

Specifications

ENGINE

Model Komatsu SAA4D95LE-5
 Type..... Common rail, multi injection, water cooled, turbocharged
 Displacement.....3.260 cm³
 Bore × stroke..... 95 mm × 115 mm
 No. of cylinders 4
 Engine power
 at engine speed 1.950 rpm
 ISO 1439650,7 kW / 68,0 HP
 SAE J134949,0 kW / 65,7 HP
 Max. torque/engine speed266 Nm/1.600 rpm
 Air cleanerdry, double element type air cleaner with dust indicator and auto-dust evacuator

OPERATING WEIGHT

Operating weight, including 1.650 mm arm, 0,28 m³ bucket (ISO 7451), blade, operator, liquids, filled tank and standard equipment (ISO 6016).

Shoes	Width	Mono boom	Two-piece boom
Steel (450 mm)	2.320 mm	8.225 kg	8.575 kg
Steel (600 mm)	2.470 mm	8.395 kg	8.745 kg
Rubber (450 mm)	2.320 mm	8.175 kg	8.525 kg
Road liner (450 mm)	2.320 mm	8.305 kg	8.655 kg

DRIVES AND BRAKES

Steering control 2 levers with pedals
 Transmission hydrostatic
 Hydraulic motors variable displacement, axial piston
 Max. drawbar pull.....66,9 kN (6.820 kgf)
 Max. travel speeds Lo / Hi 2,9 km/h - 5,1 km/h
 Service brake.....hydraulic lock
 Parking brake mechanical discs

UNDERCARRIAGE

Construction.....X-frame centre section with box section track-frames
 Type..... fully sealed
 Track adjuster..... hydraulic
 Shoes (each side)39
 Carrier rollers (each side)..... 1
 Track rollers (each side) 5
 Ground pressure0,37 kg/cm²

BLADE

Width × height2.320 × 470 mm
 Max. lifting above ground level500 mm
 Max. depth below ground level.....440 mm

HYDRAULIC SYSTEM

Type.....HydrauMind. Closed-centre system with load sensing and pressure compensation valves
 Main pumps:
 Pump for.....boom, arm, bucket and travelling
 Type variable displacement, axial piston
 Max. flow 160 ltr/min
 Pump for..... swing and blade
 Type fixed displacement gear pump
 Max. flow70 ltr/min
 Hydraulic motors:
 Travel.....2 × piston motor with parking brake
 Swing..... 1 × piston motor with swing holding brake
 Relief valve setting:
 Swing and blade 21,1 MPa (215 kg/cm²)
 Travel and work equipment 26,5 MPa (270 kg/cm²)
 Bucket breakout force (ISO 6015)..... 6.130 daN (6.525 kgf)
 Arm crowd force, 1.650 mm arm
 (ISO 6015) 4.150 daN (4.230 kgf)

SWING SYSTEM

Driven byhydraulic motor
 Swing reduction gearplanetary gear
 Swing circle lubrication grease-bathed
 Swing brakes..... automatic, with oil immersed disks
 Swing speed..... 10 rpm

ELECTRIC SYSTEM

Voltage24 V
 Battery55 Ah
 Alternator.....60 A
 Starter motor4,5 kW

SERVICE CAPACITIES

Fuel tank.....125 ltr
 Cooling system.....10 ltr
 Engine oil..... 11,5 ltr
 Final drive (each side)..... 1,1 ltr
 Swing drive.....2,8 ltr
 Hydraulic oil tank..... 100 ltr

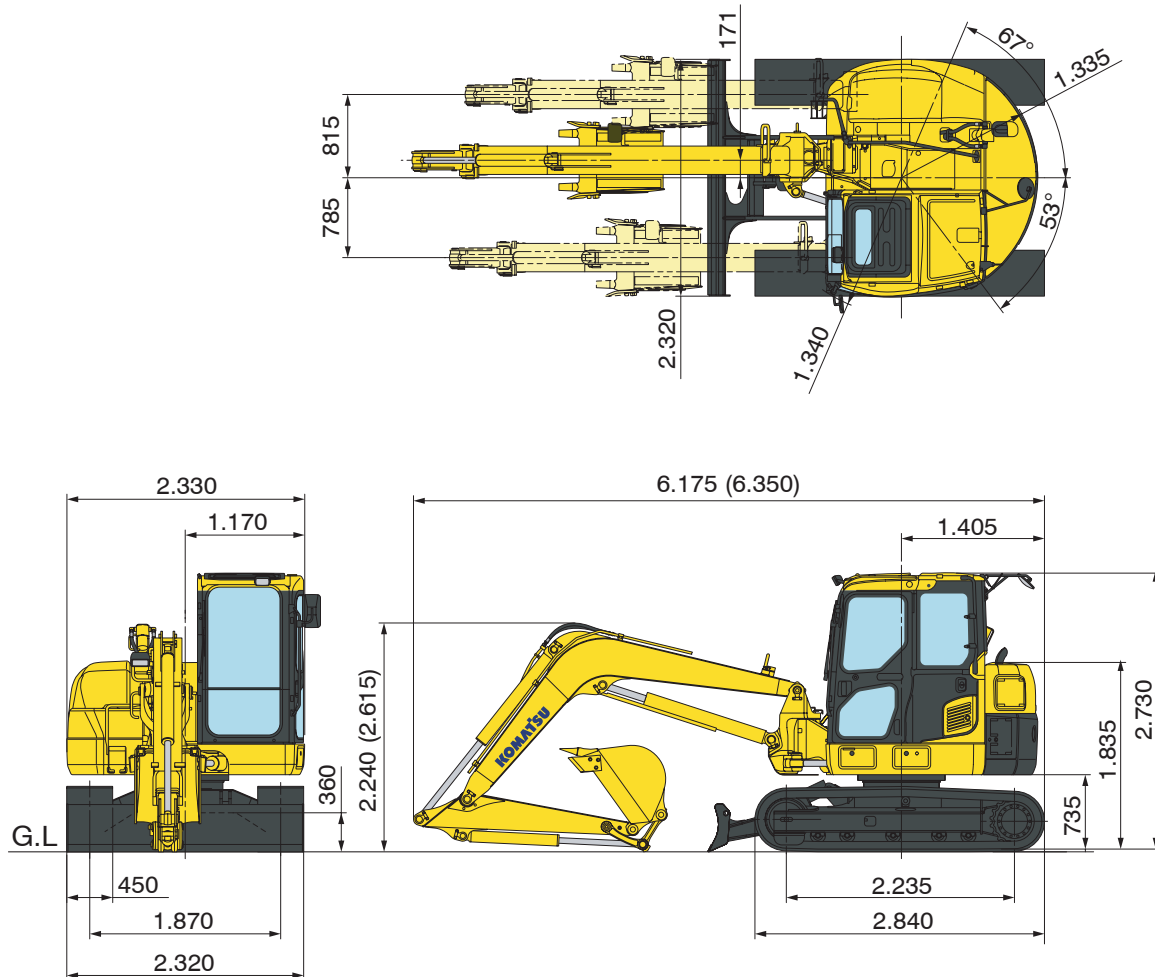
CAB

Sound-proof cab, provided with safety glasses, liftable windscreen, roof window, sliding door with lock, windscreen-wiper, electric horn, adjustable seat with double slide, control system and instrumentation, adjustable joysticks, outside air inlet.

ENVIRONMENT

Vibration levels (EN 12096:1997)*
 Hand/arm ≤ 2,5 m/s² (uncertainty K = 1,2 m/s²)
 Body ≤ 0,5 m/s² (uncertainty K = 0,2 m/s²)
 * for the purpose of risk assessment under directive 2002/44/EC, please refer to ISO/TR 25398:2006.

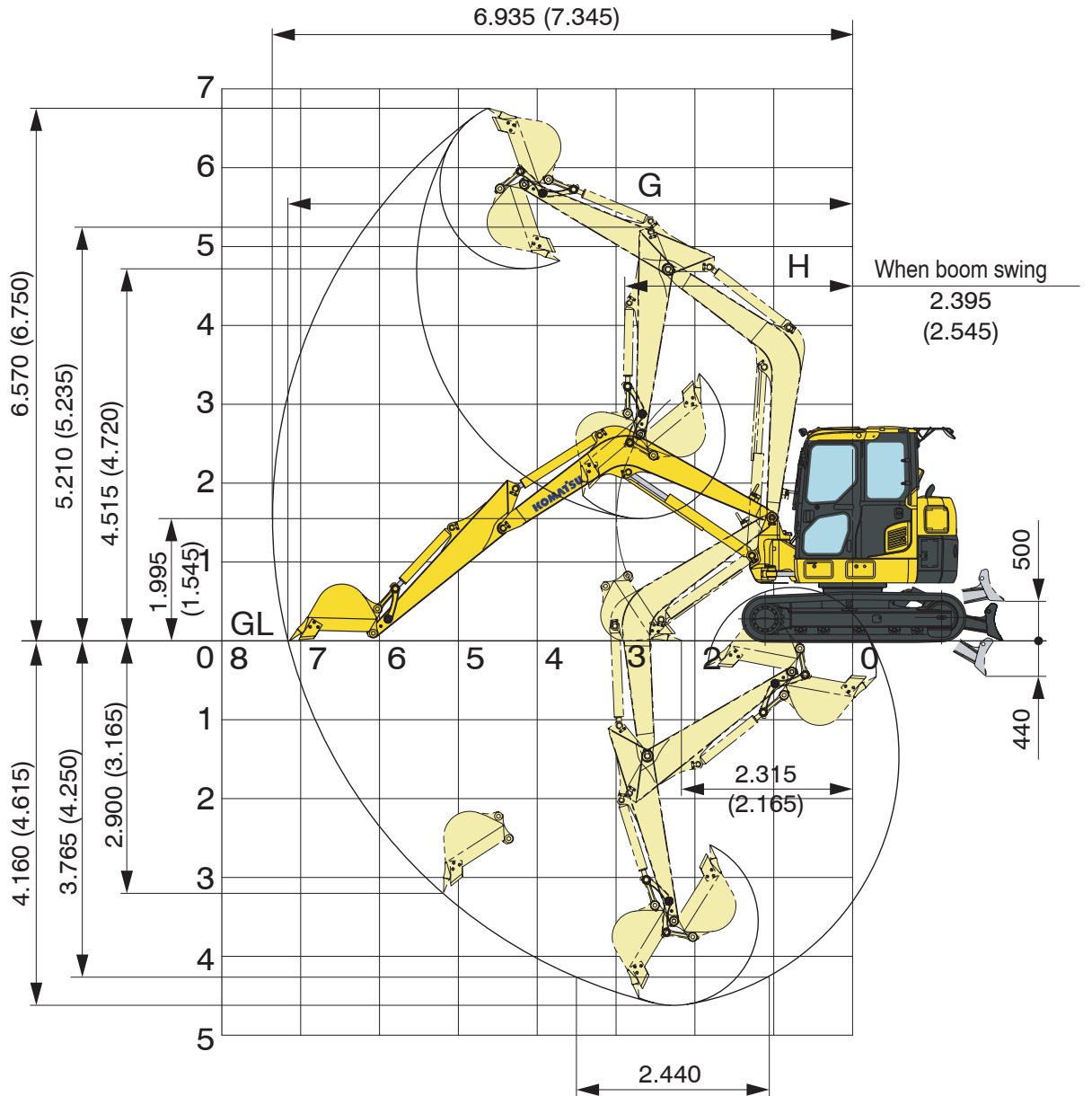
DIMENSIONS



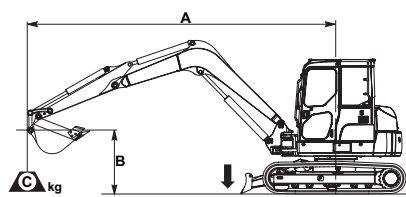
Bucket capacity (ISO 7451)	m ³	0,077	0,109	0,181	0,235	0,282
Bucket width (without cutting edge)	mm	350	450	550	650	750
Bucket width (with cutting edge)	mm	450	550	650	750	825

Working Range

WORKING RANGE MONO BOOM



LIFTING CAPACITY MONO BOOM / WITH BLADE AT GROUND LEVEL



A – Reach from swing centre

B – Bucket hook height

C – Lifting capacities, including bucket (210 kg with 1.650 mm arm; 185 kg with 2.100 mm arm), bucket linkage and bucket cylinder

– Rating over front

– Rating over side

– Rating at maximum reach

When removing bucket, linkage or cylinder, lifting capacities can be increased by their respective weights.

Arm length	A B	Additional counterweight	1,5 m		3,0 m		4,5 m			
1.650 mm	5,0 m	---	---	---	---	---	---	---	1.520*	1.250
	3,0 m	---	---	---	---	1.760*	1.280	1.650*	790	
	0,0 m	---	---	3.520*	2.040	3.060*	1.100	2.210*	730	
	-2,0 m	---	6.110*	4.930*	5.210*	2.070	2.960*	1.100	2.770*	1.040
1.650 mm	5,0 m	+ 218 kg	---	---	---	---	---	---	1.520*	1.340
	3,0 m	+ 218 kg	---	---	---	---	1.760*	1.380	1.640*	870
	0,0 m	+ 218 kg	---	---	3.520*	2.220	3.060*	1.210	2.210*	800
	-2,0 m	+ 218 kg	6.110*	4.930*	5.210*	2.250	2.960*	1.200	2.770*	1.130
2.100 mm	5,0 m	---	---	---	---	---	---	---	1.310*	1.040
	3,0 m	---	---	---	---	1.430*	1.290	1.430*	690	
	0,0 m	---	---	3.980*	1.990	2.860*	1.070	1.940*	620	
	-2,0 m	---	4.870*	3.950*	5.440*	1.980	3.060*	1.040	2.460*	840
2.100 mm	5,0 m	+ 218 kg	---	---	---	---	---	---	1.310*	1.130
	3,0 m	+ 218 kg	---	---	---	---	1.430*	1.390	1.430*	760
	0,0 m	+ 218 kg	---	---	3.980*	2.170	2.860*	1.180	1.940*	690
	-2,0 m	+ 218 kg	4.870*	3.950*	5.440*	2.160	3.060*	1.140	2.460*	920

LIFTING CAPACITY MONO BOOM / WITH BLADE UP

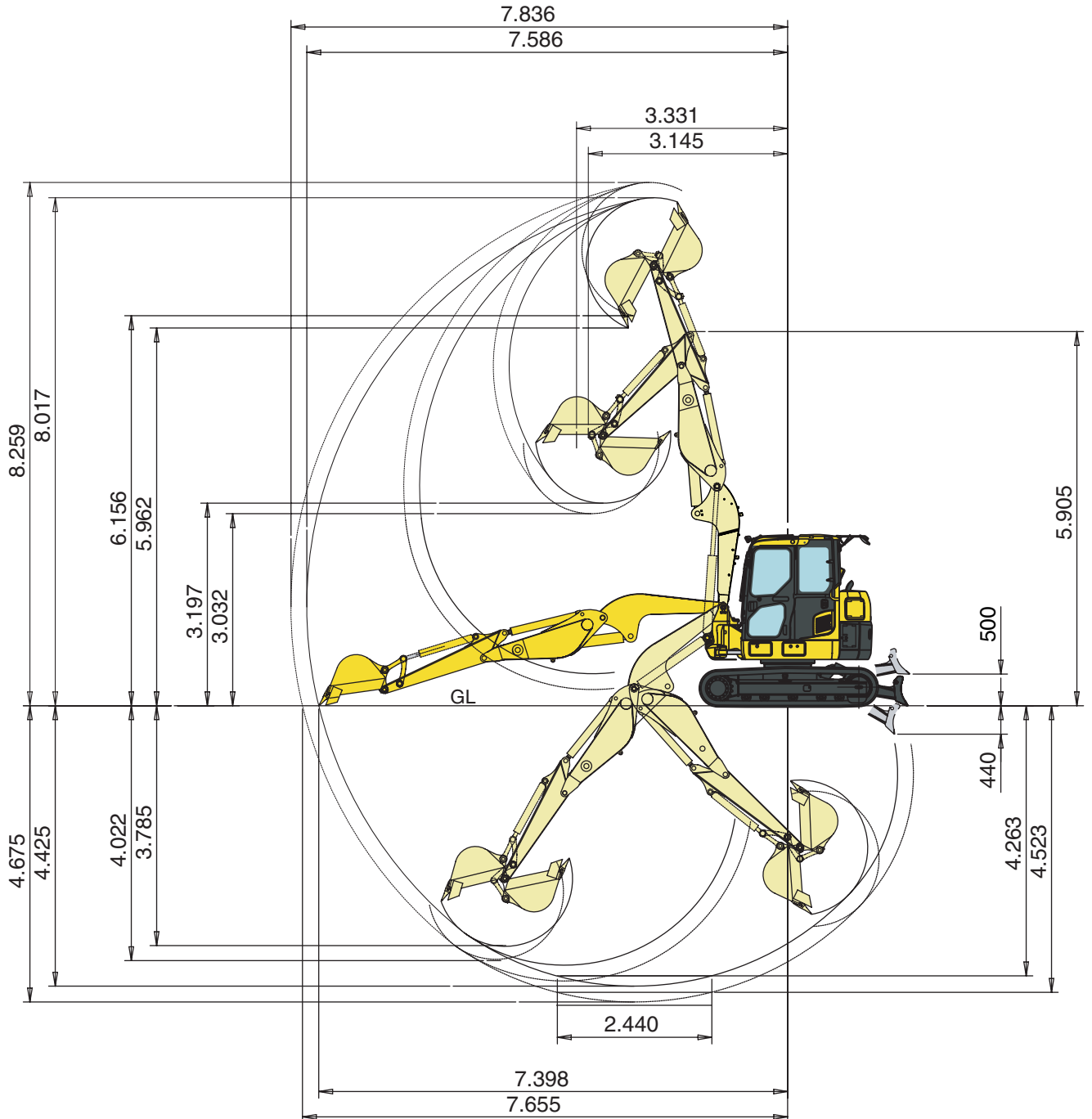
Arm length	A B	Additional counterweight	1,5 m		3,0 m		4,5 m			
1.650 mm	5,0 m	---	---	---	---	---	---	---	1.520	1.250
	3,0 m	---	---	---	---	1.560	1.280	980	790	
	0 m	---	---	2.630	2.040	1.380	1.100	910	730	
	-2,0 m	---	4.930*	4.930*	2.660	2.070	1.370	1.100	1.300	1.040
1.650 mm	5,0 m	+218 kg	---	---	---	---	---	---	1.520*	1.340
	3,0 m	+218 kg	---	---	---	---	1.680	1.380	1.060	870
	0 m	+218 kg	---	---	2.850	2.220	1.500	1.210	990	800
	-2,0 m	+218 kg	4.930*	4.930*	2.880	2.250	1.490	1.200	1.410	1.130
2.100 mm	5,0 m	---	---	---	---	---	---	---	1.270	1.040
	3,0 m	---	---	---	---	1.430*	1.290	860	690	
	0 m	---	---	2.580	1.990	1.350	1.070	790	620	
	-2,0 m	---	3.950*	3.950*	2.570	1.980	1.310	1.040	1.060	840
2.100 mm	5,0 m	+218 kg	---	---	---	---	---	---	1.310*	1.130
	3,0 m	+218 kg	---	---	---	---	1.430*	1.390	940	760
	0 m	+218 kg	---	---	2.800	2.170	1.470	1.180	870	690
	-2,0 m	+218 kg	3.950*	3.950*	2.780	2.160	1.430	1.140	1.160	930

Ratings are based on ISO standard 10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load. Excavators used in object handling operations must comply with the related local regulations and must be equipped with hose burst valves (boom & arm) and an overload warning device in compliance with EN474-5.

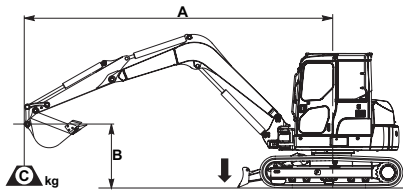
- The values marked with an asterisk (*) are limited by the hydraulic capacities
- Calculations are based on the machine resting on a uniform and firm surface
- The lifting point is a hypothetical hook placed behind the bucket.

Working Range

WORKING RANGE TWO-PIECE BOOM



LIFTING CAPACITY TWO-PIECE BOOM / WITH BLADE AT GROUND LEVEL



A – Reach from swing centre

B – Bucket hook height

C – Lifting capacities, including bucket (210 kg with 1.650 mm arm; 185 kg with 1.900 mm arm), bucket linkage and bucket cylinder

– Rating over front

– Rating over side

– Rating at maximum reach

When removing bucket, linkage or cylinder, lifting capacities can be increased by their respective weights.

Arm length	A B	Additional counterweight	1,5 m		3,0 m		4,5 m			
1.650 mm	5,0 m	---	---	---	---	---	---	---	1.840*	760
	3,0 m	---	---	---	---	2.170*	1.130	1.650*	520	
	0,0 m	---	---	---	---	2.980*	920	1.670*	500	
	-2,0 m	---	---	---	3.890*	1.860	2.510*	950	1.500*	700
1.650 mm	5,0 m	+ 218 kg	---	---	---	---	---	---	1.840*	840
	3,0 m	+ 218 kg	---	---	---	---	2.170*	1.240	1.650*	590
	0,0 m	+ 218 kg	---	---	---	---	2.980*	1.030	1.670*	570
	-2,0 m	+ 218 kg	---	---	---	3.890*	2.040	2.510*	1.050	1.500*
1.900 mm	5,0 m	---	---	---	---	---	---	---	1.730*	690
	3,0 m	---	---	---	---	---	2.050*	1.150	1.520*	490
	0,0 m	---	---	---	---	---	2.960*	920	1.610*	460
	-2,0 m	---	---	---	4.110*	1.810	2.620*	920	1.480*	640
1.900 mm	5,0 m	+ 218 kg	---	---	---	---	---	---	1.730*	770
	3,0 m	+ 218 kg	---	---	---	---	2.050*	1.250	1.520*	550
	0,0 m	+ 218 kg	---	---	---	---	2.960*	1.020	1.610*	530
	-2,0 m	+ 218 kg	---	---	---	4.110*	1.990	2.620*	1.030	1.480*

LIFTING CAPACITY TWO-PIECE BOOM / WITH BLADE UP

Arm length	A B	Additional counterweight	1,5 m		3,0 m		4,5 m			
1.650 mm	5,0 m	---	---	---	---	---	---	---	960	760
	3,0 m	---	---	---	---	1.430	1.130	680	520	
	0 m	---	---	---	---	1.200	920	660	500	
	-2,0 m	---	---	---	2.460	1.860	1.230	950	900	700
1.650 mm	5,0 m	+218 kg	---	---	---	---	---	---	1.050	840
	3,0 m	+218 kg	---	---	---	---	1.540	1.240	750	590
	0 m	+218 kg	---	---	---	---	1.320	1.030	730	570
	-2,0 m	+218 kg	---	---	---	2.670	2.040	1.350	1.050	990
1.900 mm	5,0 m	---	---	---	---	---	---	---	880	690
	3,0 m	---	---	---	---	---	1.440	1.150	640	490
	0 m	---	---	---	---	---	1.200	920	620	460
	-2,0 m	---	---	---	2.410	1.810	1.200	920	820	640
1.900 mm	5,0 m	+218 kg	---	---	---	---	---	---	970	770
	3,0 m	+218 kg	---	---	---	---	1.560	1.250	710	550
	0 m	+218 kg	---	---	---	---	1.310	1.020	690	530
	-2,0 m	+218 kg	---	---	---	2.620	1.990	1.320	1.030	910

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