

# SPECIFICATIONS





## BASIC SPECIFICATIONS

<Applicable machine models 216000002 or later>

Type		Cab	Canopy	
<b>MASS</b>				
Operating mass	kg (lb)	Rubber crawlers	1865 (4110)	1770 (3900)
		Steel crawlers	1915 (4220)	1820 (4010)
<b>PERFORMANCE</b>				
Bucket capacity (Standard bucket)	m <sup>3</sup> (cu. ft.)	Heaped	0.038 (1.34)	
		Struck	0.028 (0.99)	
Slew speed	min <sup>-1</sup> (rpm)	9.2 (9.2)		
Travel speed	km/h (mph)	Rubber crawlers	1st	2.2 (1.37)
			2nd	4.2 (2.61)
		Steel crawlers	1st	2.1 (1.30)
			2nd	4.0 (2.49)
Gradeability	(degrees)	15		
Ground pressure	kPa (psi)	Rubber crawlers	31.0 (4.50)	29.4 (4.26)
		Steel crawlers	34.5 (5.00)	32.8 (4.76)
Noise level	dB (A)	Sound power level	L <sub>WA</sub> 93	
		Emission sound pressure level at the operator's position (ISO 6396,2008:)	L <sub>pA</sub> 76	
<b>ENGINE</b>				
Manufacturer and model		Yanmar 3TNV70		
Rated output	Net (ISO 14396)	kW/min <sup>-1</sup> (hp/rpm)	11.5/2400 (15.4/2400)	
	Net (ISO 9249/ SAEJ1349)	kW/min <sup>-1</sup> (hp/rpm)	11.1/2400 (14.9/2400)	
Displacement		ml (cu.in.)	854 (52.1)	
Starter		V-kW	12-1.0	
Alternator		V-kW	12-0.48	
Battery (IEC 60095-1)		V-A·h	12-45	



SPECIFICATIONS  
**BASIC SPECIFICATIONS**

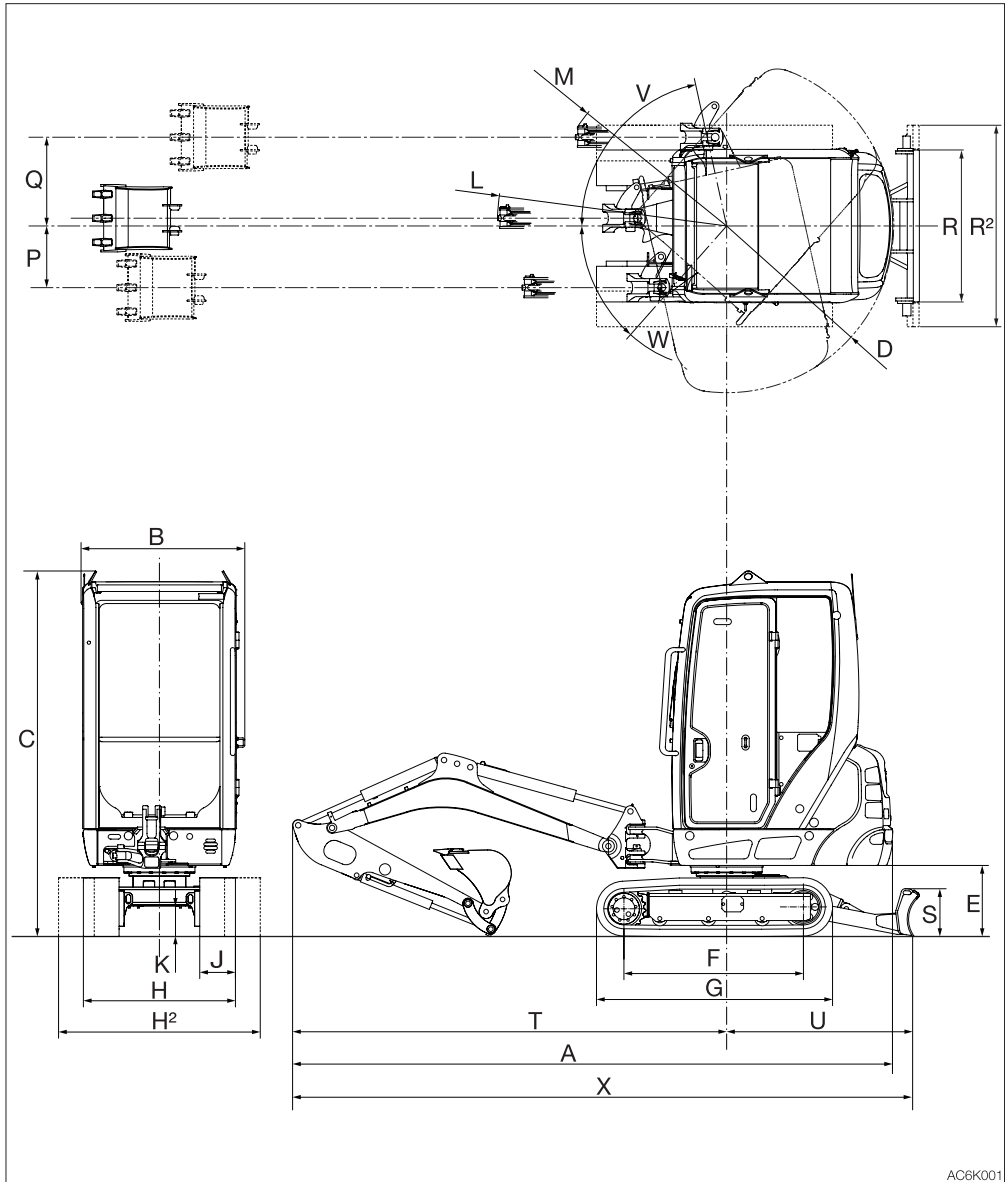
<Applicable machine models 216100002 or later>

Type		Canopy		
<b>MASS</b>				
Operating mass	kg (lb)	Rubber crawlers	1770 (3900)	
		Steel crawlers	1820 (4010)	
<b>PERFORMANCE</b>				
Bucket capacity (Standard bucket)	m <sup>3</sup> (cu. ft.)	Heaped	0.038 (1.34)	
		Struck	0.028 (0.99)	
Slew speed	min <sup>-1</sup> (rpm)		9.2 (9.2)	
Travel speed	km/h (mph)	Rubber crawlers	1st	2.2 (1.37)
			2nd	4.2 (2.61)
		Steel crawlers	1st	2.1 (1.30)
			2nd	4.0 (2.49)
Gradeability	(degrees)		15	
Ground pressure	kPa (psi)	Rubber crawlers	29.4 (4.26)	
		Steel crawlers	32.8 (4.76)	
Noise level	dB (A)	Sound power level	L <sub>WA</sub> 93	
		Emission sound pressure level at the operator's position (ISO 6396,2008:)	L <sub>pA</sub> 77	
<b>ENGINE</b>				
Manufacturer and model		Yanmar 3TNV74		
Rated output	Net (ISO 14396)	kW/min <sup>-1</sup> (hp/rpm)	11.2/2400 (15.0/2400)	
	Net (ISO 9249/ SAEJ1349)	kW/min <sup>-1</sup> (hp/rpm)	10.8/2400 (14.5/2400)	
Displacement		ml (cu.in.)	993 (60.6)	
Starter		V-kW	12-1.0	
Alternator		V-kW	12-0.48	
Battery (IEC 60095-1)		V-A·h	12-45	



# MACHINE DIMENSIONS

Cab <Applicable machine models 216000002 or later>



AC6K001



SPECIFICATIONS  
**MACHINE DIMENSIONS**

**Cab <Applicable machine models 216000002 or later>**

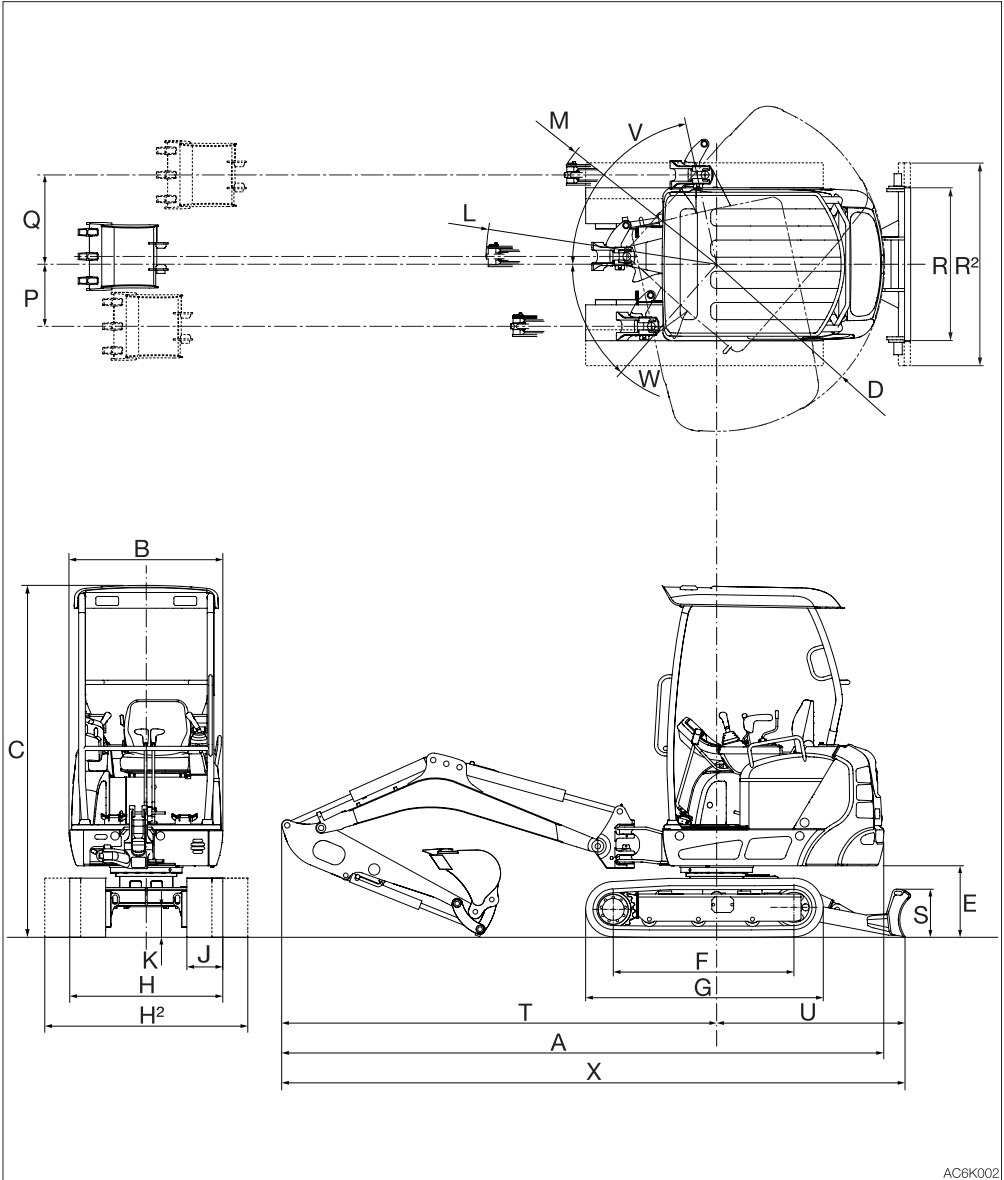
Unit: mm (inch)

	Item	Long arm		Short arm	
		Rubber crawlers	Steel crawlers	Rubber crawlers	Steel crawlers
<b>A</b>	Overall length	3870 (152.3)	←	3875 (152.6)	←
<b>B</b>	Upperstructure overall width	1055 (41.5)	←	←	←
<b>C</b>	Overall height	2360 (92.8)	2365 (93.0)	2360 (92.8)	2365 (93.0)
<b>D</b>	Slew radius	1075 (42.3)	←	←	←
<b>E</b>	Clearance height under upperstructure	460 (18.0)	465 (18.2)	460 (18.0)	465 (18.2)
<b>F</b>	Crawler base	1155 (45.6)	1135 (44.7)	1155 (45.6)	1135 (44.7)
<b>G</b>	Crawler overall length	1520 (59.9)	1505 (59.3)	1520 (59.9)	1505 (59.3)
<b>H</b>	Crawler overall width (narrow)	980 (38.6)	←	←	←
<b>H<sup>2</sup></b>	Crawler overall width (wide)	1300 (51.2)	←	←	←
<b>J</b>	Crawler shoe width	230 (9.1)	←	←	←
<b>K</b>	Ground clearance of undercarriage	205 (8.0)	210 (8.2)	205 (8.0)	210 (8.2)
<b>L</b>	Minimum radius of equipment and attachment	1480 (58.2)	←	1435 (56.6)	←
<b>M</b>	Minimum radius of equipment at maximum front offset	1155 (45.4)	←	1120 (44.1)	←
<b>P</b>	Offset distance of bucket (right swing)	400 (15.7)	←	←	←
<b>Q</b>	Offset distance of bucket (left swing)	570 (22.5)	←	←	←
<b>R</b>	Dozer blade width (narrow)	980 (38.6)	←	←	←
<b>R<sup>2</sup></b>	Dozer blade width (wide)	1300 (51.2)	←	←	←
<b>S</b>	Dozer blade height	310 (12.1)	←	←	←
<b>T</b>	Front distance to axis of rotation	2800 (110.2)	←	2805 (110.5)	←
<b>U</b>	Dozer blade distance to axis of rotation	1200 (47.2)	←	←	←
<b>V</b>	Boom swing angle (Left)	80°	←	←	←
<b>W</b>	Boom swing angle (Right)	50°	←	←	←
<b>X</b>	Overall length (dozer blade at rear)	4040 (159.1)	←	4050 (159.4)	←



SPECIFICATIONS  
**MACHINE DIMENSIONS**

### Canopy



AC6K002



## Canopy

Unit: mm (inch)

	Item	Long arm		Short arm	
		Rubber crawlers	Steel crawlers	Rubber crawlers	Steel crawlers
<b>A</b>	Overall length	3870 (152.3)	←	3875 (152.6)	←
<b>B</b>	Upperstructure overall width	985 (38.8)	←	←	←
<b>C</b>	Overall height	2280 (89.8)* 2255 (88.8)**	2285 (90.0)* 2260 (89.0)**	2280 (89.8)* 2255 (88.8)**	2285 (90.0)* 2260 (89.0)**
<b>D</b>	Slew radius	1075 (42.3)	←	←	←
<b>E</b>	Clearance height under upperstructure	460 (18.0)	465 (18.2)	460 (18.0)	465 (18.2)
<b>F</b>	Crawler base	1155 (45.6)	1135 (44.7)	1155 (45.6)	1135 (44.7)
<b>G</b>	Crawler overall length	1520 (59.9)	1505 (59.3)	1520 (59.9)	1505 (59.3)
<b>H</b>	Crawler overall width (narrow)	980 (38.6)	←	←	←
<b>H<sup>2</sup></b>	Crawler overall width (wide)	1300 (51.2)	←	←	←
<b>J</b>	Crawler shoe width	230 (9.1)	←	←	←
<b>K</b>	Ground clearance of undercarriage	205 (8.0)	210 (8.2)	205 (8.0)	210 (8.2)
<b>L</b>	Minimum radius of equipment and attachment	1480 (58.2)	←	1435 (56.6)	←
<b>M</b>	Minimum radius of equipment at maximum front offset	1155 (45.4)	←	1120 (44.1)	←
<b>P</b>	Offset distance of bucket (right swing)	400 (15.7)	←	←	←
<b>Q</b>	Offset distance of bucket (left swing)	570 (22.5)	←	←	←
<b>R</b>	Dozer blade width (narrow)	980 (38.6)	←	←	←
<b>R<sup>2</sup></b>	Dozer blade width (wide)	1300 (51.2)	←	←	←
<b>S</b>	Dozer blade height	310 (12.1)	←	←	←
<b>T</b>	Front distance to axis of rotation	2800 (110.2)	←	2805 (110.5)	←
<b>U</b>	Dozer blade distance to axis of rotation	1200 (47.2)	←	←	←
<b>V</b>	Boom swing angle (Left)	80°	←	←	←
<b>W</b>	Boom swing angle (Right)	50°	←	←	←
<b>X</b>	Overall length (dozer blade at rear)	4040 (159.1)	←	4050 (159.4)	←

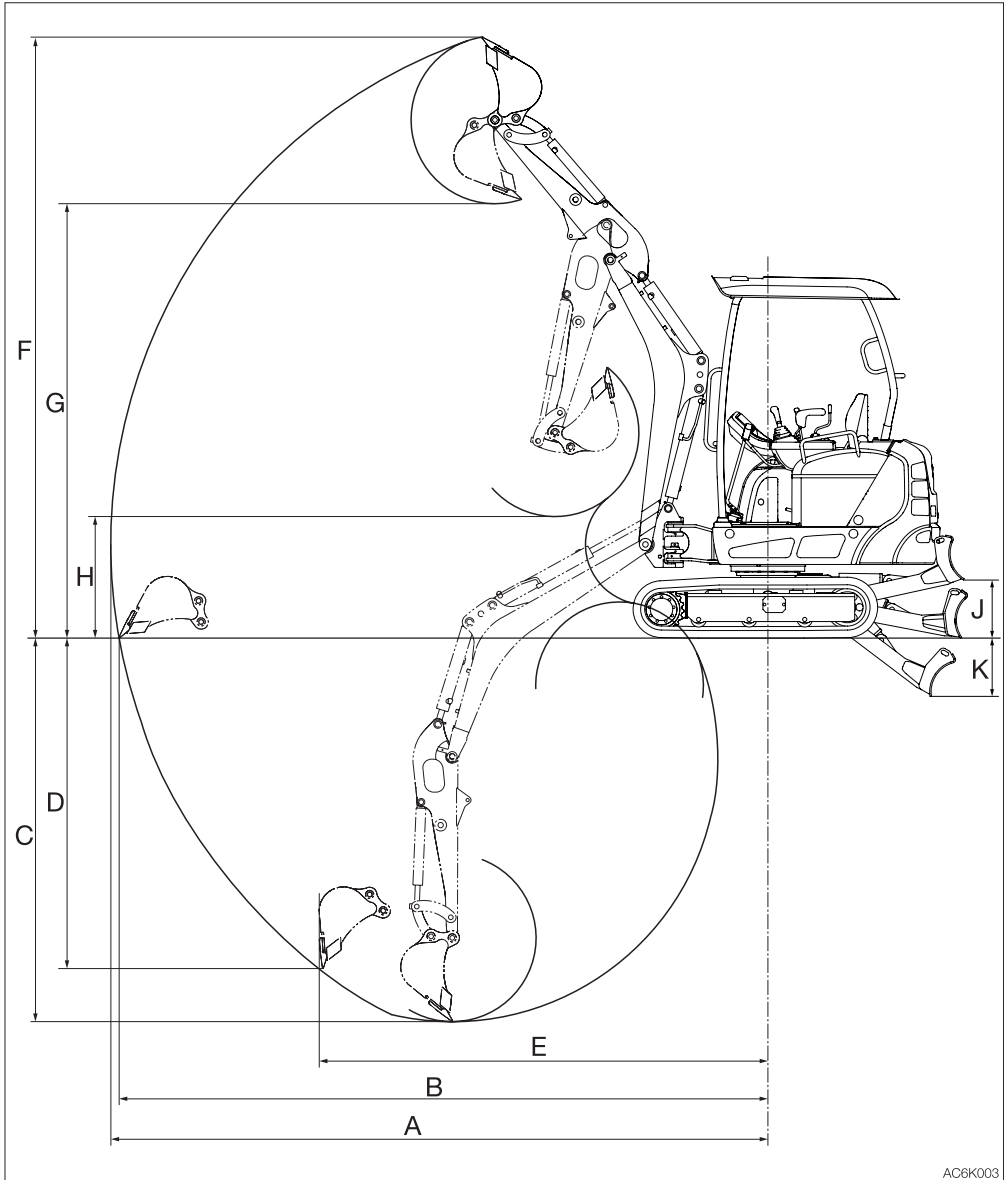
\*: Applicable machine models 216000002 or later

Applicable machine models 216100472 or later

\*\* : Applicable machine models 216100002 to 216100471



# OPERATING RANGES



AC6K003





**SPECIFICATIONS**  
**OPERATING RANGES**

**Short arm**

Unit: mm (inch)

	Item	Rubber crawlers	Steel crawlers
<b>A</b>	Maximum reach	3900 (153.6)	←
<b>B</b>	Maximum reach at ground reference plane	3845 (151.5)	←
<b>C</b>	Maximum digging depth	2190 (86.1)	2185 (85.9)
<b>D</b>	Maximum vertical digging depth	1870 (73.5)	1865 (73.3)
<b>E</b>	Reach at maximum vertical digging depth	2735 (107.7)	←
<b>F</b>	Maximum height of cutting edge	3590 (141.3)	3595 (141.5)
<b>G</b>	Maximum dumping height	2550 (100.5)	2555 (100.7)
<b>H</b>	Minimum dumping height	955 (37.6)	960 (37.8)
<b>J</b>	Dozer blade maximum lifting	360 (14.2)	365 (14.4)
<b>K</b>	Dozer blade maximum lowering	365 (14.3)	360 (14.1)

**Long arm**

Unit: mm (inch)

	Item	Rubber crawlers	Steel crawlers
<b>A</b>	Maximum reach	4090 (160.9)	←
<b>B</b>	Maximum reach at ground reference plane	4035 (158.9)	←
<b>C</b>	Maximum digging depth	2390 (94.0)	2385 (93.8)
<b>D</b>	Maximum vertical digging depth	2060 (81.0)	2055 (80.8)
<b>E</b>	Reach at maximum vertical digging depth	2790 (109.9)	←
<b>F</b>	Maximum height of cutting edge	3740 (147.3)	3745 (147.5)
<b>G</b>	Maximum dumping height	2705 (106.5)	2710 (106.7)
<b>H</b>	Minimum dumping height	755 (29.8)	760 (30.0)
<b>J</b>	Dozer blade maximum lifting	360 (14.2)	365 (14.4)
<b>K</b>	Dozer blade maximum lowering	365 (14.3)	360 (14.1)

# MEMO

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## LIFTING CAPACITIES

### Rated lift capacity chart

- The loads in the charts do not exceed 87% of hydraulic lift capacity or 75% of tipping load.
- Figures marked with an asterisk (\*) are hydraulically-limited capacities.
- The mass of slings and any other lifting devices shall be deducted from the rated load to determine the net load that may be lifted.
- The load point is the bucket hinge pin, and the bucket posture is with the standard bucket completely retracted under the arm.
- Unit: daN (lbs)

### Load hooking system

A load hooking system must be provided with the following capabilities.

1. A system which can withstand twice the rated lift capacity no matter at what position the load is applied.
2. A system that poses no risk of the lifted load falling from the hooking device. For example, equipped with a hook slippage prevention device.
3. A system that poses no risk of the hooking system slipping from the hoe attachment.

### **WARNING**

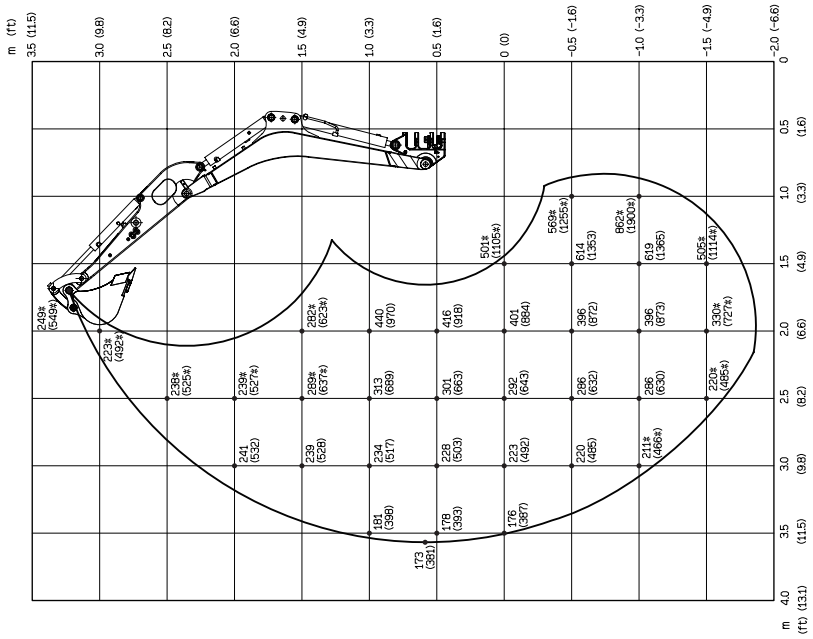
- Do not attempt to lift or hold any load that is greater than these rated values at their specified load radii and height.
- The rated lift capacities are based on the machine being level and situated on a firm supporting surface. For safe lifting, the operator is expected to make due allowance for the particular job conditions such as soft or uneven ground, non-level condition, load to the machine sides, hazardous conditions, experience of personnel, etc. The operator and other personnel should fully acquaint themselves with the operator's manual furnished by the manufacturer before operating this machine. When operating the machine, the safety rules of the equipment must also be followed.
- Do not travel while lifting a load; It is very dangerous.



SPECIFICATIONS  
**LIFTING CAPACITIES**

Long arm <Cab>

Over Front ; Dozer Blade Up



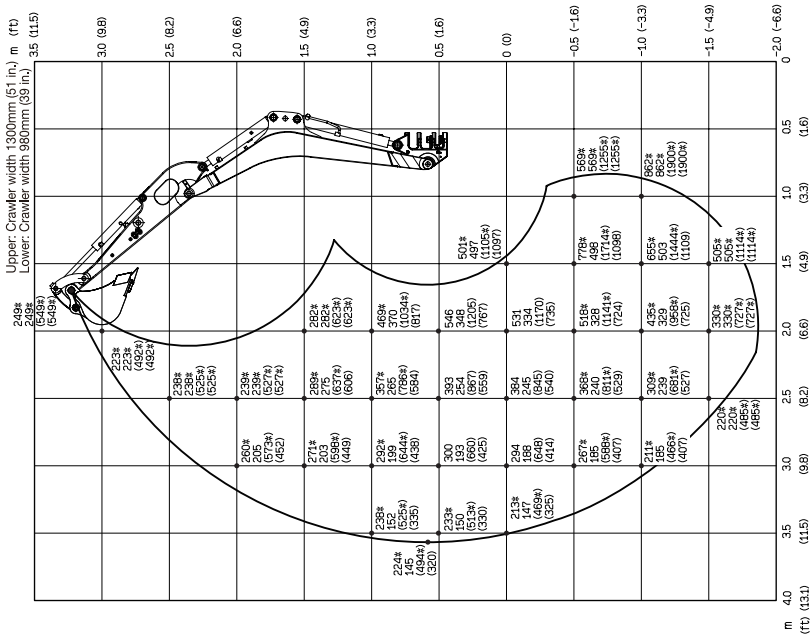
Units: daN(lbs.)



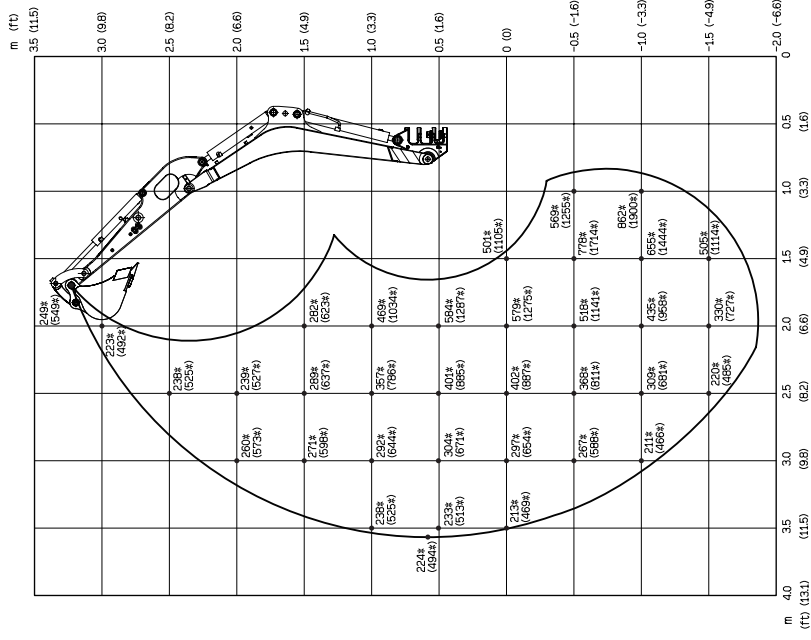
SPECIFICATIONS  
LIFTING CAPACITIES

Long arm <Cab>

Over Side



Over Rear



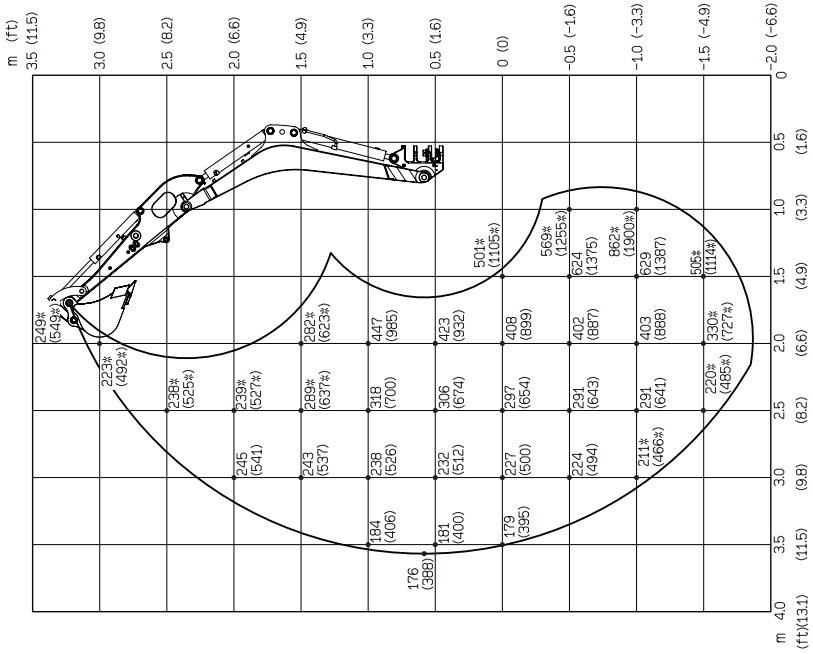
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SPECIFICATIONS  
LIFTING CAPACITIES

Long arm <Canopy>

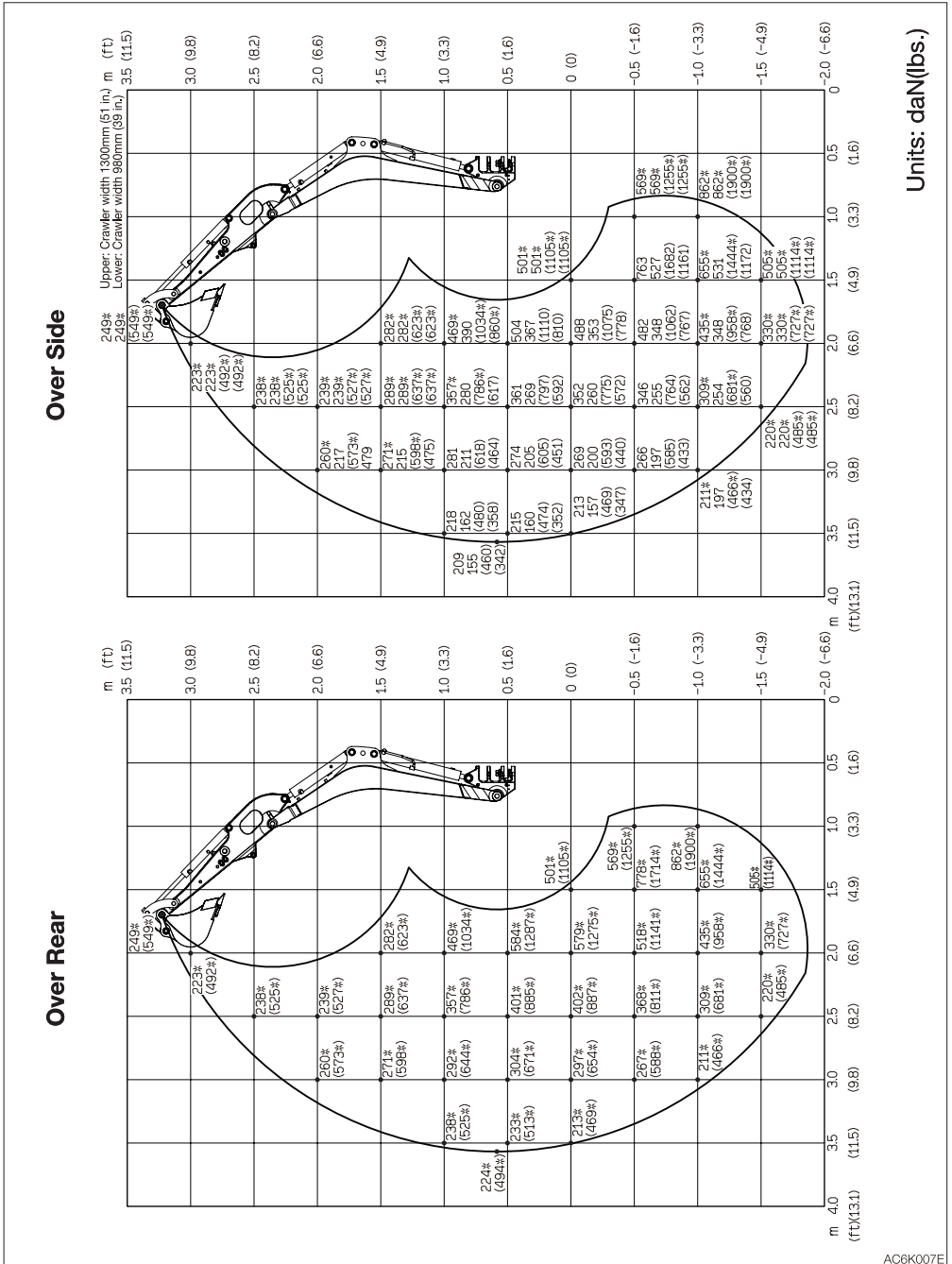
Over Front ; Dozer Blade Up



Units: daN(lbs.)



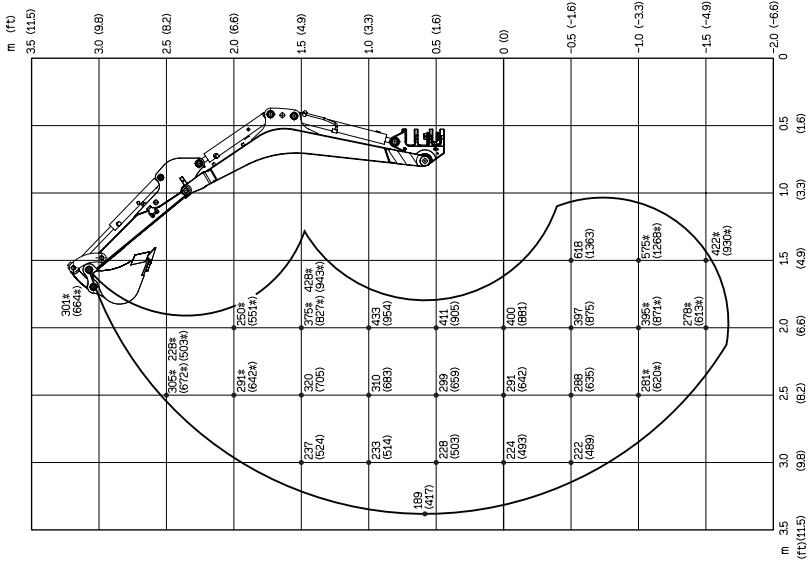
Long arm <Canopy>





Short arm <Cab>

Over Front ; Dozer Blade Up



Units: daN(lbs.)

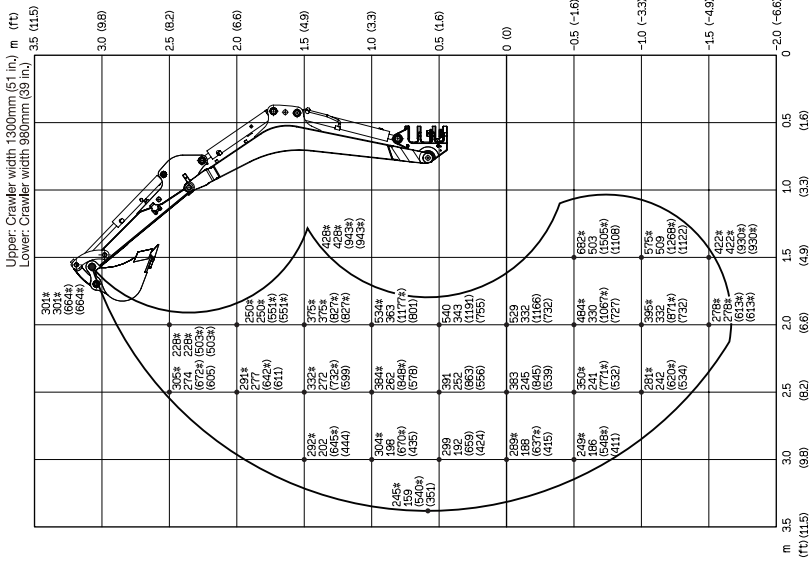




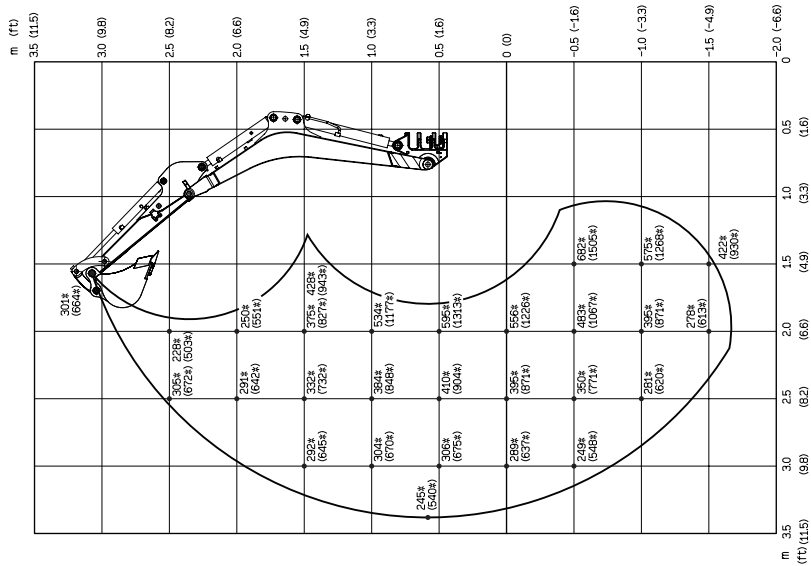
SPECIFICATIONS  
LIFTING CAPACITIES

Short arm <Cab>

Over Side



Over Rear



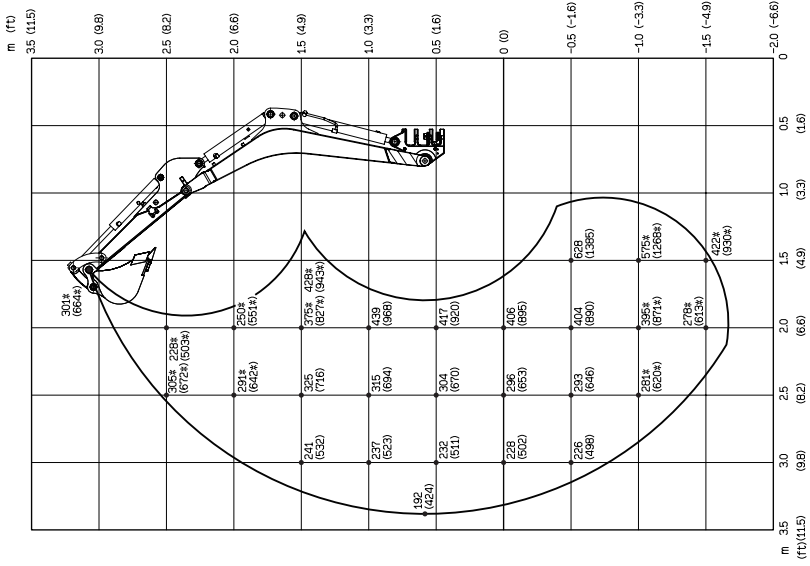
Units: daN(lbs.)



SPECIFICATIONS  
LIFTING CAPACITIES

Short arm <Canopy>

Over Front ; Dozer Blade Up

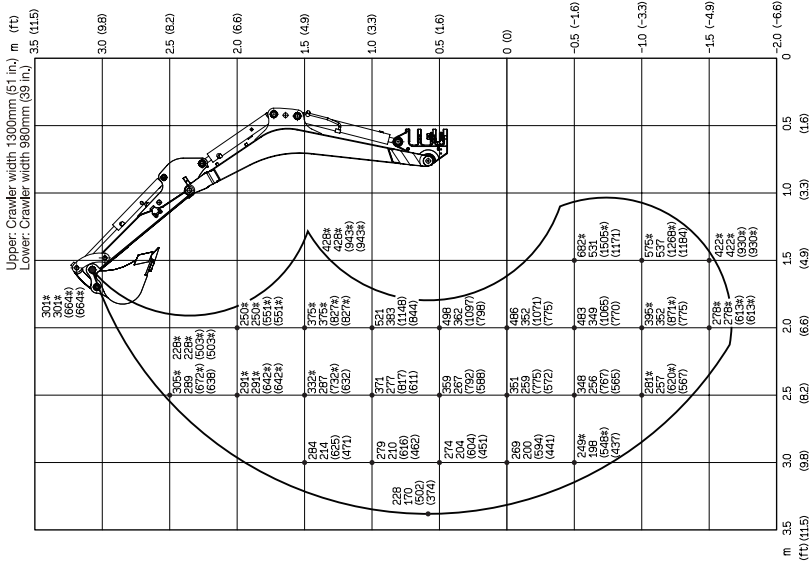


Units: daN(lbs.)

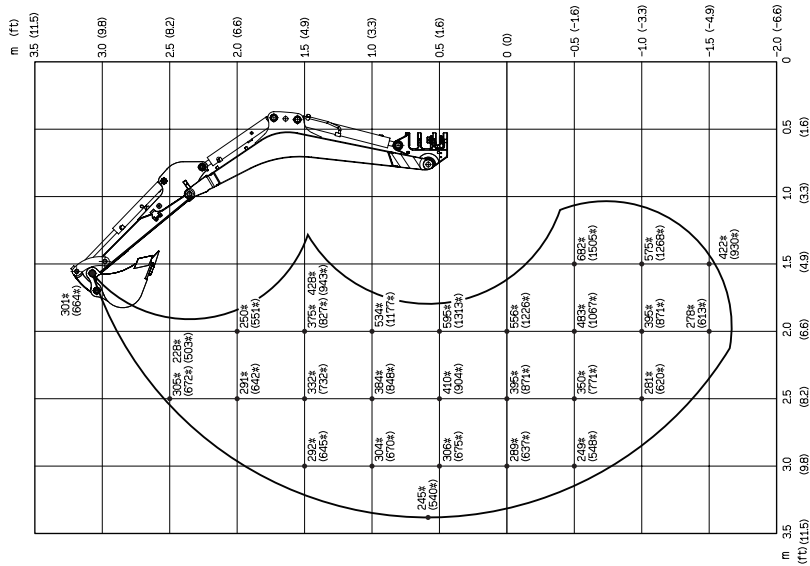


Short arm <Canopy>

Over Side



Over Rear



Units: daN(lbs.)

