

SPECIFICATIONS





BASIC SPECIFICATIONS

<Applicable machine models 124000003 or later>

Type		Canopy	Cab	
MASS				
Operating mass	kg (lb)	Rubber crawlers	3880 (8555)	4070 (8975)
		Steel crawlers	3985 (8785)	4175 (9205)
PERFORMANCE				
Bucket capacity (Standard bucket)	m ³ (cu. ft.)	Heaped	0.12 (4.24)	
		Struck	0.09 (3.18)	
Slew speed	min ⁻¹ (rpm)	9.6 (9.6)		
Travel speed	km/h (mph)	Rubber crawlers	1st	2.9 (1.8)
			2nd	5.3 (3.29)
		Steel crawlers	1st	2.6 (1.62)
			2nd	4.8 (2.98)
Gradeability	(degrees)	30		
Ground pressure	kPa (psi)	Rubber crawlers	30.1 (4.63)	31.6 (4.58)
		Steel crawlers	31.4 (4.55)	32.9 (4.77)
Noise level dB (A)	Sound power level		L _{WA} 96	
	Emission sound pressure level at the operator's position (ISO 6396,2008:)		L _{pA} 76	
ENGINE				
Manufacturer and model		Yanmar 4TNV88C- STB 1	Yanmar 4TNV88C- STB	
Rated output	Net (ISO 14396)	kW/min ⁻¹ (hp/rpm)	26.7/2200 (36.3/2200)	
	Net (ISO 9249/ SAEJ1349)	kW/min ⁻¹ (hp/rpm)	25.3/2200 (34.4/2200)	
Displacement	ml (cu.in.)		2189 (133.6)	
Starter	V-kW		12-2.3	
Alternator	V-kW		12-0.66	
Battery (IEC 60095-1)	V-A·h		12-80/12-90*	

*: Applicable machine models 124001823 or later



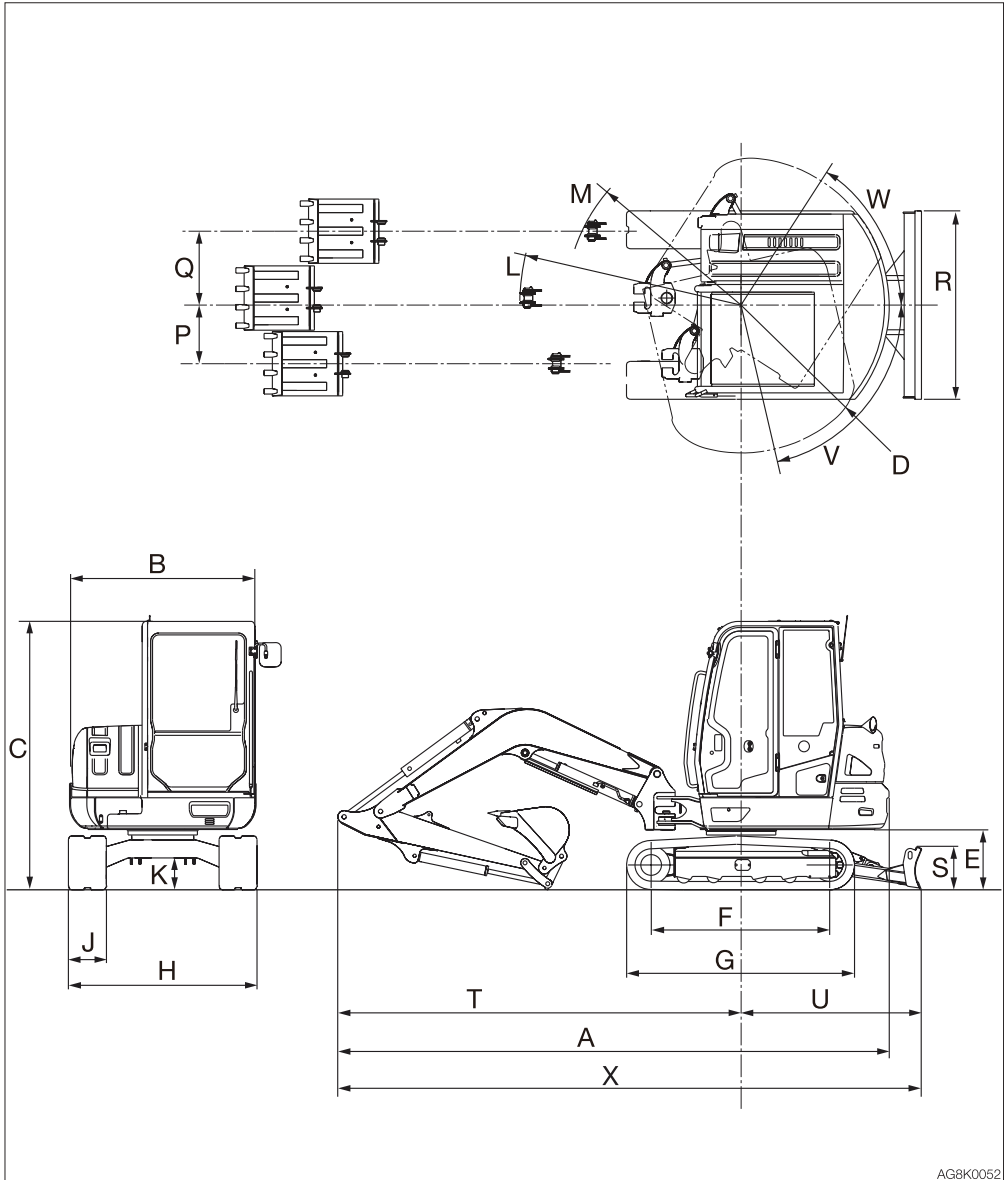
SPECIFICATIONS
BASIC SPECIFICATIONS

<Applicable machine models 124100002 or later>

Type		Canopy	Cab	
MASS				
Operating mass	kg (lb)	Rubber crawlers	3825 (8433)	4015 (8851)
		Steel crawlers	3930 (8664)	4120 (9083)
PERFORMANCE				
Bucket capacity (Standard bucket)	m ³ (cu. ft.)	Heaped	0.12 (4.24)	
		Struck	0.09 (3.18)	
Slew speed	min ⁻¹ (rpm)	9.6 (9.6)		
Travel speed	km/h (mph)	Rubber crawlers	1st	2.9 (1.8)
			2nd	5.3 (3.29)
		Steel crawlers	1st	2.6 (1.62)
			2nd	4.8 (2.98)
Gradeability	(degrees)	30		
Ground pressure	kPa (psi)	Rubber crawlers	29.7 (4.31)	31.1 (4.51)
		Steel crawlers	31.2 (4.52)	32.7 (4.74)
Noise level dB (A)	Sound power level		L _{WA} 96	
	Emission sound pressure level at the operator's position (ISO 6396,2008:)		L _{pA} 73	
ENGINE				
Manufacturer and model		Yanmar 4TNV88- ZSTB1	Yanmar 4TNV88-ZSTB	
Rated output	Net (ISO 14396)	kW/min ⁻¹ (hp/rpm)	27.2/2200 (37.0/2200)	
	Net (ISO 9249/ SAEJ1349)	kW/min ⁻¹ (hp/rpm)	26.0/2200 (35.4/2200)	
Displacement	ml (cu.in.)		2189 (133.6)	
Starter	V-kW		12-2.3	
Alternator	V-kW		12-0.66	
Battery (IEC 60095-1)	V-A·h		12-80	



MACHINE DIMENSIONS



AG8K0052



SPECIFICATIONS
MACHINE DIMENSIONS

Unit: mm (inch)

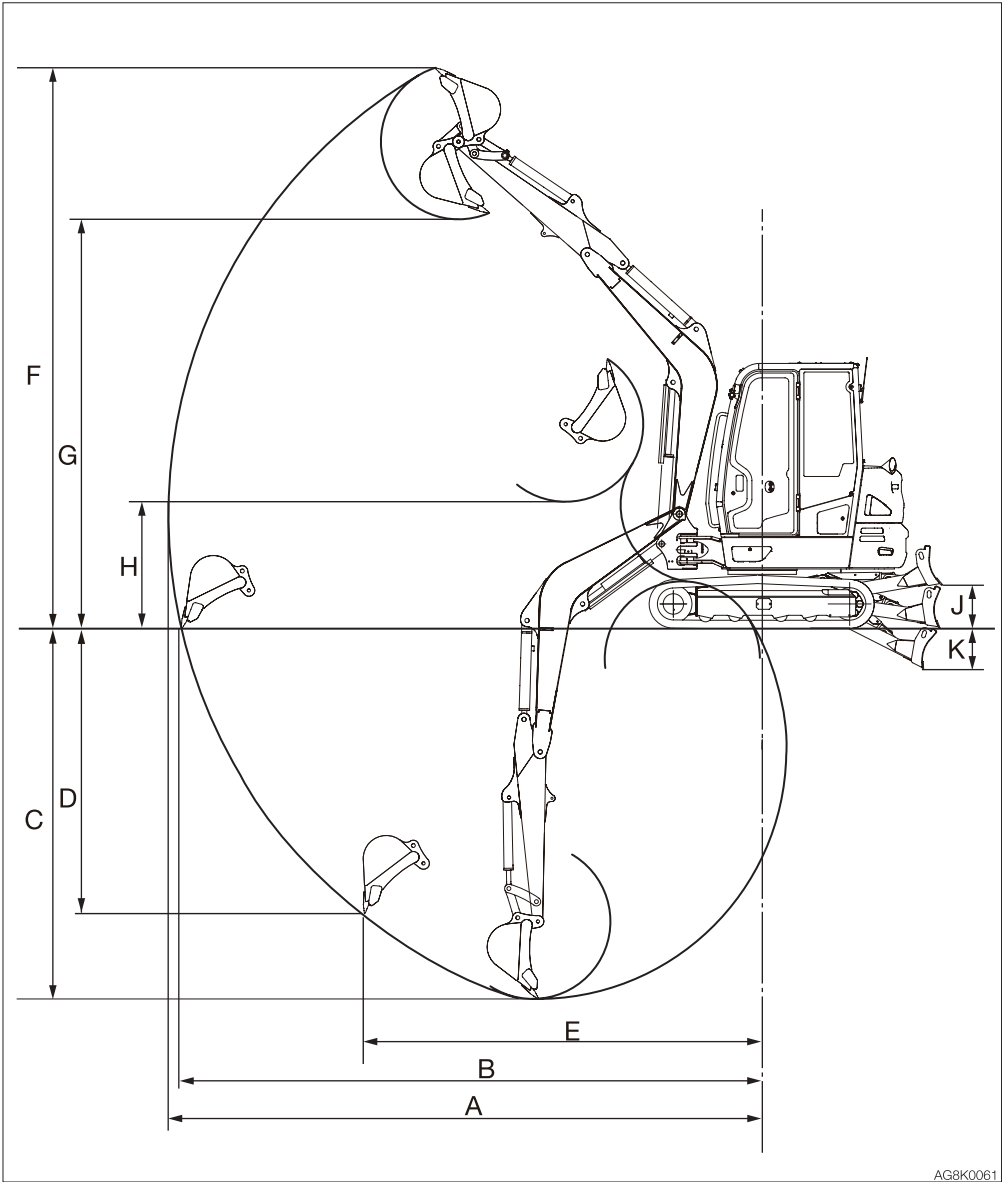
	Item	Middle arm	Long arm	
		Rubber crawlers	Rubber crawlers	Steel crawlers
A	Overall length	5065 (199.4)	5085 (200.2)	5080 (200)
B	Upperstructure overall width	1720 (67.7)	←	←
C	Overall height	2490 (98)	2490 (98) 2505 (98.6)**	2505 (98.6) 2520 (99.2)**
D	Slew radius	1365 (53.7)	←	←
E	Clearance height under upperstructure	570 (22.4)	←	565 (22.2)
F	Crawler base	1645 (64.8)	←	1595 (62.8)
G	Crawler overall length	2105 (82.9)	←	2070 (81.5)
H	Crawler overall width	1740 (68.5)	←	←
J	Crawler shoe width	350 (13.8)	←	←
K	Ground clearance of undercarriage	295 (11.6)	←	290 (11.4)
L	Minimum radius of equipment and attachment	2020 (79.5)	2040 (80.3)	←
M	Minimum radius of equipment at maximum front offset	1600 (63)	1620 (63.8)	←
P	Offset distance of bucket (right swing)	540 (21.3)	←	←
Q	Offset distance of bucket (left swing)	680 (26.8)	←	←
R	Dozer blade width	1740 (68.5)	←	←
S	Dozer blade height	395 (15.6)	395 (15.6) 400 (15.7)*	←
T	Front distance to axis of rotation	3700 (145.7)	3720 (146.5)	3715 (146.3)
U	Dozer blade distance to axis of rotation	1650 (65)	1650 (65) 1655 (65.2)*	←
V	Boom swing angle (Left)	77°	←	←
W	Boom swing angle (Right)	57°	←	←
X	Overall length (dozer blade at rear)	5365 (211.2)	5380 (211.8) 5390 (212.2)*	5380 (211.8) 5385 (212)*

*: With an angle dozer blade

** : Canopy



OPERATING RANGES





SPECIFICATIONS
OPERATING RANGES

Unit: mm (inch)

	Item	Middle arm	Long arm	
		Rubber crawlers	Rubber crawlers	Steel crawlers
A	Maximum reach	5405 (212.8)	5545 (218.3)	←
B	Maximum reach at ground reference plane	5280 (207.9)	5425 (213.6)	←
C	Maximum digging depth	3315 (130.5)	3465 (136.4)	←
D	Maximum vertical digging depth	2525 (99.4)	2665 (104.9)	2670 (105.1)
E	Reach at maximum vertical digging depth	3680 (144.9)	3725 (146.7)	←
F	Maximum height of cutting edge	5145 (202.6)	5245 (206.5)	5240 (206.3)
G	Maximum dumping height	3725 (146.7)	3825 (150.6)	←
H	Minimum dumping height	1335 (52.6)	1185 (46.7)	1180 (46.5)
J	Dozer blade maximum lifting	405 (15.9) 410 (16.1)*	←	400 (15.8) 405 (15.9)*
K	Dozer blade maximum lowering	385 (15.2)	←	390 (15.3)

*: With an angle dozer blade

MEMO



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.

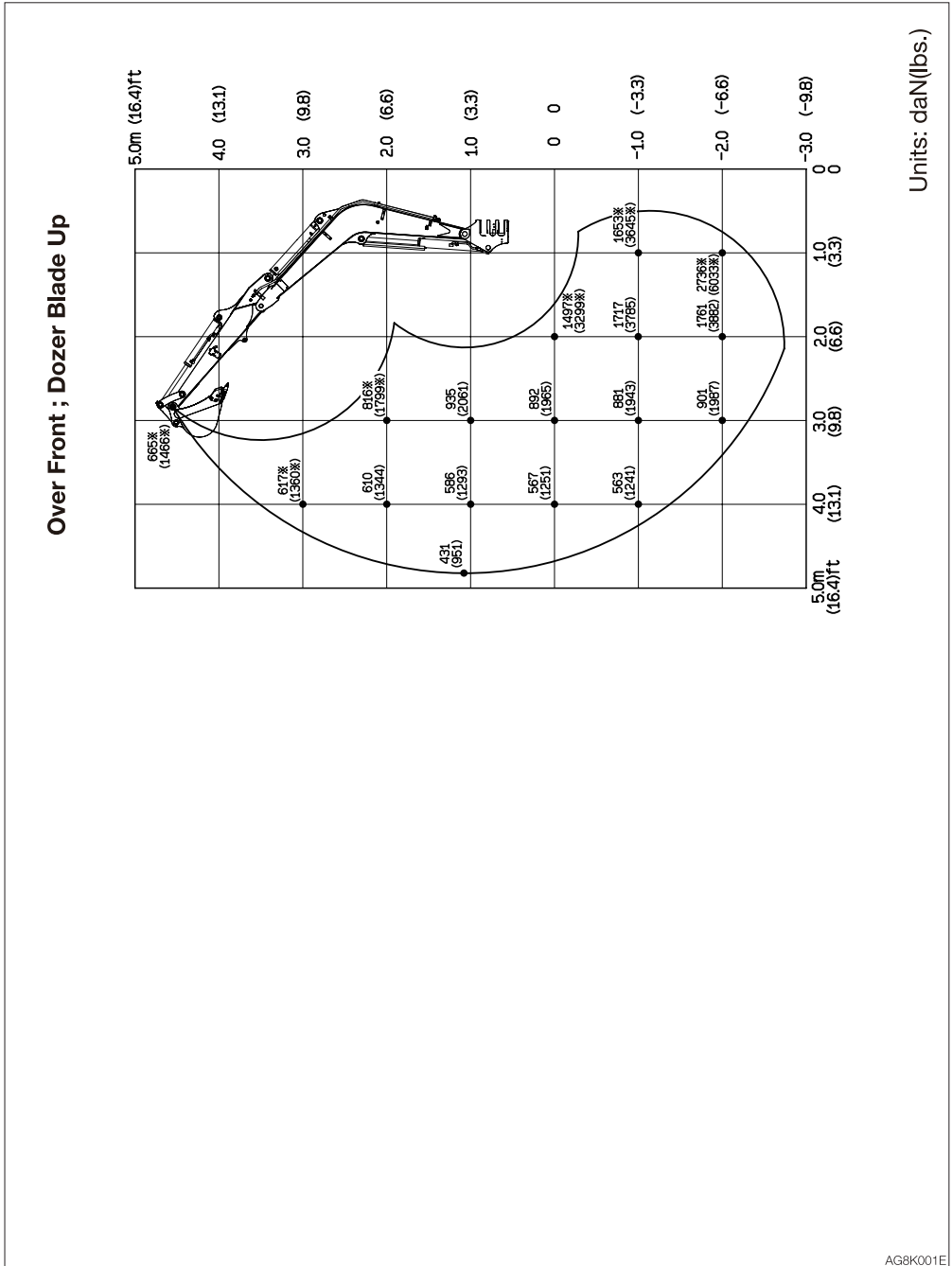
WARNING

- 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

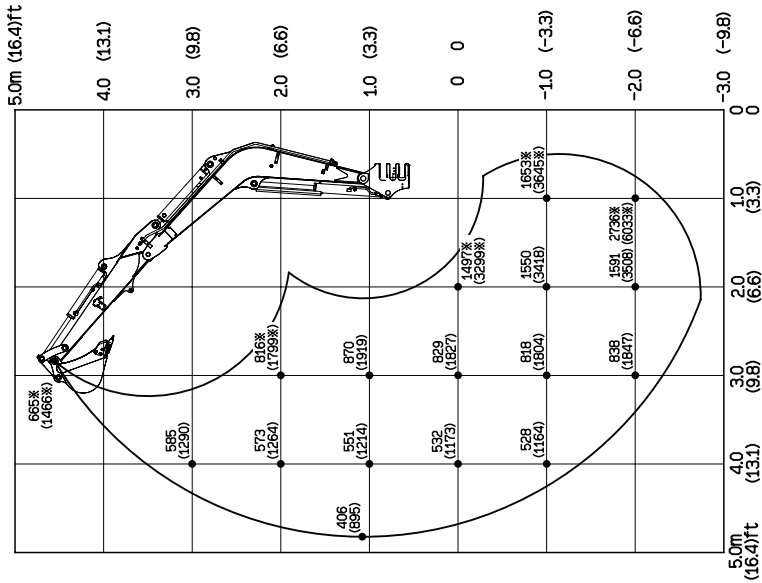
<Cab> Long arm (Applicable machine models 124000003 or later)



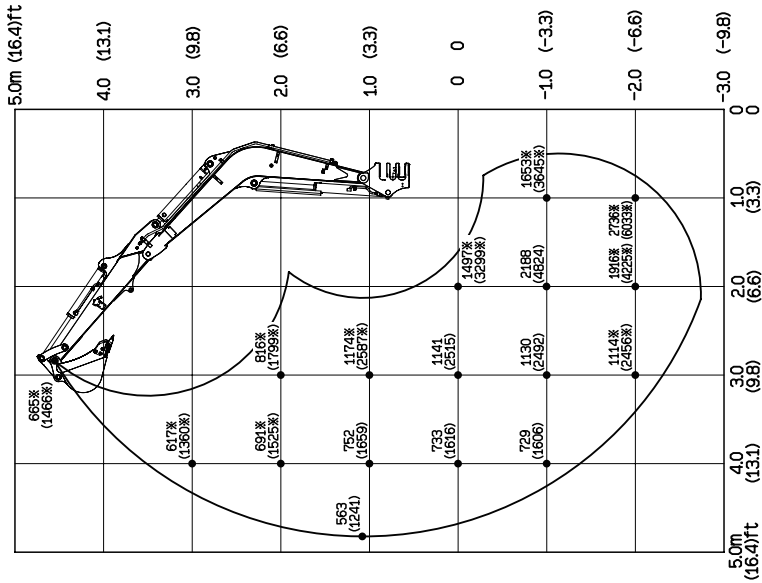


<Cab> Long arm (Applicable machine models 124000003 or later)

Over Side



Over Rear

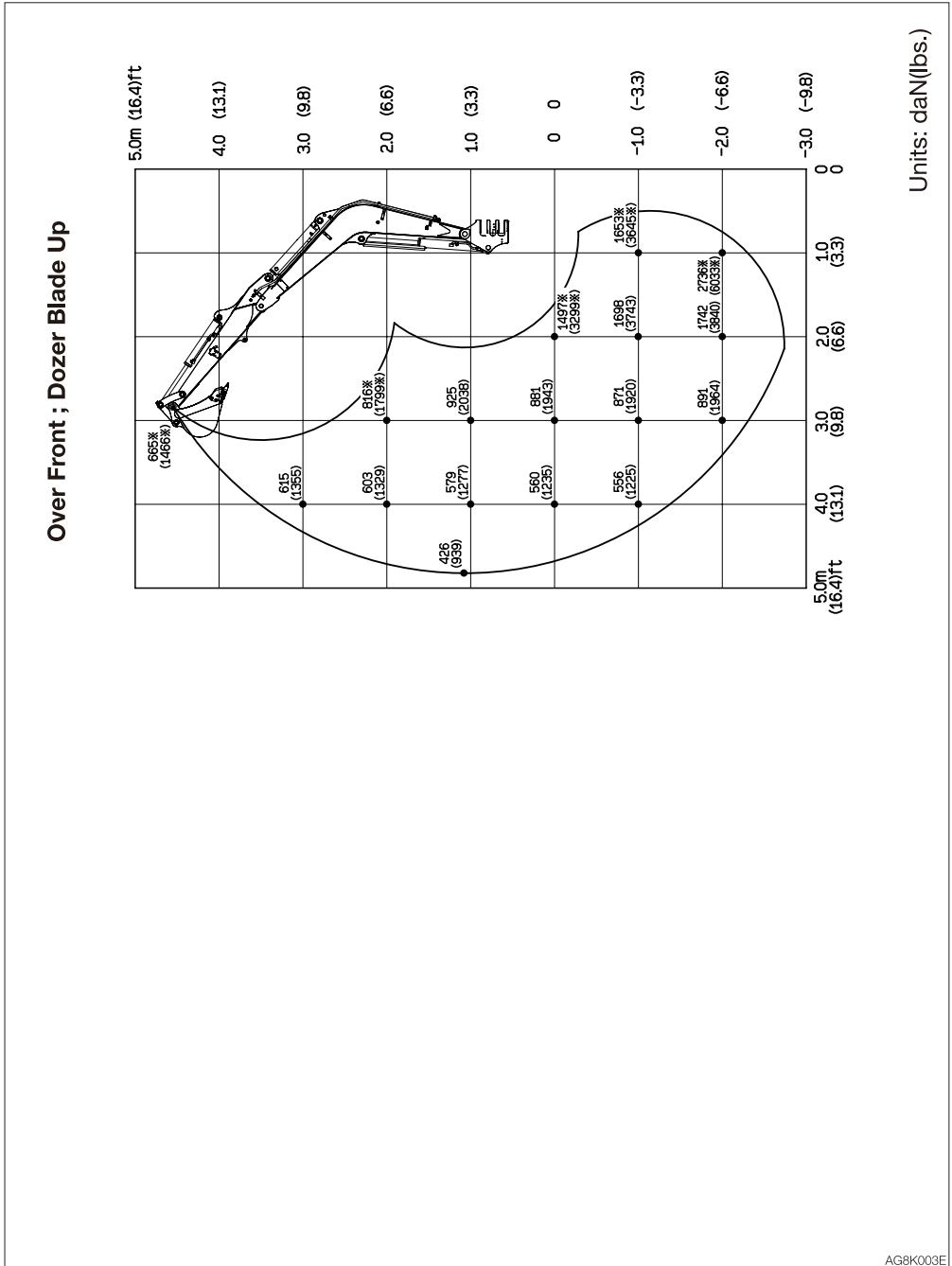


Units: daN(lbs.)



SPECIFICATIONS
LIFTING CAPACITIES

<Canopy> Long arm (Applicable machine models 124000003 or later)

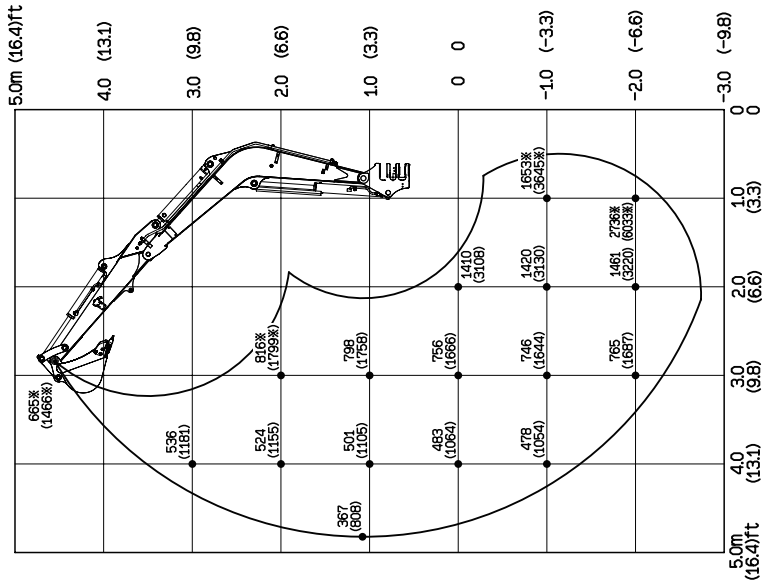




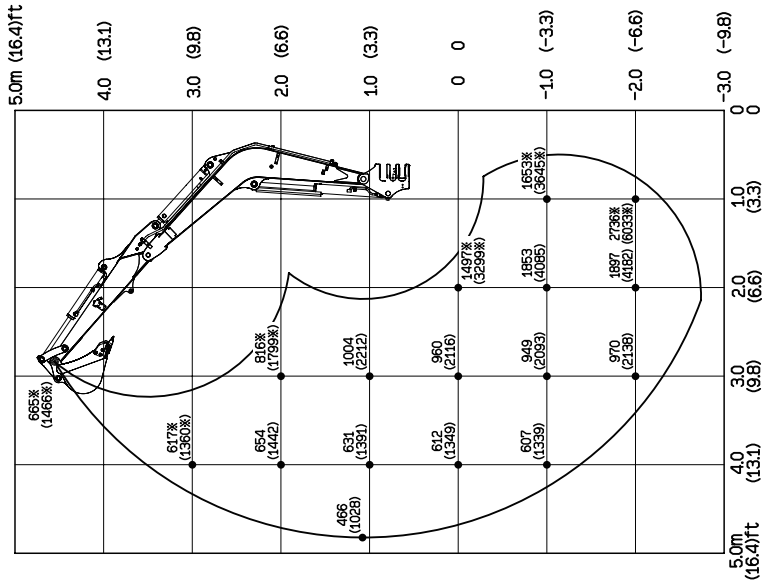
SPECIFICATIONS
LIFTING CAPACITIES

<Canopy> Long arm (Applicable machine models 124000003 or later)

Over Side



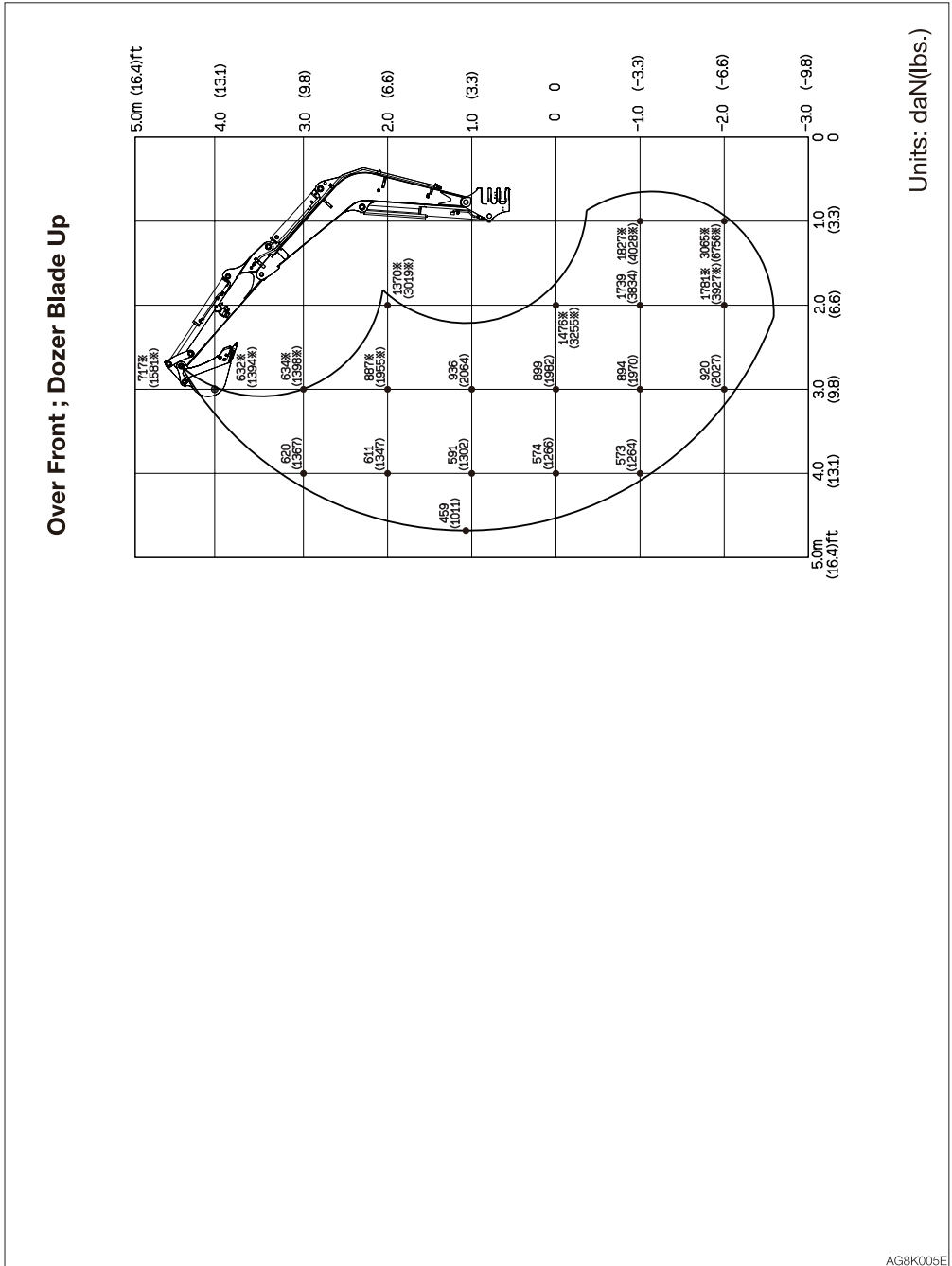
Over Rear



Units: daN(lbs.)



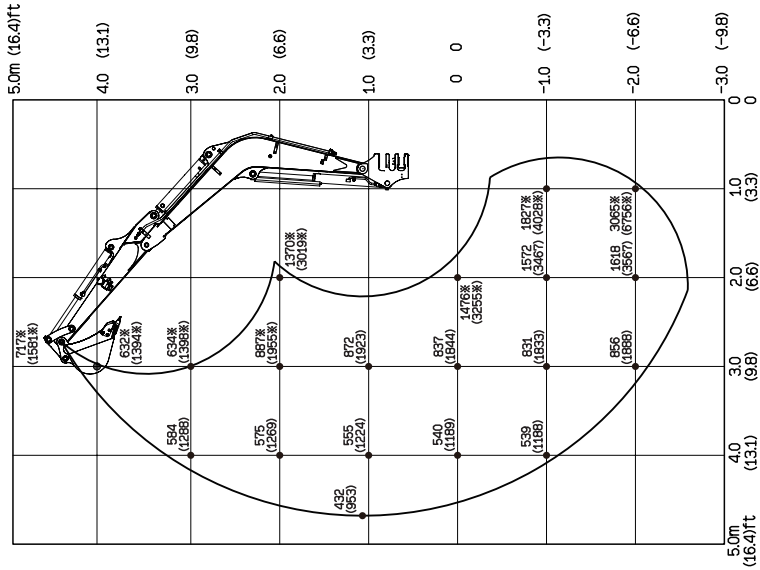
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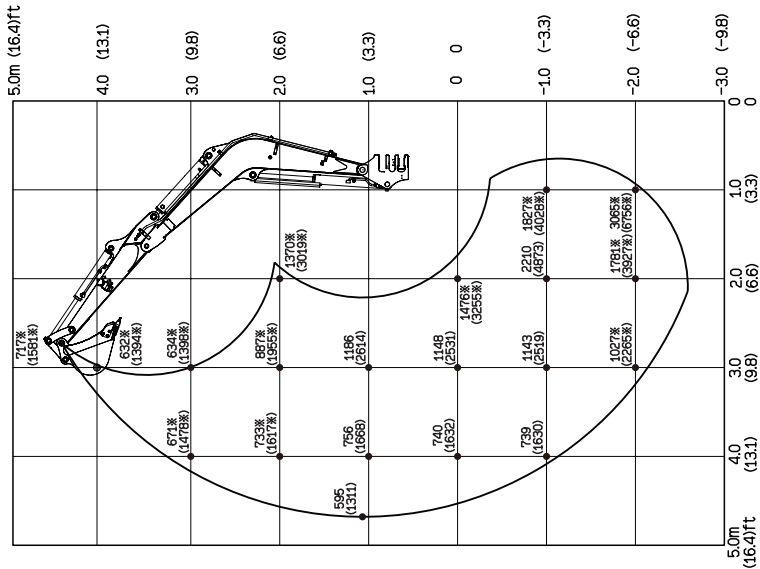


<Cab> Middle arm (Applicable machine models 124000003 or later)

Over Side



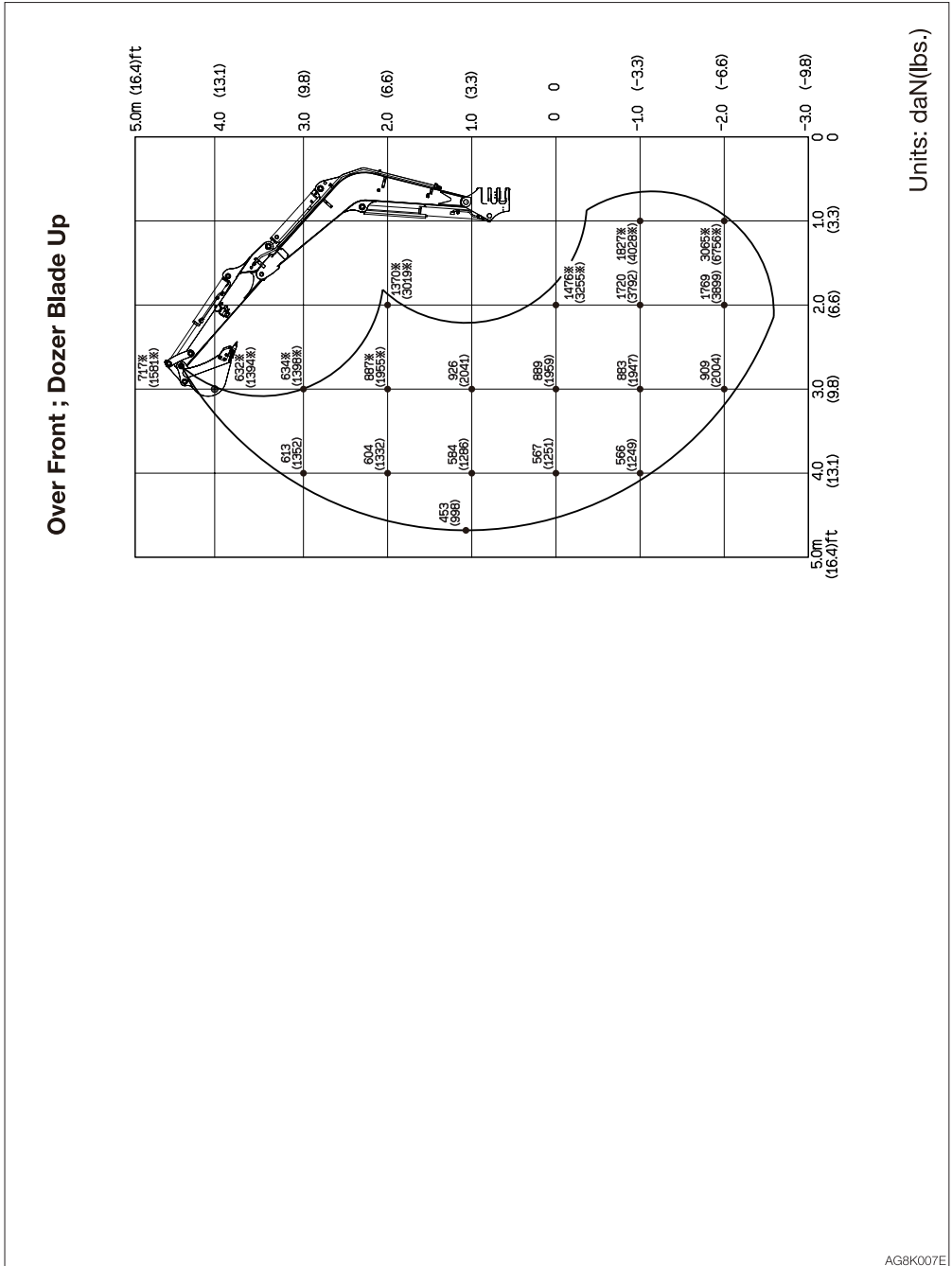
Over Rear



Units: daN(lbs.)



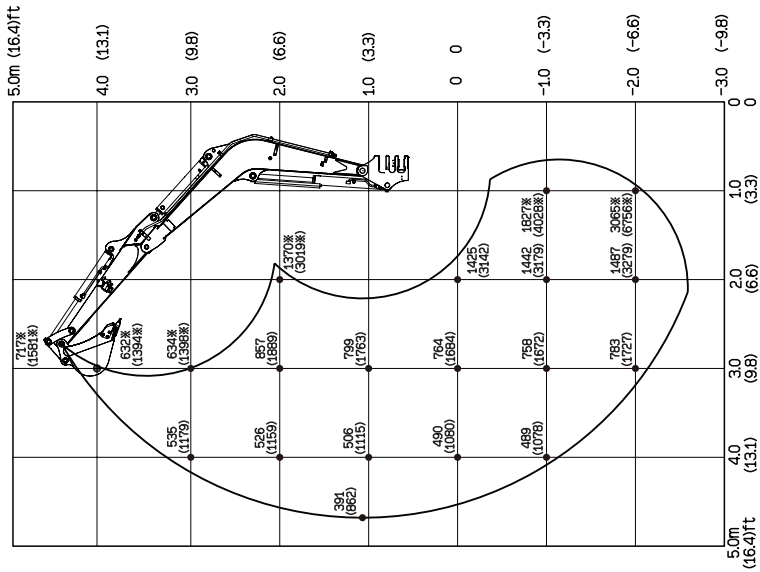
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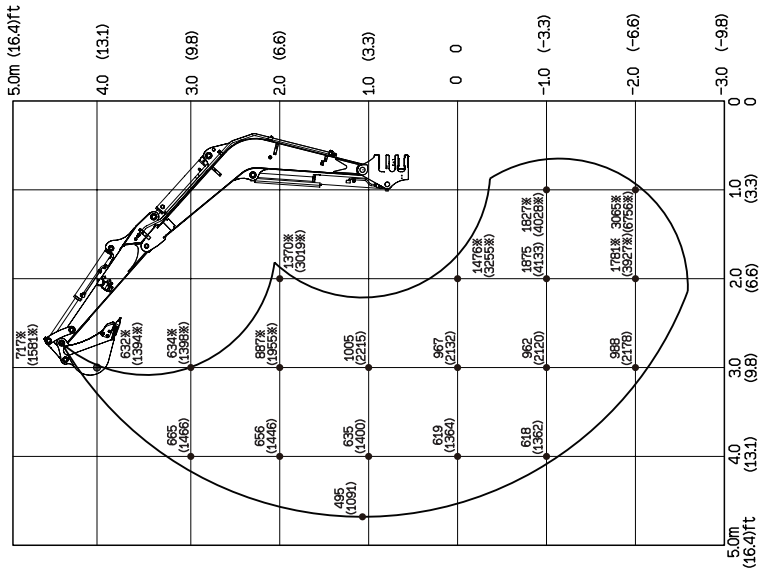


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Over Side



Over Rear

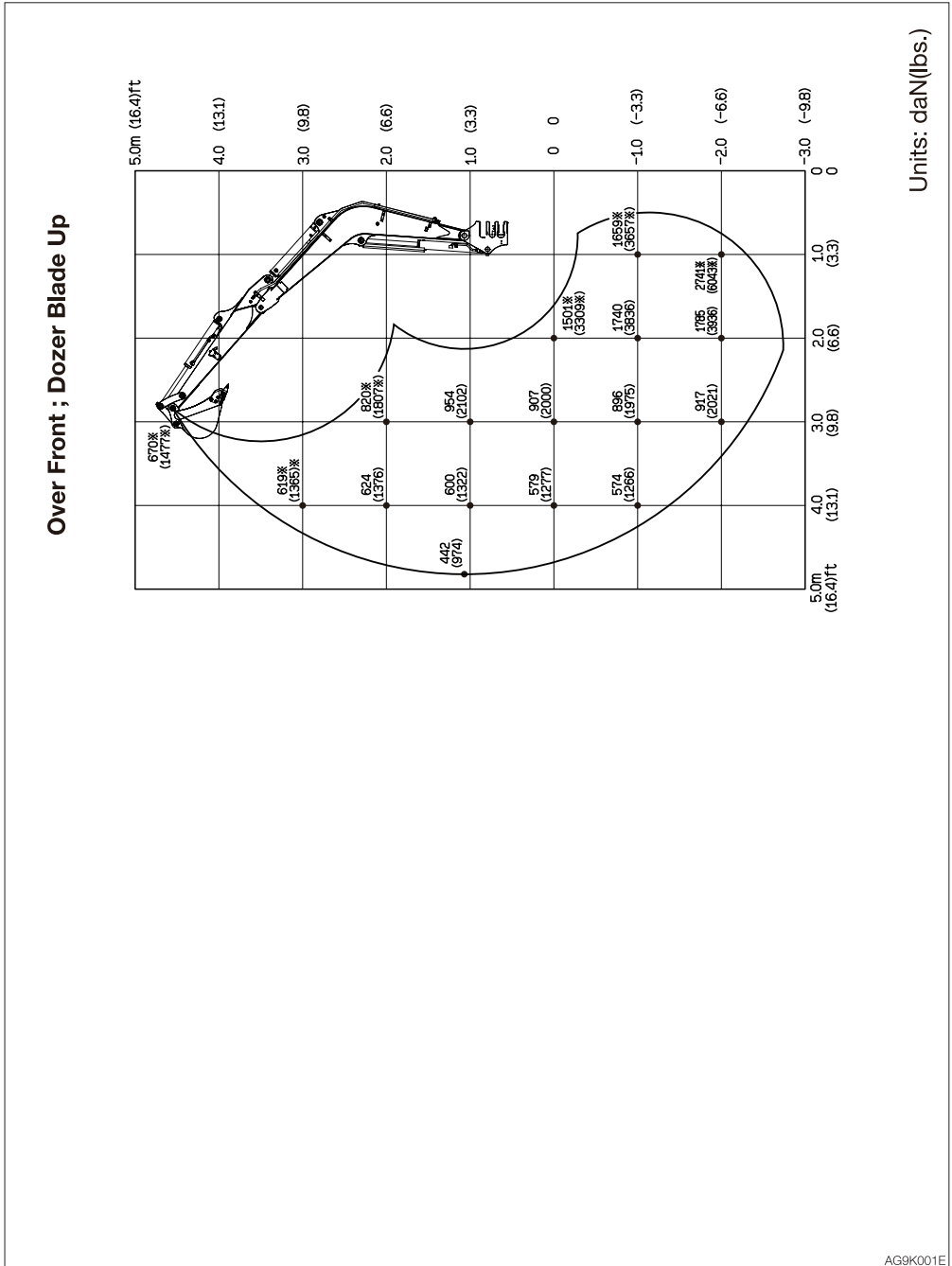


Units: daN(lbs.)



SPECIFICATIONS
LIFTING CAPACITIES

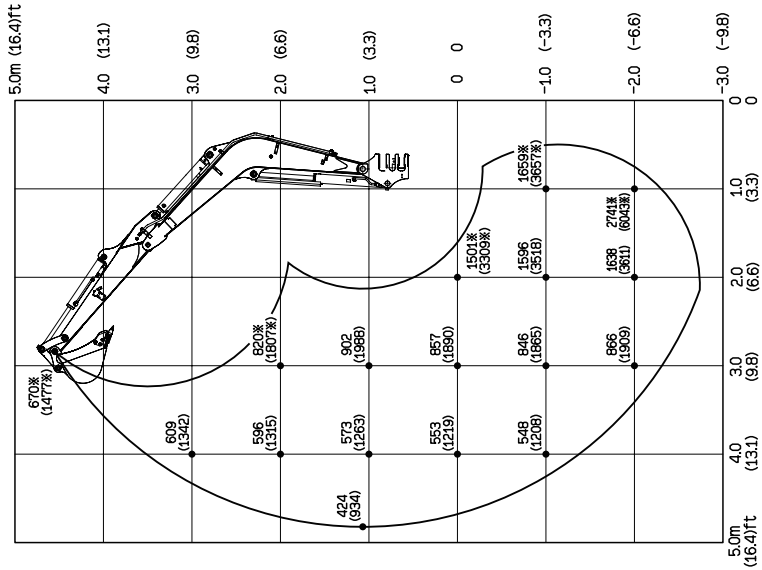
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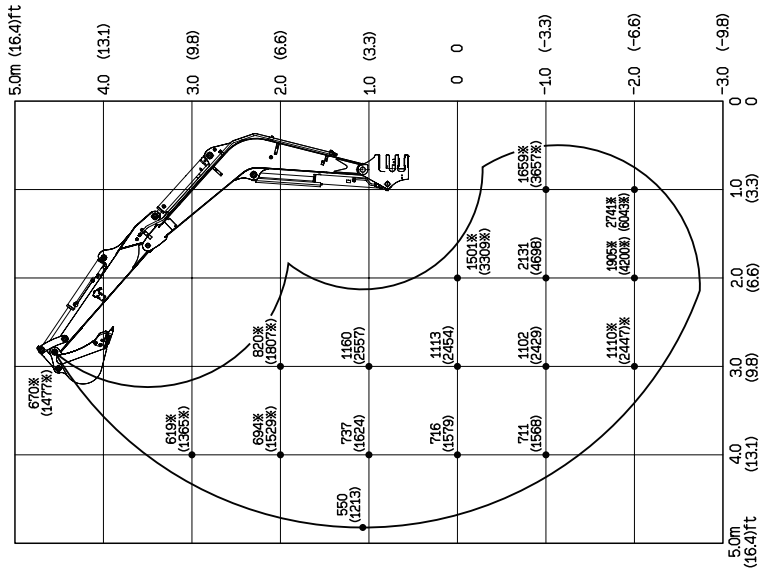


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Over Side



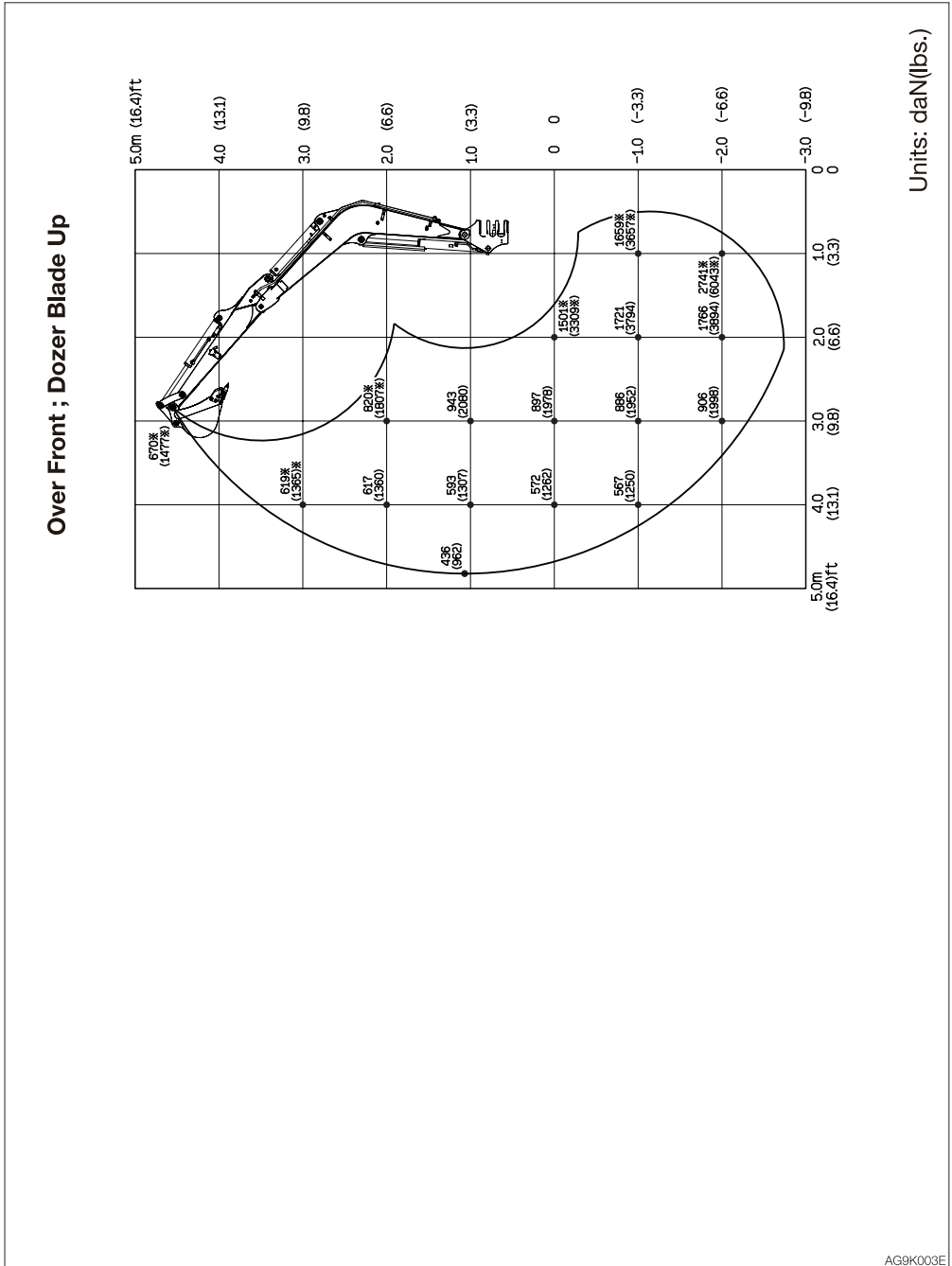
Over Rear



Units: daN(lbs.)



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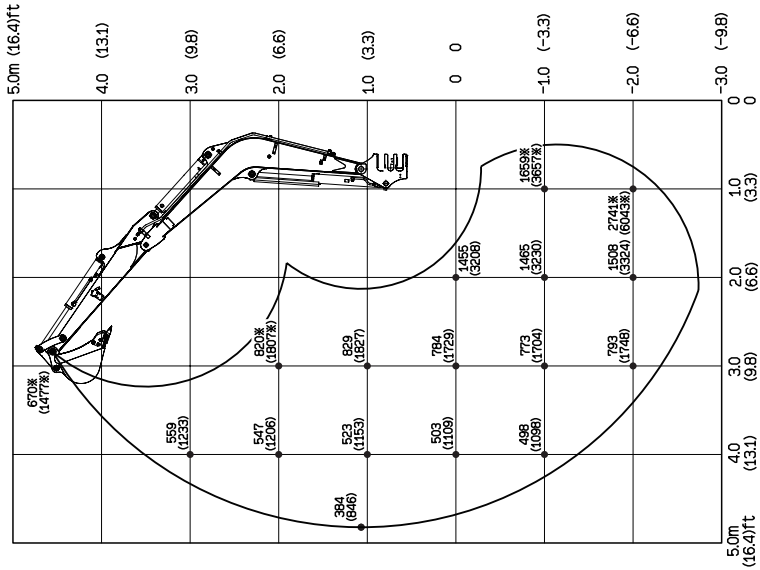




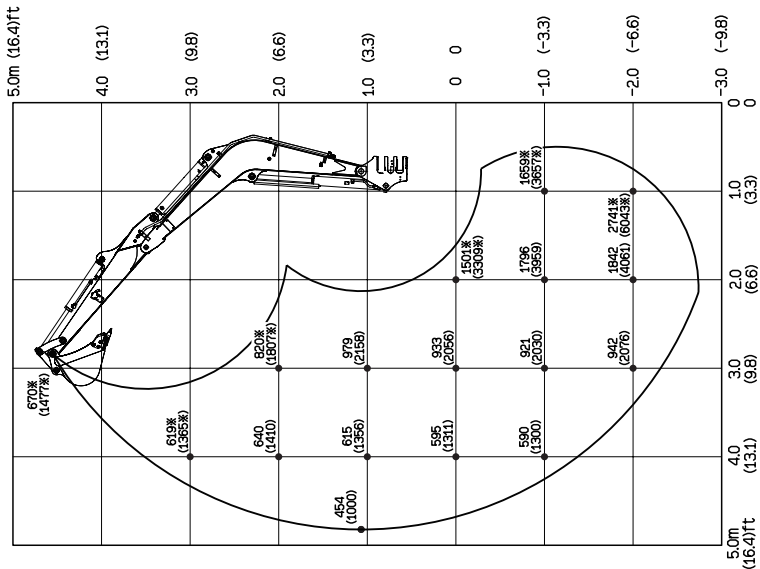
SPECIFICATIONS
LIFTING CAPACITIES

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Over Side



Over Rear

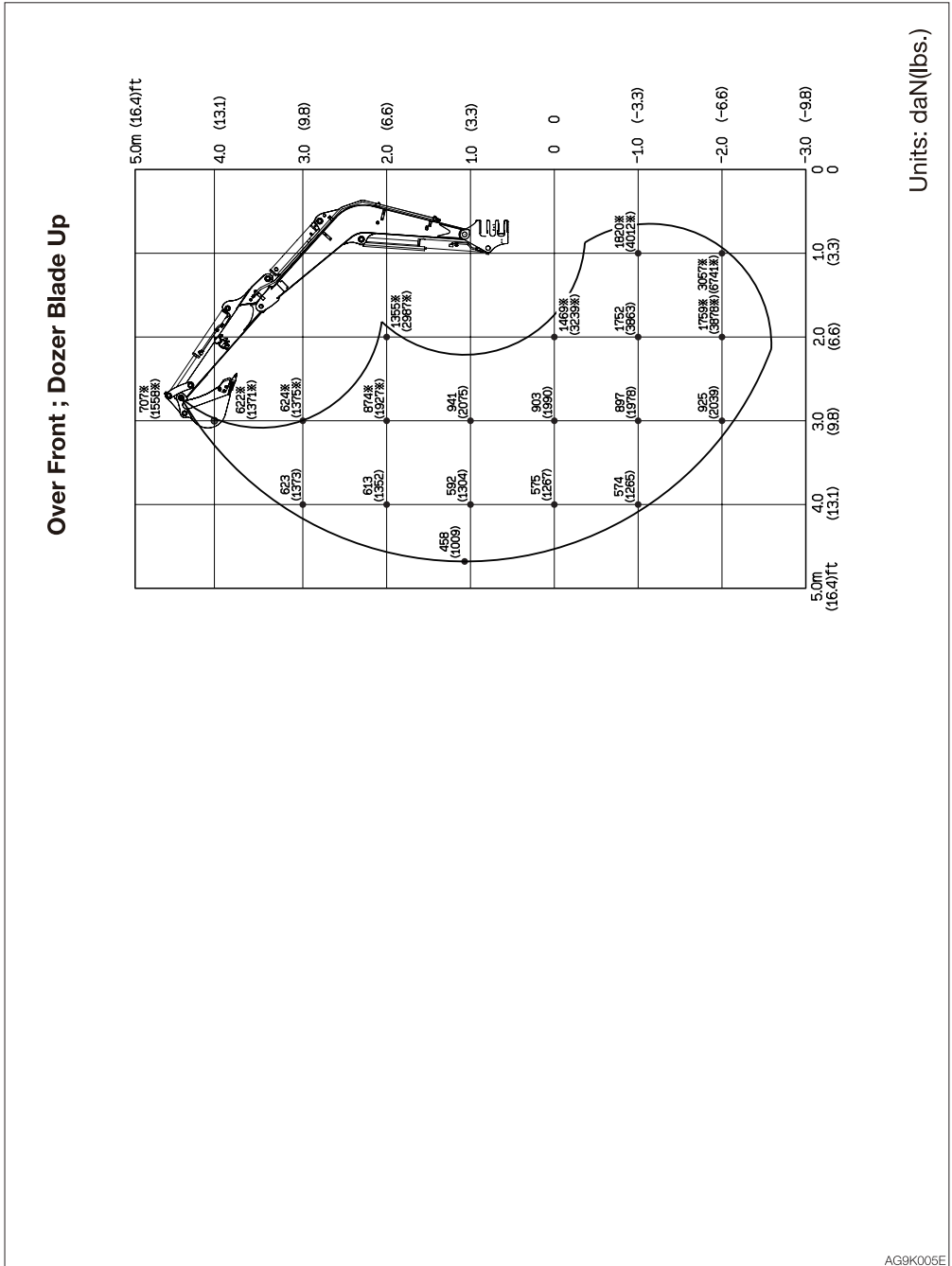


Units: daN(lbs.)



SPECIFICATIONS
LIFTING CAPACITIES

<Cab> Middle arm (Applicable machine models 124100002 or later)

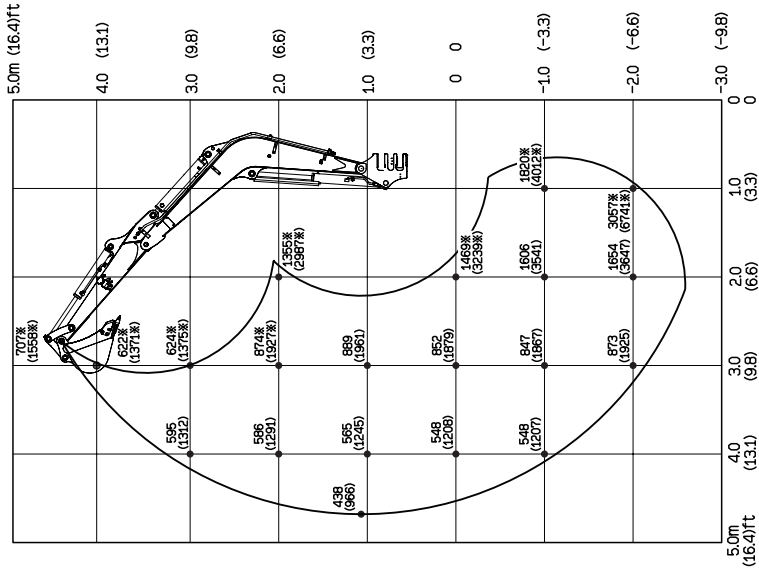




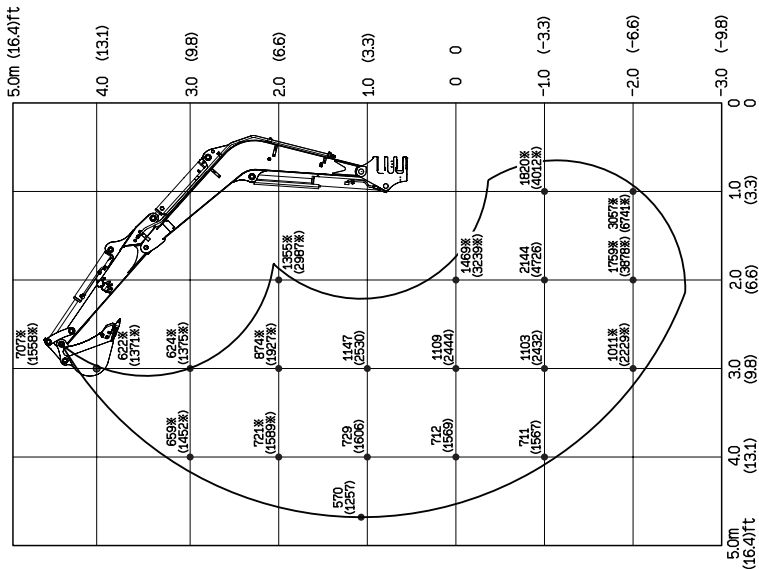
SPECIFICATIONS
LIFTING CAPACITIES

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Over Side



Over Rear

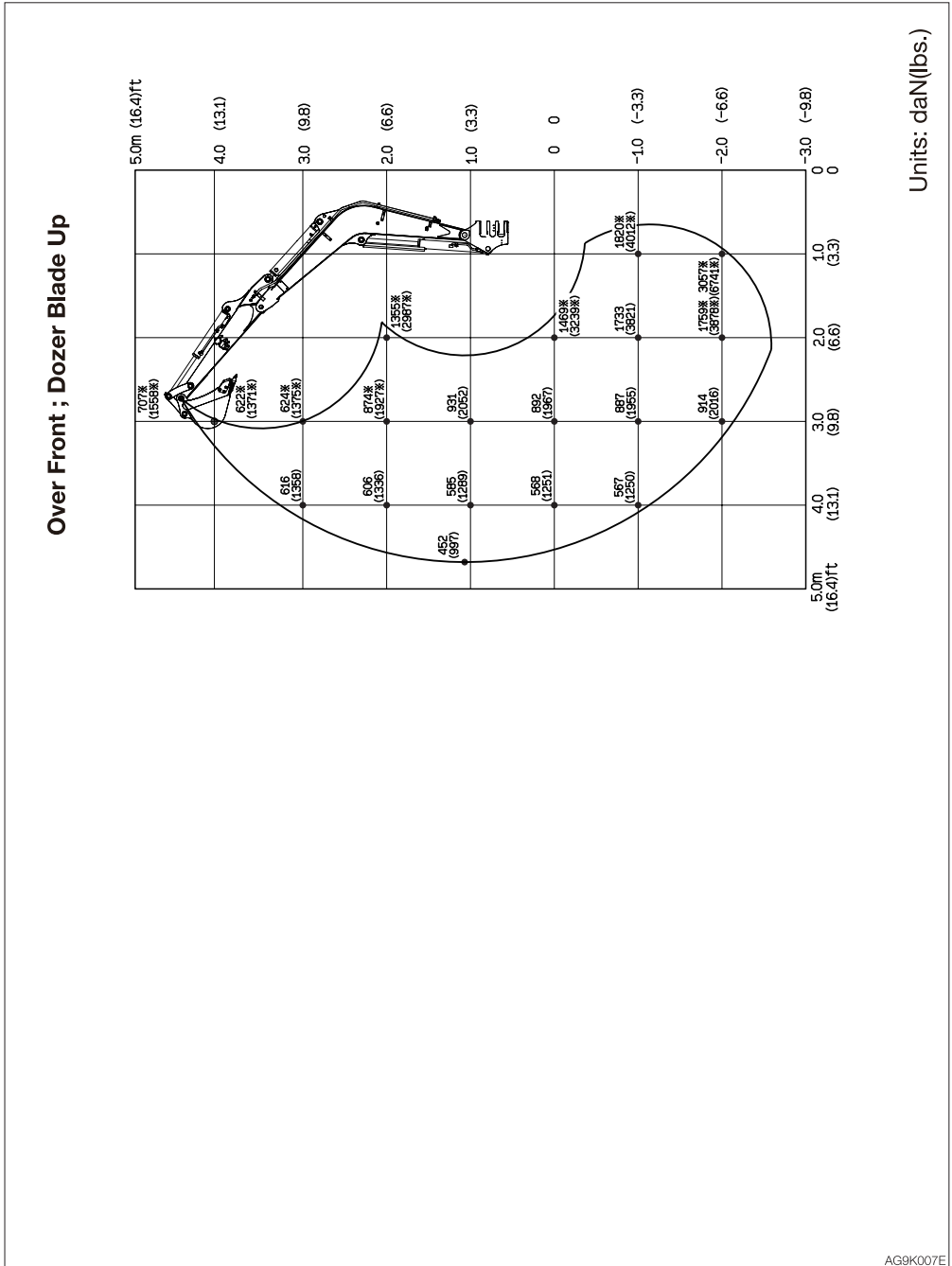


Units: daN(lbs.)



SPECIFICATIONS
LIFTING CAPACITIES

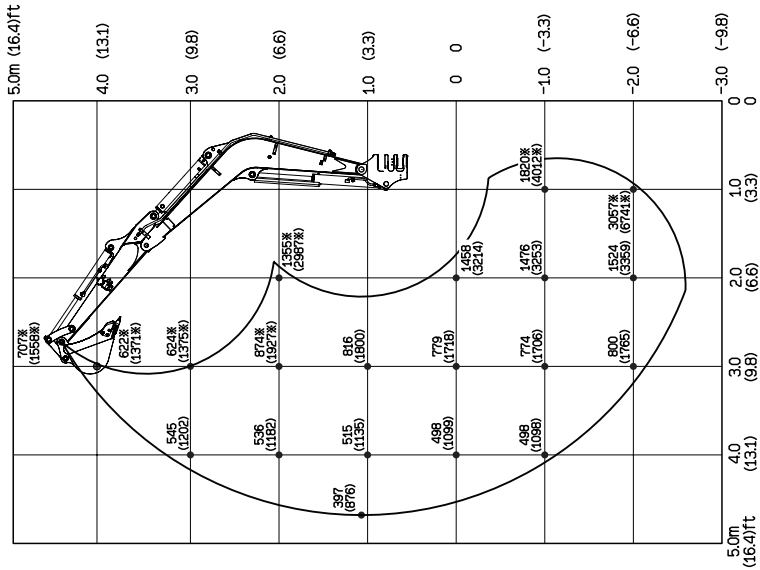
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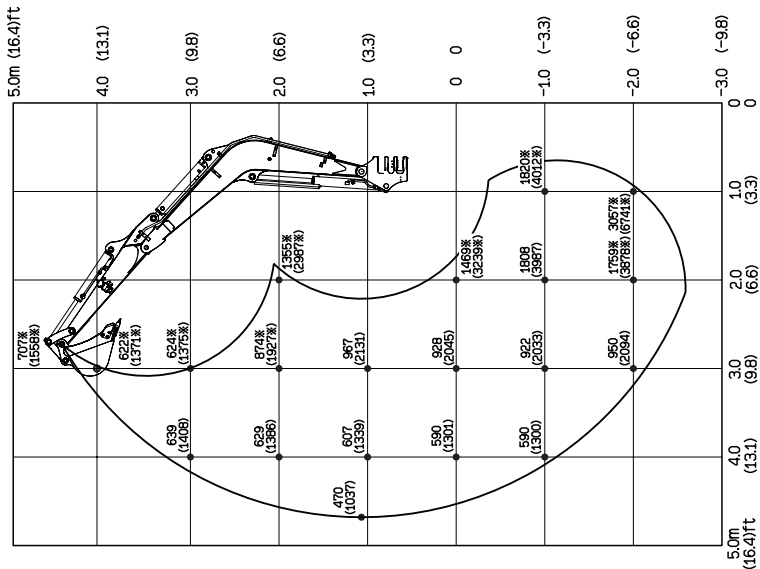


<Canopy> Middle arm (Applicable machine models 124100002 or later)

Over Side



Over Rear



Units: daN(lbs.)

