

VOLVO EXCAVATOR

EC360B LC



- **Engine power, gross:**
198 kW 265 hp
- **Operating weight:**
36.5 ~ 38.9 t
80,480 ~ 85,800 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 2 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 engine is a turbocharged, 4-stroke diesel engine with water cooling, direct injection and charged air cooler that easily meets EPA Tier 2 emission standards. The engine has been developed especially for excavator use, providing good fuel economy, low noise levels and a long service life.

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	D12C ECE2	
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	1,353 N·m at 1,275 rpm	998 lb-ft at 1,275 rpm
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	41 l	10.8 gal
Engine coolant	65.4 l	17.3 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 provides 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

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 .. ø160 x 1,530 mm
 ø 6.3" x 60.2"

Arm 1

Bore x Stroke .. ø175 x 1,700 mm
 ø 6.9" x 66.9"

Bucket 1

Bore x Stroke .. ø145 x 1,285 mm
 ø 5.7" x 50.6"

ME bucket 1

Bore x Stroke .. ø160 x 1,250 mm
 ø 6.3" x 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 106 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"	36,500 kg 80,480 lb	65.7 kPa 9.5 psi	3,340 mm 10' 11"
	700 mm 28"	36,940 kg 81,450 lb	56.9 kPa 8.3 psi	3,440 mm 11' 3"
	800 mm 32"	37,370 kg 82,400 lb	51.0 kPa 7.4 psi	3,540 mm 11' 7"
	900 mm 36"	37,810 kg 83,370 lb	46.1 kPa 6.7 psi	3,640 mm 11' 11"
Double grouser	600 mm 24"	36,610 kg 80,730 lb	65.7 kPa 9.5 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"	37,050 kg 81,700 lb	66.7 kPa 9.7 psi	3,340 mm 10' 11"
	700 mm 28"	37,490 kg 82,670 lb	57.9 kPa 8.4 psi	3,440 mm 11' 3"
	800 mm 32"	37,920 kg 83,610 lb	51.0 kPa 7.4 psi	3,540 mm 11' 7"
	900 mm 36"	38,360 kg 84,580 lb	46.1 kPa 6.7 psi	3,640 mm 11' 11"
Double grouser	600 mm 24"	37,160 kg 81,940 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 7,800 kg, 17,200 lb counterweight.

Description	Shoe width	Operating weight	Ground pressure	Overall width
Triple grouser	600 mm 24"	37,600 kg 82,910 lb	67.3 kPa 9.8 psi	3,340 mm 10' 11"
	700 mm 28"	38,040 kg 83,880 lb	58.4 kPa 8.5 psi	3,440 mm 11' 3"
	800 mm 32"	38,470 kg 84,830 lb	51.6 kPa 7.5 psi	3,540 mm 11' 7"
	900 mm 36"	38,910 kg 85,800 lb	46.4 kPa 6.7 psi	3,640 mm 11' 11"
Double grouser	600 mm 24"	37,710 kg 83,150 lb	67.5 kPa 9.8 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
RB 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
RB 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
RB 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
RB 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

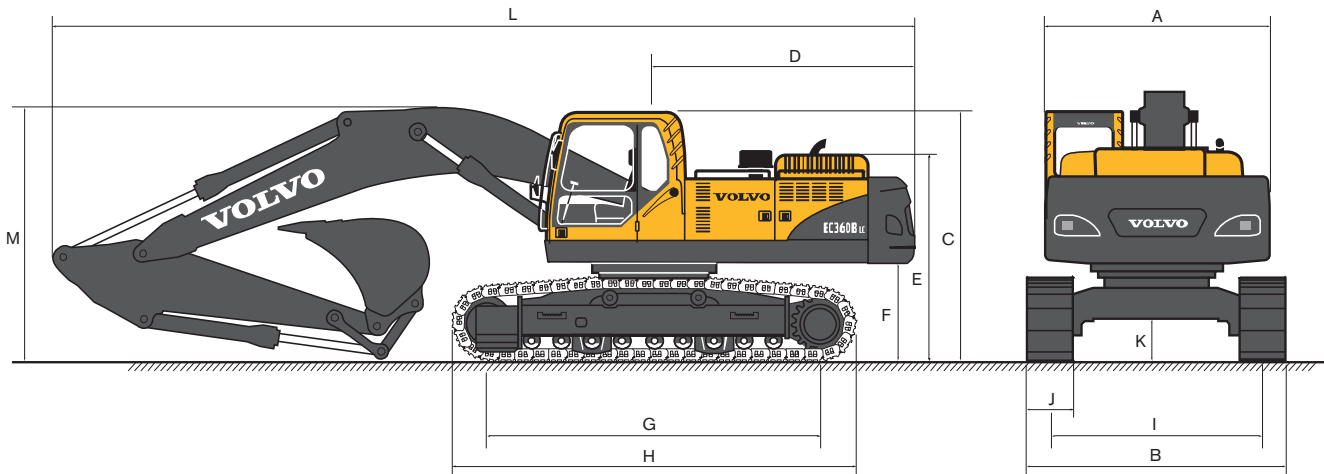
- Max. permitted sizes for pin-on buckets:
Counterweight 7,250 kg, 15,990 lb/7,800 kg, 17,200 lb

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
RB 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
RB 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
RB 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
RB 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

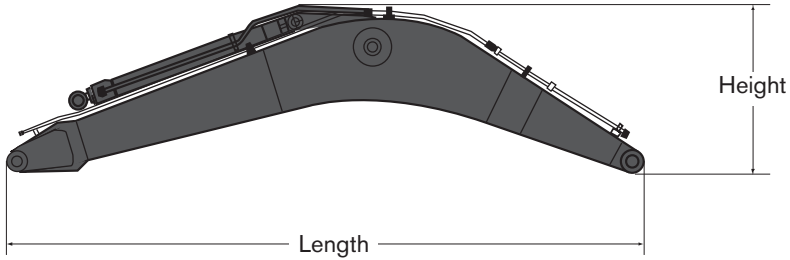


Boom	Unit	ME 6.2 m, 20' 4"	Std. HD 6.45 m, 21' 2"		
Arm		2.6 m, 8' 6"	2.6 m, 8' 6"	Std. HD 3.2 m, 10' 6"	3.9 m, 12' 10"
A. Overall width of superstructure	mm, ft-in	2,990, 9' 10"	2,990, 9' 10"	2,990, 9' 10"	2,990, 9' 10"
B. Overall width	mm, ft-in	3,540, 11' 7"	3,540, 11' 7"	3,540, 11' 7"	3,540, 11' 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

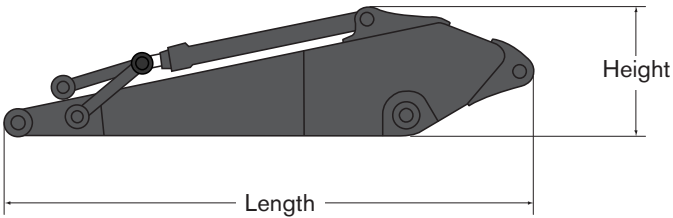
• Boom



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	3,230 kg, 7,120 lb	3,210 kg, 7,080 lb

* Includes cylinder, pin and piping

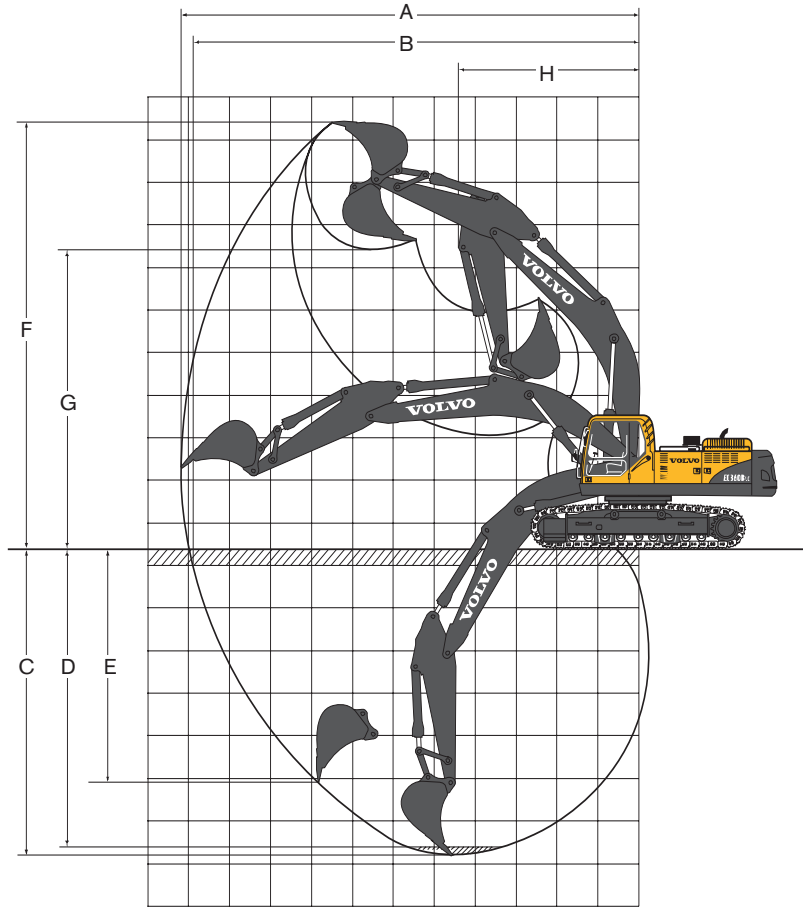
• Arm



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	1,975 kg, 4,350 lb	2,025 kg, 4,470 lb	2,165 kg, 4,770 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
Teaout 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 quick coupler from the following values.

EC360B LC (Std. shoe 800 mm, 32", counterweight 6,700 kg, 14,770 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.								
		t	lb	t	lb	t	lb	t	lb	t	lb	t	lb	t	lb	m / ft						
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	12,370	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:
- 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 quick coupler 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						
		t lb	lb	t lb	lb	t lb	lb	t lb	lb	t lb	lb	t lb	lb	Max. m / ft		
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: 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 quick coupler 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		Max. m / ft										
		 t lb		 t lb		 t lb		 t lb		 t lb			 t lb									
		t	lb	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	*23,070	*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	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: 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.

STANDARD EQUIPMENT

Engine

Turbocharged, 4-stroke diesel engine with water cooling, direct injection and charged air cooler that meets EPA (Environment Protection Agency) Tier 2 emission standards
 3-stage air filter with indicator and precleaner
 Air intake heater
 Electric engine shut-off
 Fuel filter and water separator
 Coolant filter
 Alternator, 55 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
 – Rain shield, front
 – 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"**)

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
 Diesel coolant heater
 Tropical cooling kit
 Fuel filler pump: 50 l/min, **13.2 gpm** with automatic shut-off

Electric

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

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 quick-coupler, S3 size
 Hydraulic oil, ISO VG 32
 Hydraulic oil, ISO VG 68
 Hydraulic oil, biodegradable 32
 Hydraulic oil, biodegradable 46

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)
 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

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