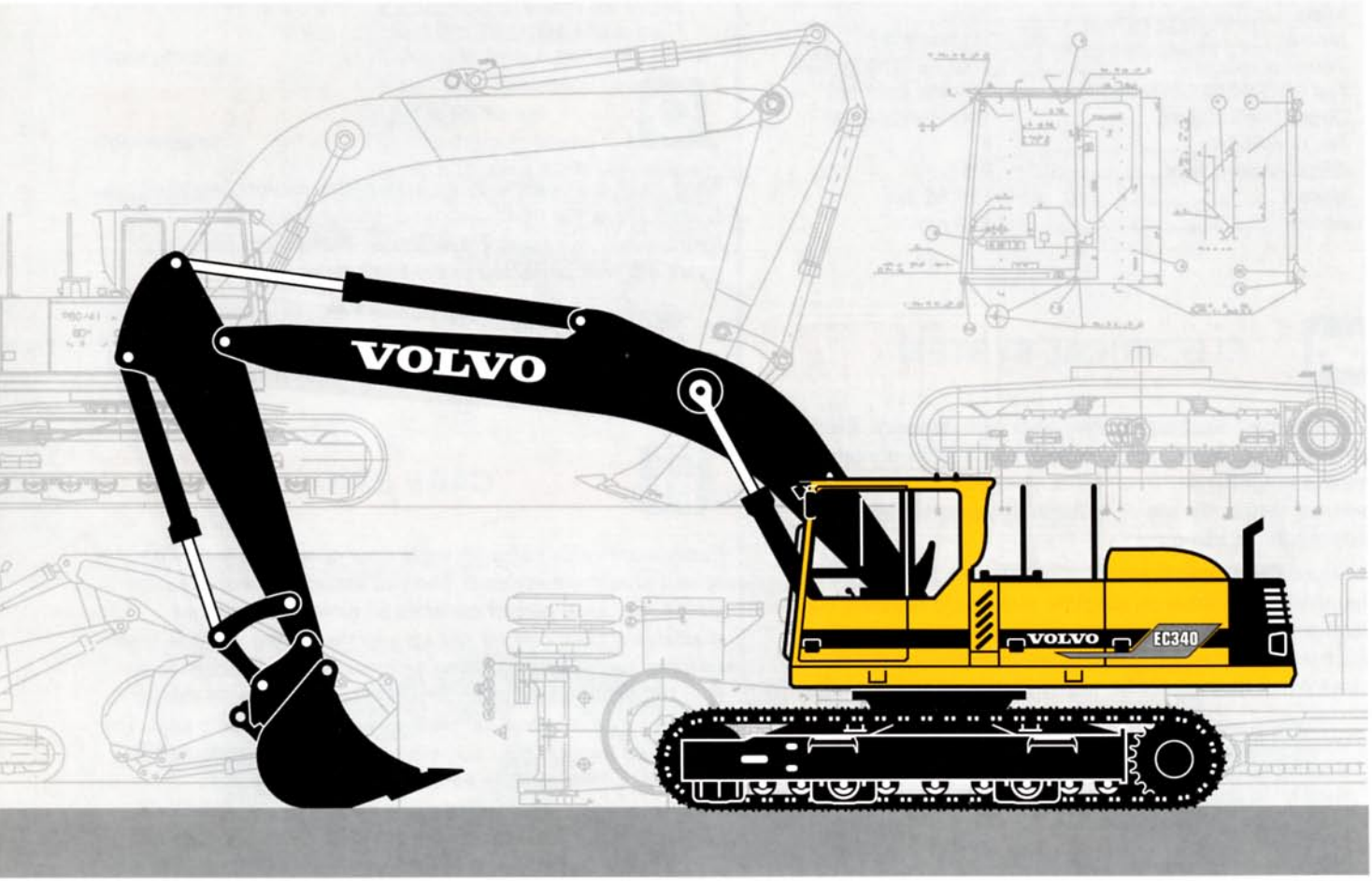
VOLVO EXCAVATOR

EC340



- **Engine power, gross: 190 kW (258 hp)**
- **Operating weight: 33,5 – 36,7 t**
- **Buckets: 1 200 – 2 500 l**

- Low-emission, turbocharged Volvo diesel engine with direct injection
- Mode selector and electronically controlled Speed Sensing Control (SSC)

- 3 pumps in 3 circuits. Each movement of the digging equipment is prioritized by its own circuit, ensuring independent movements and good precision.
- Care Cab
  - computerized monitoring system, Contronic E
  - ergonomic environment
  - low sound level
  - filtered air
- Rugged digging equipment with spherical steel bearings

- High lifting, breakout and tearout forces for tough digging conditions
- Long undercarriage for good stability
- Slew circuit in oil bath
- Prepared for a number of optional items of equipment
- Low transport dimensions
- High travel speed – 5,0 km/h

VOLVO

ENGINE

The engine is a low-emission, turbocharged, 4-stroke diesel engine with intercooler, specially developed for excavator use. The machine can work at low engine speeds, contributing to good fuel economy, low sound level, less wear and longer life. Daily checkup of oil and coolant levels etc. is done directly from the cab.

Air filter: 3-stage

Auto Decelerator: Reduces the engine speed to an idling speed when levers and pedals are not activated.

Make	Volvo
Model	TD 103 KAE
Power output at	28,3 r/s (1700 r/min)
Net (ISO 9249 / DIN 6271)	182 kW (247 hp)
Gross (SAE J1349)	190 kW (258 hp)
No. of cylinders	6
Displacement, total	9,6 l
Bore	120,65 mm
Stroke	140 mm

ELECTRICAL SYSTEM

Well-protected electrical system with high capacity. Electrical distribution box based on printed circuit boards contains clearly arranged fuses and relays. The distribution box is prepared for connection of optional equipment. Battery disconnector is standard.

Advanced **Contronic E monitoring system,** offering exhaustive information on machine status and enabling the operator to seek specific information and make his own adjustments, is standard. Alarms are indicated on the display in the form of flashing lights, with supplementary information in plain text.

Voltage	24 V
Batteries	2 x 12 V
Battery capacity	170 Ah
Alternator	28 V / 55 A
Alternator rating	1540 W

SLEW SYSTEM

The superstructure is slewed by means of an axial piston motor and a planetary gearbox. Slew priority with 3 power positions. Automatic slew holding brake. The slew ring works in an oil bath.

Slew, start to stop*	
90° slew	4,9 s
180° slew	7,1 s
Slew speed	8,6 r/min

** Empty bucket – extended equipment.*

SERVICE REFILL CAPACITIES

Fuel tank	720 l
Hydraulic system, total	470 l
Diesel engine oil	37,5 l
Cooling system incl. glycol	58 l
Slew ring	24 l

UNDERCARRIAGE

Undercarriage with robust frame construction. Permanently lubricated rollers and front idlers. Three derailing shields are standard.
The undercarriage is operated by means of rocker pedals.
Undercarriage alternatives: narrow/long or wide/long.

Track chain size	B6HD
No. of track shoes	2 x 53
Track gauge	700 mm
alt.	600/800/900 mm
No. of bottom rollers	2 x 9
No. of top rollers	2 x 2
alt. skid rails	2 x 1

DRIVE

Each track is powered by an axial piston motor. The track brakes are of the multi-disc type, spring-applied and hydraulically released. Travel motor, brakes and planetary gears are well protected in the track frame.

Max. tractive force	332 kN
Max. travel speed	5,0 km/h
Gradeability	49° (115%)

CARE CAB

Easily accessible cab with wide door opening. Lined with sound-absorbent material. The cab mountings are vibration-inhibiting. Large glazed surfaces all around. The upper windshield pane can be slid up into the ceiling and the lower one can be removed. Sliding side window in the cab door.
Cab heater and defroster: Pressurized and filtered cab air is supplied by a 3-speed fan underneath the operator's seat. The air passes through the cab heater and can be distributed via 14 nozzles. Prepared for air conditioning.
Ergonomic operator's seat: Electrically heated operator's seat with adjustable suspension and headrest. The fore/aft position, height and angle of the seat are adjustable, as is the lumbar support. Individually adjustable armrests and control levers.
Sound level: Approved according to Directive 86/662/EEC.

Exterior noise (ISO 6393)	
mean value of L_{wA} (sound power level)	108 dB(A)
Operator's position (ISO 6394)	
with the door closed	
mean value of L_{pA} (sound pressure level)	74 dB(A)

GROUND PRESSURE

Machine with 6,0 m boom, 2,9 m dipper arm, quickfit 300 kg, 1450 kg bucket, 6 300 kg counterweight and wide undercarriage.

Track gauge	Operating weight	Ground pressure
600 mm	35 250 kg	63,6 kPa
700 mm	35 650 kg	55,2 kPa
800 mm	36 100 kg	48,9 kPa
900 mm	36 500 kg	43,9 kPa

HYDRAULIC SYSTEM

The three-circuit hydraulic system, named "Excellence", is designed for high digging capacity, high manoeuvring precision and good fuel economy.
The three working pumps are power-controlled, and each can be directed to its own particular equipment movement for precision work. One pump is prioritized to the swing movement.

The following important functions are included in the system:

Power Booster (HLD) – All digging, lifting and tractive forces are increased

Slew priority – Power distribution between boom lift and slew movement to obtain best performance

Decelerator – Permits digging speed to be varied during a digging cycle (saves fuel)

Float position – For more efficient topsoil stripping and grab work and better operator comfort and fuel economy

Automatic Decelerator and Speed Sensing Control are also included for optimum utilization of the engine. Hose rupture valves on the boom cylinders are standard.

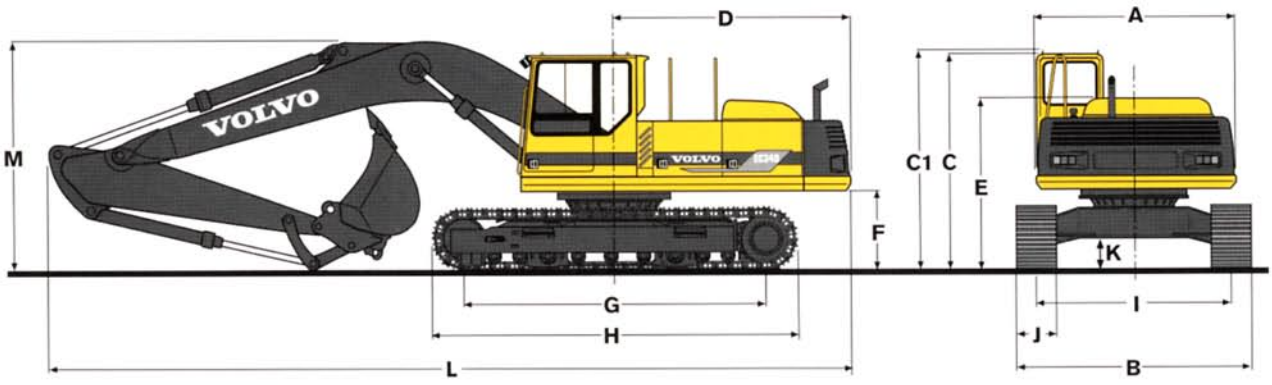
Pump P1 (slew, bucket, optional equipment)
- Max. pressure ..... 31 MPa
- Max. flow ..... 203 l/min

Pumps P2 and P3 (boom, dipper arm, bucket, travel motors, optional equipment)
- Max. pressure ..... 31 MPa
- Max. pressure with HLD ..... 35 MPa
- Max. flow ..... 2 x 253 l/min

Servo pump
- Pressure ..... 6,5 MPa
- Flow ..... 21 l/min

Fan pump
- Pressure ..... 21 MPa
- Flow ..... 29 l/min

DIMENSIONS

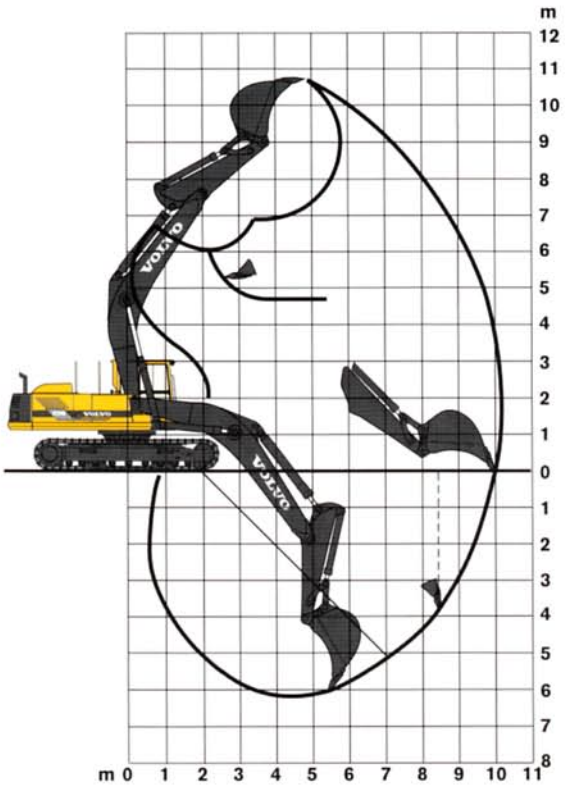


A:	mm	2950	L:	mm	10600 (6,0 m boom, 2,2 m dipper arm – ME digging equipment)
B: 1*)	mm	3000/3100/3200/3300	L:	mm	10500 (6,0 m boom, 2,4 m, 2,9 m and 3,5 m dipper arm)
B: 2*)	mm	3300/3400/3500/3600	L:	mm	11300 (6,7 m boom, 2,4 m dipper arm)
C:	mm	3080	L:	mm	11200 (6,7 m boom, 2,9 m and 3,5 m dipper arm)
C1:	mm	3130			
D:	mm	3300	M:	mm	3330 (6,0 m boom, 2,2 m dipper arm – ME digging equipment)
E:	mm	2430	M: 3*)	mm	3250 (6,0 m boom, 2,4 m dipper arm)
F:	mm	1150	M: 3*)	mm	3480 (6,0 m boom, 2,9 m dipper arm)
G:	mm	4200	M: 3*)	mm	3540 (6,0 m boom, 3,5 m dipper arm)
H:	mm	5130			
I: 1*)	mm	2400	M: 3*)	mm	3230 (6,7 m boom, 2,4 m dipper arm)
I: 2*)	mm	2700	M: 3*)	mm	3370 (6,7 m boom, 2,9 m dipper arm)
J:	mm	600/700/800/900	M: 3*)	mm	3410 (6,7 m boom, 3,5 m dipper arm)
K:	mm	480			

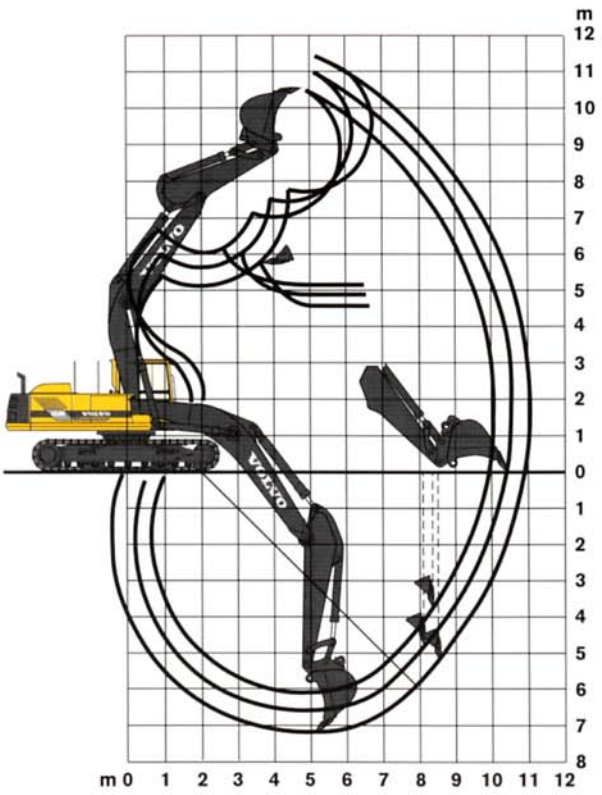
1*) Narrow undercarriage
2*) Wide undercarriage
3*) Height without bucket 3200 mm

DIGGING RANGES

Monobloc boom 6,0 m and dipper arm 2,2 m – ME digging equipment



Monobloc boom 6,0 m and dipper arm 2,4 / 2,9 / 3,5 m



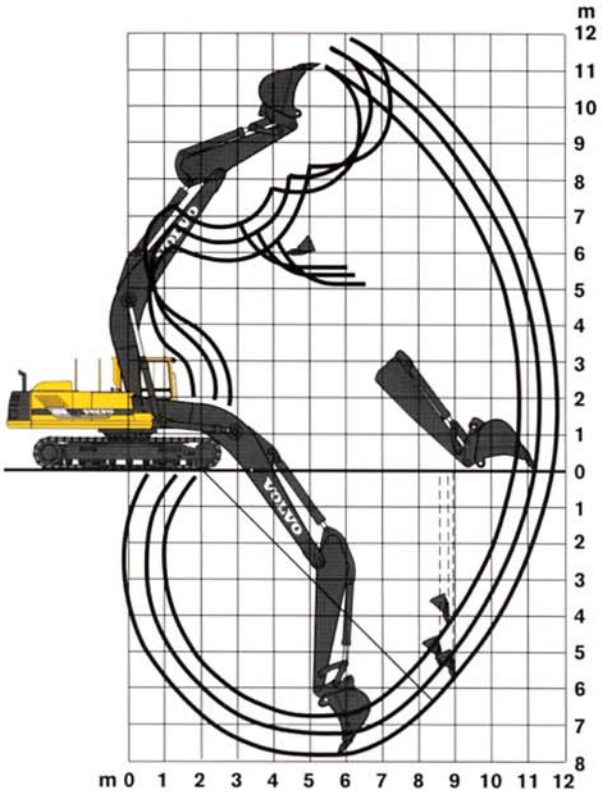
Monobloc boom	**m**	**6,0**	**6,0**	**6,0**	**6,0**
Dipper arm	**m**	**2,2**	**2,4**	**2,9**	**3,5**
Max. reach	m	10,2	10,0	10,6	11,1
Max. reach at ground level	m	10,0	9,9	10,4	10,9
Max. digging depth	m	5,8	6,1	6,6	7,2
Max. height ground – tooth tip	m	10,7	10,5	11,1	11,3
Max. dumping height	m	6,9	7,0	7,5	7,7
Max. practical dumping height	m	4,7	5,0	4,8	4,5
Practical digging depth for a material with a 45° angle of repose	m	5,2	5,1	5,5	5,8
Max. vertical digging depth	m	3,8	3,7	4,8	5,1
Min. front slew radius	m	3,1	3,2	3,1	3,1

Digging forces with pin-on GP bucket:		**2500 l**	**1300 l**		
Bucket radius	m	1,77	1,42	1,42	1,42
Breakout force	kN	233	259	259	259
Tearout force	kN	188	191	168	147
Rotation angle, bucket	°	155	175	175	175

Recommended pin-on **buckets**:		**Narrow** undercarriage			
GP bucket (1,8 t/m³)	l	–	2100	1900	1700
RB bucket (2,0 t/m³)	l	–	1800	1600	1400
Recommended pin-on **buckets**:		**Wide** undercarriage			
GP bucket (1,8 t/m³)	l	2500	2300	2100	1900
RB bucket (2,0 t/m³)	l	2000	2000	1800	1600

DIGGING RANGES

Monobloc boom 6,7 m
and dipper arm 2,4 / 2,9 / 3,5 m



Monobloc boom	**m**	**6,7**	**6,7**	**6,7**
Dipper arm	**m**	**2,4**	**2,9**	**3,5**
Max. reach	m	10,8	11,3	11,8
Max. reach at ground level	m	10,6	11,2	11,7
Max. digging depth	m	6,8	7,3	7,9
Max. height ground – tooth tip	m	11,1	11,7	11,9
Max. dumping height	m	7,6	8,0	8,3
Max. practical dumping height	m	5,6	5,3	5,1
Practical digging depth for a material with a 45° angle of repose	m	5,6	6,0	6,3
Max. vertical digging depth	m	4,3	5,4	5,7
Min. front slew radius	m	3,7	3,5	3,5

Digging forces with pin-on GP bucket:		**1300 l**		
Bucket radius	m	1,42	1,42	1,42
Breakout force	kN	259	259	259
Tearout force	kN	191	168	147
Rotation angle, bucket	°	175	175	175

Recommended pin-on **buckets**:		**Narrow** undercarriage		
GP bucket (1,8 t/m³)	l	1700	1500	1300
RB bucket (2,0 t/m³)	l	1600	1400	1250
Recommended pin-on **buckets**:		**Wide** undercarriage		
GP bucket (1,8 t/m³)	l	1900	1700	1500
RB bucket (2,0 t/m³)	l	1800	1600	1400

LIFTING CAPACITY (Max. load at dipper pin. Unit: 1 000 kg.)

Across undercarriage / Along undercarriage

Lifting hook related to ground level

Reach from machine centre

1) = Narrow undercarriage
2) = Wide undercarriage

	Lifting hook related to ground level	4,5 m 1)	4,5 m 2)	4,5 m	6,0 m 1)	6,0 m 2)	6,0 m	7,5 m 1)	7,5 m 2)	7,5 m	9,0 m 1)	9,0 m 2)	9,0 m	Max. reach 1)	Max. reach 2)	Max. reach	Max. m
ME digging equipment 6,0 m monobloc boom 2,2 m dipper arm Track gauge 700 mm	7,5 m		11,4*	11,4*											8,5*	8,5*	5,7
	6,0 m		11,8*	11,8*		10,1	10,3*								7,8*	7,8*	6,9
	4,5 m		13,4*	13,4*		9,5	10,8*		6,9	8,9*					6,7	7,8*	7,6
	3,0 m		13,2	15,6*		8,9	11,6*		6,6	9,6*					6,0	7,7*	8,0
	1,5 m		12,6	16,5*		8,5	12,1*		6,4	9,7*					5,8	7,8*	8,1
	0,0 m		12,4	15,8*		8,3	12,0*		6,2	9,4*					5,9	8,4*	7,9
	-1,5 m		12,4	14,1*		8,2	11,0*								6,5	8,6*	7,3
	-3,0 m		11,2*	11,2*		8,4	8,6*								7,7*	7,7*	6,4
6,0 m monobloc boom 2,4 m dipper arm Track gauge 700 mm	7,5 m	10,8*	10,8*	10,8*										7,1*	7,1*	7,1*	5,8
	6,0 m	11,4*	11,4*	11,4*	8,9	10,0*	10,0*							6,5*	6,5*	6,5*	7,0
	4,5 m	12,7	13,0*	13,0*	8,4	9,5	10,5*	6,1	6,8	8,3*				5,8	6,6	6,6*	7,7
	3,0 m	11,6	13,3	15,2*	7,9	8,9	11,4*	5,8	6,6	9,5*				5,2	5,9	6,5*	8,1
	1,5 m	10,9	12,6	16,4*	7,4	8,5	12,0*	5,6	6,3	9,6*				5,0	5,7	8,0*	8,1
	0,0 m	10,6	12,4	16,0*	7,2	8,2	12,0*	5,4	6,2	9,4*				5,1	5,8	8,8*	7,9
	-1,5 m	10,6	12,3	14,4*	7,1	8,2	11,1*							5,5	6,3	8,6*	7,4
	-3,0 m	10,8	11,6*	11,6*	7,3	8,3	9,0*							6,6	7,5	8,0*	6,5
6,0 m monobloc boom 2,9 m dipper arm Track gauge 700 mm	7,5 m				7,5*	7,5*	7,5*							5,2*	5,2*	5,2*	6,6
	6,0 m	9,7*	9,7*	9,7*	9,0	9,2*	9,2*	5,8*	5,8*	5,8*				5,2*	5,2*	5,2*	7,6
	4,5 m	12,2*	12,2*	12,2*	8,5	9,6	10,0*	6,0	6,8	8,7*				4,8*	4,8*	4,8*	8,3
	3,0 m	12,0	13,8	14,6*	8,0	9,1	11,0*	5,8	6,6	9,1*				4,7	5,3	5,4*	8,6
	1,5 m	11,1	12,9	16,2*	7,5	9,0	11,8*	5,5	6,3	9,5*				4,5	5,1	5,4*	8,7
	0,0 m	10,7	12,5	16,4*	7,2	8,3	12,1*	5,3	6,1	9,5*				4,5	5,2	6,1*	8,5
	-1,5 m	10,6	12,4	15,2*	7,1	8,2	11,5*	5,3	6,0	8,8*				4,9	5,6	7,5*	8,0
	-3,0 m	10,7	12,5	12,8*	7,2	8,2	9,8*							5,7	6,5	7,5*	7,2
	-4,5 m	8,9*	8,9*	8,9*										6,3*	6,3*	6,3*	5,9
6,0 m monobloc boom 3,5 m dipper arm Track gauge 700 mm	7,5 m				6,6*	6,6*	6,6*							4,1*	4,1*	4,1*	7,2
	6,0 m				7,6*	7,6*	7,6*	6,1*	6,1*	6,1*				3,7*	3,7*	3,7*	8,2
	4,5 m	10,1*	10,1*	10,1*	8,6	9,2*	9,2*	6,0	6,8	7,7*				3,8*	3,8*	3,8*	8,8
	3,0 m	12,3	13,4*	13,4*	8,1	9,2	10,3*	5,8	6,5	8,6*	4,3	4,7*	4,7*	4,1*	4,1*	4,1*	9,1
	1,5 m	11,3	13,0	15,5*	7,5	8,6	11,3*	5,5	6,2	9,1*	4,1	4,7	5,5*	4,0	4,1*	4,1*	9,2
	0,0 m	10,7	12,4	16,3*	7,1	8,2	11,9*	5,2	6,0	9,3*	4,0	4,6	4,7*	4,0	4,6	4,7*	9,0
	-1,5 m	10,4	12,2	15,6*	6,9	8,0	11,6*	5,1	5,9	9,0*				4,3	5,0	6,1*	8,5
	-3,0 m	10,5	12,2	13,8*	6,9	8,0	10,5*	5,1	5,9	7,8*				4,9	5,6	6,9*	7,8
	-4,5 m	10,6*	10,6*	10,6*	7,1	7,8*	7,8*							6,3	6,6*	6,6*	6,6

* Load capacity limited by machine's hydraulic lifting capacity.

The above values have been calculated in compliance with ISO standard 10567. They do not exceed 87 % of hydraulic lifting capacity or 75 % of tipping load, with the machine on firm, level ground.

Working pressure with HLD = 35 MPa (350 bar/5080 psi)

LIFTING CAPACITY (Max. load at dipper pin. Unit: 1 000 kg.)

Across undercarriage / Along undercarriage

Lifting hook related to ground level

Reach from machine centre

1) = Narrow undercarriage
2) = Wide undercarriage

	Lifting hook related to ground level	4,5 m 1)	4,5 m 2)	4,5 m	6,0 m 1)	6,0 m 2)	6,0 m	7,5 m 1)	7,5 m 2)	7,5 m	9,0 m 1)	9,0 m 2)	9,0 m	Max. reach 1)	Max. reach 2)	Max. reach	Max. m
6,7 m monobloc boom 2,4 m dipper arm Track gauge 700 mm	7,5 m				8,9*	8,9*	8,9*							7,0*	7,0*	7,0*	6,8
	6,0 m	10,9*	10,9*	10,9*	8,7	9,2*	9,2*	6,1	6,9	8,3*				5,8	6,5	6,9*	7,8
	4,5 m	12,0	13,1*	13,1*	8,1	9,2	10,0*	5,9	6,6	8,5*				4,8	5,5	6,3*	8,5
	3,0 m				7,4	8,5	11,0*	5,5	6,3	8,9*				4,4	5,0	7,0*	8,8
	1,5 m				7,0	8,0	11,6*	5,2	6,0	9,2*				4,2	4,8	7,0*	8,9
	0,0 m	10,2	12,0	13,6*	6,7	7,8	11,6*	5,1	5,8	9,2*				4,2	4,8	7,8*	8,7
	-1,5 m	10,2	11,9	13,7*	6,7	7,7	10,9*	5,0	5,8	8,6*				4,5	5,2	7,7*	8,2
	-3,0 m	10,3	11,6*	11,6*	6,8	7,8	9,4*							5,2	6,0	7,3*	7,4
	-4,5 m	8,4*	8,4*	8,4*	6,6*	6,6*	6,6*							6,2*	6,2*	6,2*	6,2
6,7 m monobloc boom 2,9 m dipper arm Track gauge 700 mm	9,0 m				6,3*	6,3*	6,3*							5,8*	5,8*	5,8*	6,1
	7,5 m				8,2*	8,2*	8,2*	5,4*	5,4*	5,4*				5,4*	5,4*	5,4*	7,5
	6,0 m	10,1*	10,1*	10,1*	8,6*	8,6*	8,6*	6,1	6,9	7,8*				5,0	5,4*	5,4*	8,4
	4,5 m	12,2*	12,2*	12,2*	8,2	9,3	9,5*	5,9	6,7	8,1*	4,3	4,9	5,4*	4,3	4,9	5,4*	9,0
	3,0 m	11,2	13,0	14,7*	7,6	8,7	10,6*	5,5	6,3	8,6*	4,2	4,8	6,7	4,0	4,5	5,7*	9,3
	1,5 m	10,4	12,2	12,5*	7,1	8,2	11,4*	5,2	6,0	8,5	4,0	4,6	6,5	3,8	4,3	5,8*	9,4
	0,0 m	10,2	11,9	14,5*	6,8	7,8	11,6	5,0	5,8	8,3	3,9	4,5	6,4	3,8	4,4	6,2*	9,2
	-1,5 m	10,1	11,8	14,5*	6,7	7,7	11,2*	4,9	5,7	8,2				4,0	4,6	6,6*	8,8
	-3,0 m	10,2	11,9	12,7*	6,7	7,8	10,0*	5,0	5,7	7,8*				4,5	5,2	6,8*	8,1
	-4,5 m	9,8*	9,8*	9,8*	6,9	7,7*	7,7*							5,8	6,2*	6,2*	6,9
6,7 m monobloc boom 3,5 m dipper arm Track gauge 700 mm	9,0 m				6,3*	6,3*	6,3*							4,4*	4,4*	4,4*	6,8
	7,5 m				7,2*	7,2*	7,2*	5,9*	5,9*	5,9*				4,1*	4,1*	4,1*	8,1
	6,0 m				7,8*	7,8*	7,8*	6,2	7,0	7,1*	3,8*	3,8*	3,8*	3,8*	3,8*	3,8*	9,0
	4,5 m	11,0*	11,0*	11,0*	8,4	8,8*	8,8*	5,9	6,7	7,6*	4,3	4,9	6,2*	3,9	4,2*	4,2*	9,5
	3,0 m	11,5	13,3	13,5*	7,7	8,8	10,0*	5,5	6,3	8,2*	4,1	4,7	7,1*	3,6	4,1	4,4*	9,8
	1,5 m	10,5	12,2	15,4*	7,1	8,2	11,0*	5,2	6,0	8,7*	3,9	4,5	7,3*	3,4	3,9	4,4*	9,9
	0,0 m	10,0	11,7	15,7*	6,7	7,8	11,4*	4,9	5,7	9,0*	3,8	4,4	7,2	3,4	3,9	5,1*	9,7
	-1,5 m	9,9	11,6	15,0*	6,5	7,6	11,3*	4,8	5,5	8,8*	3,7	4,3	7,0*	3,6	4,1	5,7*	9,3
	-3,0 m	9,9	11,6	13,5*	6,5	7,5	10,4*	4,8	5,5	8,1*				4,0	4,6	6,6*	8,6
	-4,5 m	10,1	11,0*	11,0*	6,6	7,7	8,6*	4,9	5,7	6,3*				4,8	5,6	6,1*	7,6
6,7 m monobloc boom 2,4 m dipper arm Track gauge 900 mm	7,5 m				8,9*	8,9*	8,9*							7,0*	7,0*	7,0*	6,8
	6,0 m	10,9*	10,9*	10,9*	8,9	9,2*	9,2*	6,3	7,1	8,3*				5,9	6,6	6,9*	7,8
	4,5 m	12,3	13,1*	13,1*	8,2	9,3	10,0*	6,0	6,8	8,5*				4,9	5,6	6,3*	8,5
	3,0 m				7,6	8,7	11,0*	5,7	6,4	8,9*				4,5	5,1	7,0*	8,8
	1,5 m				7,2	8,2	11,6*	5,4	6,1	9,2*				4,3	4,9	7,0*	8,9
	0,0 m	10,5	12,3	13,6*	6,9	8,0	11,6*	5,2	6,0	9,2*				4,3	5,0	7,8*	8,7
	-1,5 m	10,4	12,2	13,7*	6,9	7,9	10,9*	5,1	5,9	8,6*				4,6	5,3	7,7*	8,2
	-3,0 m	10,5	11,6*	11,6*	6,9	8,0	9,4*							5,4	6,1	7,3*	7,4
	-4,5 m	8,4*	8,4*	8,4*	6,6*	6,6*	6,6*							6,2*	6,2*	6,2*	6,2

* Load capacity limited by machine's hydraulic lifting capacity.

The above values have been calculated in compliance with ISO standard 10567. They do not exceed 87 % of hydraulic lifting capacity or 75 % of tipping load, with the machine on firm, level ground.

Working pressure with HLD = 35 MPa (350 bar/5080 psi)

STANDARD EQUIPMENT

Engine and electrical system
Contronic E – computerized monitoring and alarm system
Battery disconnector and main fuel cock
Decelerator – electronical idling speed
Automatic idling speed
Electronically controlled pump regulation (SSC)
3-stage air filter with indicator
Hour meter
Tachometer
Fuel level gauge
Temperature gauge for coolant and hydraulic oil
Electric preheating coil
24 volt electrical system with 2 batteries
Well-protected electrical system based on printed circuit board
Water separating fuel filter

Undercarriage
Slew ring in oil bath
Hydraulic track tensioner
Derailing shields, 3 per side
Eyes for towing and tying, 4 pcs

Superstructure
Counterweight 6 300 kg
Access way with ladder

Safety and comfort
Safety bar to prevent accidental actuation via levers and pedals
Hose rupture valve on boom cylinder
Overload alarm
Working lights(halogen): 4 front, 1 rear
Interior lighting in cab and engine compartment
Rear-view mirrors:1 interior, 3 exterior
Cab heating and filtered air intake
Ergonomic, electrically heated operator's seat with seat belt
Skylight of special plastic
Sliding side window in cab door
Emergency exit through rear window
Tinted window glass (clear front)
Interior sun visor
Upper and lower windscreen wipers with intermittent function
Windscreen washer
Air horn
Silencer with spark arrester
Oil draining cock on the engine
Selectable slew holding brake automatics

Hydraulic system
Float position on boom
3 variable axial piston pumps
Mode Selector
Power Boost (HLD)
Wrist type control levers with four switches each
Hydraulic cylinders with internal end dampening
Slew priority
Two speed travel motors with brake valves and brakes of multi-disc type
Return filter of full flow type 13 µm (abs), 2000 h exchange interval
Servo accumulator
Hydraulically driven, thermostatically controlled cooling fan for the hydraulic oil cooler

Digging equipment
Spherical steel link bearings in all large pivot points
Safety lifting hook – 14 tons
Friction-welded piston rod eyes
Attachment points for extra hydraulics

ALTERNATIVE EQUIPMENT

Undercarriage
Narrow/long
Wide/long
Top rollers
Skid rails

Track shoes
600/700/800/900 mm track shoes with triple grousers and mud holes

Digging equipment
Booms
6,0 m monobloc
6,7 m monobloc

Dipper arms
2,2 m (Mass Excavation)
2,4 m
2,9 m
3,5 m

Buckets
Pin-on buckets and buckets for quickfit S3

GP-bucket	Rock bucket (RB)
2300 l	2000 l
2100 l	1800 l
1900 l	1600 l
1700 l	1400 l

Pin-on bucket
GP-bucket (Mass excavation)
2500 l

Hydraulic quickfit S3

OPTIONAL EQUIPMENT *(Standard on certain markets)*

Engine and electrical system
Diesel-powered cab and engine heater with digital timer
Electric engine heater, 220 V
Protective net in front of the cooler
Alternator 80 A
Oil bath filter for improved filtering of the intake air
Coolant filter

Undercarriage
Lockable storage box

Safety and comfort
Protective net for windscreen
Protective bars for skylight (FOPS 3449-approved)
Protective cab roof (FOGS ISO 10262-approved)
Fire extinguisher
Rotating warning beacon
Extra headlights on boom
Hydraulically powered fuelling pump, 90 l/min with overfilling protection
Extra circulation pump for heating system – interval heating
Extra hose rupture valves – dipper arm cylinder
Exterior sun visor **(GB)**
Rear window jalousie **(GB)**
Air conditioning
Microfilter for cab
Food heater
Radio with tape player
Tool kit
Service walk
Travel alarm/Slewing alarm

Hydraulic system
Biodegradable hydraulic oil
Hydraulic equipment for:
A. Slope bucket/rotator
B. Hammer/shears/grab/clam shell
C. Quickfit
D. Hand tool
E. Generator for lifting magnet (4th working pump)

(GB) = Standard in Great Britain

Under our policy of continuous product improvement, we reserve the right to change specifications and design without prior notice. The illustrations do not necessarily show the standard version of the machine.

VOLVO

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