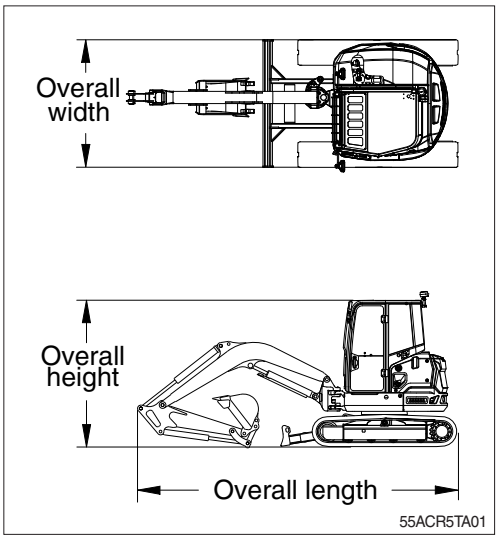
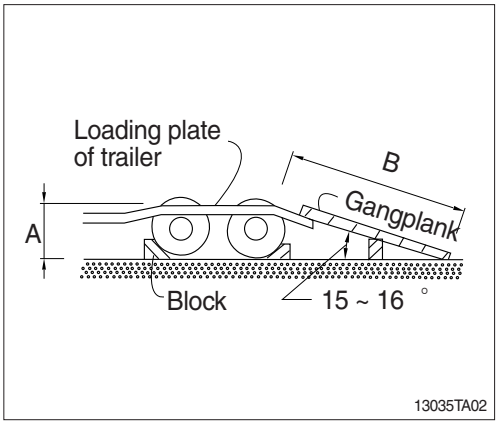
1. PREPARATION FOR TRANSPORTATION

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 chapter 2, specification.
3) Check the whole route such as the road width, the height of bridge and limit of weight etc., which will be passed.
4) Get 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



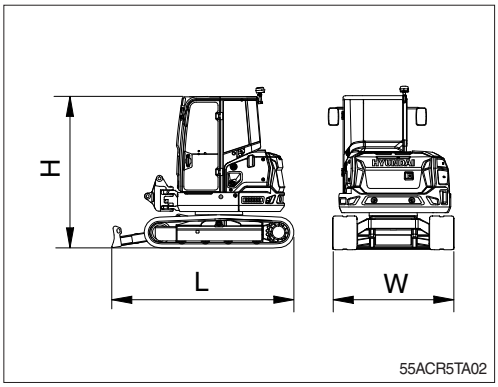
2. DIMENSION AND WEIGHT

1) BASE MACHINE

(1) Rubber track

Mark	Description	Unit	Specification
L	Length	mm (ft-in)	3055 (10' 0")
H	Height	mm (ft-in)	2555 (8' 5")
W	Width	mm (ft-in)	2000 (6' 7")
Wt	Weight	kg (lb)	4690 (10340)

※ With 400 mm (16") rubber shoes and 500 kg (1102 lb) counterweight.



(2) Rubber track

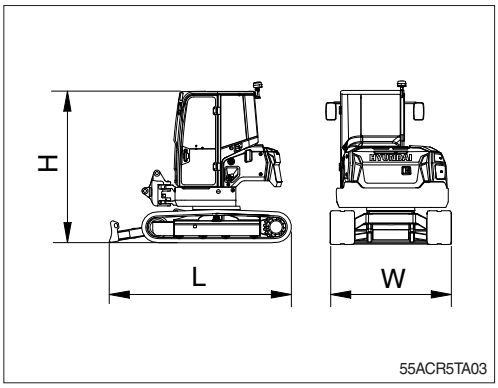
Mark	Description	Unit	Specification
L	Length	mm (ft-in)	3055 (10' 0")
H	Height	mm (ft-in)	2555 (8' 5")
W	Width	mm (ft-in)	2000 (6' 7")
Wt	Weight	kg (lb)	4840 (10670)

※ With 400 mm (16") rubber shoes and 650 kg (1433 lb) add counterweight.

(3) Rubber track

Mark	Description	Unit	Specification
L	Length	mm (ft-in)	3055 (10' 0")
H	Height	mm (ft-in)	2555 (8' 5")
W	Width	mm (ft-in)	2000 (6' 7")
Wt	Weight	kg (lb)	4180 (9220)

※ With 400 mm (16") rubber shoes and without counterweight.



(4) Steel track

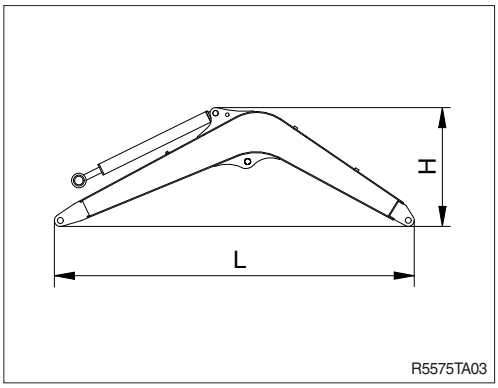
Mark	Description	Unit	Specification
L	Length	mm (ft-in)	3055 (10' 0")
H	Height	mm (ft-in)	2550 (8' 4")
W	Width	mm (ft-in)	2000 (6' 7")
Wt	Weight	kg (lb)	4330 (9550)

※ With 400 mm (16") steel shoes and without counterweight.

2) BOOM ASSEMBLY

Mark	Description	Unit	Specification
L	Length	mm (ft-in)	2908 (9' 6")
H	Height	mm (ft-in)	926 (3' 0")
W	Width	mm (ft-in)	266 (0' 10")
Wt	Weight	kg (lb)	269 (590)

※ 2.8 ㎜ (9' 2") boom with arm cylinder (including piping and pins).

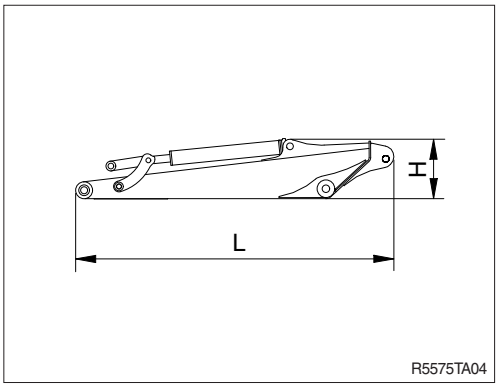


3) ARM ASSEMBLY

(1) Arm assembly

Mark	Description	Unit	Specification
L	Length	mm (ft-in)	1836 (6' 0")
H	Height	mm (ft-in)	473 (1' 7")
W	Width	mm (ft-in)	196 (0' 8")
Wt	Weight	kg (lb)	132 (290)

※ 1.4 ㎜ (4' 7") arm with bucket cylinder (including linkage and pins).



(2) Arm assembly

Mark	Description	Unit	Specification
L	Length	mm (ft-in)	2085 (6' 10")
H	Height	mm (ft-in)	482 (1' 7")
W	Width	mm (ft-in)	208 (0' 8")
Wt	Weight	kg (lb)	108 (240)

※ 1.65 ㎜ (5' 5") long arm with bucket cylinder (including linkage and pins).

(3) Arm assembly (with thumb bracket)

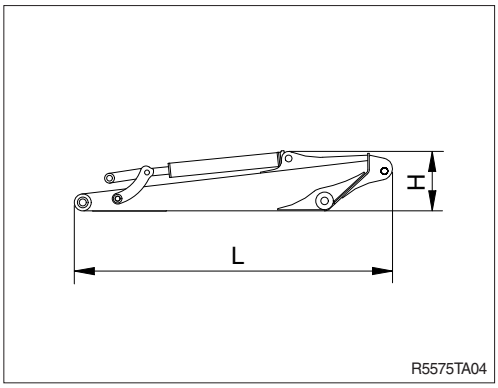
Mark	Description	Unit	Specification
L	Length	mm (ft-in)	1835 (6' 0")
H	Height	mm (ft-in)	554 (1' 10")
W	Width	mm (ft-in)	196 (0' 8")
Wt	Weight	kg (lb)	135 (300)

※ 1.4 ㎜ (4' 7") arm with bucket cylinder (including linkage and pins).

(4) Arm assembly (with thumb bracket)

Mark	Description	Unit	Specification
L	Length	mm (ft-in)	2085 (6' 10")
H	Height	mm (ft-in)	563 (1' 10")
W	Width	mm (ft-in)	196 (0' 8")
Wt	Weight	kg (lb)	112 (250)

※ 1.65 m (5' 5") arm with bucket cylinder (including linkage and pins).

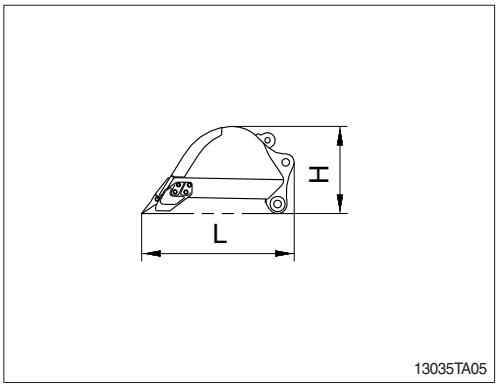


4) BUCKET ASSEMBLY

(1) Bucket assembly

Mark	Description	Unit	Specification
L	Length	mm (ft-in)	987 (3' 3")
H	Height	mm (ft-in)	622 (2' 0")
W	Width	mm (ft-in)	606 (2' 0")
Wt	Weight	kg (lb)	134 (290)

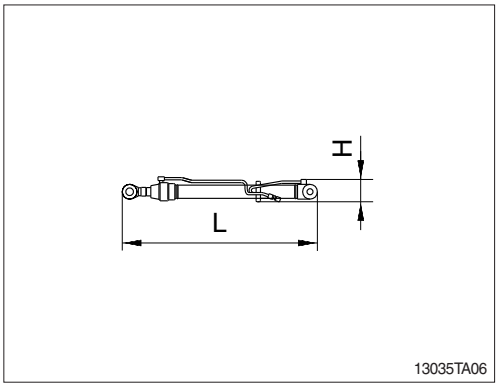
※ 0.15 m^3 (0.20 yd^3) SAE heaped bucket (including tooth and side cutters).



5) BOOM CYLINDER

Mark	Description	Unit	Specification
L	Length	mm (ft-in)	1090 (3' 7")
H	Height	mm (ft-in)	191 (0' 8")
W	Width	mm (ft-in)	271 (0' 11")
Wt	Weight	kg (lb)	53 (120)

※ including piping.

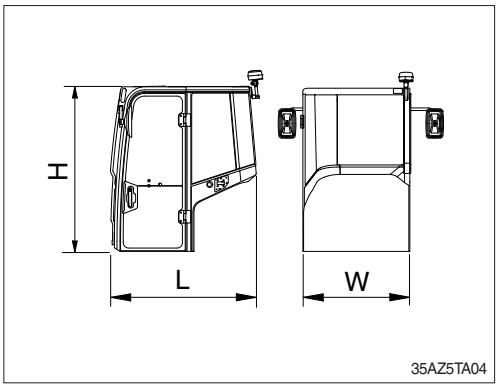


6) CAB ASSEMBLY

(1) Cab assembly

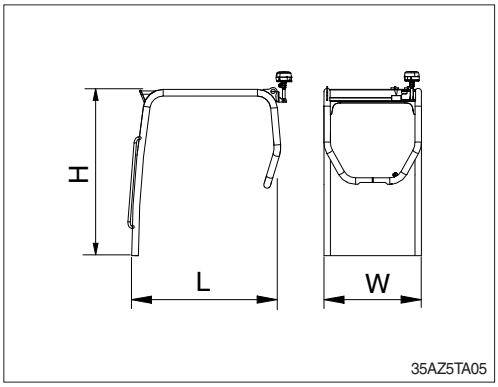
Mark	Description	Unit	Specification
L	Length	mm (ft-in)	1400 (4' 7") [1430 (4' 8")]
H	Height	mm (ft-in)	1635 (5' 4") [1635 (5' 4")]
W	Width	mm (ft-in)	1074 (3' 6") [1074 (3' 6")]
Wt	Weight	kg (lb)	455 (1000) [480 (1060)]

[ ] : with FOG GUARD



(2) Canopy assembly

Mark	Description	Unit	Specification
L	Length	mm (ft-in)	1340 (4' 5")
H	Height	mm (ft-in)	1620 (5' 4")
W	Width	mm (ft-in)	1030 (3' 5")
Wt	Weight	kg (lb)	320 (710)

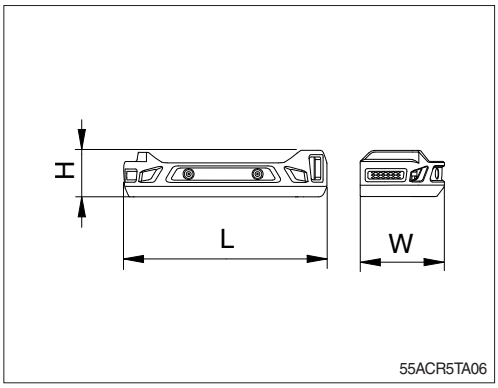


7) COUNTERWEIGHT

(1) Counterweight

Mark	Description	Unit	Specification
L	Length	mm (ft-in)	1820 (6' 0")
H	Height	mm (ft-in)	434 (1' 5")
W	Width	mm (ft-in)	775 (2' 7")
Wt	Weight	kg (lb)	500 (1102)

※ 500 kg (1102 lb) counterweight



(2) Counterweight

Mark	Description	Unit	Specification
L	Length	mm (ft-in)	1827 (6' 0")
H	Height	mm (ft-in)	434 (1' 5")
W	Width	mm (ft-in)	850 (2' 9")
Wt	Weight	kg (lb)	500 (1102)
		kg (lb)	150 (330)

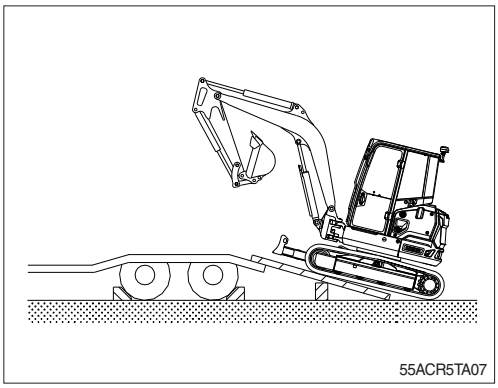
※ 650 kg (1433 lb) add counterweight

3. LOADING THE MACHINE

1) Load and unload the machine on flat ground.

2) Use the gangplank with sufficient length, width, thickness and gradient.

3) Place the safety lever to the LOCK position (if equipped) before fixing the machine at the bed of trailer and confirm if the machine is parallel to the bed of trailer.
   Keep the travel motor in the rear when loading and in the front when unloading.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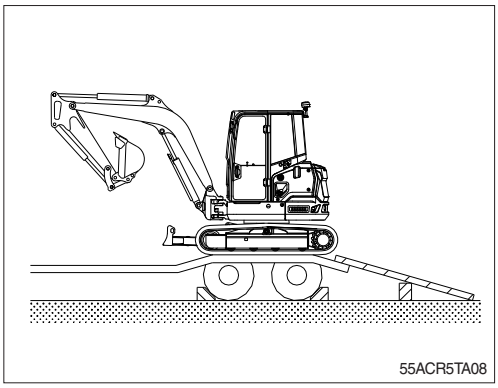
4) Do the following after loading the machine to the trailer.

(1) Stop loading when the machine is located horizontally with the rear wheel of trailer.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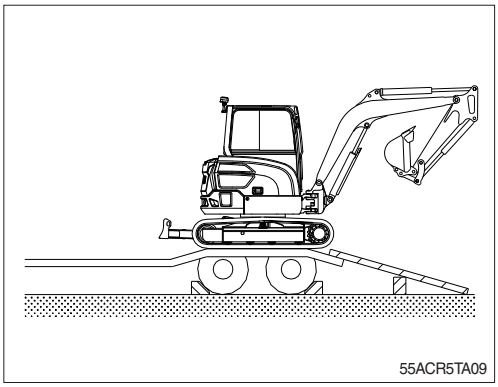
(2) Place the safety lever to the LOCK position (if equipped) after swinging the machine 180°.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(3) Lower the working equipment gently after the location is determined.

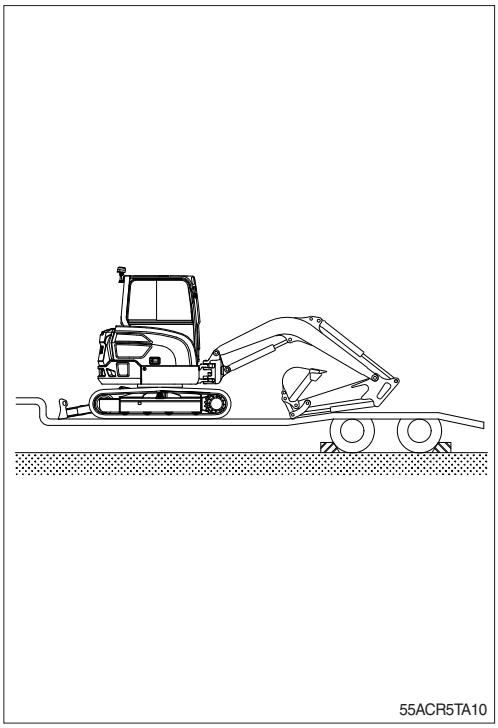
※ **Place rectangular timber under the bucket cylinder to prevent the damage of it during transportation.**

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

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

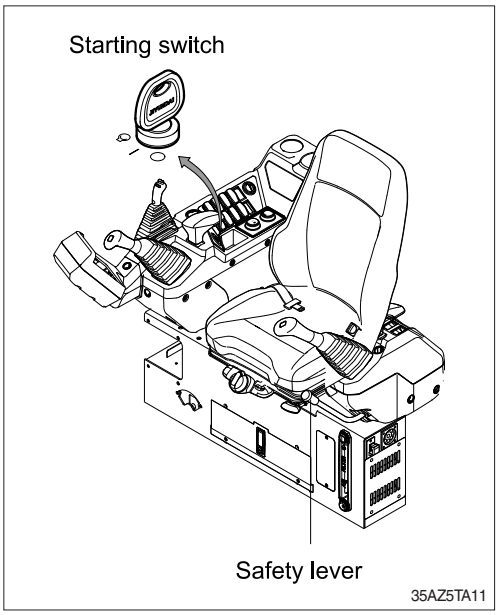
⚠ **Do not operate any other device when loading.**

⚠ **Be careful as to the boundaries of loading plate or trailer as the balance of machine will abruptly change.**

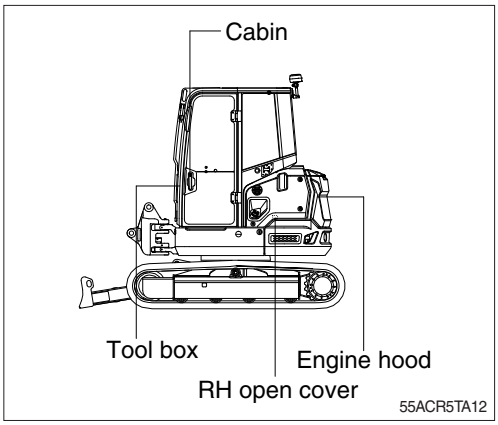


4. FIXING THE MACHINE

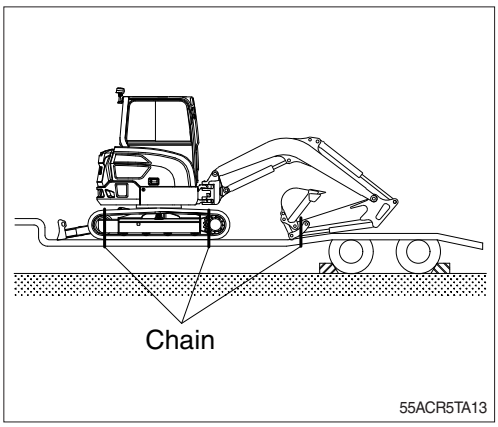
1) Lower down the working device on the loading plate of trailer.
2) Keep the safety lever in the **LOCK** position.
3) Turn **OFF** all the switches and remove the key.



4) Secure all locks.



5) Place timbers behind the tracks, secure the machine to trailer with chains or straps which are in good condition and approved for the weight which they will be securing, to prevent the machine from moving in any direction.



5. LOADING AND UNLOADING BY CRANE

⚠ The wrong hoisting method or installation of lifting device can cause serious injury, death, or damage to the machine.

1) Check the weight, length, width and height of the machine referring to chapter 2, specification when you are going to hoist the machine.
2) Use approved lifting device and ensure distance between lifting device and machine to avoid contact between the two.
3) Place rubber plates at lifting points to avoid any damage to the machine.
4) Place crane in the proper place.
5) Install approved lifting device as shown in the illustration.
6) The maximum angle of the front wire rope must not exceed 60° and the angle of the rear wire rope 45°.

※ If there is no stay, keep the angle of the rear wire rope below 15° to avoid interference with the machine.

⚠ Make sure wire rope is proper size.

⚠ Place the safety lever to LOCK position to prevent the machine from moving when hoisting the machine.

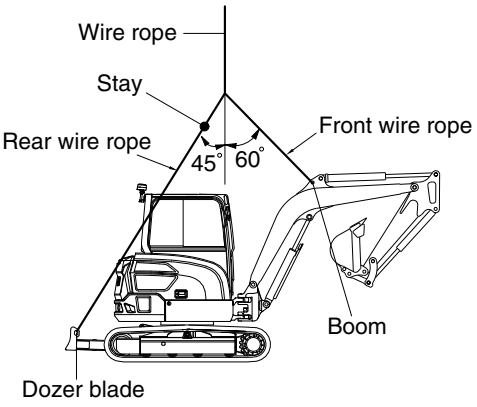
⚠ The wrong hoisting method or installation of wire rope can cause damage to the machine.

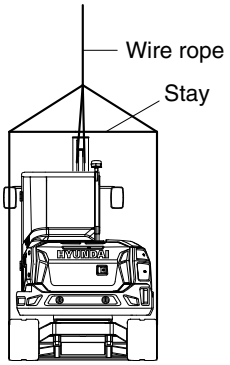
⚠ Do not load abruptly.

⚠ Keep area clear of any and all personnel.

⚠ Maintain center of gravity and balance when lifting.

⚠ Never lift the machine with a person in the cab or on the machine.





Rear view

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