TADANO

TADANO AERIAL PLATFORM
MODEL: AT-120TG
(CARRIER : HINO XZU710R)

GENERAL DATA

MAXIMUM WORKING HEIGHT		14.1 m
MAXIMUM BASKET BOTTOM HEIGHT		12.1 m
MAXIMUM BASKETLOADING CAPACITY		200 kg or two(2) persons
BOOM		3-section, 4.56m - 10.36m
DIMENSIONS	Overall Length	Approx. 5,500 mm
	Overall Width	Approx. 2,000 mm
	Overall Height	Approx. 3,350 mm
MASS	Overall Mass	Approx. 6,225Kg

Specifications are subject to change without notice.

AERIAL PLATFORM SPECIFICATIONS

MODEL	AT-120TG
MAX. BUCKET BOTTOM HEIGHT	12.1 m
BASKET EQUIPMENT	Basket Pipe made Inside dimensions (Length x width x depth) 1.0 m x 0.7 m x 0.9 m Capacity 200 kg or two(2) persons Automatic leveling system By hydraulic cylinders. Swing system Electric motor driven through worm reduction gear Swing angle 187°
BOOM	Three-section full power synchronized telescoping boom of box construction. The synchronization system consists of a double-acting hydraulic cylinder, an extension cable and a retraction cable. Hydraulic cylinder fitted with a holding valve and a pilot check valve. Fully retracted length 4.56 m Fully extended length 10.36 m Extension speed 5.8 m in 25 s
ELEVATION	By a double-acting hydraulic cylinder, fitted with a holding valve. Elevation speed -16° to 80° in 35 s
ROTATION	Hydraulic motor driven through worm reduction gear. 360 o continuous in either direction on ball bearing rotating ring. Rotating speed 1.0 min-1{rpm}
HYDRAULIC SYSTEM	Pumps: Gear pump. Control valves: Multiple remote-control valves actuated by electric remote control from rotating frame and bucket. Hydraulic tank capacity: Approx.40 L Filter Return line filter
OUTRIGGERS	Four hydraulically operated outriggers. Each outrigger controlled simultaneously or independently from rear side of carrier. Equipped with sight level gauge. Floats mounted integrally with the jacks and retract to within vehicle width. All cylinders fitted with pilot check valves. Fully extended width Front 3.3 m Rear 3.3 m
CONTROLS AND MONITORS	In basket Joy-stick levers with mode selector - vertical/horizontal mode for vertical up down, horizontal movement parallel to ground and bucket swing. - conventional mode for superstructure rotation, boom telescoping, boom elevation and bucket swing. Switches for automatic stowing, emergency stop, mode

selector (vertical/horizontal, conventional movement selector), engine start/stop and acceleration changeover(2 speed with auto-acceleration)/emergency pump.
Monitors for working area limit, emergency stop, vertical/ horizontal movement selector lamp.

On rotating frame

Switches for boom rotation, boom telescoping, boom elevation, automatic stowing, acceleration changeover(2 speed with auto-acceleration), emergency pump, emergency stop and emergency stop release.
Cocks for basket leveling control.

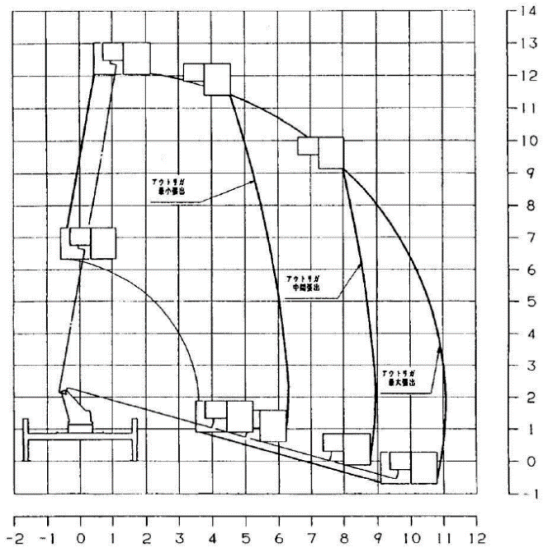
Outriggers control

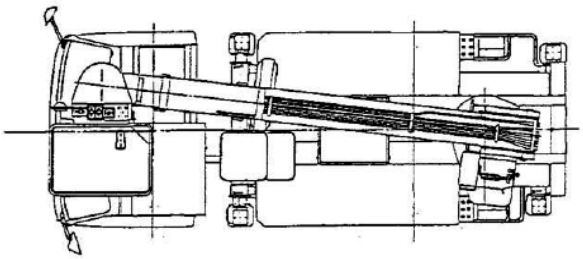
Levers for extension-retraction and outrigger selection.
Switches for acceleration (2 speed with auto-acceleration), and engine start-stop.

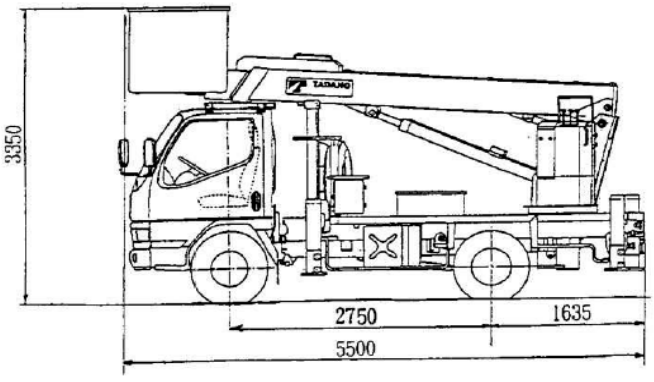
SAFETY DEVICES	Automatic moment limiter (AMC)
	Boom profile monitor system (Prevent hitting vehicle by boom and by basket)
	Automatic speed control system on boom elevation and rotation.
	Automatic speed reduction and soft stop function on boom elevation, rotation and telescoping.
	Automatic acceleration
	Boom vertical/horizontal movement device
	Boom and basket automatic stowing
	Emergency pump
	Emergency stop system
	Parking brake warning
	PTO connect warning (when drive)
	Jack interlock
	Boom interlock
	Outrigger indicator
	Shift lever interlock
	Hydraulic cylinder lock valves
	Hydraulic safety valves
	Level gauge
	Guard for operation levers
	Foot switch (on basket)
ACCESSORIES	Hour meter
	Rubber blocks (for outriggers)
	Chocks
OPTIONAL EQUIPMENT	Work light (on basket)
	Safety belt
	Grease pump
	Tools

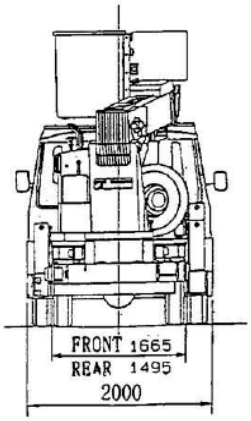
WORKING RANGE

Basket loading capacity :
200 kg or 2 persons









NOTES: 1. Working ranges shown are for a case where the aerial platform is set on firm, level ground, and do not include boom deflection.
2. “Max”, “Mid2”, “Mid1” and “Min” indicates the corresponding outrigger extension widths.
3. Working ranges above shown are for lateral directions, those for longitudinal directions are same as the one for maximum outrigger extension width, regardless of outrigger extension.
4.The applicable working range is different depending on the swing angle as shown in the right illustration.