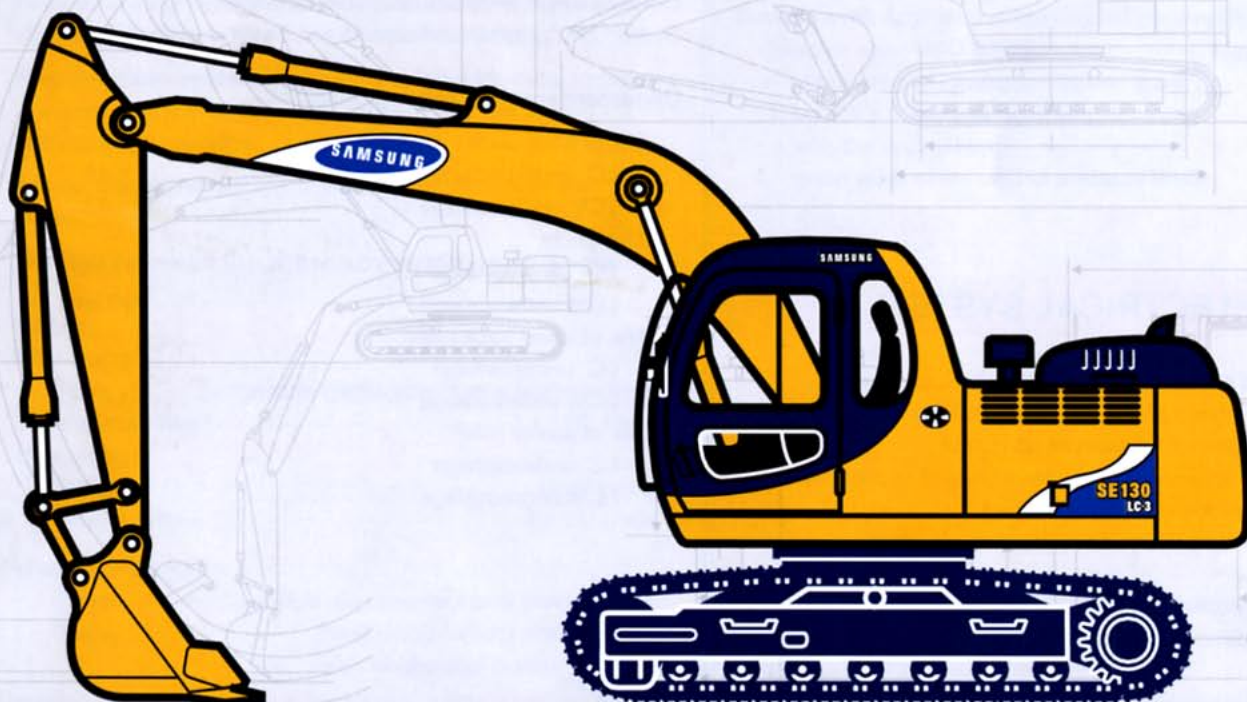


SAMSUNG EXCAVATOR

SE130LC-3 SE130LCM-3



- Engine power, gross: 79.9 kW (107 hp)
- Operating weight:
 - LC : 13.2~14.0 t
 - LCM : 14.2~15.4 t
- Buckets (SAE): 400 l ~ 640 l
- Cummins diesel engine with turbocharged and direct injection
- Integrated mode selection system and electronically controlled system (ACS)
- 2 variable displacement axial piston pumps. Independent and simultaneous movements of the digging equipment is controlled by "Automatic sensing work mode".
- Cab
 - Ergonomic environment
 - Low sound level
 - Filtered air
 - Hydraulic dampening mounts
- Rugged digging equipment produced by robot welding
- High lifting, breakout and tearout forces for tough digging conditions
- Undercarriage
 - LC : Long undercarriage for good stability
 - LCM : uses 20ton class undercarriage components and offers higher ground clearance.
- Prepared for a number of optional items of equipment

SAMSUNG



ENGINE

The engine is a turbocharged, 4-stroke diesel engine with water cooling, direct injection and aftercooler, specially developed for excavator use.

The machine can work at any job site, contributing to good fuel economy, low sound level, less wear and longer life.

Air Filter: 2-stage

Automatic Idling System: Reduces the engine speed to an idling speed when levers and pedals are not activated.

Maker	CUMMINS
Model	4BTA3.9-C
Power output at	2100 rpm (35 r/s)
Net (ISO 9249/DIN 6271)	73.5 kW (100 ps / 99 hp)
Gross (SAE J1349)	79.9 kW (108 ps/ 107 hp)
Max. torque	44 kg · m at 1600 rpm
No. of cylinders	4
Displacement	3.92 l
Bore	102 mm
Stroke	120 mm



ELECTRICAL SYSTEM

Well-protected electrical system with high capacity.

Double lock harness plugs are waterproof to ensure secure connections and prevent corrosion.

The relays and solenoid valves are shielded to prevent accidental damage or terminal contact.

Master Switch for battery disconnect is standard.

ACS system, providing integrated mode selection function and self-diagnostic mode, is standard.

Voltage	24 V
Batteries	2 × 12 V
Battery capacity	150 Ah
Alternator	24 V / 50 A



SWING SYSTEM

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

Max. swing speed	10.9 rpm
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SERVICE REFILL CAPACITIES

Fuel tank	260 l
Hydraulic system, total	220 l
Hydraulic tank	130 l
Engine oil	17.5 l
Engine coolant	21.4 l
Swing reduction unit	3.8 l
Travel reduction unit LC	2 × 3.5 l
LCM	2 × 5.8 l



UNDERCARRIAGE

Undercarriage with robust X-shape frame.

Sealed and grease-lubricated track chain is standard.

Undercarriage alternatives: LC/LCM

No. of track pads	
LC undercarriage	2 × 46
LCM undercarriage	2 × 42
Link pitch	
LC undercarriage	171 mm
LCM undercarriage	190 mm
No. of lower track roller	
LC undercarriage	2 × 7
LCM undercarriage	2 × 6
No. of carrier roller	
LC undercarriage	2 × 1
LCM undercarriage	2 × 2



DRIVE

Each track is powered by an automatic two speed travel motor.

The track brakes are of the multi-disc type, spring-applied and hydraulic released.

Travel motor, brake and planetary gears are well protected in the track frame.

1) LC

Max. tractive effort	109.8 kN (11.2 ton)
Max. travel speed(1st/2nd)	3.2/5.5 km/h
Gradeability	35° (70 %)

2) LCM

Max. tractive effort	140.2 kN (14.3 ton)
Max. travel speed(1st/2nd)	2.5/4.2 km/h
Gradeability	35° (70 %)



HYDRAULIC SYSTEM

The hydraulic system, named "Automatic Sensing Work Mode," is designed for high productivity, high digging capacity, high maneuvering precision and good fuel economy.

The summation system, boom priority, arm priority and regeneration system of boom and arm flow are provided for the best operation.

The following important functions are included in the system ;

Summation system: Providing full use of the pump oil flow.

Boom priority: Supplying priority to boom operation for fast raising in the application of loading and deep excavation.

Arm priority: providing priority to arm operation for faster cycle times at leveling work and for increased bucket filling factor at digging operation.

Regeneration system: Enhancing cylinder life cycle to prevent cavitation and providing priority to other movements in simultaneous operation.

Power boost: All digging, lifting and tractive forces are increased.

Holding valves: Boom and arm holding valves are standard.

Pumps

Main pump :

Type 2 × Variable displacement axial piston pumps
Maximum flow 2 × 120 l/min

Pilot pump :

Type Gear pump
Maximum flow 1 × 21 l/min

Hydraulic motors

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

Relief valve setting

Implement 31.4/34.3 MPa (320/350 kg/cm²)
Travel circuit 34.3 MPa (350 kg/cm²)
Swing circuit 24.5 MPa (250 kg/cm²)
Pilot circuit 3.9 MPa (40 kg/cm²)

Hydraulic cylinders

Boom 2
bore × stroke Ø 105 mm × 980 mm
Arm 1
bore × stroke Ø 120 mm × 1045 mm
Bucket 1
bore × stroke Ø 100 mm × 865 mm



CAB

Easily accessible cab with wide door opening. Lined with sound-absorbing material.

The cab is supported by hydraulic dampening mounts to reduce shock and vibration. All-around visibility. The front windshield can slide up into the ceiling and the lower front glass can be removed.

Integrated air-conditioning and heating system: Pressurized and filtered cab air is supplied by a 4-speed fan. The air is distributed via 8 vent holes.

Ergonomic operator's seat: The adjustable seat and control consoles move independently to best accommodate the operator. The seat has eight different adjustments and seat belt to meet any operator's requirement.

Sound Level: Approved according to Directive 86/662/EEC.

Exterior noise (ISO 6395)

mean value of L_{WA} (sound power level) 99 dB(A)

Operator's position (ISO 6396)

with the door closed

mean value of L_{PA} (sound pressure level) 74 dB(A)



GROUND PRESSURE

● Machine with 4.6 m boom, 2.5 m arm, 520 l (394 kg) bucket and 1750 kg counterweight.

LC

Description	Shoe width	Operating weight	Ground pressure	Overall width
Triple grouser	500 mm	13160 kg	39.2 kPa (0.40 kg/cm ²)	2490 mm
	600 mm	13370 kg	33.3 kPa (0.34 kg/cm ²)	2590 mm
	700 mm	13580 kg	29.4 kPa (0.30 kg/cm ²)	2690 mm
	750 mm	13690 kg	27.5 kPa (0.28 kg/cm ²)	2740 mm

LCM

Description	Shoe width	Operating weight	Ground pressure	Overall width
Triple grouser	600 mm	14220 kg	35.3 kPa (0.36 kg/cm ²)	2590 mm
	700 mm	14430 kg	30.4 kPa (0.31 kg/cm ²)	2690 mm
	800 mm	14820 kg	27.5 kPa (0.28 kg/cm ²)	2790 mm
	900 mm	15040 kg	24.5 kPa (0.25 kg/cm ²)	2890 mm

● Machine with 4.6 m boom, 2.5 m arm, 520 l (394 kg) bucket and 2100 kg counterweight.

LC

Description	Shoe width	Operating weight	Ground pressure	Overall width
Triple grouser	500 mm	13510 kg	40.2 kPa (0.41 kg/cm ²)	2490 mm
	600 mm	13720 kg	34.3 kPa (0.35 kg/cm ²)	2590 mm
	700 mm	13930 kg	30.4 kPa (0.31 kg/cm ²)	2690 mm
	750 mm	14040 kg	28.4 kPa (0.29 kg/cm ²)	2740 mm

LCM

Description	Shoe width	Operating weight	Ground pressure	Overall width
Triple grouser	600 mm	14570 kg	36.3 kPa (0.37 kg/cm ²)	2590 mm
	700 mm	14780 kg	31.4 kPa (0.32 kg/cm ²)	2690 mm
	800 mm	15170 kg	28.4 kPa (0.29 kg/cm ²)	2790 mm
	900 mm	15390 kg	25.5 kPa (0.26 kg/cm ²)	2890 mm

BUCKET & ARM COMBINATION

● Machine with 4.6 m boom and 1750 kg (2100 kg) counterweight.

LC

Bucket		Narrow Bucket	Standard Bucket	Reinforced Bucket	Wide Bucket	
Bucket capacity (SAE / CECE)		400 / 350 l	520 / 450 l	520 / 450 l	570 / 500 l	640 / 550 l
Bucket width (with / without side cutters)		850 / 740 mm	1035 / 925 mm	1035 / 925 mm	1110 / 1000 mm	1205 / 1095 mm
Weight (with side cutters)		343 kg	394 kg	417 kg	412 kg	429 kg
No. of teeth		4	5	5	5	5
Application		Trenching	General Purpose	Extreme Service	Loading Service	Loading Service
Arm options	2.1 m	○(○)	○(○)	○(○)	○(○)	□(○)
	2.5 m	○(○)	○(○)	○(○)	□(○)	□(□)
	3.0 m	○(○)	□(□)	□(□)	△(□)	△(△)

○ : Applicable for general purpose up to 2000 kg/m³

□ : Applicable for light duty up to 1600 kg/m³

△ : Applicable for light duty up to 1100 kg/m³

● Machine with 4.6 m boom and 1750 kg (2100 kg) counterweight.

LCM

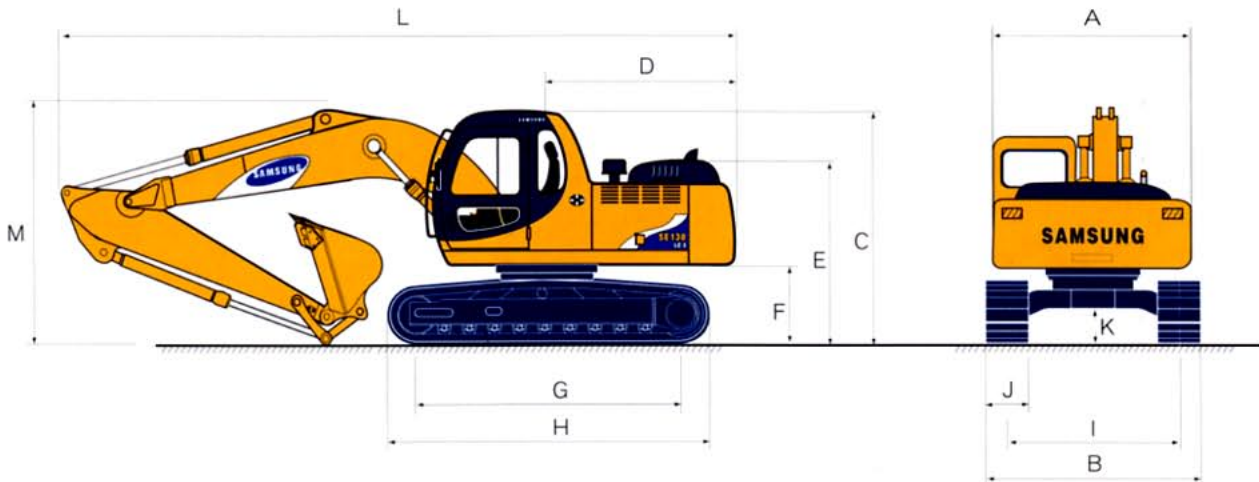
Bucket		Narrow Bucket	Standard Bucket	Reinforced Bucket	Wide Bucket	
Bucket capacity (SAE / CECE)		400 / 350 l	520 / 450 l	520 / 450 l	570 / 500 l	640 / 550 l
Bucket width (with / without side cutters)		850 / 740 mm	1035 / 925 mm	1035 / 925 mm	1110 / 1000 mm	1205 / 1095 mm
Weight (with side cutters)		343 kg	394 kg	417 kg	412 kg	429 kg
No. of teeth		4	5	5	5	5
Application		Trenching	General Purpose	Extreme Service	Loading Service	Loading Service
Arm options	2.1 m	○(○)	○(○)	○(○)	○(○)	○(○)
	2.5 m	○(○)	○(○)	○(○)	○(○)	□(□)
	3.0 m	○(○)	□(□)	□(□)	□(□)	△(△)

○ : Applicable for general purpose up to 2000 kg/m³

□ : Applicable for light duty up to 1600 kg/m³

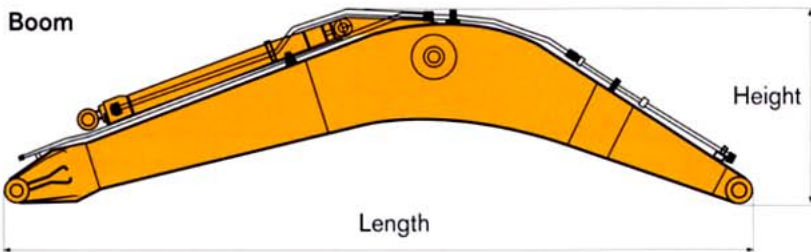
△ : Applicable for light duty up to 1100 kg/m³

DIMENSIONS



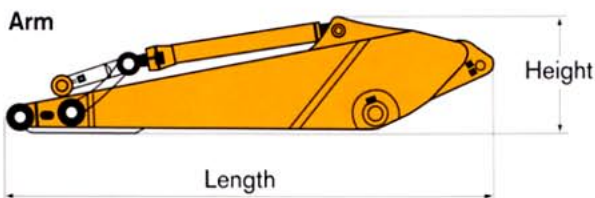
Description	unit	SE130LC-3			SE130LCM-3		
		2.1m Arm	2.5m Arm	3.0m Arm	2.1m Arm	2.5m Arm	3.0m Arm
A. Overall width of upper structure	mm	2450	2450	2450	2450	2450	2450
B. Overall width	mm	2590	2590	2590	2690	2690	2690
C. Overall height of cab	mm	2770	2770	2770	2920	2920	2920
D. Tail swing radius	mm	2200	2200	2200	2200	2200	2200
E. Overall height of engine hood	mm	2180	2180	2180	2330	2330	2330
F. * Counterweight clearance	mm	900	900	900	1090	1090	1090
G. Tumbler length	mm	3000	3000	3000	3000	3000	3000
H. Track length	mm	3740	3740	3740	3790	3790	3790
I. Track gauge	mm	1990	1990	1990	1990	1990	1990
J. Shoe width	mm	600	600	600	700	700	700
K. * Min. ground clearance	mm	430	430	430	570	570	570
L. Overall length	mm	7750	7750	7640	7730	7750	7730
M. Overall height of boom	mm	2610	2780	3190	2670	2790	3060

* Without shoe grouser



Description	4.6 m
Length	4770 mm
Height	1360 mm
Width	545 mm
Weight *	970 kg

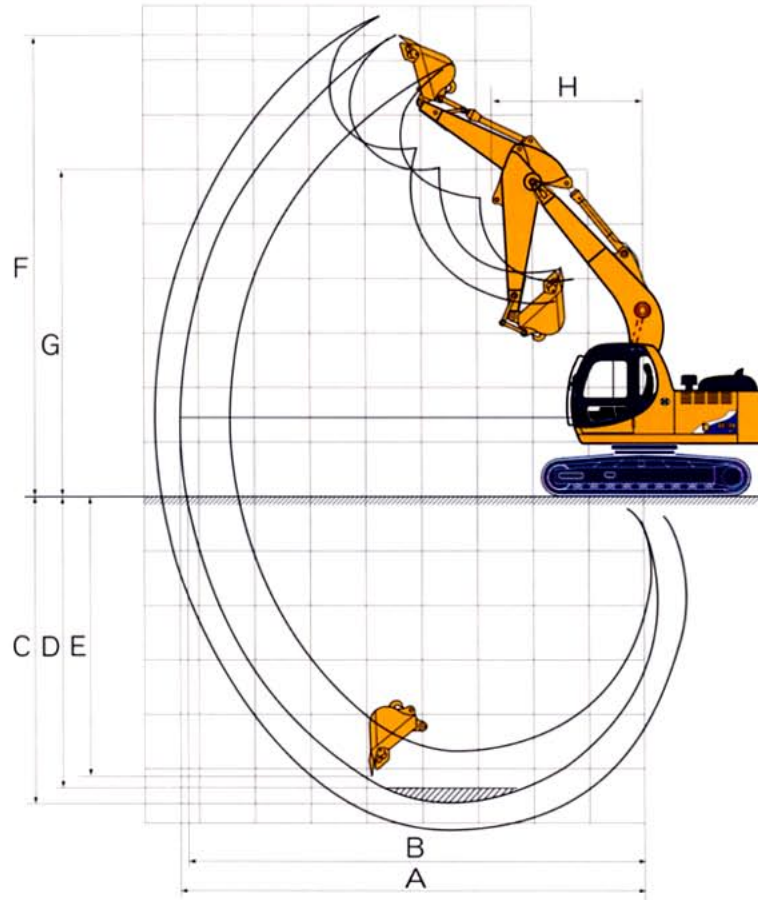
* Includes cylinder, piping and linkage



Description	2.1 m	2.5 m	3.0 m
Length	2800 mm	3190 mm	3690 mm
Height	760 mm	760 mm	760 mm
Width	275 mm	275 mm	275 mm
Weight *	550 kg	610 kg	650 kg

* Includes cylinder, piping and linkage

WORKING RANGES



Description	unit	SE130LC-3			SE130LCM-3		
		2.1m Arm	2.5m Arm	3.0m Arm	2.1m Arm	2.5m Arm	3.0m Arm
A. Max. digging reach	mm	7960	8330	8820	7960	8330	8820
B. Max. digging reach on ground	mm	7810	8190	8690	7780	8160	8660
C. Max. digging depth	mm	5130	5530	6030	4980	5380	5880
D. Max. digging depth (8' level)	mm	4870	5310	5850	4710	5160	5690
E. Max. vertical wall digging depth	mm	4580	5060	5500	4430	4900	5330
F. Max. cutting height	mm	8180	8420	8770	8340	8570	8930
G. Max. dumping height	mm	5740	5980	6320	5900	6130	6470
H. Min. front swing radius	mm	2610	2670	2830	2610	2670	2830

Digging forces with direct fit GP bucket:	unit	2.1m Arm	2.5m Arm	3.0m Arm	2.1m Arm	2.5m Arm	3.0m Arm
Bucket radius	mm	1250	1250	1250	1250	1250	1250
Breakout force (Normal / Power boost)	kN (ton)	78.8/86.1 (8.0/8.8)	78.8/86.1 (8.0/8.8)	78.8/86.1 (8.0/8.8)	78.8/86.1 (8.0/8.8)	78.8/86.1 (8.0/8.8)	78.8/86.1 (8.0/8.8)
Breakout force (Normal / Power boost)	kN (ton)	67.1/73.3 (6.8/7.5)	59.8/65.4 (6.1/6.7)	53.2/58.2 (5.4/5.9)	67.1/73.3 (6.8/7.5)	59.8/65.4 (6.1/6.7)	53.2/58.2 (5.4/5.9)
Rotation angle, bucket	°	179°	179°	179°	179°	179°	179°

Counterweight: 1750 kg / 2100 kg












Max. permitted buckets for direct fit:	unit	2.1m Arm	2.5m Arm	3.0m Arm	2.1m Arm	2.5m Arm	3.0m Arm
GP bucket 1.5 t/m ³	l	700 / 750	650 / 700	550 / 600	750 / 800	700 / 750	600 / 650
GP bucket 1.8 t/m ³	l	600 / 650	550 / 600	450 / 500	650 / 700	600 / 650	500 / 550

LIFTING CAPACITY (At the arm end without bucket)

Note: For lift capacity including bucket, simply subtract actual weight of bucket from the following values.

SE130LC-3 (Shoe 600 mm, Counterweight 1750 kg)

unit : kg, mm

 Across under-carriage  Along under-carriage	Lifting hook related to ground level	3 m		4.5 m		6 m		7.5 m		Max.reach		
												Max. mm
Boom 4.6 m + Arm 2.1 m	6 m			*3010	*3010					3140	*3170	4889
	4.5 m			*3150	*3150	2190	*3390			2260	*3220	5971
	3 m	*5630	*5630	3380	*3920	2110	3340			1920	3000	6533
	1.5 m			3180	*4870	2050	3270			1790	2830	6710
	0 m	*5190	*5190	3040	5020					1830	2900	6535
	-1.5 m	5530	*8550	3010	4980					2060	3290	5977
	-3 m	5660	*7440	3080	*4950					2750	*4380	4900
Boom 4.6 m + Arm 2.5 m	6 m			*2560	*2560					2700	*2890	5396
	4.5 m			*2780	*2780	2260	*2880			2030	*2970	6389
	3 m	*4820	*4820	3410	*3570	2200	*3150			1750	2740	6916
	1.5 m	5750	*6300	3190	*4580	2110	3340			1640	2600	7083
	0 m	5490	*5780	3030	5010	2030	3250			1660	2650	6918
	-1.5 m	5460	*8690	2970	4940	2000	3220			1840	2950	6395
	-3 m	5550	*7850	3010	4980					2350	3800	5405
Boom 4.6 m + Arm 3.0 m	6 m					2270	*2560			2250	*2580	6028
	4.5 m					2270	*2480			1750	*2560	6929
	3 m			*3080	*3080	2190	*2810			1530	2430	7416
	1.5 m	5850	*6570	3180	*4140	2080	*3290	1460	2340	1440	2310	7572
	0 m	5430	*6240	2980	4970	1980	3210			1450	2340	7418
	-1.5 m	5330	*8390	2890	4860	1930	3150			1580	2570	6934
	-3 m	5380	*8170	2890	4870	1960	3180			1940	3150	6037













- Notes :
- The above loads are in compliance with SAE and ISO Hydraulic Excavator Lift 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.

LIFTING CAPACITY (At the arm end without bucket)

Note: For lift capacity including bucket, simply subtract actual weight of bucket from the following values.

SE130LC-3 (Shoe 600 mm, Counterweight 2100 kg)

unit : kg, mm

 Across under-carriage  Along under-carriage	Lifting hook related to ground level	3 m		4.5 m		6 m		7.5 m		Max.reach		
												Max. mm
Boom 4.6 m + Arm 2.1 m	6 m			*3010	*3010					*3170	*3170	4889
	4.5 m			*3150	*3150					2420	*3220	5971
	3 m	*5630	*5630	3620	*3920	2360	*3390			2070	3180	6533
	1.5 m			3420	*4870	2280	3550			1940	3010	6710
	0 m	*5190	*5190	3280	5330	2220	3480			1980	3090	6535
	-1.5 m	5960	*8550	3250	5300					2230	3500	5977
	-3 m	6080	*7440	3320	*4950					2970	*4380	4900
Boom 4.6 m + Arm 2.5 m	6 m			*2560	*2560					2890	*2890	5396
	4.5 m			*2780	*2780	2430	*2880			2180	*2970	6389
	3 m	*4820	*4820	*3570	*3570	2370	*3150			1890	2910	6916
	1.5 m	6180	*6300	3430	*4580	2270	3550			1780	2760	7083
	0 m	*5780	*5780	3270	5320	2200	3460			1800	2820	6918
	-1.5 m	5890	*8690	3210	5250	2170	3430			2000	3140	6395
	-3 m	5980	*7850	3250	*5220					2550	4040	5405
Boom 4.6 m + Arm 3.0 m	6 m					2430	*2560			2410	*2580	6028
	4.5 m					2440	*2480			1900	*2560	6929
	3 m			*3080	*3080	2350	*2810			1660	*2550	7416
	1.5 m	6270	*6570	3420	*4140	2240	*3290	1590	2500	1560	2460	7572
	0 m	5850	*6240	3220	*5040	2150	3410			1580	2500	7418
	-1.5 m	5750	*8390	3130	5170	2100	3360			1720	2740	6934
	-3 m	5810	*8170	3130	5180	2120	3390			2110	3360	6037













- Notes : 1. The above loads are in compliance with SAE and ISO Hydraulic Excavator Lift Capacity Standards.
 2. Rated loads do not exceed 87% of hydraulic lifting capacity or 75% of tipping load.
 3. Rated loads marked with an asterisk (*) are limited by hydraulic capacity rather than tipping load.

LIFTING CAPACITY (At the arm end without bucket)

Note: For lift capacity including bucket, simply subtract actual weight of bucket from the following values.

SE130LCM-3 (Shoe 700 mm, Counterweight 1750 kg)

unit : kg, mm

 Across under-carriage  Along under-carriage	Lifting hook related to ground level	3 m		4.5 m		6 m		7.5 m		Max.reach		
												Max. mm
Boom 4.6 m + Arm 2.1 m	6 m			*2980	*2980					*3170	*3170	5034
	4.5 m			*3200	*3200	2410	*3220			2380	*3240	6050
	3 m	*5940	*5940	3610	*4010	2360	*3430			2050	3190	6568
	1.5 m			3400	*4960	2280	3580			1940	3040	6708
	0 m	*5580	*5580	3280	5380	2220	3520			2000	3150	6496
	-1.5 m	5980	*8480	3260	5350					2280	3610	5894
	-3 m	6110	*7250	3340	*4790					3120	*4410	4746
Boom 4.6 m + Arm 2.5 m	6 m			*2550	*2550					2780	*2890	5527
	4.5 m			*2840	*2840	2430	*2890			2150	*2980	6463
	3 m	*5110	*5110	3640	*3670	2360	*3190			1870	2920	6949
	1.5 m	*5800	*5800	3410	*4680	2270	3570			1780	2790	7081
	0 m	5910	*6020	3270	5370	2200	3490			1820	2870	6882
	-1.5 m	5900	*8640	3220	5310	2180	3470			2040	3240	6317
	-3 m	6010	*7710	3270	*5110					2650	*4130	5266
Boom 4.6 m + Arm 3.0 m	6 m					2450	*2520			2340	*2580	6145
	4.5 m					2430	*2500			1870	*2550	6996
	3 m	*4050	*4050	*3180	*3180	2350	*2850			1650	*2560	7447
	1.5 m	6220	*6820	3400	*4250	2240	*3350	1590	2520	1570	2490	7570
	0 m	5840	*6320	3210	*5110	2140	3440			1590	2550	7384
	-1.5 m	5760	*8650	3130	5220	2100	3390			1750	2810	6863
	-3 m	5830	*8060	3150	5240					2180	3510	5914

- Notes : 1. The above loads are in compliance with SAE and ISO Hydraulic Excavator Lift Capacity Standards.
 2. Rated loads do not exceed 87% of hydraulic lifting capacity or 75% of tipping load.
 3. Rated loads marked with an asterisk (*) are limited by hydraulic capacity rather than tipping load.

LIFTING CAPACITY (At the arm end without bucket)

Note: For lift capacity including bucket, simply subtract actual weight of bucket from the following values.

SE130LCM-3 (Shoe 700 mm, Counterweight 2100 kg)

unit : kg, mm

 Across under-carriage  Along under-carriage	Lifting hook related to ground level	3 m		4.5 m		6 m		7.5 m		Max.reach		
												Max. mm
Boom 4.6 m + Arm 2.1 m	6 m			*2980	*2980					*3170	*3170	5034
	4.5 m			*3200	*3200	2580	*3220			2540	*3240	6050
	3 m	*5940	*5940	3850	*4010	2530	*3430			2200	3370	6568
	1.5 m			3640	*4960	2450	3790			2090	3220	6708
	0 m	*5580	*5580	3520	*5560	2390	3730			2150	3330	6496
	-1.5 m	6410	*8480	3500	*5610					2450	3820	5894
	-3 m	6540	*7250	3580	*4790					3340	*4410	4746
Boom 4.6 m + Arm 2.5 m	6 m			*2550	*2550					*2890	*2890	5527
	4.5 m			*2840	*2840	2600	*2890			2300	*2980	6463
	3 m	*5110	*5110	*3670	*3670	2530	*3190			2010	3090	6949
	1.5 m	*5800	*5800	3660	*4680	2440	*3630			1920	2960	7081
	0 m	*6020	*6020	3510	*5400	2360	3700			1960	3050	6882
	-1.5 m	6330	*8640	3460	*5610	2340	3680			2200	3430	6317
	-3 m	6440	*7710	3510	*5110					2850	*4130	5266
Boom 4.6 m + Arm 3.0 m	6 m					*2520	*2520			2500	*2580	6145
	4.5 m					*2500	*2500			2000	*2550	6996
	3 m	*4050	*4050	*3180	*3180	2510	*2850			1780	*2560	7447
	1.5 m	6650	*6820	3650	*4250	2400	*3350	1720	2680	1690	2640	7570
	0 m	6270	*6320	3450	*5110	2310	3650			1720	2710	7384
	-1.5 m	6190	*8650	3370	*5500	2270	3600			1900	2990	6863
	-3 m	6260	*8060	3390	*5290					2350	3720	5914

- Notes : 1. The above loads are in compliance with SAE and ISO Hydraulic Excavator Lift Capacity Standards.
 2. Rated loads do not exceed 87% of hydraulic lifting capacity or 75% of tipping load.
 3. Rated loads marked with an asterisk (*) are limited by hydraulic capacity rather than tipping load.

STANDARD EQUIPMENT

Engine

Air cleaner with indicator
 Electric engine shut-off
 Fuel filter and water separator
 Automatic fan belt tensioner
 Automatic deaeration system

Electronic control system

Advanced control system (ACS)
 Integrated mode selection system
 Self-diagnostic system
 Automatic idling system
 One-touch power boost
 Automatic engine warm-up
 Safety stop/start function
 Adjustable monitor
 Master switch
 Engine restart prevention circuit
 Powerful halogen lights :
 - Frame mounted 2
 - Boom mounted 2

Alternator(50A)
 Batteries(2 × 12V/150Ah)
 Start motor(24V/3.7kW)

Hydraulic system

Automatic sensing work mode
 - Summation system
 - Boom priority
 - Arm priority
 Boom and arm flow regeneration
 Anti-rebound valve
 Boom and arm holding valves
 Pilot-operated semi-long joysticks
 Multi-stage filtering system
 Cylinder cushions
 Cylinder contamination seal
 Auxiliary hydraulic valve
 Straight travel circuit
 Automatic two speed travel motors

Superstructure

Full height counterweight
 Access way with hand-rail
 Box tool

Cab and interior

Hydraulic dampening cab mounts
 Adjustable operator seat and control console
 Flexible antenna
 Hydraulic safety lock lever
 Cab, all-weather sound suppressed, includes :
 - Ashtray
 - Cigar lighter
 - Door locks
 - Floor mat
 - Horn
 - Hot & cool storage box
 - Pull-up type front window

- Removable lower windshield
 - Seat
 - Seat belt
 - Safety glass
 - Windshield wiper with intermittent feature

Undercarriage

Hydraulic track adjusters
 Sealed and grease-lubricated track chain
 Track guards

ALTERNATIVE EQUIPMENT

Undercarriage

- LC
 - LCM

Track shoes

LC: 500/600/700/750 mm
 track shoes with triple grousers

Track shoes

LCM: 600/700/800/900 mm
 track shoes with triple grousers

Digging equipment

Arm: 2.1 m / 2.5 m / 3.0 m
Counterweight
 1750 kg / 2100 kg

OPTIONAL EQUIPMENT (Standard in certain markets)

Engine

Low-emission engine, satisfying EPA emission standards
 Block heater : 120V, 240V
 Fuel warmer
 Air heater
 Precleaner

Electronic control system

Overload warning device
 Fuel filler pump
 Rotating warning beacon
 Travel alarm

Hydraulic system

Anti drop valve : boom, arm
 Hydraulics, combined function :
 - Hammer
 - Shears, crusher
 Hydraulic quick fit

Cab and interior

Air conditioner
 Heater
 Cab guard
 Falling object guard (FOG)
 Stereo cassette radio (AM/FM)
 Vandalism kit

Service

Spare parts
 Tool kit

Under our policy of continuous 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

**Volvo Construction
 Equipment Group**

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