

VOLVO EXCAVATOR

EC360B LC



- **Engine power, gross:**
198 kW 265 hp
- **Operating weight:**
36.8 ~ 39.2 t
81,140 ~ 86,440 lb
- **Buckets (SAE):**
1,600 ~ 3,000 l
2.09 ~ 3.92 yd³
- Turbocharged Volvo diesel engine with direct injection and charged air cooler meets EPA Tier 3 emission standards

- Contronics, Volvo's advanced mode selection system and electronically-controlled system
- Two variable displacement axial piston pumps. Independent and simultaneous movements of the digging equipment are controlled by "Automatic Sensing Work Mode"
- Cab
 - Ergonomic environment for easier operator use
 - Low sound level
 - Filtered air

- Hydraulic dampening mounts
- Fabric seat with heater and air suspension
- Strong digging equipment produced by robotic welding
- High lifting, breakout and tearout forces for tough digging conditions
- Longer undercarriage for excellent stability
- Auxiliary hydraulic valve is standard
- Prepared for a number of optional items

VOLVO



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 Tier 3 compliant engine uses precise, high-pressure fuel injectors, internal recirculation of engine exhaust and electronic engine controls to optimize machine performance.

Air Filter: 3-stage and precleaner

Automatic Idling System: Reduces engine speed to idle when the levers and pedals are not activated resulting in less fuel consumption and low cab noise levels.

Low-Emission Engine:

| | | |
|--------------------------|-----------|--------------------|
| Make | VOLVO | |
| Model | D12D EBE3 | |
| Power output at | 28 r/s | 1,700 rpm |
| Net (ISO 9249/ | | |
| SAE J1349) | 184 kW | 247 hp |
| Gross (SAE J1995) | 198 kW | 265 hp |
| Max. torque at 1,275 rpm | 1,475 N·m | 1,088 lb-ft |
| No. of cylinders | 6 | |
| Displacement | 12.1 l | 738 cu.in |
| Bore | 131 mm | 5.15" |
| Stroke | 150 mm | 5.90" |



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.

Contronics provides advanced monitoring of machine functions and important diagnostic information.

| | |
|------------------|-------------|
| Voltage | 24 V |
| Batteries | 2 x 12 V |
| Battery capacity | 200 Ah |
| Alternator | 28 V / 80 A |



SERVICE REFILL CAPACITIES

| | | |
|-------------------------|-----------|--------------------|
| Fuel tank | 620 l | 164 gal |
| Hydraulic system, total | 500 l | 132 gal |
| Hydraulic tank | 220 l | 58 gal |
| Engine oil | 42 l | 11 gal |
| Engine coolant | 60 l | 16 gal |
| Swing reduction unit | 6.0 l | 1.6 gal |
| Travel reduction unit | 2 x 5.5 l | 2 x 1.5 gal |



SWING SYSTEM

The superstructure is swung by the means of an axial piston motor and a planetary reduction gear. Automatic swing holding brake and anti-rebound valve are standard.

Max. swing speed 9.7 rpm



DRIVE

Each track is powered by an automatic two-speed shift travel motor. The track brakes are multi-disc, spring-applied and hydraulic released. The travel motor, brake and planetary gears are well protected within the track frame.

| | | |
|-------------------------------------|--------------|--------------------|
| Max. drawbar pull (tractive effort) | 256.9 kN | 57,770 lb |
| Max. travel speed | 3.3/4.5 km/h | 2.1/2.8 mph |
| Gradeability | 35° | 70% |



UNDERCARRIAGE

The undercarriage has a robust X-shaped frame. Greased and sealed track chains are standard.

| | | |
|-----------------------------|--------------------------|------------------------------|
| No. of track pads | 2 x 50 | |
| Link pitch | 215.9 mm | 8.5" |
| Shoe width, triple grouser | 600/700/800(Std.)/900 mm | 24"/28"/32"(Std.)/36" |
| Shoe width, double grouser | 600 mm | 24" |
| No. of bottom track rollers | 2 x 9 | |
| No. of top rollers | 2 x 2 | |



HYDRAULIC SYSTEM

The hydraulic system, also known as the "Automatic Sensing Work Mode," is designed for high productivity, high-digging capacity, high-maneuvering precision and good fuel economy. The summation system, boom, arm and swing priority, along with boom and arm regeneration, provide optimum performance.

The following important functions are included in the system:

Summation system: Combines the flow of both hydraulic pumps to ensure quick cycle times and high productivity.

Boom priority: Gives priority to the boom operation for faster raising when loading or performing deep excavations.

Arm priority: Gives priority to the arm operation for faster cycle times in leveling and for increased bucket filling when digging.

Swing priority: Gives priority to swing functions for faster simultaneous operations.

Regeneration system: Prevents cavitation and provides flow to other movements during simultaneous operations for maximum productivity.

Power boost: All digging and lifting forces are increased.

Holding valves: Boom and arm holding valves prevent the digging equipment from creeping.

Main pump:

Type 2 x variable displacement axial piston pumps
Maximum flow 2 x 280 l/min **2 x 74 gpm**

Pilot pump:

Type Gear pump
Maximum flow 1 x 25.5 l/min **6.7 gpm**

Hydraulic motors:

Travel Variable displacement axial piston motor
with mechanical brake
Swing Fixed displacement axial piston motor with
mechanical brake

Relief valve setting:

Implement 31.4/34.3 Mpa **4,550/4,980 psi**
Travel circuit 34.3 Mpa **4,980 psi**
Swing circuit 25.5 Mpa **3,700 psi**
Pilot circuit 3.9 Mpa **570 psi**

Hydraulic cylinders:

Boom 2
Bore x Stroke .. $\varnothing 160 \times 1,530$ mm
 $\varnothing 6.3" \times 60.2"$
Arm 1
Bore x Stroke .. $\varnothing 175 \times 1,700$ mm
 $\varnothing 6.9" \times 66.9"$
Bucket 1
Bore x Stroke .. $\varnothing 145 \times 1,285$ mm
 $\varnothing 5.7" \times 50.6"$
ME bucket 1
Bore x Stroke .. $\varnothing 160 \times 1,250$ mm
 $\varnothing 6.3" \times 49.2"$



CAB

The operator's cab has easy access via a wide door opening. The cab is supported on hydraulic dampening mounts to reduce shock and vibration levels. These along with sound absorbing lining provide low noise levels. The cab has excellent all-round visibility. The front windshield can easily slide up into the ceiling, and the lower front glass can be removed and stored in the side door.

Integrated air-conditioning and heating system:

The pressurized and filtered cab air is supplied by an automatically-controlled fan. The air is distributed throughout the cab from 13 vents.

Ergonomic operator's seat: The adjustable seat and joystick console move independently to accommodate the operator. The seat has nine different adjustments plus a seat belt for the operator's comfort and safety.

Sound Level:

Sound level in cab
according to ISO 6396 LpA 73 dB(A)
External sound level
according to ISO 6395
and EU Directive 2000/14/EC LwA 105 dB(A)



GROUND PRESSURE

- Machine with Std. HD 6.45 m, 21' 2" boom, Std. HD 3.2 m, 10' 6" arm, 1,460 kg, 3,220 lb bucket and 6,700 kg, 14,770 lb counterweight.

| Description | Shoe width | Operating weight | Ground pressure | Overall width |
|----------------|---------------|------------------------|---------------------|---------------------|
| Triple grouser | 600 mm 24" | 36,800 kg 81,140 lb | 65.9 kPa 9.6 psi | 3,340 mm 10' 11" |
| | 700 mm 28" | 37,230 kg 82,090 lb | 57.9 kPa 8.4 psi | 3,440 mm 11' 3" |
| | 800 mm 32" | 37,660 kg 83,040 lb | 51.0 kPa 7.4 psi | 3,540 mm 11' 7" |
| | 900 mm 36" | 38,100 kg 84,010 lb | 46.1 kPa 6.7 psi | 3,640 mm 11' 11" |
| Double grouser | 600 mm 24" | 36,900 kg 81,360 lb | 66.7 kPa 9.7 psi | 3,340 mm 10' 11" |

- Machine with Std. HD 6.45 m, 21' 2" boom, Std. HD 3.2 m, 10' 6" arm, 1,460 kg, 3,220 lb bucket and 7,250 kg, 15,990 lb counterweight.

| Description | Shoe width | Operating weight | Ground pressure | Overall width |
|----------------|---------------|------------------------|---------------------|---------------------|
| Triple grouser | 600 mm 24" | 37,340 kg 82,330 lb | 66.8 kPa 9.7 psi | 3,340 mm 10' 11" |
| | 700 mm 28" | 37,780 kg 83,300 lb | 58.8 kPa 8.5 psi | 3,440 mm 11' 3" |
| | 800 mm 32" | 38,210 kg 84,250 lb | 52.0 kPa 7.5 psi | 3,540 mm 11' 7" |
| | 900 mm 36" | 38,650 kg 85,220 lb | 47.1 kPa 6.8 psi | 3,640 mm 11' 11" |
| Double grouser | 600 mm 24" | 37,450 kg 82,580 lb | 67.7 kPa 9.8 psi | 3,340 mm 10' 11" |

- Machine with Std. HD 6.45 m, 21' 2" boom, Std. HD 3.2 m, 10' 6" arm, 1,460 kg, 3,220 lb bucket and 7,800 kg, 17,200 lb counterweight.

| Description | Shoe width | Operating weight | Ground pressure | Overall width |
|----------------|---------------|------------------------|---------------------|---------------------|
| Triple grouser | 600 mm 24" | 37,900 kg 83,570 lb | 67.8 kPa 9.8 psi | 3,340 mm 10' 11" |
| | 700 mm 28" | 38,330 kg 84,520 lb | 58.8 kPa 8.5 psi | 3,440 mm 11' 3" |
| | 800 mm 32" | 38,760 kg 85,470 lb | 53.0 kPa 7.7 psi | 3,540 mm 11' 7" |
| | 900 mm 36" | 39,200 kg 86,440 lb | 47.1 kPa 6.8 psi | 3,640 mm 11' 11" |
| Double grouser | 600 mm 24" | 38,000 kg 83,790 lb | 68.6 kPa 9.9 psi | 3,340 mm 10' 11" |

MAX. PERMITTED BUCKETS

Note: 1. Bucket size based on ISO 7451, heaped material with a 1:1 angle of repose.
2. "Max. permitted sizes" are for reference only and are not necessarily available from the factory.

- Max. permitted sizes for pin-on buckets:
Counterweight 6,700 kg, 14,770 lb

| Boom | Unit | ME 6.2 m, 20' 4" | Std. HD 6.45 m, 21' 2" | | |
|-----------------------------------------------------------|--------------------|------------------|------------------------|-----------------------|----------------|
| Arm | | 2.6 m, 8' 6" | 2.6 m, 8' 6" | Std. HD 3.2 m, 10' 6" | 3.9 m, 12' 10" |
| GP bucket 1.5 t/m ³ , 2,530 lb/yd ³ | l, yd ³ | 2,875, 3.76 | 2,700, 3.53 | 2,500, 3.27 | 2,275, 2.98 |
| GP bucket 1.8 t/m ³ , 3,030 lb/yd ³ | l, yd ³ | 2,500, 3.27 | 2,375, 3.11 | 2,175, 2.84 | 1,975, 2.58 |
| HD bucket 1.8 t/m ³ , 3,030 lb/yd ³ | l, yd ³ | 2,300, 3.01 | 2,175, 2.84 | 2,000, 2.62 | 1,825, 2.39 |
| HD bucket 2.0 t/m ³ , 3,370 lb/yd ³ | l, yd ³ | 2,150, 2.81 | 2,025, 2.65 | 1,875, 2.45 | 1,700, 2.22 |

- Max. permitted sizes for hook-on buckets:
Counterweight 6,700 kg, 14,770 lb

| Boom | Unit | ME 6.2 m, 20' 4" | Std. HD 6.45 m, 21' 2" | | |
|-----------------------------------------------------------|--------------------|------------------|------------------------|-----------------------|----------------|
| Arm | | 2.6 m, 8' 6" | 2.6 m, 8' 6" | Std. HD 3.2 m, 10' 6" | 3.9 m, 12' 10" |
| GP bucket 1.5 t/m ³ , 2,530 lb/yd ³ | l, yd ³ | 2,725, 3.56 | 2,575, 3.37 | 2,350, 3.07 | 2,125, 2.78 |
| GP bucket 1.8 t/m ³ , 3,030 lb/yd ³ | l, yd ³ | 2,375, 3.11 | 2,250, 2.94 | 2,050, 2.68 | 1,875, 2.45 |
| HD bucket 1.8 t/m ³ , 3,030 lb/yd ³ | l, yd ³ | 2,200, 2.88 | 2,075, 2.71 | 1,900, 2.49 | 1,725, 2.26 |
| HD bucket 2.0 t/m ³ , 3,370 lb/yd ³ | l, yd ³ | 2,050, 2.68 | 1,925, 2.52 | 1,775, 2.32 | 1,600, 2.09 |

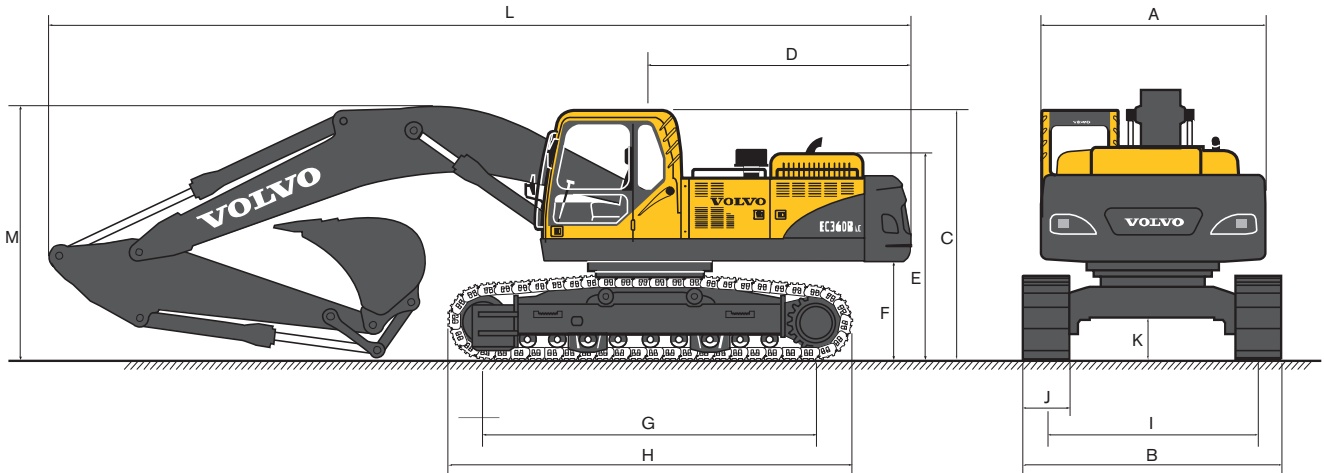
- Max. permitted sizes for pin-on buckets:
Counterweight 7,250 kg, 15,990 lb/7,800 kg, 17,200 lb

| Boom | Unit | ME 6.2 m, 20' 4" | Std. HD 6.45 m, 21' 2" | | |
|-----------------------------------------------------------|--------------------|------------------|------------------------|-----------------------|----------------|
| Arm | | 2.6 m, 8' 6" | 2.6 m, 8' 6" | Std. HD 3.2 m, 10' 6" | 3.9 m, 12' 10" |
| GP bucket 1.5 t/m ³ , 2,530 lb/yd ³ | l, yd ³ | 3,000, 3.92 | 2,825, 3.70 | 2,600, 3.40 | 2,375, 3.11 |
| GP bucket 1.8 t/m ³ , 3,030 lb/yd ³ | l, yd ³ | 2,625, 3.43 | 2,475, 3.24 | 2,275, 2.98 | 2,075, 2.71 |
| HD bucket 1.8 t/m ³ , 3,030 lb/yd ³ | l, yd ³ | 2,425, 3.17 | 2,300, 3.01 | 2,100, 2.75 | 1,925, 2.52 |
| HD bucket 2.0 t/m ³ , 3,370 lb/yd ³ | l, yd ³ | 2,250, 2.94 | 2,125, 2.78 | 1,950, 2.55 | 1,775, 2.32 |

- Max. permitted sizes for hook-on buckets:
Counterweight 7,250 kg, 15,990 lb/7,800 kg, 17,200 lb

| Boom | Unit | ME 6.2 m, 20' 4" | Std. HD 6.45 m, 21' 2" | | |
|-----------------------------------------------------------|--------------------|------------------|------------------------|-----------------------|----------------|
| Arm | | 2.6 m, 8' 6" | 2.6 m, 8' 6" | Std. HD 3.2 m, 10' 6" | 3.9 m, 12' 10" |
| GP bucket 1.5 t/m ³ , 2,530 lb/yd ³ | l, yd ³ | 2,850, 3.73 | 2,700, 3.53 | 2,475, 3.24 | 2,250, 2.94 |
| GP bucket 1.8 t/m ³ , 3,030 lb/yd ³ | l, yd ³ | 2,500, 3.27 | 2,375, 3.11 | 2,175, 2.84 | 1,950, 2.55 |
| HD bucket 1.8 t/m ³ , 3,030 lb/yd ³ | l, yd ³ | 2,300, 3.01 | 2,175, 2.84 | 2,000, 2.62 | 1,800, 2.35 |
| HD bucket 2.0 t/m ³ , 3,370 lb/yd ³ | l, yd ³ | 2,150, 2.81 | 2,025, 2.65 | 1,850, 2.42 | 1,675, 2.19 |

DIMENSIONS

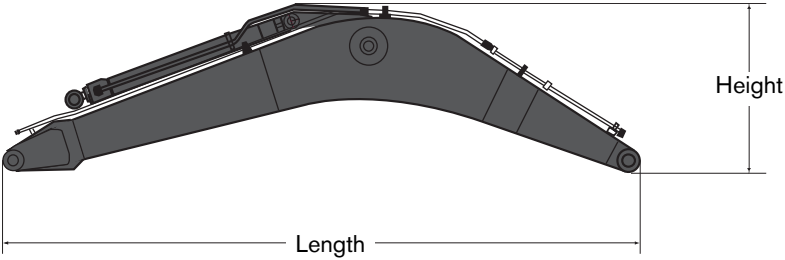


| Boom | Unit | ME 6.2 m, 20' 4" | Std. HD 6.45 m, 21' 2" | | |
|------------------------------------|-----------|------------------|------------------------|-----------------------|----------------|
| Arm | | 2.6 m, 8' 6" | 2.6 m, 8' 6" | Std. HD 3.2 m, 10' 6" | 3.9 m, 12' 10" |
| A. Overall width of superstructure | mm, ft-in | 2,990, 9' 10" | 2,990, 9' 10" | 2,990, 9' 10" | 2,990, 9' 10" |
| B. Overall width | mm, ft-in | 3,540, 11' 7" | 3,540, 11' 7" | 3,540, 11' 7" | 3,540, 11' 7" |
| C. Overall height of cab | mm, ft-in | 3,190, 10' 6" | 3,190, 10' 6" | 3,190, 10' 6" | 3,190, 10' 6" |
| D. Tail swing radius | mm, ft-in | 3,390, 11' 1" | 3,390, 11' 1" | 3,390, 11' 1" | 3,390, 11' 1" |
| E. Overall height of engine hood | mm, ft-in | 2,700, 8' 10" | 2,700, 8' 10" | 2,700, 8' 10" | 2,700, 8' 10" |
| F. Counterweight clearance * | mm, ft-in | 1,210, 4' 0" | 1,210, 4' 0" | 1,210, 4' 0" | 1,210, 4' 0" |
| G. Tumbler length | mm, ft-in | 4,240, 13' 11" | 4,240, 13' 11" | 4,240, 13' 11" | 4,240, 13' 11" |
| H. Track length | mm, ft-in | 5,180, 17' 0" | 5,180, 17' 0" | 5,180, 17' 0" | 5,180, 17' 0" |
| I. Track gauge | mm, ft-in | 2,740, 9' 0" | 2,740, 9' 0" | 2,740, 9' 0" | 2,740, 9' 0" |
| J. Shoe width | mm, in | 800, 32" | 800, 32" | 800, 32" | 800, 32" |
| K. Min. ground clearance * | mm, ft-in | 500, 1' 8" | 500, 1' 8" | 500, 1' 8" | 500, 1' 8" |
| L. Overall length | mm, ft-in | 10,910, 35' 10" | 11,160, 36' 7" | 11,070, 36' 4" | 11,120, 36' 6" |
| M. Overall height of boom | mm, ft-in | 3,700, 12' 2" | 3,580, 11' 9" | 3,350, 11' 0" | 3,590, 11' 9" |

* Without shoe grouser

DIMENSIONS

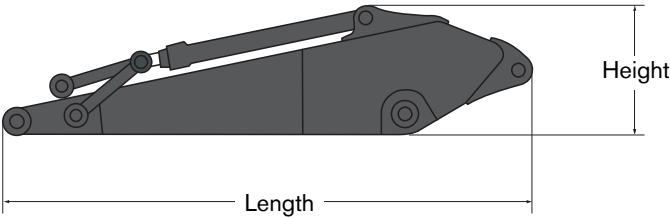
● **Boom**



| Description | ME 6.2 m, 20' 4" | Std. HD 6.45 m, 21' 2" |
|-------------|--------------------|------------------------|
| Length | 6,460 mm, 21' 2" | 6,700 mm, 22' 0" |
| Height | 1,740 mm, 5' 9" | 1,800 mm, 5' 11" |
| Width | 820 mm, 2' 8" | 820 mm, 2' 8" |
| Weight | 3,290 kg, 7,250 lb | 3,310 kg, 7,300 lb |

* Includes cylinder, pin and piping

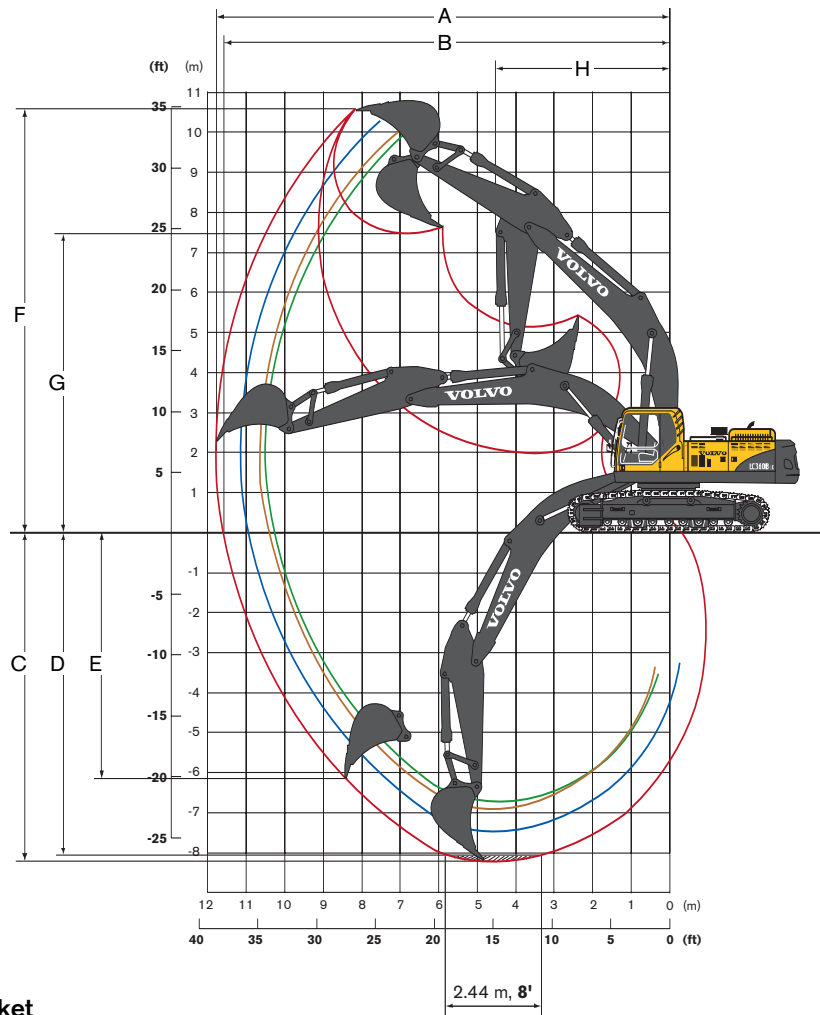
● **Arm**



| Description | 2.6 m, 8' 6" | Std. HD 3.2 m, 10' 6" | 3.9 m, 12' 10" |
|-------------|--------------------|-----------------------|--------------------|
| Length | 3,780 mm, 12' 5" | 4,360 mm, 14' 4" | 5,080 mm, 16' 8" |
| Height | 1,145 mm, 3' 9" | 1,145 mm, 3' 9" | 1,140 mm, 3' 9" |
| Width | 560 mm, 1' 10" | 560 mm, 1' 10" | 560 mm, 1' 10" |
| Weight | 2,020 kg, 4,450 lb | 2,100 kg, 4,630 lb | 2,240 kg, 4,940 lb |

* Includes cylinder, piping and linkage

WORKING RANGES & DIGGING FORCES



• Machine with pin-on bucket

| Boom | Unit | ME 6.2 m, 20' 4" | Std. HD 6.45 m, 21' 2" | | |
|-------------------------------------|-----------|------------------|------------------------|-----------------------|----------------|
| Arm | | 2.6 m, 8' 6" | 2.6 m, 8' 6" | Std. HD 3.2 m, 10' 6" | 3.9 m, 12' 10" |
| A. Max. digging reach | mm, ft-in | 10,480, 34' 5" | 10,660, 35' 0" | 11,180, 36' 8" | 11,820, 38' 9" |
| B. Max. digging reach on ground | mm, ft-in | 10,250, 33' 8" | 10,440, 34' 3" | 10,970, 36' 0" | 11,620, 38' 1" |
| C. Max. digging depth | mm, ft-in | 6,720, 22' 1" | 6,890, 22' 7" | 7,490, 24' 7" | 8,200, 26' 11" |
| D. Max. digging depth (8' level) | mm, ft-in | 6,540, 21' 5" | 6,690, 21' 11" | 7,320, 24' 0" | 8,050, 26' 5" |
| E. Max. vertical wall digging depth | mm, ft-in | 4,800, 15' 9" | 5,110, 16' 9" | 5,510, 18' 1" | 6,140, 20' 2" |
| F. Max. cutting height | mm, ft-in | 10,070, 33' 0" | 10,160, 33' 4" | 10,320, 33' 10" | 10,600, 34' 9" |
| G. Max. dumping height | mm, ft-in | 6,830, 22' 5" | 7,050, 23' 2" | 7,240, 23' 9" | 7,520, 24' 8" |
| H. Min. front swing radius | mm, ft-in | 4,180, 13' 9" | 4,380, 14' 4" | 4,340, 14' 3" | 4,320, 14' 2" |

• Digging forces with pin-on bucket

| Boom | Unit | ME 6.2 m, 20' 4" | Std. HD 6.45 m, 21' 2" | | |
|-------------------------------------------------|-----------------|------------------------------|------------------------------|------------------------------|------------------------------|
| Arm | | 2.6 m, 8' 6" | 2.6 m, 8' 6" | Std. HD 3.2 m, 10' 6" | 3.9 m, 12' 10" |
| Bucket tip radius | mm, in | 1,810, 71" | 1,623, 64" | 1,623, 64" | 1,623, 64" |
| Breakout force – bucket (Normal/Power boost) | SAE kN lb | 208.0/228.0 46,970/51,380 | 192.0/209.0 43,220/47,190 | 192.0/209.0 43,220/47,190 | 192.0/209.0 43,220/47,190 |
| Tearout force – arm (Normal/Power boost) | SAE kN lb | 182.0/200.0 41,010/44,980 | 190.0/207.0 42,780/46,750 | 157.0/172.0 35,500/38,810 | 137.0/150.0 30,870/33,740 |
| Rotation angle, bucket | deg | 164° | 177° | 177° | 177° |

LIFTING CAPACITY (At the arm end without bucket)

Note: For lifting capacity including bucket, simply subtract actual weight of the pin-on bucket or the bucket with quickcoupler from the following values.

EC360B LC (Std. shoe 800 mm, 32", counterweight 6,700 kg, 14,770 lb)









| | Lifting hook related to ground level | 4.5 m, 15' | | 6.0 m, 20' | | | | 7.5 m, 25' | | | | 9.0 m, 30' | | | | Max. reach | | | | | | |
|-------------------------------------------------------------------------|--------------------------------------|----------------------|---------|---------------------|---------|----------------------|---------|---------------------|--------|----------------------|---------|---------------------|---------|----------------------|--------|---------------------|--------|-------------|---------|--------|------------|-------------|
| | | Across undercarriage | | Along undercarriage | | Across undercarriage | | Along undercarriage | | Across undercarriage | | Along undercarriage | | Across undercarriage | | Along undercarriage | | Max. m / ft | | | | |
| | | t | lb | t | lb | t | lb | t | lb | t | lb | t | lb | t | lb | t | lb | | | | | |
| Std. HD boom 6.45 m 21' 2" + Arm 2.6 m 8' 6" | 7.5 25' | | | | | | | | | *8.5 | *16,050 | 8.0 | *16,050 | | | | | *7.1 | *15,800 | *7.1 | *15,800 | 7.0 / 22.7 |
| | 6.0 20' | | | | | | | | | *9.3 | *20,420 | 7.9 | 17,050 | | | | | *6.9 | *15,320 | 6.3 | 14,000 | 8.0 / 26.0 |
| | 4.5 15' | *14.2 | *30,390 | *14.2 | *30,390 | *11.4 | *24,740 | 10.8 | 23,380 | *10.1 | *21,960 | 7.7 | 16,550 | | | | | *7.0 | *15,430 | 5.6 | 12,370 | 8.6 / 28.0 |
| | 3.0 10' | *18.3 | *39,250 | 15.6 | 33,670 | *13.4 | *28,940 | 10.2 | 22,070 | *11.1 | *24,120 | 7.4 | 15,900 | 8.7 | 18,780 | 5.6 | 12,030 | *7.3 | *16,060 | 5.2 | 11,530 | 8.8 / 29.0 |
| | 1.5 5' | *21.3 | *45,900 | 14.6 | 31,510 | *15.1 | *32,720 | 9.7 | 20,930 | 11.3 | 24,280 | 7.1 | 15,290 | 8.6 | 18,460 | 5.5 | 11,740 | *7.8 | *17,260 | 5.1 | 11,240 | 8.9 / 29.1 |
| | 0 0' | *21.8 | *48,450 | 14.2 | 30,600 | 15.6 | 33,440 | 9.4 | 20,210 | 11.0 | 23,790 | 6.9 | 14,850 | 8.5 | 18,250 | 5.4 | 11,550 | 8.2 | 18,130 | 5.2 | 11,470 | 8.6 / 28.2 |
| | -1.5 -5' | *22.1 | *47,930 | 14.2 | 30,450 | 15.4 | 33,120 | 9.2 | 19,930 | 11.0 | 23,580 | 6.8 | 14,670 | | | | | 8.9 | 19,600 | 5.6 | 12,350 | 8.1 / 26.5 |
| | -3.0 -10' | *20.7 | *44,820 | 14.3 | 30,780 | 15.5 | 33,260 | 9.3 | 20,060 | 11.0 | 23,770 | 6.9 | 14,830 | | | | | 10.3 | 22,810 | 6.4 | 14,290 | 7.2 / 23.5 |
| -4.5 -15' | *17.7 | *38,160 | 14.7 | 31,600 | *13.3 | *28,440 | 9.6 | 20,680 | | | | | | | | | *11.6 | *25,520 | 8.4 | 18,760 | 5.8 / 18.8 | |
| Std. HD Boom 6.45 m 21' 2" + Std. HD arm 3.2 m 10' 6" | 7.5 25' | | | | | | | | | *8.3 | *15,690 | 7.9 | *15,690 | | | | | *7.0 | *15,440 | *7.0 | *15,440 | 7.7 / 25.0 |
| | 6.0 20' | | | | | | | | | *9.2 | *20,210 | 7.8 | 16,850 | | | | | *6.8 | *14,960 | 6.2 | 13,810 | 8.6 / 28.0 |
| | 4.5 15' | *14.1 | *30,220 | *14.1 | *30,220 | *11.3 | *24,550 | 10.8 | 23,200 | *10.0 | *21,760 | 7.6 | 16,370 | | | | | *6.8 | *15,070 | 5.5 | 12,190 | 9.1 / 29.8 |
| | 3.0 10' | *18.3 | *39,180 | 15.6 | 33,620 | *13.3 | *28,800 | 10.2 | 21,940 | *11.0 | *23,940 | 7.3 | 15,740 | 8.6 | 18,600 | 5.5 | 11,860 | *7.1 | *15,700 | 5.1 | 11,350 | 9.4 / 30.8 |
| | 1.5 5' | *21.3 | *45,890 | 14.6 | 31,540 | *15.1 | *32,620 | 9.7 | 20,840 | 11.2 | 24,130 | 7.0 | 15,150 | 8.5 | 18,290 | 5.4 | 11,580 | *7.7 | *16,890 | 5.0 | 11,070 | 9.4 / 30.8 |
| | 0 0' | *21.6 | *48,460 | 14.3 | 30,660 | 15.5 | 33,370 | 9.3 | 20,140 | 11.0 | 23,650 | 6.8 | 14,720 | 8.4 | 18,080 | 5.3 | 11,390 | 8.1 | 17,960 | 5.1 | 11,310 | 9.2 / 30.1 |
| | -1.5 -5' | *22.1 | *47,940 | *14.2 | 30,500 | 15.4 | 33,050 | 9.2 | 19,860 | 10.9 | 23,450 | 6.7 | 14,540 | | | | | 8.8 | 19,440 | 5.5 | 12,190 | 8.7 / 28.4 |
| | -3.0 -10' | *20.7 | *44,810 | 14.3 | 30,800 | 15.4 | 33,180 | 9.3 | 19,970 | 11.0 | 23,620 | 6.8 | 14,690 | | | | | 10.2 | 22,660 | 6.4 | 14,140 | 7.9 / 25.7 |
| -4.5 -15' | *17.7 | *38,110 | 14.7 | 31,570 | *13.3 | *28,310 | 9.5 | 20,560 | | | | | | | | | *11.5 | *25,370 | 8.3 | 18,620 | 6.6 / 21.5 | |
| Std. HD boom 6.45 m 21' 2" + Arm 3.9 m 12' 10" | 7.5 25' | | | | | | | | | *8.2 | *15,530 | *7.8 | *15,530 | | | | | *6.9 | *15,280 | *6.9 | *15,280 | 8.5 / 27.6 |
| | 6.0 20' | | | | | | | | | *9.1 | *19,980 | 7.8 | 16,660 | | | | | *6.7 | *14,790 | 6.1 | 13,620 | 9.3 / 30.3 |
| | 4.5 15' | *14.0 | *29,950 | *14.0 | *29,950 | *11.2 | *24,300 | 10.7 | 22,980 | *9.9 | *21,520 | 7.5 | 16,170 | | | | | *6.8 | *14,890 | 5.4 | 12,000 | 9.8 / 32.0 |
| | 3.0 10' | *18.1 | *38,870 | 15.5 | 33,340 | *13.2 | *28,530 | 10.1 | 21,700 | *10.9 | *23,690 | 7.2 | 15,530 | 8.6 | 18,400 | 5.4 | 11,660 | *7.0 | *15,520 | 5.1 | 11,150 | 10.0 / 32.9 |
| | 1.5 5' | *21.1 | *45,560 | 14.5 | 31,240 | *14.9 | *32,330 | 9.5 | 20,590 | 11.1 | 23,910 | 6.9 | 14,920 | 8.4 | 18,080 | 5.3 | 11,370 | *7.6 | *16,710 | 4.9 | 10,870 | 10.1 / 33.0 |
| | 0 0' | *21.6 | *48,130 | 14.1 | 30,350 | 15.4 | 33,110 | 9.2 | 19,880 | 10.9 | 23,420 | 6.7 | 14,490 | 8.3 | 17,870 | 5.2 | 11,180 | 8.1 | 17,750 | 5.0 | 11,100 | 9.8 / 32.3 |
| | -1.5 -5' | *22.0 | *47,610 | 14.0 | 30,190 | 15.3 | 32,790 | 9.1 | 19,600 | 10.8 | 23,220 | 6.6 | 14,310 | | | | | 8.7 | 19,220 | 5.4 | 11,980 | 9.4 / 30.7 |
| | -3.0 -10' | *20.5 | *44,480 | 14.2 | 30,500 | 15.3 | 32,920 | 9.1 | 19,720 | 10.9 | 23,400 | 6.7 | 14,470 | | | | | 10.1 | 22,440 | 6.3 | 13,920 | 8.6 / 28.2 |
| -4.5 -15' | *17.6 | *37,790 | 14.5 | 31,290 | *13.2 | *28,030 | 9.4 | 20,320 | | | | | | | | | *11.4 | *25,100 | 8.2 | 18,390 | 7.5 / 24.5 | |

- Notes: 1. Machine in "Fine Mode-F" (Power Boost) for lifting capacities.
 2. The above loads are in compliance with SAE J1097 and ISO 10567 Hydraulic Excavator Lifting Capacity Standards.
 3. Rated loads do not exceed 87% of hydraulic lifting capacity or 75% of tipping load.
 4. Rated loads marked with an asterisk (*) are limited by hydraulic capacity rather than tipping load.
 5. Contains metric and U.S. measurement charts.

LIFTING CAPACITY (At the arm end without bucket)

Note: For lifting capacity including bucket, simply subtract actual weight of the pin-on bucket or the bucket with quickcoupler from the following values.

EC360B LC (Std. shoe 800 mm, 32", counterweight 7,250 kg, 15,990 lb)















|  Across under-carriage  Along under-carriage | Lifting hook related to ground level | 4.5 m, 15' | | 6.0 m, 20' | | 7.5 m, 25' | | 9.0 m, 30' | | Max. reach | | | | | | | | | | | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|-----------------------------------------------------------------------------------|---------|-----------------------------------------------------------------------------------|---------|-----------------------------------------------------------------------------------|---------|-----------------------------------------------------------------------------------|---------|-----------------------------------------------------------------------------------|---------|-----------------------------------------------------------------------------------|---------|-------------|---------|---------|--------|------------|------------|-----|--------|-------------|
| | |  | |  | |  | |  | |  | |  | | Max. m / ft | | | | | | | | |
| | | t | lb | t | lb | t | lb | t | lb | t | lb | t | lb | | | | | | | | | |
| ME boom 6.2 m 20' 4" + Arm 2.6 m 8' 6" | 7.5 25' | | | | | *10.4 | *23,020 | *10.4 | *23,020 | | | | | *10.3 | *22,880 | 9.6 | 21,600 | 6.8 / 21.8 | | | | |
| | 6.0 20' | | | | | *11.0 | *23,920 | *11.0 | *23,920 | *10.5 | *23,110 | 8.0 | 17,180 | | *9.9 | *21,870 | 7.6 | 16,920 | 7.7 / 25.2 | | | |
| | 4.5 15' | *15.7 | *33,620 | *15.7 | *33,620 | *12.4 | *26,970 | 11.1 | 23,840 | *11.0 | *23,930 | 7.8 | 16,890 | | *10.0 | *21,910 | 6.6 | 14,660 | 8.3 / 27.2 | | | |
| | 3.0 10' | *19.7 | *42,230 | 16.0 | 34,600 | *14.3 | *30,860 | 10.5 | 22,720 | *11.8 | 25,500 | 7.6 | 16,380 | | 9.5 | 21,020 | 6.1 | 13,570 | 8.6 / 28.2 | | | |
| | 1.5 5' | *21.0 | *47,870 | 15.3 | 32,900 | *15.8 | *34,190 | 10.1 | 21,780 | 11.6 | 24,960 | 7.4 | 15,890 | | 9.4 | 20,640 | 6.0 | 13,260 | 8.6 / 28.3 | | | |
| | 0 0' | *22.7 | *49,100 | 15.0 | 32,320 | 16.1 | 34,650 | 9.9 | 21,240 | 11.4 | 24,620 | 7.2 | 15,580 | | 9.7 | 21,380 | 6.2 | 13,660 | 8.4 / 27.5 | | | |
| | -1.5 -5' | *21.8 | *47,320 | 15.0 | 32,360 | 16.1 | 34,500 | 9.8 | 21,110 | 11.4 | 24,590 | 7.2 | 15,560 | | 10.7 | 23,630 | 6.8 | 15,010 | 7.9 / 25.7 | | | |
| | -3.0 -10' | *19.7 | *42,530 | 15.3 | 32,820 | *14.9 | *32,050 | 9.9 | 21,410 | | | | | | *12.2 | *26,990 | 8.2 | 18,130 | 6.9 / 22.6 | | | |
| -4.5 -15' | *15.2 | *32,260 | *15.2 | *32,260 | | | | | | | | | | | *12.0 | *26,350 | 11.8 | *26,350 | 5.5 / 17.6 | | | |
| Std. HD boom 6.45 m 21' 2" + Arm 2.6 m 8' 6" | 7.5 25' | | | | | | | | | *8.5 | *16,050 | 8.3 | *16,050 | | *7.1 | *15,800 | *7.1 | *15,800 | 7.0 / 22.7 | | | |
| | 6.0 20' | | | | | | | | | *9.3 | *20,420 | 8.2 | 17,720 | | *6.9 | *15,320 | 6.6 | 14,580 | 8.0 / 26.0 | | | |
| | 4.5 15' | *14.2 | *30,390 | *14.2 | *30,390 | *11.4 | *24,740 | 11.3 | 24,270 | *10.1 | *21,960 | 8.0 | 17,220 | | *7.0 | *15,430 | 5.8 | 12,910 | 8.6 / 28.0 | | | |
| | 3.0 10' | *18.3 | *39,250 | 16.2 | 35,000 | *13.4 | *28,940 | 10.6 | 22,960 | *11.1 | *24,120 | 7.7 | 16,570 | 9.0 | 19,450 | 5.8 | 12,570 | *7.3 | *16,060 | 5.5 | 12,050 | 8.8 / 29.0 |
| | 1.5 5' | *21.3 | *45,900 | 15.2 | 32,840 | *15.1 | *32,720 | 10.1 | 21,820 | 11.7 | 25,130 | 7.4 | 15,960 | 8.9 | 19,130 | 5.7 | 12,280 | *7.8 | *17,260 | 5.3 | 11,760 | 8.9 / 29.1 |
| | 0 0' | *21.8 | *48,450 | 14.8 | 31,930 | 16.1 | 34,620 | 9.8 | 21,100 | 11.4 | 24,640 | 7.2 | 15,520 | 8.8 | 18,920 | 5.6 | 12,080 | 8.5 | 18,790 | 5.4 | 12,010 | 8.6 / 28.2 |
| | -1.5 -5' | *22.1 | *47,930 | 14.8 | 31,780 | 16.0 | 34,300 | 9.7 | 20,820 | 11.3 | 24,440 | 7.1 | 15,340 | | 9.2 | 20,320 | 5.9 | 12,920 | 8.1 / 26.5 | | | |
| | -3.0 -10' | *20.7 | *44,820 | 14.9 | 32,110 | *15.7 | *33,870 | 9.7 | 20,950 | 11.4 | 24,620 | 7.2 | 15,500 | | 10.7 | 23,630 | 6.7 | 14,940 | 7.2 / 23.5 | | | |
| -4.5 -15' | *17.7 | *38,160 | 15.3 | 32,930 | *13.3 | *28,440 | 10.0 | 21,570 | | | | | | | *11.6 | *25,520 | 8.7 | 19,570 | 5.8 / 18.8 | | | |
| Std. HD boom 6.45 m 21' 2" + Std. HD arm 3.2 m 10' 6" | 7.5 25' | | | | | | | | | *8.3 | *15,690 | *8.2 | *15,690 | | *7.0 | *15,440 | *7.0 | *15,440 | 7.7 / 25.0 | | | |
| | 6.0 20' | | | | | | | | | *9.2 | *20,210 | 8.1 | 17,520 | | *6.8 | *14,960 | 6.5 | 14,400 | 8.6 / 28.0 | | | |
| | 4.5 15' | *14.1 | *30,220 | *14.1 | *30,220 | *11.3 | *24,550 | 11.2 | 24,090 | *10.0 | *21,760 | 7.9 | 17,040 | | *6.8 | *15,070 | 5.8 | 12,730 | 9.1 / 29.8 | | | |
| | 3.0 10' | *18.3 | *39,180 | 16.2 | 34,950 | *13.3 | *28,800 | 10.6 | 22,830 | *11.0 | *23,940 | 7.6 | 16,410 | 9.0 | 19,270 | 5.8 | 12,400 | *7.1 | *15,700 | 5.4 | 11,870 | 9.4 / 30.8 |
| | 1.5 5' | *21.3 | *45,890 | 15.3 | 32,870 | *15.1 | *32,620 | 10.1 | 21,730 | 11.6 | 24,980 | 7.3 | 15,820 | 8.8 | 18,960 | 5.6 | 12,110 | *7.7 | *16,890 | 5.3 | 11,590 | 9.4 / 30.8 |
| | 0 0' | *21.6 | *48,460 | 14.9 | 31,990 | 16.1 | 34,560 | 9.8 | 21,030 | 11.4 | 24,510 | 7.1 | 15,390 | 8.7 | 18,750 | 5.5 | 11,920 | 8.4 | 18,620 | 5.4 | 11,850 | 9.2 / 30.1 |
| | -1.5 -5' | *22.1 | *47,940 | 14.8 | 31,830 | 15.9 | 34,230 | 9.6 | 20,760 | 11.3 | 24,310 | 7.1 | 15,210 | | 9.1 | 20,150 | 5.8 | 12,770 | 8.7 / 28.4 | | | |
| | -3.0 -10' | *20.7 | *44,810 | 14.9 | 32,130 | *15.6 | *33,770 | 9.7 | 20,860 | 11.4 | 24,480 | 7.1 | 15,360 | | 10.6 | 23,480 | 6.8 | 14,790 | 7.9 / 25.7 | | | |
| -4.5 -15' | *17.7 | *38,110 | 15.3 | 32,900 | *13.3 | *28,310 | 9.9 | 21,450 | | | | | | | *11.5 | *25,370 | 8.7 | 19,430 | 6.6 / 21.5 | | | |
| Std. HD boom Std. 6.45 m 21' 2" + Arm 3.9 m 12' 10" | 7.5 25' | | | | | | | | | *8.2 | *15,530 | 8.1 | *15,530 | | *6.9 | *15,280 | *6.9 | *15,280 | 8.5 / 27.6 | | | |
| | 6.0 20' | | | | | | | | | *9.1 | *19,980 | 8.1 | 17,330 | | *6.7 | *14,790 | 6.4 | 14,210 | 9.3 / 30.3 | | | |
| | 4.5 15' | *14.0 | *29,950 | *14.0 | *29,950 | *11.2 | *24,300 | 11.1 | 23,870 | *9.9 | *21,520 | 7.8 | 16,840 | | *6.8 | *14,890 | 5.7 | 12,530 | 9.8 / 32.0 | | | |
| | 3.0 10' | *18.1 | *38,870 | 16.1 | 34,670 | *13.2 | *28,530 | 10.5 | 22,590 | *10.9 | *23,690 | 7.5 | 16,200 | 8.9 | 19,070 | 5.7 | 12,200 | *7.0 | *15,520 | 5.3 | 11,670 | 10.0 / 32.9 |
| | 1.5 5' | *21.1 | *45,560 | 15.1 | 32,570 | *14.9 | *32,330 | 10.0 | 21,480 | 11.5 | 24,760 | 7.2 | 15,590 | 8.7 | 18,750 | 5.5 | 11,910 | *7.6 | *16,710 | 5.2 | 11,390 | 10.1 / 33.0 |
| | 0 0' | *21.6 | *48,130 | 14.7 | 31,680 | 16.0 | 34,290 | 9.6 | 20,770 | 11.3 | 24,280 | 7.0 | 15,160 | 8.6 | 18,540 | 5.4 | 11,710 | 8.4 | 18,410 | 5.3 | 11,640 | 9.8 / 32.3 |
| | -1.5 -5' | *22.0 | *47,610 | 14.7 | 31,520 | 15.8 | 33,970 | 9.5 | 20,500 | 11.2 | 24,070 | 6.9 | 14,980 | | 9.0 | 19,940 | 5.7 | 12,550 | 9.4 / 30.7 | | | |
| | -3.0 -10' | *20.5 | *44,480 | 14.8 | 31,830 | *15.5 | *33,480 | 9.6 | 20,610 | 11.3 | 24,250 | 7.0 | 15,140 | | 10.5 | 23,260 | 6.6 | 14,570 | 8.6 / 28.2 | | | |
| -4.5 -15' | *17.6 | *37,790 | 15.2 | 32,620 | *13.2 | *28,030 | 9.8 | 21,210 | | | | | | | *11.4 | *25,100 | 8.6 | 19,200 | 7.5 / 24.5 | | | |

- Notes:
- Machine in "Fine Mode-F" (Power Boost) for lifting capacities.
 - The above loads are in compliance with SAE J1097 and ISO 10567 Hydraulic Excavator Lifting Capacity Standards.
 - Rated loads do not exceed 87% of hydraulic lifting capacity or 75% of tipping load.
 - Rated loads marked with an asterisk (*) are limited by hydraulic capacity rather than tipping load.
 - Contains metric and U.S. measurement charts.

LIFTING CAPACITY (At the arm end without bucket)

Note: For lifting capacity including bucket, simply subtract actual weight of the pin-on bucket or the bucket with quickcoupler from the following values.

EC360B LC (Std. shoe 800 mm, 32", counterweight 7,800 kg, 17,200 lb)

|  Across under-carriage  Along under-carriage | Lifting hook related to ground level | 4.5 m, 15' | | 6.0 m, 20' | | 7.5 m, 25' | | 9.0 m, 30' | | Max. reach | | | | | | | | | | | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|-------------|---------|-------|---------|---------|---------|------------|------------|-------------|
| | |  t lb |  t lb |  t lb |  t lb |  t lb |  t lb |  t lb |  t lb |  t lb |  t lb |  t lb |  t lb | Max. m / ft | | | | | | | | |
| | | | | | | | | | | | | | | | t | lb | t | lb | t | lb | t | lb |
| ME boom 6.2 m 20' 4" + Arm 2.6 m 8' 6" | 7.5 25' | | | | | *10.4 | *23,070 | *10.4 | *23,070 | | | | | | | *10.6 | *23,460 | 10.0 | 22,500 | 6.8 / 21.8 | | |
| | 6.0 20' | | | | | *11.0 | *23,960 | *11.0 | *23,960 | *10.5 | *23,140 | 8.4 | 17,940 | | | | *10.5 | *23,180 | 7.9 | 17,670 | 7.7 / 25.2 | |
| | 4.5 15' | *15.7 | *33,610 | *15.7 | *33,610 | *12.5 | *26,980 | 11.5 | 24,820 | *11.0 | *23,960 | 8.2 | 17,640 | | | | 10.6 | *23,400 | 6.9 | 15,340 | 8.3 / 27.2 | |
| | 3.0 10' | *19.6 | *42,170 | 16.7 | 35,960 | *14.3 | *30,850 | 11.0 | 23,670 | *11.8 | 25,710 | 7.9 | 17,120 | | | | 9.9 | 21,890 | 6.4 | 14,220 | 8.6 / 28.2 | |
| | 1.5 5' | *21.0 | *47,770 | 15.9 | 34,220 | *15.8 | *34,160 | 10.5 | 22,710 | 12.1 | 25,960 | 7.7 | 16,620 | | | | 9.8 | 21,500 | 6.3 | 13,900 | 8.6 / 28.3 | |
| | 0 0' | *22.3 | *49,000 | 15.6 | 33,640 | *16.5 | *35,850 | 10.3 | 22,160 | 11.9 | 25,610 | 7.6 | 16,310 | | | | 10.1 | 22,270 | 6.5 | 14,320 | 8.4 / 27.5 | |
| | -1.5 -5' | *21.8 | *47,230 | 15.7 | 33,680 | *16.4 | *35,420 | 10.2 | 22,030 | 11.9 | 25,590 | 7.5 | 16,290 | | | | 11.1 | 24,600 | 7.1 | 15,720 | 7.9 / 25.7 | |
| | -3.0 -10' | *19.6 | *42,460 | 15.9 | 34,170 | *14.9 | *32,020 | 10.4 | 22,350 | | | | | | | | *12.2 | *27,000 | 8.5 | 18,950 | 6.9 / 22.6 | |
| -4.5 -15' | *15.2 | *32,210 | *15.2 | *32,210 | | | | | | | | | | | | *12.0 | *26,340 | *12.0 | *26,340 | 5.5 / 17.6 | | |
| Std. HD boom 6.45 m 21' 2" + Arm 2.6 m 8' 6" | 7.5 25' | | | | | | | | | | | | | | | | *8.9 | *19,640 | *8.9 | *19,640 | 7.0 / 22.7 | |
| | 6.0 20' | | | | | *10.7 | *23,270 | *10.7 | *23,270 | *10.0 | *22,030 | 8.3 | 17,830 | | | | *8.6 | *18,960 | 7.5 | 16,640 | 8.0 / 26.0 | |
| | 4.5 15' | *15.8 | *33,870 | *15.8 | *33,870 | *12.3 | *26,550 | 11.4 | 24,520 | *10.7 | *23,220 | 8.1 | 17,440 | | | | *8.7 | *19,130 | 6.6 | 14,530 | 8.6 / 28.0 | |
| | 3.0 10' | *19.9 | *42,690 | 16.4 | 35,330 | *14.1 | *30,550 | 10.8 | 23,340 | *11.6 | *25,140 | 7.8 | 16,880 | | | | *9.1 | *20,010 | 6.1 | 13,490 | 8.8 / 29.0 | |
| | 1.5 5' | *15.6 | *38,050 | *15.6 | 33,730 | *15.7 | *33,860 | 10.4 | 22,390 | 11.9 | 25,700 | 7.6 | 16,370 | | | | 9.3 | 20,480 | 6.0 | 13,180 | 8.9 / 29.1 | |
| | 0 0' | *20.1 | *47,250 | 15.5 | 33,300 | *16.4 | *35,530 | 10.1 | 21,860 | 11.8 | 25,330 | 7.4 | 16,040 | | | | 9.6 | 21,160 | 6.1 | 13,550 | 8.6 / 28.2 | |
| | -1.5 -5' | *21.6 | *46,830 | 15.5 | 33,380 | *16.3 | *35,220 | 10.1 | 21,740 | 11.7 | 25,270 | 7.4 | 15,990 | | | | 10.5 | 23,240 | 6.7 | 14,800 | 8.1 / 26.5 | |
| | -3.0 -10' | *19.6 | *42,510 | 15.7 | 33,840 | *15.0 | *32,360 | 10.2 | 22,000 | | | | | | | | *11.9 | *26,200 | 7.9 | 17,640 | 7.2 / 23.5 | |
| -4.5 -15' | *15.8 | *33,790 | *15.8 | *33,790 | | | | | | | | | | | | *11.9 | *26,120 | 11.0 | 24,920 | 5.8 / 18.8 | | |
| Std. HD boom 6.45 m 21' 2" + Std. HD arm 3.2 m 10' 6" | 7.5 25' | | | | | | | | | *8.3 | *15,690 | *8.3 | *15,690 | | | | *7.0 | *15,440 | *7.0 | *15,440 | 7.7 / 25.0 | |
| | 6.0 20' | | | | | | | | | *9.2 | *20,210 | 8.5 | 18,190 | | | | *6.8 | *14,960 | 6.7 | *14,960 | 8.6 / 28.0 | |
| | 4.5 15' | *14.1 | *30,220 | *14.1 | *30,220 | *11.3 | *24,550 | *11.3 | *24,550 | *10.0 | *21,760 | 8.2 | 17,710 | | | | *6.8 | *15,070 | 6.0 | 13,270 | 9.1 / 29.8 | |
| | 3.0 10' | *18.3 | *39,180 | 16.8 | 36,280 | *13.3 | *28,800 | 11.0 | 23,720 | *11.0 | *23,940 | 7.9 | 17,080 | 9.3 | 19,930 | 6.0 | 12,930 | *7.1 | *15,700 | 5.6 | 12,390 | 9.4 / 30.8 |
| | 1.5 5' | *21.3 | *45,890 | 15.9 | 34,200 | *15.1 | *32,620 | 10.5 | 22,620 | 12.0 | 25,840 | 7.6 | 16,490 | 9.1 | 19,620 | 5.9 | 12,650 | *7.7 | *16,890 | 5.5 | 12,110 | 9.4 / 30.8 |
| | 0 0' | *21.6 | *48,460 | 15.5 | 33,320 | *16.2 | *34,990 | 10.2 | 21,920 | 11.8 | 25,360 | 7.4 | 16,060 | 9.0 | 19,420 | 5.8 | 12,460 | *8.6 | *18,900 | 5.6 | 12,380 | 9.2 / 30.1 |
| | -1.5 -5' | *22.1 | *47,940 | 15.4 | 33,160 | *16.4 | 35,410 | 10.0 | 21,650 | 11.7 | 25,160 | 7.4 | 15,880 | | | | 9.5 | 20,870 | 6.0 | 13,340 | 8.7 / 28.4 | |
| | -3.0 -10' | *20.7 | *44,810 | 15.6 | 33,460 | *15.6 | *33,770 | 10.1 | 21,760 | 11.7 | 25,330 | 7.4 | 16,030 | | | | 11.0 | 24,300 | 7.0 | 15,440 | 7.9 / 25.7 | |
| -4.5 -15' | *17.7 | *38,110 | 15.9 | 34,230 | *13.3 | *28,310 | 10.3 | 22,340 | | | | | | | | *11.5 | *25,370 | 9.0 | 20,240 | 6.6 / 21.5 | | |
| Std. HD boom Std. 6.45 m 21' 2" + Arm 3.9 m 12' 10" | 7.5 25' | | | | | | | | | *8.0 | *17,620 | *8.0 | *17,620 | | | | *5.6 | *12,460 | *5.6 | *12,460 | 8.5 / 27.6 | |
| | 6.0 20' | | | | | | | | | *8.3 | *18,250 | *8.3 | *18,250 | *7.0 | *13,500 | 6.4 | *13,500 | *5.5 | *12,120 | *5.5 | *12,120 | 9.3 / 30.3 |
| | 4.5 15' | | | | | *10.2 | *22,060 | *10.2 | *22,060 | *9.2 | *20,010 | 8.4 | 18,110 | *8.7 | *18,690 | 6.3 | 13,510 | *5.5 | *12,180 | 5.4 | 12,040 | 9.8 / 32.0 |
| | 3.0 10' | *16.2 | *34,800 | *16.2 | *34,800 | *12.2 | *26,470 | 11.2 | 24,210 | *10.3 | *22,390 | 8.1 | 17,370 | *9.2 | *20,160 | 6.1 | 13,140 | *5.7 | *12,620 | 5.1 | 11,300 | 10.0 / 32.9 |
| | 1.5 5' | *19.8 | *42,670 | 16.1 | 34,630 | *14.2 | *30,730 | 10.6 | 22,870 | *11.4 | *24,820 | 7.7 | 16,640 | 9.2 | 19,750 | 5.9 | 12,750 | *6.1 | *13,450 | 5.0 | 11,030 | 10.1 / 33.0 |
| | 0 0' | *21.7 | *47,010 | 15.4 | 33,160 | *15.6 | *33,800 | 10.2 | 21,920 | 11.8 | 25,390 | 7.5 | 16,060 | 9.0 | 19,420 | 5.8 | 12,440 | *6.7 | *14,830 | 5.1 | 11,210 | 9.8 / 32.3 |
| | -1.5 -5' | *22.2 | *48,040 | 15.2 | 32,650 | *16.2 | *35,180 | 9.9 | 21,430 | 11.6 | 25,040 | 7.3 | 15,740 | 8.9 | 19,270 | 5.7 | 12,310 | *7.7 | *17,060 | 5.4 | 11,910 | 9.4 / 30.7 |
| | -3.0 -10' | *21.4 | *46,350 | 15.2 | 32,750 | *16.0 | *34,570 | 9.9 | 21,370 | 11.6 | 25,020 | 7.3 | 15,730 | | | | *9.5 | 21,050 | 6.1 | 13,420 | 8.6 / 28.2 | |
| -4.5 -15' | *19.3 | *41,570 | 15.5 | 33,350 | *14.5 | *31,240 | 10.1 | 21,750 | | | | | | | | *10.8 | *23,880 | 7.4 | 16,590 | 7.5 / 24.5 | | |

- Notes:
- Machine in "Fine Mode-F" (Power Boost) for lifting capacities.
 - The above loads are in compliance with SAE J1097 and ISO 10567 Hydraulic Excavator Lifting Capacity Standards.
 - Rated loads do not exceed 87% of hydraulic lifting capacity or 75% of tipping load.
 - Rated loads marked with an asterisk (*) are limited by hydraulic capacity rather than tipping load.
 - Contains metric and U.S. measurement charts.

STANDARD EQUIPMENT

Engine

Turbocharged, 4-stroke diesel engine with water cooling, direct injection and charged air cooler that meets EPA (Environment Protection Agency) Tier 3 emission standards
3-stage air filter with indicator and precleaner
Air intake heater
Electric engine shut-off
Remote diesel water separator
Coolant filter
Remote engine oil filter
Alternator, 80 A

Electric/Electronic control system

Contronics
– Advanced mode control system
– Self-diagnostic system
Machine status indication
Engine speed sensing power control
Automatic idling system
One-touch power boost
Safety stop/start function
Travel alarm
Adjustable monitor

Master switch
Engine restart prevention circuit
High-capacity halogen lights:
– Frame-mounted 2
– Boom-mounted 4
Batteries, 2 x 12 V / 200 Ah
Start motor, 24 V / 6.6 kW

Hydraulic system

Automatic hydraulic system
– Summation system
– Boom priority
– Arm priority
– Swing priority
Boom and arm regeneration valves
Swing anti-rebound valves
Boom and arm holding valves
Multi-stage filtering system
Cylinder cushioning
Cylinder contamination seals
Auxiliary hydraulic valve
Straight travel circuit
Automatic two-speed travel motors
Hydraulic oil, ISO VG 46

Superstructure

Access way with handrail
Full height counterweight
7,800 kg, **17,200 lb**

Tool storage area
Punched metal anti-slip plates
Undercover (heavy-duty 4,5 mm, **0.18"**)

Cab and interior

Fabric seat with heater and air suspension
Pilot-operated wrist control joysticks with 3 switches each
Heater & air-conditioner, automatic
Hydraulic dampening cab mounts
Adjustable operator seat and joystick control console
Flexible antenna
Hydraulic safety lock lever
Cab, all-weather sound suppressed, includes:
– Ashtray
– Cup holder
– Lighter
– Door locks
– Tinted glass
– Floor mat
– Horn
– Large storage area
– Pull-up type front window
– Removable lower windshield

– Seat belt
– Safety glass
– Sun shield, front, roof, rear
– Windshield wiper with intermittent feature
– Stereo cassette radio
Anti-vandalism kit assembly preparation
Master ignition key

Undercarriage

Hydraulic track adjusters
Greased and sealed track chain
Track guards
Undercover (4,5 mm, **0.18"**)
Front and rear towing eye

Track shoes

Track shoes 800 mm, **32"** with triple grousers

Digging equipment

Boom: HD 6.45 m, **21' 2"**
Arm: HD 3.2 m, **10' 6"**

OPTIONAL EQUIPMENT *(Standard in certain markets)*

Engine

Block heater: 120 V
Oil-bath precleaner
10kW diesel driven engine coolant heater
Fuel filler pump: 50 l/min, **13.2 gpm** with automatic shut-off
Water separator with heater

Electric

Extra lamps:
– Cab-mounted 3 (front 2, rear 1)
– Counterweight-mounted 1
Overload warning device
Rotating warning beacon
Anti-theft system

Hydraulic system

Hose rupture valve: boom, arm
Hydraulic piping
– Hammer & shear:
1 pump flow
2 pump flow
Additional return filter
Extra piping for slope & rotator
– Slope & rotator
– Grapple
– Oil leak (drain) line
Volvo hydraulic quickcoupler, S3 size
Hydraulic oil, ISO VG 32
Hydraulic oil, ISO VG 68
Hydraulic oil, biodegradable 32
Hydraulic oil, biodegradable 46
Straight travel pedal

Cab and interior

Fabric seat
Control joystick with semi-long levers
Control joystick with 5 switches each
Pilot control pattern change
Air-conditioner, manual
Falling object guard (FOG)
Cab-mounted falling object protective structures (FOPS)
Sunlight protection, roof (steel)
Rain shield, front
Safety screen for front window
Lower wiper
Anti-vandalism kit
Walk way

Superstructure

Full height counterweight
6,700 kg, **14,770 lb**
7,250 kg, **15,990 lb**
Hydraulic removable counterweight

Undercarriage

Full track guards
Undercover (heavy-duty 10 mm, **0.39"**)

Track shoes

600/700/900 mm,
24"/28"/36" track shoes with triple grousers
600 mm, **24"** track shoe with double grouser

Digging equipment

Boom: ME 6.2 m, **20' 4"**
Arm: 2.6 m, **8' 6"**
3.9 m, **12' 10"**

Service

Hand lamp
Spare parts
Tool kit, full scale

All products are not available in all markets. Under our policy of continuous improvement, we reserve the right to change specifications and designs without prior notice. The illustrations do not necessarily show the standard version of the machine.

VOLVO

Construction Equipment

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