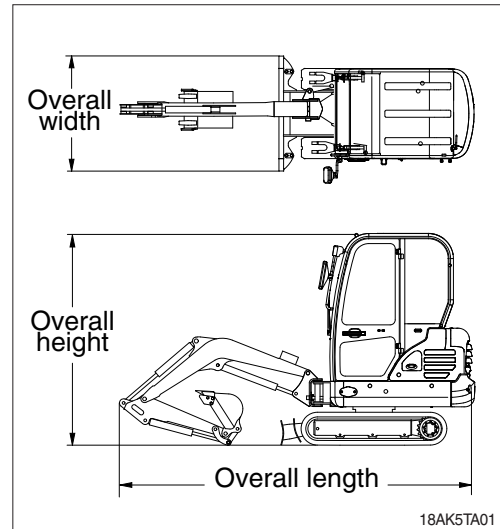


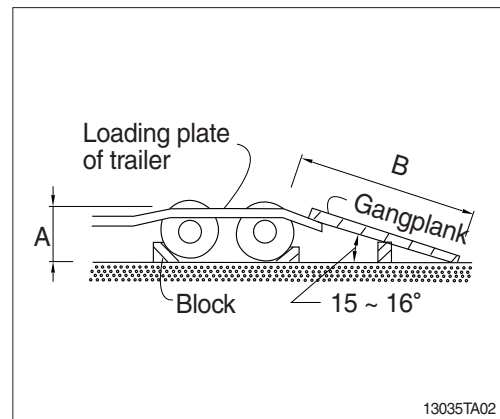
1. PREPARATION FOR TRANSPORTATION

- 1) When transporting the machine, observe the various road rules, road transportation vehicle laws and vehicle limit ordinances, etc.
- 2) Select proper trailer after confirming the weight and dimension from the chapter 2, specification.
- 3) Check the whole route such as the road width, the height of bridge and limit of weight and etc., which will be passed.
- 4) Get the permission from the related authority if necessary.
- 5) Prepare suitable capacity of trailer to support the machine.



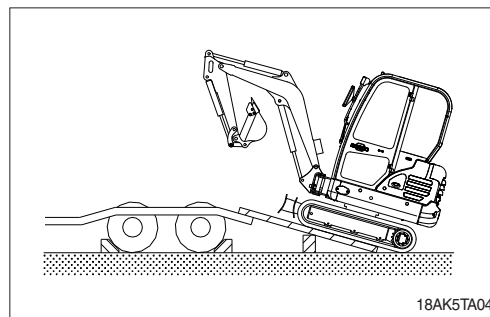
- 6) Prepare gangplank for safe loading referring to the below table and illustration.

A	B
1.0	3.65 ~ 3.85
1.1	4.00 ~ 4.25
1.2	4.35 ~ 4.60
1.3	4.75 ~ 5.00
1.4	5.10 ~ 5.40
1.5	5.50 ~ 5.75



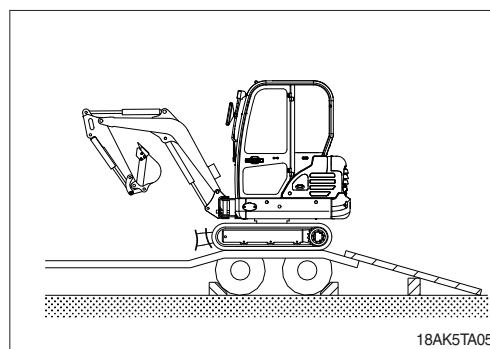
2. LOADING THE MACHINE

- 1) Load and unload the machine on a flat ground.
- 2) Use the gangplank with sufficient length, width, thickness and gradient.

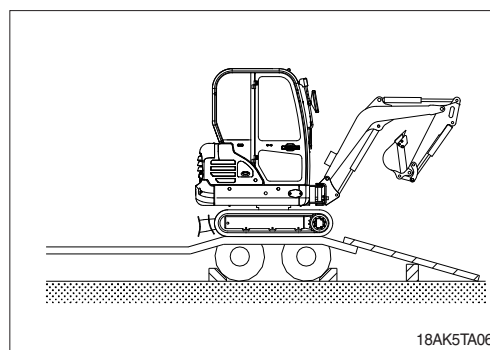


- 3) Do the following after loading the machine to the trailer.

- (1) Stop loading when the machine is located horizontally with the rear wheel of trailer. Keep the travel motor in the rear when loading and in the front when unloading.



- (2) Rotate the upper part of machine 180 degree then move to the proper location.



(3) Lower the working equipment gently.

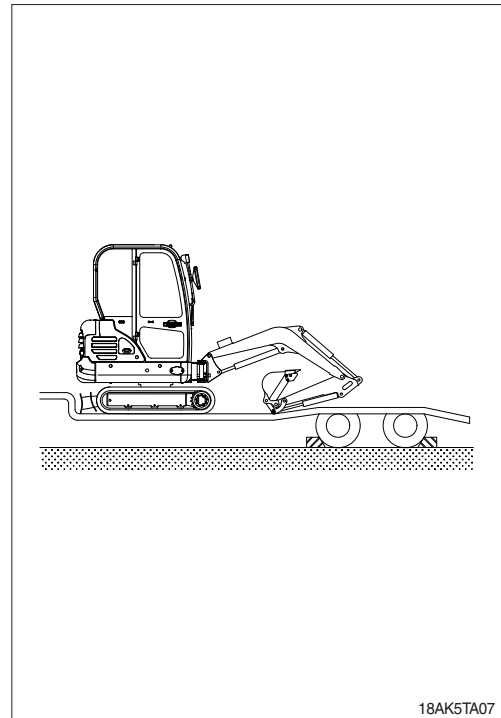
※ Place rectangular timber under the bucket cylinder to prevent the damage of it during transportation.

▲ Be sure to keep the travel speed switch on the LOW (turtle mark) while loading and unloading the machine.

▲ Avoid using the working equipment for loading and unloading since it will be very dangerous.

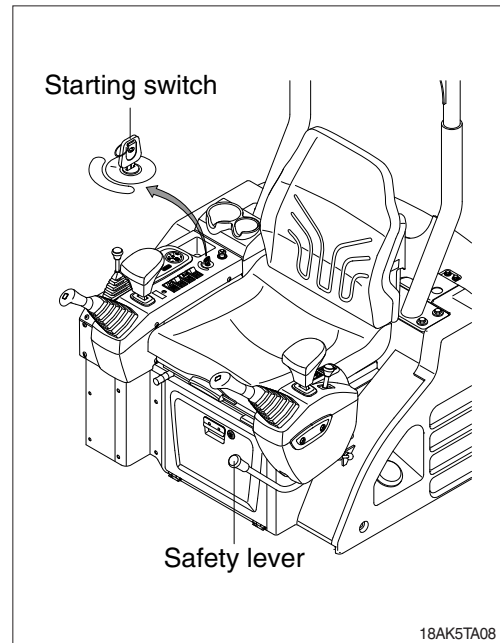
▲ Do not operate any other device when loading.

▲ Be careful on the boundary place of loading plate or trailer as the balance of machine will abruptly be changed on the point.

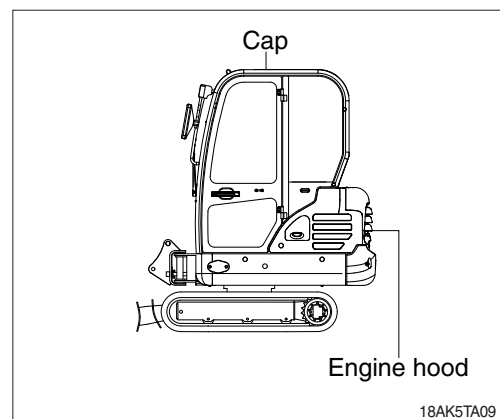


3. FIXING THE MACHINE

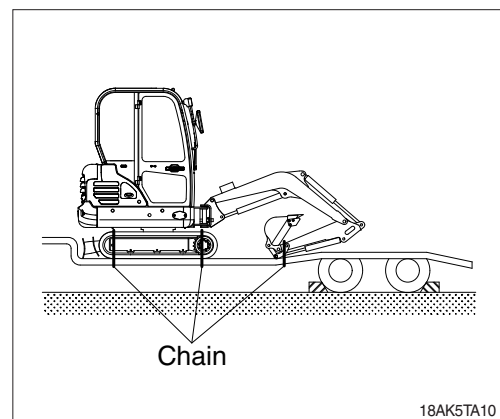
- 1) Lower down the working device on the loading plate of trailer.
- 2) Keep the safety lever on the **LOCK** position.
- 3) Turn **OFF** all the switches and remove the key.



- 4) Secure all locks.



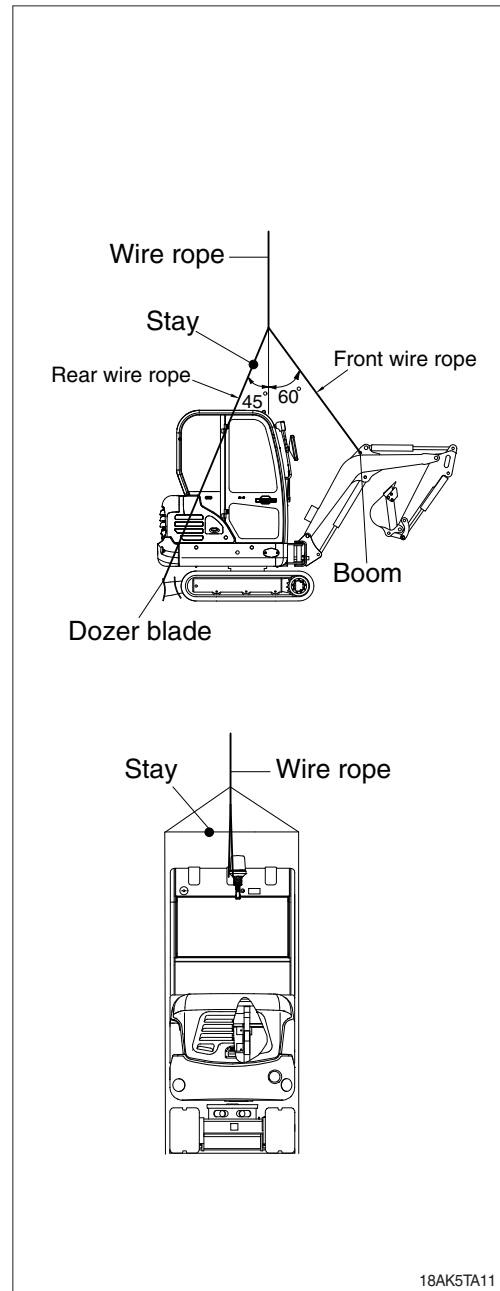
- 5) Place timber underneath of the track and fix firmly with wire rope to prevent the machine from moving forward, backward, right or left.



4. LOADING AND UNLOADING BY CRANE

- 1) Check the weight, length, width and height of the machine referring to the chapter 2, specification when you are going to hoist the machine.
 - 2) Use long wire rope and stay to keep the distance with the machine as it should avoid touching with the machine.
 - 3) Put a rubber plate contact with wire rope and machine to prevent damage.
 - 4) Place crane on the proper place.
 - 5) Install the wire rope and stay like the illustration.
 - 6) The maximum angle of the front wire rope must not exceed 60 degrees and the angle of the rear wire rope 45 degrees.
- ※ If there is no stay, keep the angle of the rear wire rope below 15 degrees to avoid interference with the machine.

- ▲ Make sure wire rope is proper size.
- ▲ Place the safety lever to LOCK position to prevent the machine moving when hoisting the machine.
- ▲ The wrong hoisting method or installation of wire rope can cause damage to the machine.
- ▲ Do not load abruptly.
- ▲ Keep area clear of personnel.
- ▲ Maintain center of gravity and balance when lifting.
- ▲ Never lift the machine with a person in the cab or on the machine.



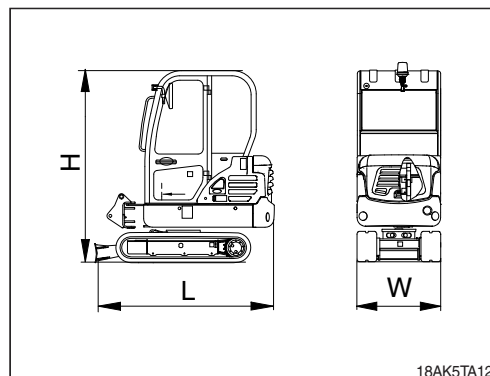
5. DIMENSION AND WEIGHT

1) R18-9AK

(1) Base machine

Mark	Description	Unit	Specification
L	Length	mm (ft-in)	1850 (6' 1")
H	Height	mm (ft-in)	2300 (7' 7")
W	Width	mm (ft-in)	980~1250 (3' 3"~4' 1")
Wt	Weight	kg (lb)	1450 (3197)

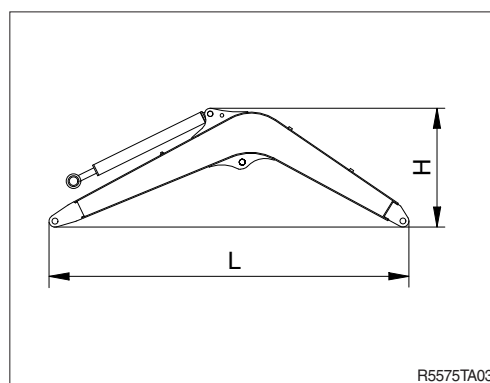
※ With 230 mm (9") rubber-track and 60 kg (130 lb) counterweight.



(2) Boom assembly

Mark	Description	Unit	Specification
L	Length	mm (ft-in)	1875 (6' 2")
H	Height	mm (ft-in)	670 (2' 2")
W	Width	mm (ft-in)	170 (7")
Wt	Weight	kg (lb)	90 (198)

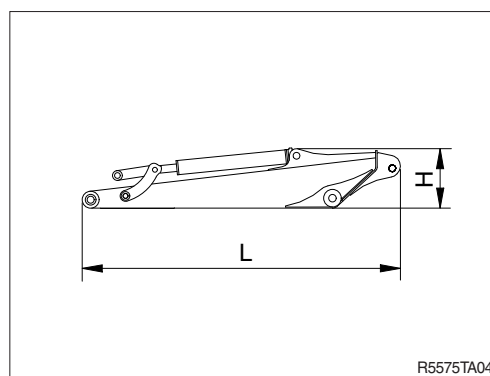
※ 1.80 m (5' 11") boom with arm cylinder (included piping and pins).



(3) Arm assembly

Mark	Description	Unit	Specification
L	Length	mm (ft-in)	1230 (4' 0")
H	Height	mm (ft-in)	315 (1' 0")
W	Width	mm (ft-in)	130 (5")
Wt	Weight	kg (lb)	60 (2")

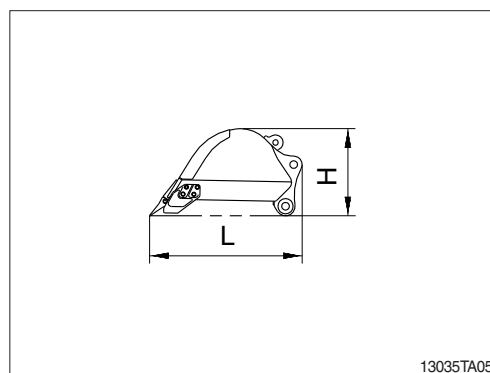
※ 0.96 m (3' 2") arm with bucket cylinder (included linkage and pins).



(4) Bucket assembly

Mark	Description	Unit	Specification
L	Length	mm (ft-in)	650 (2' 2")
H	Height	mm (ft-in)	350 (1' 2")
W	Width	mm (ft-in)	460 (1' 6")
Wt	Weight	kg (lb)	43 (95)

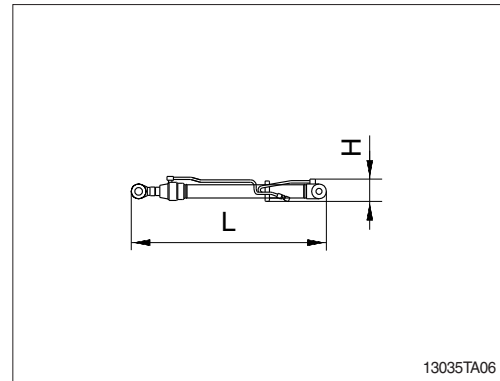
※ 0.04 m³ (0.05 yd³) SAE heaped bucket (included tooth and side cutters).



(5) Boom cylinder

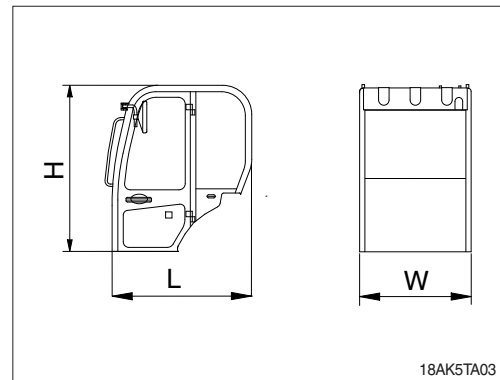
Mark	Description	Unit	Specification
L	Length	mm (ft-in)	810 (2' 8")
H	Height	mm (ft-in)	100 (4")
W	Width	mm (ft-in)	130 (5")
Wt	Weight	kg (lb)	17 (37)

※ Included piping.



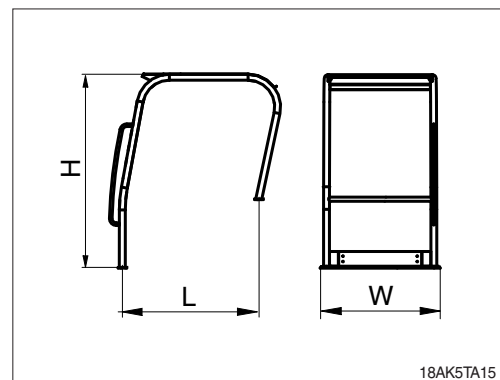
(6) Cab assembly

Mark	Description	Unit	Specification
L	Length	mm (ft-in)	1300 (4' 3")
H	Height	mm (ft-in)	1570 (5' 1")
W	Width	mm (ft-in)	980 (3' 2")
Wt	Weight	kg (lb)	267 (589)



(7) Canopy assembly

Mark	Description	Unit	Specification
L	Length	mm (ft-in)	1099 (3' 7")
H	Height	mm (ft-in)	1570 (5' 1")
W	Width	mm (ft-in)	940 (3' 1")
Wt	Weight	kg (lb)	67 (148)



(8) Counterweight

Mark	Description	Unit	Specification
L	Length	mm (ft-in)	980 (3' 3")
H	Height	mm (ft-in)	245 (9' 6")
W	Width	mm (ft-in)	350 (1' 2")
Wt	Weight	kg (lb)	65 (143)

