

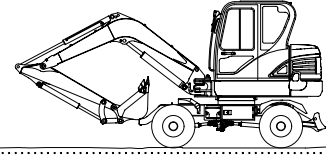
## 1. ROAD TRAVELING

As this machine can run at the maximum speed of 30.5km/h, it is not necessary to transport the machine on trailer in a short distance.

But the transportation by the trailer is convenient in a long distance.

If it is necessary to travel on a road, observe the followings.

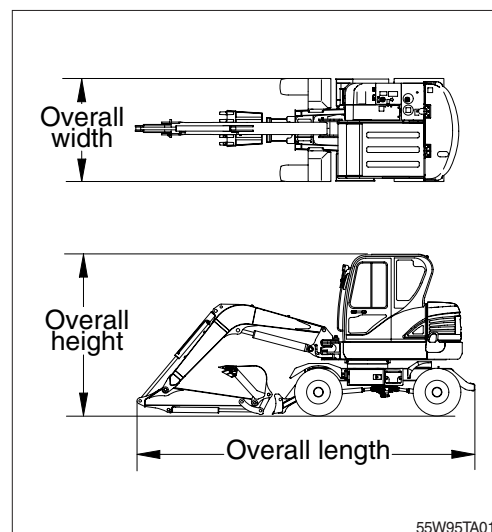
- 1) Comply with regulations regarding this machine for the sake of safety.
- 2) Perform daily inspection before starting the machine.
- 3) Cross the bridge after checking that it will safely support the machine weight. If the bridge can not support, a detour must be prepared or the bridge must be reinforced.
- 4) When traveling for a long distance, stop every hour to allow tires and other components to cool down and check any abnormality.
- 5) Drive with the bucket empty.



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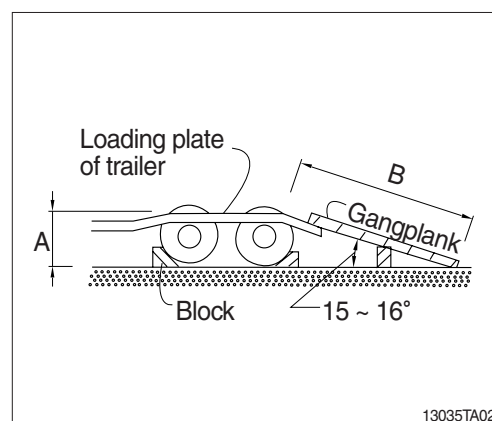
## 2. PREPARATION FOR TRANSPORTATION

- 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

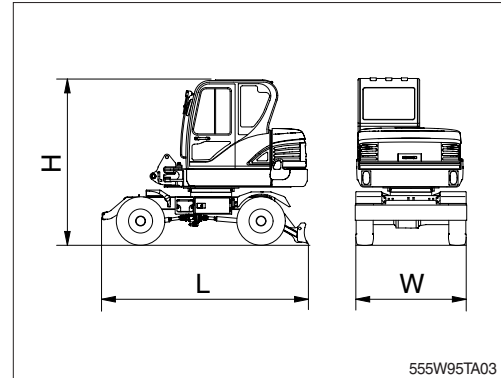


### 3. DIMENSION AND WEIGHT

#### 1) Base machine

Mark	Description	Unit	Specification
L	Length	mm (ft-in)	3580 (11' 9")
H	Height	mm (ft-in)	2850 ( 9' 4")
Wd	Width	mm (ft-in)	1925 ( 6' 4")
Wt	Weight	kg (lb)	4760 (10490)

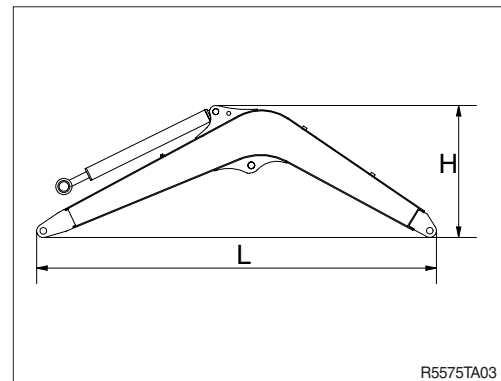
※ With 180 kg (400 lb) counterweight.



#### 2) Boom assembly

Mark	Description	Unit	Specification
L	Length	mm (ft-in)	3120 (10' 3")
H	Height	mm (ft-in)	1140 ( 3' 9")
Wd	Width	mm (ft-in)	250 ( 0'10")
Wt	Weight	kg (lb)	300 (660)

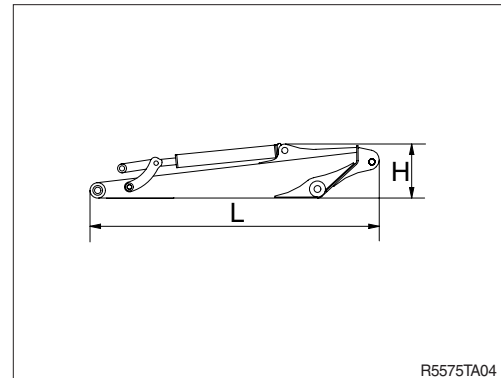
※ 3.0 m (9'10") boom with arm cylinder (included piping and pins).



#### 3) Arm assembly

Mark	Description	Unit	Specification
L	Length	mm (ft-in)	2130 ( 6'12")
H	Height	mm (ft-in)	450 ( 1' 6")
Wd	Width	mm (ft-in)	170 ( 0' 7")
Wt	Weight	kg (lb)	205 (450)

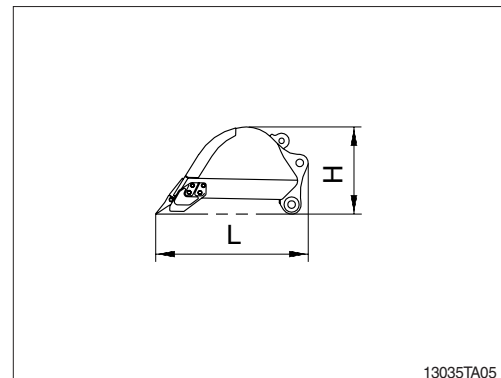
※ 1.6 m (5' 3") arm with bucket cylinder (included linkage and pins).



#### 4) Bucket assembly

Mark	Description	Unit	Specification
L	Length	mm (ft-in)	1020 ( 3' 4")
H	Height	mm (ft-in)	570 ( 1' 10")
Wd	Width	mm (ft-in)	740 ( 2' 5")
Wt	Weight	kg (lb)	170 (380)

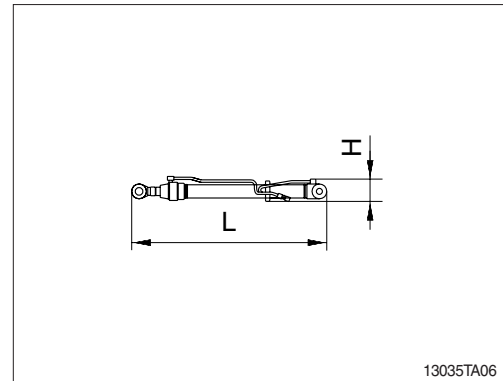
※ 0.18 m<sup>3</sup> (0.24 yd<sup>3</sup>) SAE heaped bucket (Included tooth and side cutters).



### 5) Boom cylinder

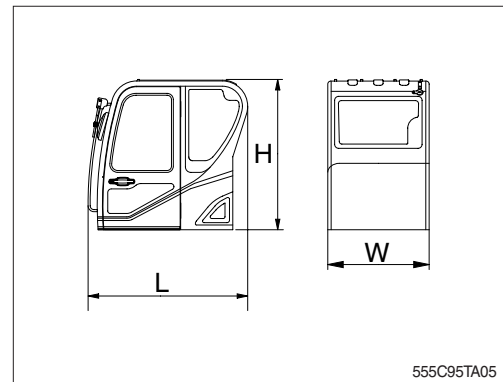
Mark	Description	Unit	Specification
L	Length	mm (ft-in)	1210 ( 3' 12")
H	Height	mm (ft-in)	150 ( 0' 6")
Wd	Width	mm (ft-in)	280 ( 0' 11")
Wt	Weight	kg (lb)	70 (155)

※ Included piping.



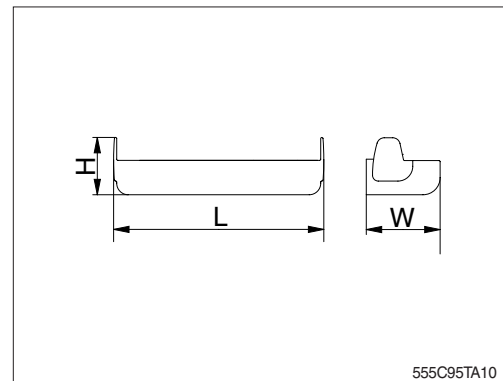
### 6) Cab assembly

Mark	Description	Unit	Specification
L	Length	mm (ft-in)	1650 ( 5' 5")
H	Height	mm (ft-in)	1530 ( 5' 0")
Wd	Width	mm (ft-in)	1060 ( 3' 6")
Wt	Weight	kg (lb)	350 (770)



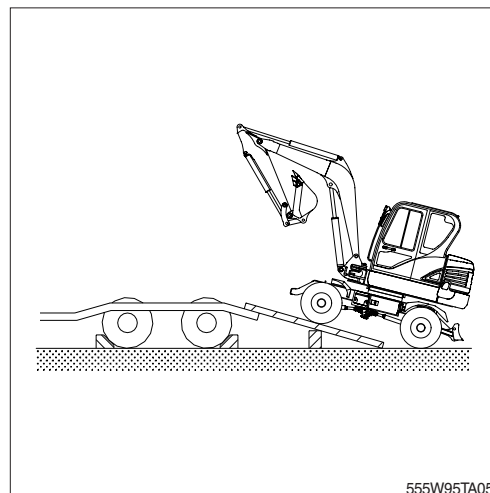
### 7) Counterweight

Mark	Description	Unit	Specification
L	Length	mm (ft-in)	1850 ( 6' 1")
H	Height	mm (ft-in)	420 ( 1' 5")
Wd	Width	mm (ft-in)	645 ( 2' 1")
Wt	Weight	kg (lb)	180 (400)

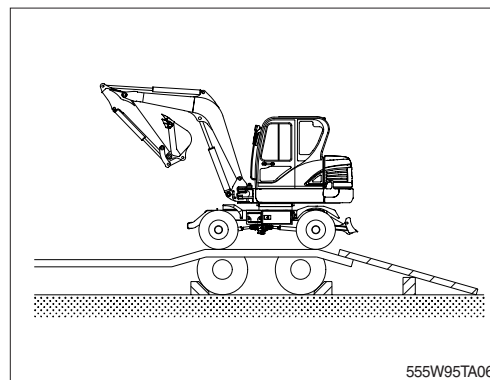


## 4. LOADING THE MACHINE

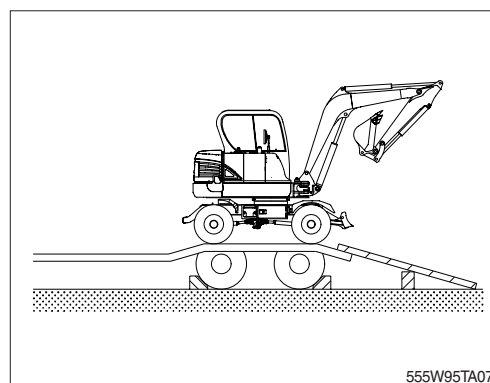
- 1) Load and unload the machine on a flat ground.
- 2) Use the gangplank with sufficient length, width, thickness and gradient.
- 3) Place block tires of the truck and the trailer not to move the trailer.
- 4) Place the swing lock device to the **LOCK** position before fixing the machine at the bed of trailer and confirm if the machine parallels the bed of trailer.
- 5) Drive straight and depress the acceleration pedal slowly on the gangplank with the two speed switch positioned as low speed.



- 6) 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.



- (2) Place the swing lock device to the **LOCK** position after the swing the machine 180 degree.



(3) Lower the working equipment gently after the location is determined.

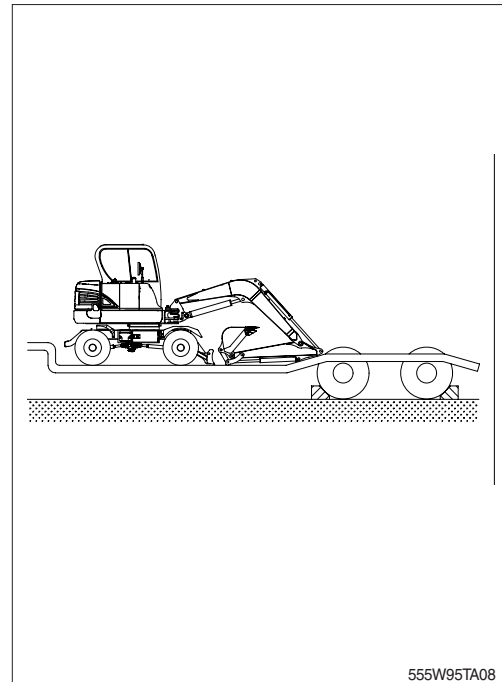
※ **Place rectangular timber under the bucket cylinder to prevent the damage of it during transportation.**

▲ **Be sure to keep the travel speed switch on the low speed while loading and unloading the machine.**

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

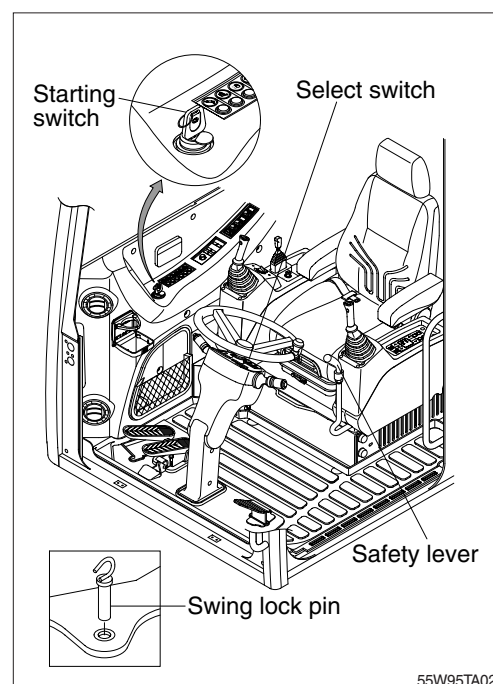
▲ **Do not operate any other device when loading.**

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

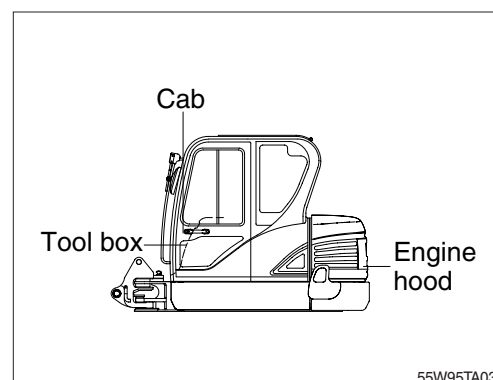


## 5. FIXING THE MACHINE

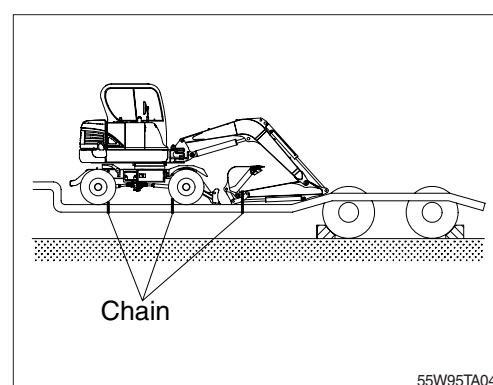
- 1) Place the swing lock pin on the LOCK position.
- 2) Place the parking switch to the parking position.
- 3) Keep the safety lever on the SAFETY position.
- 4) Turn OFF all the switches and remove the key.



- 5) Secure all locks.



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



## 6. 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.

**⚠ 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.**

