elevating cab, raising the operator's line-of-sight to more than 5.0 m (16' 5").

Set your optimum height for any task to have a commanding view with a safe entry and egress of cab in its lowest setting.

Outstanding maneuverability and stability in congested recycling yards.

Easy maneuvering in small, densely filled, urban or inner-city indoor yards.

#### Cab features

New-design Volvo Care Cab with operator protective structure, large and roomy interior, more leg room and foot space. One way travel pedal with rocker switch control (F-N-R) on the right joystick. One-touch release for digging brake pedal. Audio system with remote control. 3 cup holders, 3 outlets, independently adjustable joystick consoles. Excellent all-round visibility provided by maximized cab glass, transparent roof hatch, 2-piece sliding door window and longstroke, easy to adjust and narrow steering column.

The liftable front windshield can easily be stored in the inside roof space and clipped in postion. The removable lower front glass can be stored in the side door pocket. Interior lighting consists of one reading light and one light with timer.

The pressurized and filtered cab air is supplied by a 14-vent climate-control system providing fast defrosting and high cooling and heating performance.

Viscous / spring mounted suspension cushions protect the operator from vibrations. Deluxe airsuspension seat with adjustable seat suspension, height, tilt, recline and forward-backward settings. Adjustable, easy to read 6.4" LCD color monitor provides real time information of machine functions and important diagnostic information and is switchable to rear view camera monitor (option).

| Sound Level:               |               |
|----------------------------|---------------|
| In cab, acc. to ISO 6396   | 70 LpA dB(A)  |
| External, acc. to ISO 6395 | 101 LwA dB(A) |
| ()                         |               |

(Directive 2000/14/EC)

### Undercarriage

**Drive train:** One big variable axial-piston motor on the two-step Power Shift gearbox gives power to front and rear axles, both with hub reductions. **Framework:** All-welded robust torsion box frame. **Wheels:** Alternative single or twin wheels available. **Front axle:** Robust excavator axle with automatic or operator controlled front axle oscillation lock. Oscillating  $\pm$  9° (with mudguards  $\pm$  7°).

| Twin wheels               | 10.00-20    |           |
|---------------------------|-------------|-----------|
| Max. tractive force (net) | 99.5 kN     | 23,370 lb |
| Travel speed:             |             |           |
| on road                   | 20.0 km/h   | 12.4 mph  |
| off road                  | 5.0 / 7.4 / | 8.7 km/h  |
|                           | 3.1 / 4.6 / | 5.4 mph   |
| creep                     | 3.7 km/h    | 2.3 mph   |
| Min. turning radius       | 7.3 m       | 24' 0"    |

### Brakes

Service brakes: servo-hydraulically maneuvered self-adjusting wet multidiscs with two separate brake circuits.

Parking brake: negative wet disc in gear housing, spring applied and pressure released. Digging brake: service brake with mechanical

lock system. Security system: The 2-circuit travel brakes are supplied with two accumulators in the event of failure in the service brake system.

#### Total machine weights

Machine with 5.0 m (**16' 5"**) monoblock boom, 2.45 m (**8' 0"**) dipper arm, quickfit S6, 530 kg (**1,170 lb**) / 750 l (**0.98 yd**<sup>3</sup>) bucket.

### Total machine weights :

with elevating cab

16.8 -18.5 t, **37,040 - 40,790 lb** Dozer blade front and outriggers rear

17,880 kg / 18,220\* kg, **39,420 lb / 40,170\* lb** Dozer blade rear excl. outriggers

16,800 kg / 17,140\* kg, **37,040 lb / 37,790\* lb** 

Front and rear outriggers 18,130 kg / 18,470\* kg, **39,970 lb / 40,720\* lb** \*Machine with 5.1m (**16' 9''**) 2-piece boom.

### Service refill capacities

| Fuel tank                  | 250 I     | 66.0 gal    |
|----------------------------|-----------|-------------|
| Hydraulic system, total    | 260 I     | 68.7 gal    |
| Hydraulic tank             | 123 I     | 32.5 gal    |
| Engine oil                 | 25 I      | 6.6 gal     |
| Engine coolant             | 27 I      | 7.1 gal     |
| Transmission               | 2.5 I     | 0.7 gal     |
| Axle differential:         |           |             |
| Front axle                 | 9.5 I     | 2.5 gal     |
| Rear axle                  | 12.5 I    | 3.3 gal     |
| Final drive, wet disc type | 4 x 2.5 l | 4 x 0.7 gal |

### Hydraulic system

Closed-center load sensing hydraulic system with pressure compensated valves. Load independence of movements. Flow sharing feature, combined with a high flow electronically controlled pump (power regulation). The system gives superior maneuverability and fast movements, for optimal working result and economy.

The following working modes are included in the system:

Parking mode (P): Parking position for optimal safety.

**Travel mode (T):** Engine speed is controlled by travel pedal stroke for low fuel consumption and noise.

**Working mode (W):** Full working flow with adjustable engine rpm for normal working and best speed utilization.

**Customer mode (C):** Operator can set proper oil flow in accordance with job conditions.

**Power Boost:** All digging and lifting forces are increased.

#### Hydraulic pumps:

Max. flows:

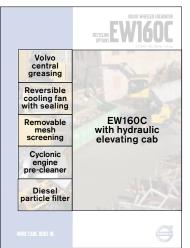
| Main pump<br>(type low noise axial piston           |            | 64.2 gpm  |
|---|------------|-----------|
| Brake + steering pump<br>(type low noise gear pump) |            | 10.0 gpm  |
| Servo pump<br>(type low noise gear pump)            |            | 3.7 gpm   |
| Hydraulic oil cooling fan +                         | pilot pump | )         |
| (type gear pump)                                    | 49.0 l/min | 12.9 gpm  |
| Max. pressure:                                      |            |           |
| Implements  | 32.5 / 36  | MPa       |
|   | 4,714 / 5  | ,220 psi  |
| Travel system                                       | 36 MPa     | 5,220 psi |
| Pilot system  | 3.5 MPa    | 510 psi   |

### Swing system

The superstructure swings by the means of a radial piston motor without reduction gear. Automatic swing holding brake and anti-rebound valve are standard.

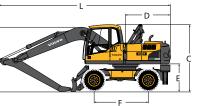
| Max swing speed   | 10.0 rpm       |
|-------------------|----------------|
| Max. swing torque | 49.6 kNm       |
|                   | 36,580 lb. ft. |

### Pictures, Titlepage: Options

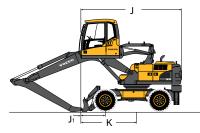


\*May not be compliant in all markets.

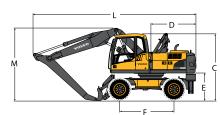
### DIMENSIONS



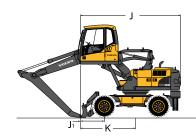
Elevated cab mono boom in transport position



Elevated cab mono boom in maximum overhang position



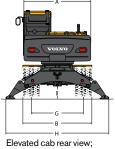
Elevated cab two piece boom in transport position



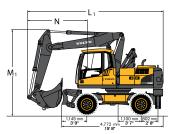
Elevated cab two piece boom in maximum overhang position



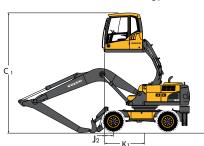
Elevated cab two piece boom in highest position



cab and outrigger down



Driving position Elevated cab



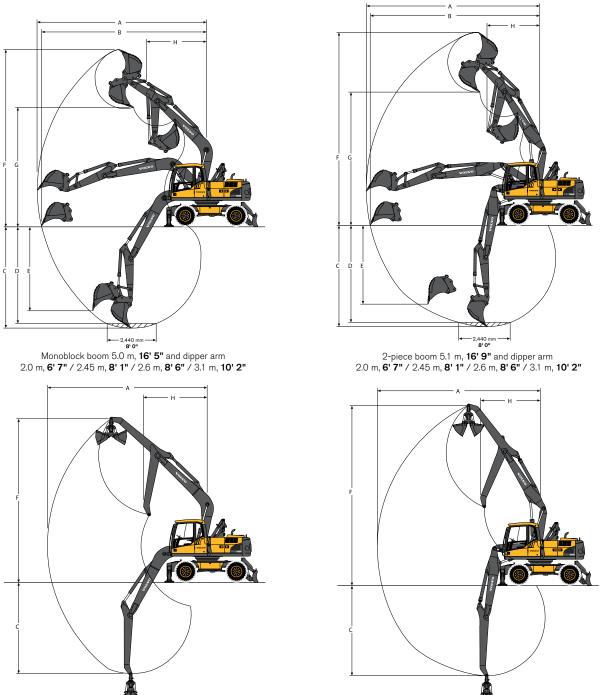
Elevated cab mono boom in highest position

| Description   | Unit                     | 5.0 m, <b>16' 5" monoblock bo</b> | 5.1 m, <b>16' 9" 2-piece boom</b> |
|---|--------------------------|-----------------------------------|-----------------------------------|
| A. Overall width of superstructure                            | mm, <b>ft-in</b>         | 2,490, <b>8' 2"</b>               | 2,490, <b>8' 2"</b>               |
| B. Overall width  | mm, <b>ft-in</b>         | 2,540, <b>8' 4"</b>               | 2,540, <b>8' 4"</b>               |
| C. Overall height of cab                                      | mm, <b>ft-in</b>         | 3,140, <b>10' 4"</b>              | 3,140, <b>10' 4"</b>              |
| C1. Overall height, cab at max. lifting height                | mm, <b>ft-in</b>         | 5,600, <b>18' 5"</b>              | 5,600, <b>18' 5</b> "             |
| D. Tail swing radius  | mm, <b>ft-in</b>         | 2,260, <b>7' 5"</b>               | 2,260, <b>7' 5"</b>               |
| E. Counterweight clearance                                    | mm, <b>ft-in</b>         | 1,270, <b>4' 2"</b>               | 1,270, <b>4' 2"</b>               |
| F. Wheel base   | mm, <b>ft-in</b>         | 2,600, <b>8' 6"</b>               | 2,600, <b>8' 6''</b>              |
| G. Tread  | mm, <b>ft-in</b>         | 1,940, <b>6' 4"</b>               | 1,940, <b>6' 4"</b>               |
| H. Outrigger width (front or rear)                            | mm, <b>ft-in</b>         | 3,920, <b>12' 10"</b>             | 3,920, <b>12' 10"</b>             |
| I. Min. ground clearance                                      | mm, <b>ft-in</b>         | 340, <b>1' 1"</b>                 | 340, <b>1' 1"</b>                 |
| J. Front overhang of cab, max., length to tail                | mm, <b>ft-in</b>         | 4,770, <b>15' 8"</b>              | 4,770, <b>15' 8"</b>              |
| J1. Front overhang of cab, max.                               | mm, <b>ft-in</b>         | 1,150, <b>3' 9"</b>               | 1,150, <b>3' 9"</b>               |
| J <sub>2</sub> . Front overhang of cab at max. lifting height | mm, <b>ft-in</b>         | 670, <b>2' 2"</b>                 | 670, <b>2' 2"</b>                 |
| K. Front swing of cab at max. overhang                        | mm, <b>ft-in</b>         | 2,650, <b>8' 8''</b>              | 2,650, <b>8' 8''</b>              |
| K1. Front swing of cab at max. lifting height                 | mm, <b>ft-in</b>         | 2,170, <b>7' 2"</b>               | 2,170, <b>7' 2"</b>               |
|   | Unit 5.0 m, 16' 5" monob | lock boom, arm                    | 5.1 m, 16' 9" 2-piece boom, arm   |

| Unit 5.0 m, 16' 5" monoblock boom, arm 5.1 m, 16' 9" 2-piece b |  |  |  |   |   | 5.1 m, 16' 9" 2-piece boom, arm   |   |   |  |   |
|--|--|--|--|---|---|---|---|---|--|---|
| m<br><b>ft-in</b>  | 2.0<br><b>6' 7"</b>  | 2.45<br><b>8' 1"</b>   | 2.6<br><b>8' 6"</b>  | 3.1<br><b>10' 2"</b>  | 2.95*<br><b>9' 8"*</b>  | 2.0<br><b>6' 7"</b>   | 2.45<br><b>8' 1"</b>  | 2.6<br><b>8' 6"</b>   | 3.1<br><b>10' 2"</b>   | 2.95*<br><b>9' 8"*</b>  |
| mm<br><b>ft-in</b>   | 8,180<br><b>26' 10"</b>  | 8,190<br><b>26' 11"</b>  | 8,170<br><b>26' 10"</b>  | 7,940<br><b>26' 1"</b>  | 8,210*<br>26' 11"*  | 8,300<br><b>27' 3"</b>  | 8,310<br><b>27' 3"</b>  | 8,290<br><b>27' 2"</b>  | 8,100<br><b>26' 7"</b>   | 8,300*<br><b>27' 3"</b> *   |
| mm<br><b>ft-in</b>   | 2,960<br><b>9' 9"</b>  | 3,190<br><b>10' 6"</b>   | 3,270<br><b>10' 9"</b>   | 3,640<br><b>11' 11"</b>   | 3,155*<br><b>10' 4"*</b>  | 2,765<br><b>9' 1"</b>   | 2,885<br><b>9' 6"</b>   | 2,975<br><b>9' 9"</b>   | 3,390<br><b>11' 2</b> "  | 2,960*<br><b>9' 9"*</b>   |
| mm<br><b>ft-in</b>   |  |  |  |   |   | 6,305<br><b>20' 8"</b>  | 6,345<br><b>20' 10"</b>   | 6,355<br><b>20' 10"</b>   | 6,545**<br><b>21' 6"**</b>   | 6,000*<br><b>19' 8"*</b>  |
| mm<br><b>ft-in</b>   |  |  |  |   |   | 3,960<br><b>13' 0"</b>  | 3,995<br><b>13' 1"</b>  | 4,000<br><b>13' 2"</b>  | 4,000**<br><b>13' 2"**</b>   | 3,950*<br><b>13' 0"</b> *   |
| mm<br><b>ft-in</b>   |  |  |  |   |   | 3,125<br><b>10' 3"</b>  | 3,165<br><b>10' 5"</b>  | 3,175<br><b>10' 5"</b>  | 3,360**<br><b>11' 0"**</b>   | 2,820*<br><b>9' 3"</b> *  |
|  | m<br>ft-in<br>mm<br>ft-in<br>mm<br>ft-in<br>mm<br>ft-in<br>mm<br>ft-in | mm     2.0       ft-in     6' 7"       mm     8,180       ft-in     26' 10"       mm     2,960       ft-in     9' 9"       mm     ft-in       mm     ft-in       mm     mm | m     2.0     2.45       ft-in     6'7"     8'1"       mm     8,180     8,190       ft-in     26'10"     26'11"       mm     2,960     3,190       ft-in     9'9"     10'6"       mm     ft-in | m     2.0     2.45     2.6       ft-in     6' 7"     8' 1"     8' 6"       mm     8,180     8,190     8,170       ft-in     26' 10"     26' 11"     26' 10"       mm     2,960     3,190     3,270       ft-in     9' 9"     10' 6"     10' 9"       mm     ft-in | m     2.0     2.45     2.6     3.1       ft-in     6'7"     8'1"     8'6"     10'2"       mm     8,180     8,190     8,170     7,940       ft-in     26'10"     26'11"     26'10"     26'1"       mm     2,960     3,190     3,270     3,640       ft-in     9'9"     10'6"     10'9"     11'11"       mm     ft-in | m     2.0     2.45     2.6     3.1     2.95'       ft-in     6'7"     8'1"     8'6"     10'2"     9'8"'       mm     8,180     8,190     8,170     7,940     8,210'       ft-in     26' 10"     26' 11"     26' 10"     26' 11"     26' 11"       mm     2,960     3,190     3,270     3,640     3,155'       ft-in     9' 9"     10' 6"     10' 9"     11' 11"     10' 4"*       mm     ft-in     -     -     -     -     -       mm     ft-in     -     -     -     -     -     -       mm     mm     - | m     2.0     2.45     2.6     3.1     2.95*     2.0       ft-in     6' 7"     8' 1"     8' 6"     10' 2"     9' 8"**     6' 7"       mm     8,180     8,190     8,170     7,940     8,210*     26' 11"     26' 11"     26' 11"     26' 11"     26' 11"     26' 11"     26' 11"     26' 11"     26' 11"     26' 11"     27' 3"       mm     2,960     3,190     3,270     3,640     3,155*     2,765       ft-in     9' 9"     10' 6"     10' 9"     11' 11"     10' 4"*     9' 1"       mm     2,960     3,190     3,270     3,640     3,155*     2,765       ft-in     9' 9"     10' 6"     10' 9"     11' 11"     10' 4"*     9' 1"       mm     6     305     20' 8"     3,960     3,960     3,960     3,960       mm     6     3     9     3,125     3,125     3,125 | m     2.0     2.45     2.6     3.1     2.95*     2.0     2.45       ft-in     6'7"     8'1"     8'6"     10'2"     9'8"**     6'7"     8'1"       mm     8,180     8,190     8,170     7,940     8,210*     2,8300     8,310       ft-in     26' 10"     26' 11"     26' 10"     26' 11"     26' 11"*     27'3"     27'3"     27'3"       mm     2,960     3,190     3,270     3,640     3,155*     2,765     2,885       ft-in     9'9"     10'6"     10'9"     11'11"     10'4"*     9'1"     9'6"       mm     3,960     3,995     6,345     20'8"     20'10"       mm     . | m     2.0     2.45     2.6     3.1     2.95*     6'7"     8'1"     8'6"       mm     8.180     8.190     8.170     7.940     8.210*     2.65*     2.7'3"     27'3"     27'3"     27'2"       mm     2.960     3.190     3.270     3.640     3.155*     2.765     2.885     2.975       ft-in     9'9"     10'6"     10'9"     11'11"     10'4"*     9'1"     9'6"     9'9"       mm     2.960     3.190     3.270     3.640     3.155*     2.765     2.885     2.975       ft-in     9'9"     10'6"     10'9"     11'11"     10'4"*     9'1"     9'6"     9'9"       mm     3.960     3.995     4.000     3.960     3.995     4.000       ft-in     .     .     .     .     .     .     .     .     .     .       mm     .     .     .     .     .     .     .     .     .     .     .     . | m     2.0     2.45     2.6     3.1     2.95*     2.0     2.45     2.6     3.1       ft-in     6'7"     8'1"     8'6"     10'2"     9'8"*     6'7"     8'1"     8'6"     10'2"       mm     8,180     8,190     8,170     7,940     8,210*     8,300     8,310     8,290     8,100       ft-in     26' 10"     26' 11"     26' 10"     26' 11"     8'6"     10'2"     8,300     8,310     8,290     8,100       ft-in     9'9"     10'6"     3,270     3,640     3,155*     2,765     2,885     2,975     3,390       ft-in     9'9"     10'6"     10'9"     11'11"     10'4"*     9'1"     9'6"     9'9"     11'2"       mm     . |

\*material handling arm, without clamshell bucket \*\* without bucket

### **WORKING RANGES**



Monoblock boom 5.0 m, 16' 5" and MH arm 2.95 m, 9' 8"

2-piece boom 5.1 m, 16' 9" and MH arm 2.95 m, 9' 8"

|  | Unit               | Unit 5.0 m, 16' 5" monoblock boom, arm 5.1 m, 16' 9" 2-p |                         |                         |                         |                |                         |                         |                         | 2-piece boom, arm      |                |  |
|--|--------------------|--|-------------------------|-------------------------|-------------------------|----------------|-------------------------|-------------------------|-------------------------|------------------------|----------------|--|
| Description                                    | m                  | 2.0  | 2.45                    | 2.6                     | 3.1                     | 2.95*          | 2.0                     | 2.45                    | 2.6                     | 3.1                    | 2.95*          |  |
|  | <b>ft-in</b>       | <b>6' 7"</b>   | <b>8' 1"</b>            | <b>8' 6"</b>            | <b>10' 2"</b>           | <b>9' 8"</b> * | <b>6' 7"</b>            | <b>8' 1"</b>            | <b>8' 6"</b>            | <b>10' 2"</b>          | <b>9' 8"</b> * |  |
| A. Max. digging reach                          | mm                 | 8,590  | 9,010                   | 9,160                   | 9,630                   | 8,050          | 8,730                   | 9,160                   | 9,300                   | 9,780                  | 8,190          |  |
|  | <b>ft-in</b>       | <b>28' 2"</b>  | <b>29' 7"</b>           | <b>30' 1"</b>           | <b>31' 7"</b>           | <b>26' 5"</b>  | <b>28' 8"</b>           | <b>30' 1"</b>           | <b>30' 6"</b>           | <b>32' 1"</b>          | <b>26' 10"</b> |  |
| B. Max. digging reach on ground                | mm<br><b>ft-in</b> | 8,390<br><b>27' 6"</b>                                   | 8,820<br><b>28' 11"</b> | 8,970<br><b>29' 5"</b>  | 9,460<br><b>31' 0"</b>  |                | 8,530<br><b>28' 0"</b>  | 8,970<br><b>29' 5"</b>  | 9,120<br><b>29' 11"</b> | 9,610<br><b>31' 6"</b> |                |  |
| C. Max. digging depth                          | mm                 | 5,140  | 5,590                   | 5,740                   | 6,240                   | 4,590          | 5,120                   | 5,570                   | 5,710                   | 6,220                  | 4,580          |  |
|  | <b>ft-in</b>       | <b>16' 10"</b>   | <b>18' 4"</b>           | <b>18' 10"</b>          | <b>20' 6"</b>           | <b>15' 1"</b>  | <b>16' 10"</b>          | <b>18' 3"</b>           | <b>18' 9"</b>           | <b>20' 5"</b>          | <b>15' 0"</b>  |  |
| D. Max. digging depth (2,440 mm (8' 0") level) | mm<br><b>ft-in</b> | 4,910<br><b>16' 1"</b>                                   | 5,390<br><b>17' 8"</b>  | 5,550<br><b>18' 3"</b>  | 6,070<br><b>19' 11"</b> |                | 5,010<br><b>16' 5"</b>  | 5,470<br><b>17' 11"</b> | 5,620<br><b>18' 5"</b>  | 6,120<br><b>20' 1"</b> |                |  |
| E. Max. vertical wall digging depth            | mm<br><b>ft-in</b> | 4,270<br><b>14' 0''</b>                                  | 4,690<br><b>15' 5"</b>  | 4,840<br><b>15' 11"</b> | 5,310<br><b>17' 5"</b>  |                | 3,970<br><b>13' 0"</b>  | 4,440<br><b>14' 7"</b>  | 4,590<br><b>15' 1"</b>  | 5,070<br><b>16' 8"</b> |                |  |
| F. Max. cutting height                         | mm                 | 8,850  | 9,110                   | 9,200                   | 9,480                   | 8,090          | 9,670                   | 10,000                  | 10,110                  | 10,480                 | 9,000          |  |
|  | <b>ft-in</b>       | <b>29' 0"</b>  | <b>29' 11"</b>          | <b>30' 2"</b>           | <b>31' 1"</b>           | <b>26' 7"</b>  | <b>31' 9"</b>           | <b>32' 10"</b>          | <b>33' 2"</b>           | <b>34' 5"</b>          | <b>29' 6"</b>  |  |
| G. Max. dumping height                         | mm<br><b>ft-in</b> | 5,950<br>1 <b>9' 6"</b>                                  | 6,190<br><b>20' 4"</b>  | 6,240<br><b>20' 6"</b>  | 6,560<br><b>21' 6</b> " |                | 6,670<br><b>21' 11"</b> | 7,000<br><b>23' 0"</b>  | 7,110<br><b>23' 4"</b>  | 7,480<br><b>24' 7"</b> |                |  |
| H. Min. front swing radius                     | mm                 | 3,140  | 3,150                   | 3,160                   | 3,190                   | 3,270          | 2,690                   | 2,820                   | 2,860                   | 3,000                  | 3,010          |  |
|  | <b>ft-in</b>       | <b>10' 4"</b>  | <b>10' 4"</b>           | <b>10' 5"</b>           | <b>10' 6"</b>           | <b>10' 9"</b>  | <b>8' 10''</b>          | <b>9' 3"</b>            | <b>9' 5"</b>            | <b>9' 10"</b>          | <b>9' 11"</b>  |  |

\*material handling arm; dimensions measured at arm end

## STANDARD EQUIPMENT

### Engine

Turbocharged, 4 stroke Volvo diesel engine with water cooling, direct injection and charged air cooler that meets EPA Tier 3 emission requirements Intake air pre-heater Electric engine shut-off Fuel filter and water separator Aluminium core radiator

### Electric/Electronic control system

Contronics-computerized monitoring and diagnostic system Master electrical disconnect switch Automatic idling system One-touch power boost Adjustable monitor Engine restart prevention circuit Safety stop/start function High capacity halogen lamps – Frame mounted 2 – Cab mounted 2 Travel alarm Alternator, 80 A Batteries, 2 x 12 V/140 Ah Start motor, 24 V/4.8 kW

### **OPTIONAL EQUIPMENT**

#### Engine

Block heater, 120 V Water seperator with heater Diesel coolant heater with digital timer Reversible cooling fan Removable mesh screening Sealing of cooler compartment area Dust net for radiator and oil cooler (on cooling compartment) Diesel particle filter Cyclonic engine pre-cleaner Fuel filler pump 50 I/min, **13.2 gpm** with auto stop

### Electric

Rotating beacon Extra work lights: - Service walkway 1 and counterweight 1 - Boom-mounted 2 - Cab front 2 Electric center passage Rear view camera CareTrack via satellite Anti-theft system Cruise control Tilting and rotating attachment preparation

### Hydraulic system

Hose rupture valve for dipper arm Boom float function Hydraulic oil, ISO VG 32 Hydraulic oil, ISO VG 68 Hydraulic oil, ISO VG 68 Hydraulic oil, biodegradable 32 Hydraulic oil, biodegradable 46 Long life hydraulic oil 32 Long life hydraulic oil 46 Long life hydraulic oil 68

### Undercarriage

2-speed power transmission plus creep speed Oscillating front axle ± 9° 2-circuit travel brakes Maintenance-free propeller shafts

### Superstructure

Counterweight, 3,200 kg, **7,055 lb** Service walkway with anti-slip grating Centralized lubricating point for swing bearing

### **Digging equipment**

Attachment points for extra hydraulics Centralized lubrication point

### Cab and interior

Volvo Care Cab with openable PC roof hatch Heater & air-conditioner, automatic Hydraulic dampening cab mounts Adjustable operator seat and joystick control console Adjustable steering wheel AM/FM stereo with CD player and MP3 input; includes flexible antenna Hydraulic safety lock lever Control joystick, with 5 switches each

#### Cab, all-weather sound suppressed, includes: - Cup holder

- Cup fiolder
  Door locks
- Safety glass, light tinted
- Floor mat
- Horn
- Large storage area
- Pull-up type front window
- Removable lower windshield
- Seat belt, 3 inch retractable
- Windshield wiper with washer and intermittent feature

Sun shield, front, roof, rear Anti-vandalism kit assembly preparation

### Hydraulic system

Master ignition key

Load sensing hydraulic system Cylinder cushioning Cylinder contamination seals Return filter of full flow type 2,000 h exchange interval Pressure relief system (servo accumulator) Thermostatically controlled cooling fan Hose rupture valve for boom Hydraulic oil, ISO VG 46

### Hydraulic equipment for:

- Hammer / shear
- Slope bucket/rotator
- Grab/clam shell
- Quick fit
- Flow control
- Flow and pressure control
- Proportional control X1 or X3

### Cab and interior

Hydraulic elevating cab, maximum lifting height 5.6 m, **18' 5"** Proportional control joysticks Falling object guard (FOG) Rain shield, front Sunlight protection, roof hatch (steel) Safety net for front window Lower wiper Anti-vandalism kit Ashtray Lighter Seat: – Fabric seat, with heater – Fabric seat, with heater and air suspension

### Undercarriage

Twin pneumatic tires 10.00 - 20 / 11.00 - 20 Single tires 18R - 19.5 / 600 / 40-22.5 Sparewheel Twin solid tires Stone protection rings Front dozer blade and rear outriggers Rear dozer blade 4 outriggers Mudguards, front/rear Tool box, left side/right side Travel speed 20 km/h, **12.4 mph** Wide axle 2.75 m, **9' 0"** 

### **Digging equipment**

Boom height limitor system Auto lubrication system Booms: 5.0 m, **16' 5"** monoblock 5.1 m, **16' 9"** 2-piece boom Dipper arms: 2.0 m, **6' 7"** / 2.45 m, **8' 1"** 2.6 m, **8' 6"** / 3.1 m, **10' 2"** 2.95 m, **9' 8"** MH arm Buckets: **18"** S6 - GP **18"** XP - GP

**36**" S6 - GP **36**" XP - GP

### Hydraulic quick fit

S1 system S6 system Universal system

### Service

Tool kit, daily maintenance Tool kit, full scale

Standard and optional equipment may vary by market. Please consult your local Volvo dealer for details.







Volvo Construction Equipment is different. Our machines are designed, built and supported in a different way. That difference comes from an engineering heritage of over 175 years. A heritage of thinking first about the people who actually use the machines. About how to help them be safer, more comfortable, more productive. About the environment we all share. The result of that thinking is a growing range of machines and a global support network dedicated to helping you do more. People around the world are proud to use Volvo. And we're proud of what makes Volvo different – **More care. Built in.** 



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