

SPECIFICATIONS





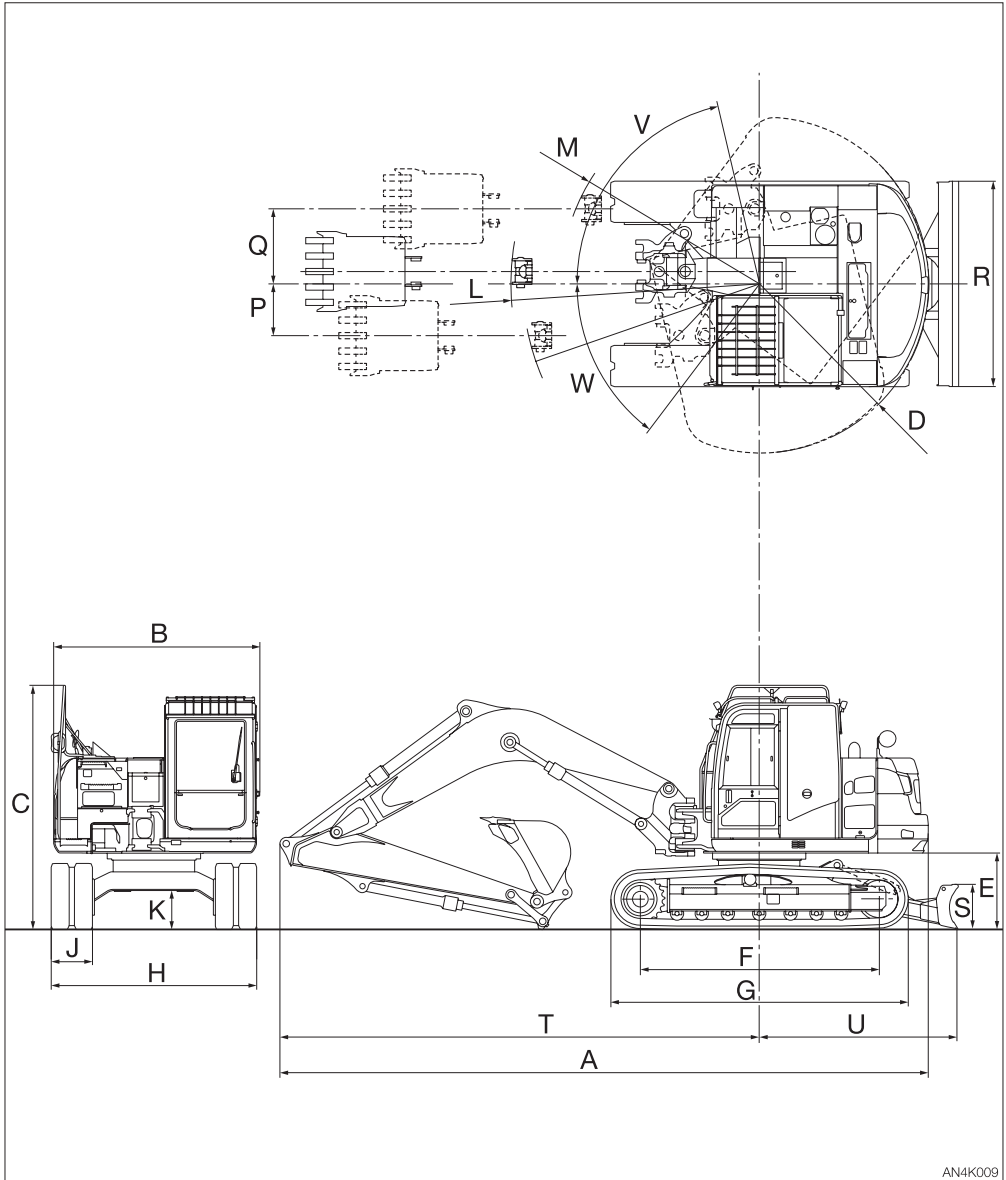
BASIC SPECIFICATIONS

Type		<Applicable machine models 514600003 or later>	<Applicable machine models 514700002 or later>	
MASS				
Operating mass	kg (lb)	Rubber crawlers	15095 (33280)	
		Steel crawlers	15120 (33334)	
PERFORMANCE				
Bucket capacity (Standard bucket)	m ³ (cu. ft.)	Heaped	0.45 (15.89)	
		Struck	0.34 (12.01)	
Slew speed	min ⁻¹ (rpm)		10.8 (10.8)	
Travel speed	km/h (mph)	Rubber crawlers	1st	3.1 (1.93)
			2nd	5.5 (3.42)
		Steel crawlers	1st	—
			2nd	—
Gradeability	(degrees)		35	
Ground pressure	kPa (psi)	Rubber crawlers	47.1 (6.83)	
		Steel crawlers	47.7 (6.92)	
Noise level	dB (A)	Sound power level	L _{WA} 98	
		Emission sound pressure level at the operator's position (ISO 6396,2008:)	L _{pA} 75	
ENGINE				
Manufacturer and model		DEUTZ TCD3.6L4		
Rated output	Net (ISO 14396)	kW/min ⁻¹ (hp/rpm)	85/2000 (113.9/2000)	
Displacement		ml (cu.in.)	3621 (221)	
Starter		V-kW	24-4.0	
Alternator		V-kW	28-2.24	
Battery (IEC 60095-1)		V-A·h	12-90 X 2	

MEMO



MACHINE DIMENSIONS



AN4K009



SPECIFICATIONS
MACHINE DIMENSIONS

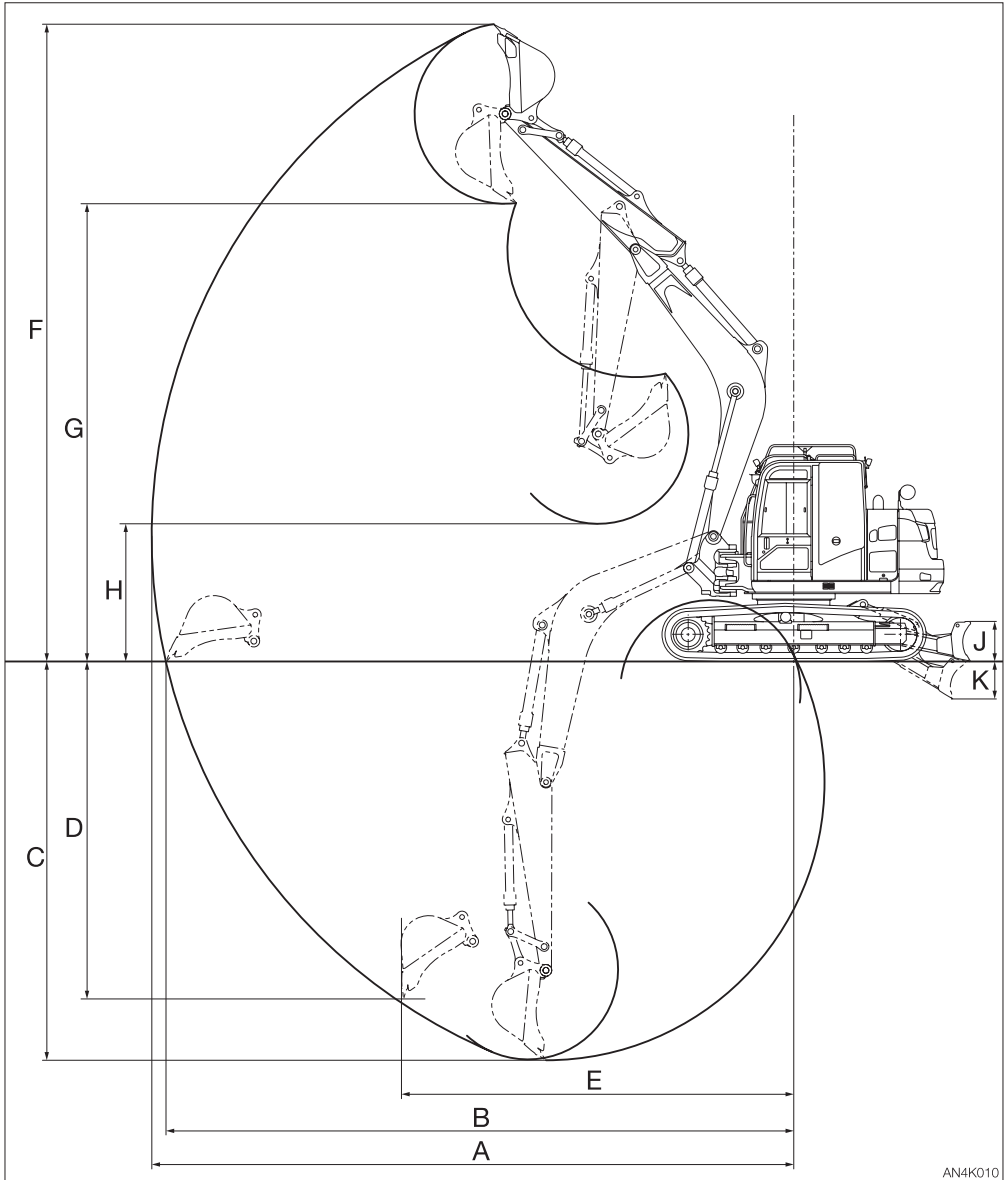
Unit: mm (inch)

	Item	Middle arm		Long arm	
		Rubber crawlers	Steel crawlers	Rubber crawlers	Steel crawlers
A	Overall length	7770 (305.9) 7820 (307.9)*	7775 (306.1) 7825 (308.1)*	7805 (307.3) 7855 (309.3)*	7810 (307.5) 7860 (309.4)*
B	Upperstructure overall width	2500 (98.4)	←	←	←
C	Overall height	2960 (116.5)	2950 (116.1)	2960 (116.5)	2950 (116.1)
D	Slew radius	2000 (78.7) 2050 (80.7)*	←	←	←
E	Clearance height under upperstructure	930 (36.6)	900 (35.4)	930 (36.6)	900 (35.4)
F	Crawler base	2895 (114)	2875 (113.2)	2895 (114)	2875 (113.2)
G	Crawler overall length	3615 (142.3)	3580 (140.9)	3615 (142.3)	3580 (140.9)
H	Crawler overall width	2490 (98)	←	←	←
J	Crawler shoe width	500 (19.7)	←	←	←
K	Ground clearance of undercarriage	475 (18.7)	445 (17.5)	475 (18.7)	445 (17.5)
L	Minimum radius of equipment and attachment	2965 (116.7)	←	3015 (118.7)	←
M	Minimum radius of equipment at maximum front offset	2360 (92.9)	←	2405 (94.7)	←
P	Offset distance of bucket (right swing)	630 (24.8)	←	←	←
Q	Offset distance of bucket (left swing)	910 (35.8)	←	←	←
R	Dozer blade width	2490 (98)	←	←	←
S	Dozer blade height	550 (21.7)	←	←	←
T	Front distance to axis of rotation	5770 (227.2)	5775 (227.4)	5805 (228.5)	5810 (228.7)
U	Dozer blade distance to axis of rotation	2395 (94.3)	←	←	←
V	Boom swing angle (Left)	77	←	←	←
W	Boom swing angle (Right)	53	←	←	←

*: Extra weight



OPERATING RANGES



AN4K010



SPECIFICATIONS
OPERATING RANGES

Unit: mm (inch)

	Item	Middle arm		Long arm	
		Rubber crawlers	Steel crawlers	Rubber crawlers	Steel crawlers
A	Maximum reach	8520 (335.4)	←	8760 (344.9)	←
B	Maximum reach at ground reference plane	8320 (327.6)	←	8565 (337.2)	←
C	Maximum digging depth	5195 (204.5)	5225 (205.7)	5445 (214.4)	5475 (215.6)
D	Maximum vertical digging depth	4365 (171.9)	4395 (173)	4605 (181.3)	4635 (182.5)
E	Reach at maximum vertical digging depth	5295 (208.5)	←	5350 (210.6)	←
F	Maximum height of cutting edge	8520 (335.4)	8490 (334.3)	8700 (342.5)	8670 (341.3)
G	Maximum dumping height	6070 (239)	6040 (237.8)	6250 (246.1)	6220 (244.9)
H	Minimum dumping height	2125 (83.7)	2095 (82.5)	1880 (74)	1850 (72.8)
J	Dozer blade maximum lifting	540 (21.3)	510 (20.1)	540 (21.3)	510 (20.1)
K	Dozer blade maximum lowering	515 (20.3)	545 (21.5)	515 (20.3)	545 (21.5)

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.

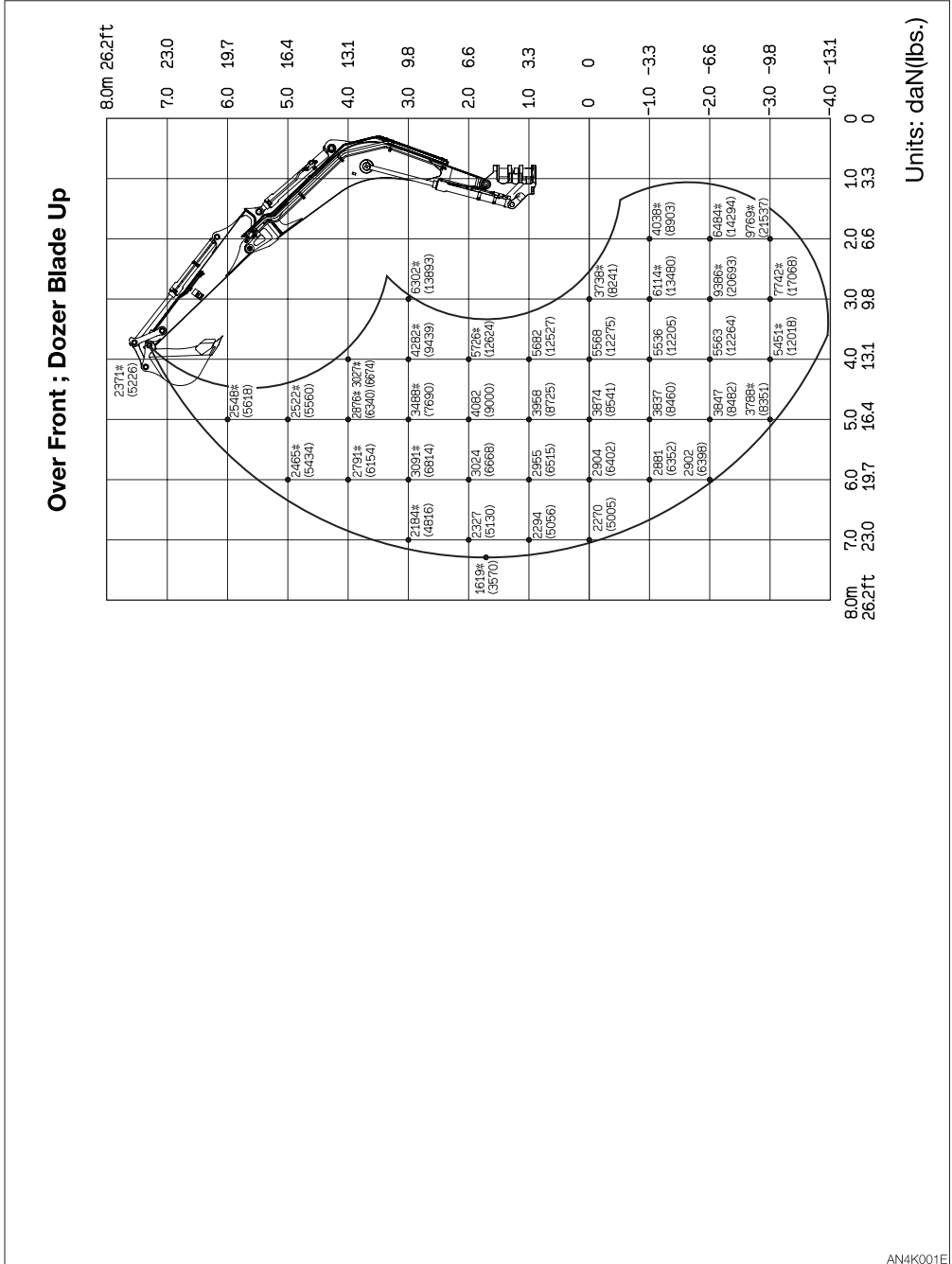
WARNING

- 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

Middle arm

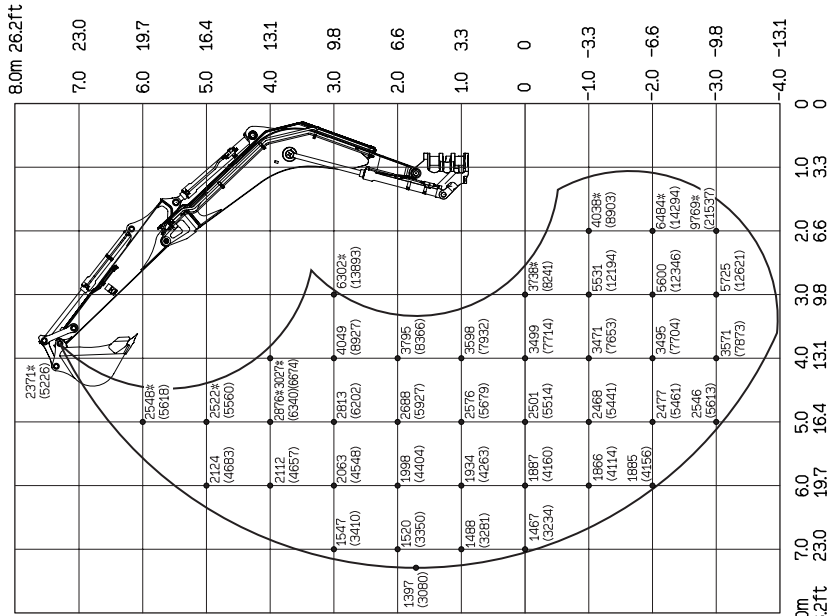




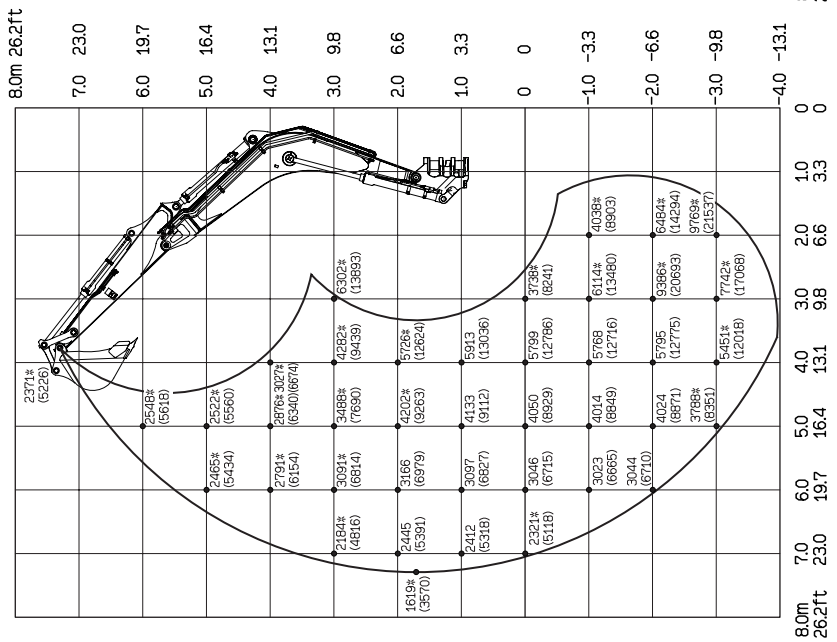
SPECIFICATIONS
LIFTING CAPACITIES

Middle arm

Over Side



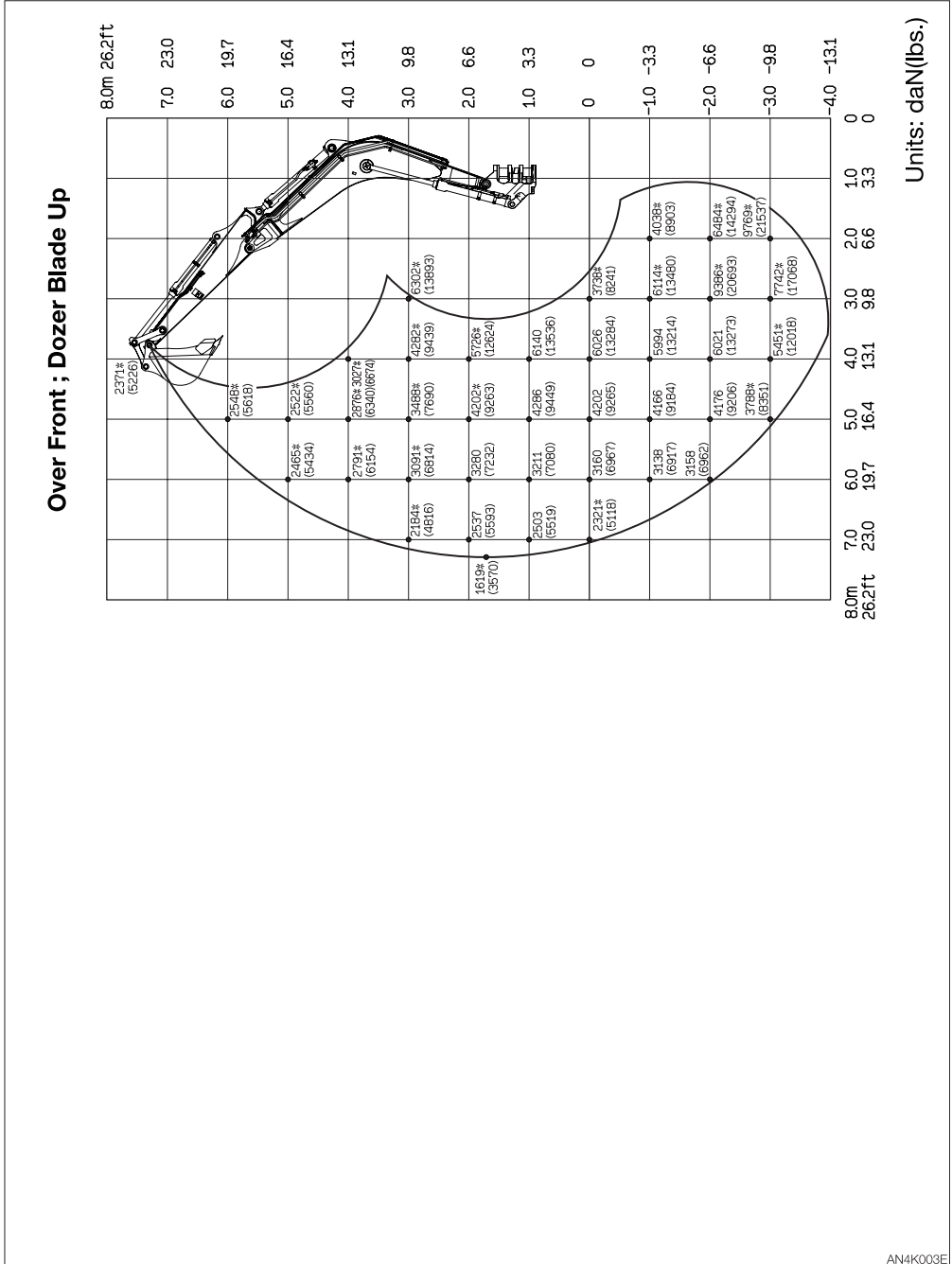
Over Rear



Units: daN(lbs.)

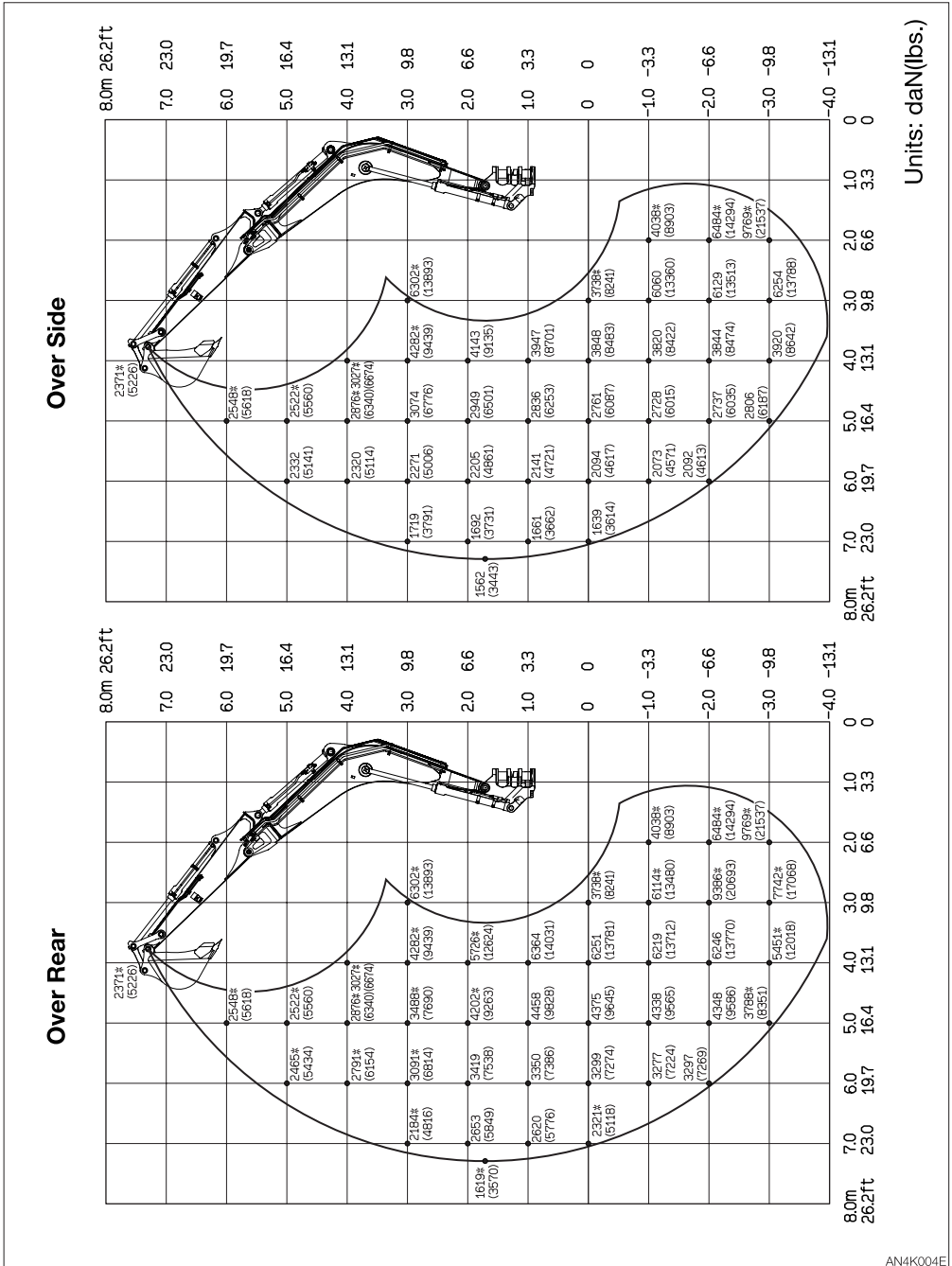


Middle arm (Equipped with Extra weight)





Middle arm (Equipped with Extra weight)

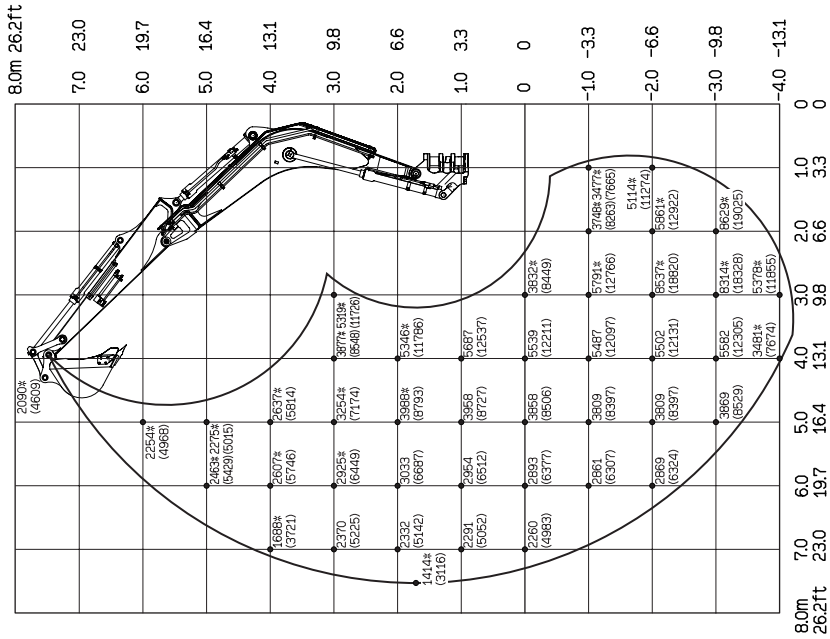




SPECIFICATIONS LIFTING CAPACITIES

Long arm

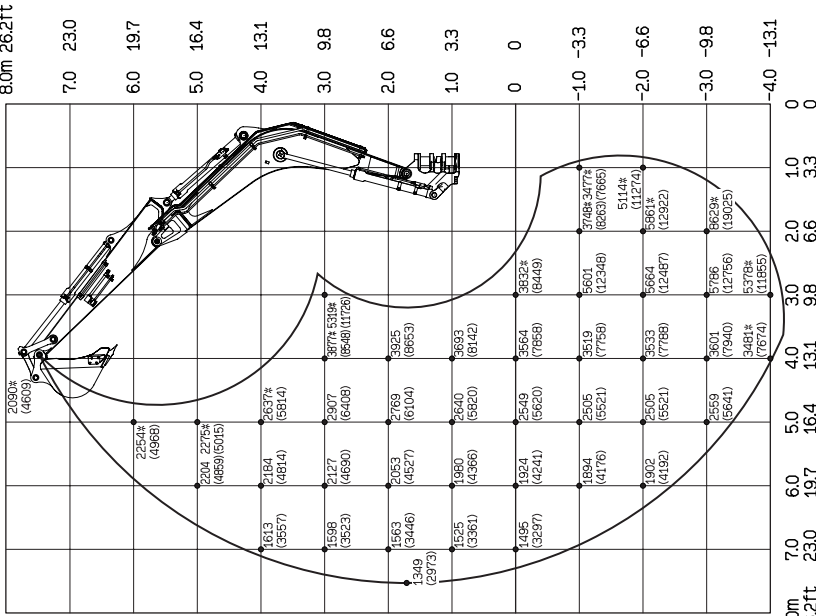
Over Front ; Dozer Blade Up



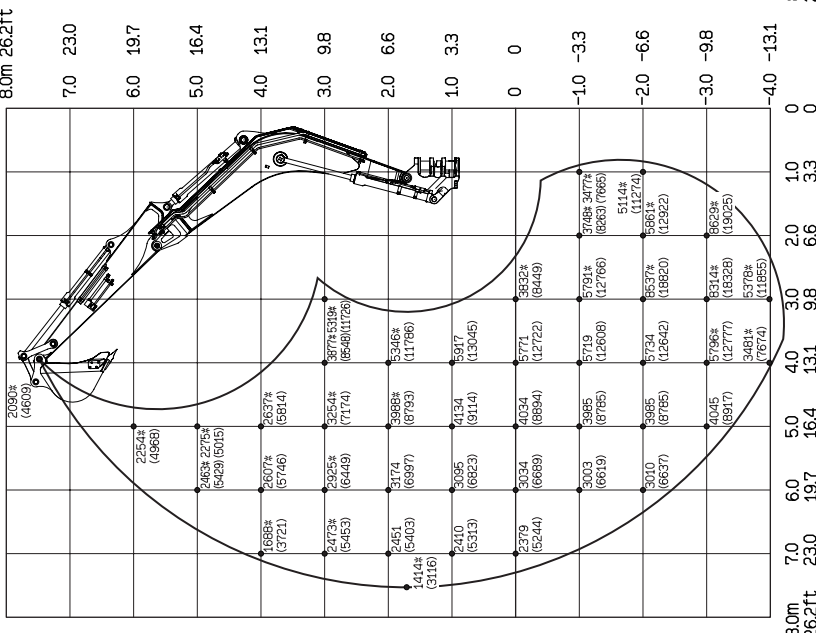
Units: daN(lbs.)

Long arm

Over Side



Over Rear



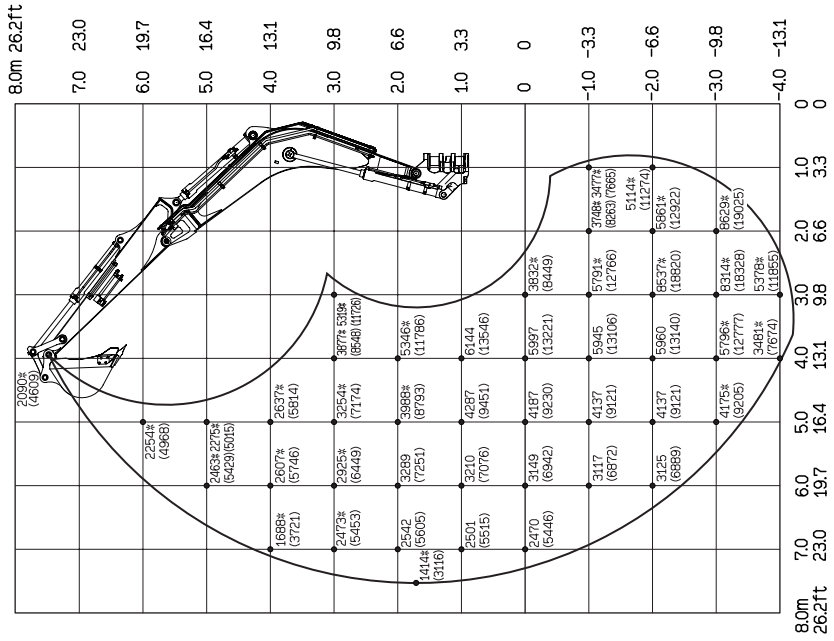
Units: daN(lbs.)



SPECIFICATIONS
LIFTING CAPACITIES

Long arm (Equipped with Extra weight)

Over Front ; Dozer Blade Up

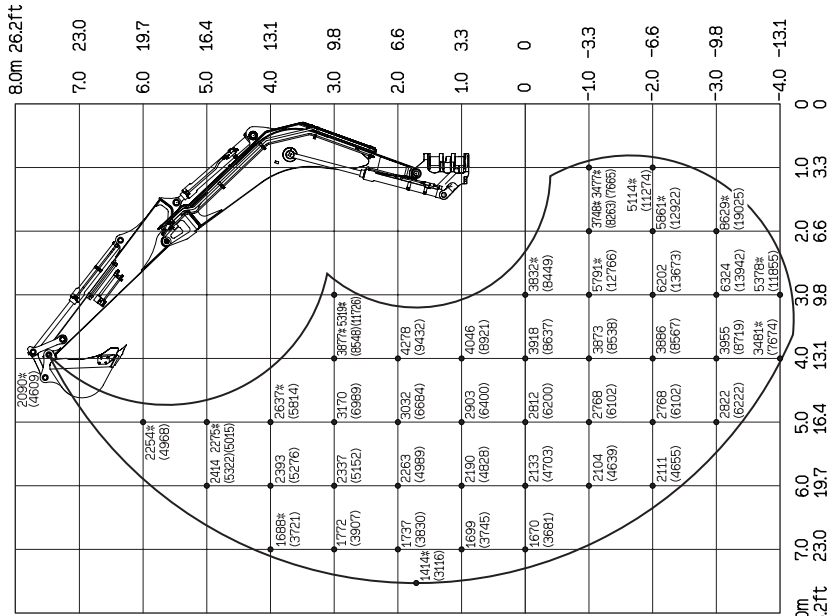


Units: daN(lbs.)

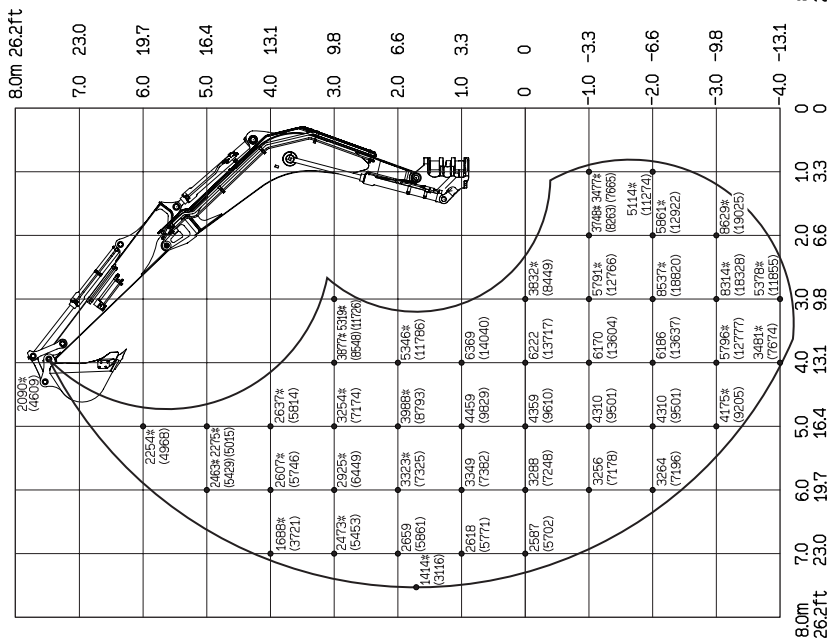


Long arm (Equipped with Extra weight)

Over Side



Over Rear



Units: daN(lbs.)

