

TADANO

RT-20

and the second

BRIDGE INSPECTION VEHICLE

BT-200

Maximum deck bottom depth : 5.4 m

Maximum deck bottom height : 7.0 m

Maximum working radius : **5.1 m**

Maximum deck loading capacity : **200 kg**

2-section boom length : 3.06 m - 5.11 m

C

2

5-section post boom length : 3.325 m - 9.825 m

3-section deck boom length : 3.5 m - 8.21 m

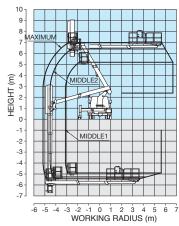
MODEL : BT-200

SPECIFICATIONS

DECK	
Outside dimensions	3.0 m x 0.85 m x 0.9 m (Length x width x depth)
Capacity	200 kg
Automatic leveling system	By a double-acting hydraulic cylinder.
Maximum deck bottom depth	5.4 m
Maximum deck bottom height	7.0 m
Maximum working radius	5.1 m
BOOM	Two-section full power telescoping boom of box
	construction. Telescopic system consists of a
	double-acting hydraulic cylinder. Hydraulic cylinder fitted
	with a holding valve and a pilot check valve.
Boom length	3.06 m – 5.11 m
Slewing system	Hydraulic motor driven through worm reduction gear.
Slewing angle	115° (Left 105° , Right 10°)
Elevation system	By a double-acting hydraulic cylinder, fitted with a
	holding valve.
Elevation angle	-15° – 60°
POST	Five-section full power telescoping boom by 2 of three
	stages hydraulic cylinders.
Boom length	3.325 m – 9.825 m
DECK 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.
Boom length	3.5 m – 8.21 m
Slewing system	Hydraulic motor driven.
Slewing angle	90°
HYDRAULIC SYSTEM	
Pumps	Gear pump
Control valves	Multiple hydraulic-control valves actuated by switch with
	integral relief valves.
	And electric remote control from deck.
Hydraulic oil tank capacity	Approx. 95 L
Filter	Return line filter
OUTRIGGERS	Four hydraulically operated outriggers equipped with
	solid Rubber tires. Each outrigger controlled
	simultaneously or independently from rear side of carrier.
Maximum extension width	Front 2.74 m, Rear 2.81 m

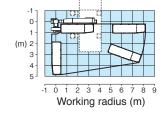
CONTROLS AND MONITORS	
In deck	Levers for boom telescoping, boom elevation/rotation, post telescoping.
	Switches for deck boom telescoping, deck boom rotation,
	emergency stop-release, automatic stow, acceleration
	change-over, emergency pump start, engine start,
	inter-phone volume control, inter-phone, emergency
	switch(operate a deck boom telescoping and slewing).
	Monitor lamps for limit of automatic motion controller(AMC)
	stow position, emergency stop.
On rotating frame	Switches for boom telescoping, boom elevation, boom rotation,
	post telescoping, deck boom telescoping, deck boom rotation
	emergency stop-release, automatic stow, acceleration
	change-over, emergency pump start, engine start, level
	adjustment, emergency switch (operate entire functions).
	Monitor lamps for limit of automatic motion controller(AMC)
	AWL 90%, AWL 100%, AMC error, stow position, emergency stop.
	Display for boom length, boom elevation angle, boom rotation
	angle, deck boom length, deck boom rotation angle,
	outrigger extension width.
Outriggers control	Levers for extension-retraction and outrigger selection.
	Monitor lamps for outrigger extension width, vehicle tipping
Truck ask	warning.
Truck cab	Switches for inter-phone.
	Monitor lamps for jack deploy, working prohibition.
SAFETY DEVICES	 AMC (automatic motion control : working range limiter) Boom and deck automatic stowing
	•Automatic speed reduction and slow stop function.
	•Automatic speed control system.
	•Boom lower surface profile function (not to hit) •Voice alarr
	•Foot switch (on deck, on rotating frame)
	•Guard for operation levers •Emergency pump
	•Emergency stop system •Jack interlock
	•Outrigger slider-interlock •Boom interlock
	•Slider lock pins •Outrigger indicator •Vehicle tipping warning
	•Hydraulic safety valves •Hydraulic cylinder lock valves
ACCESSORIES	•Hour meter •Chocks
OPTIONAL EQUIPMENT	•Work light (on deck) •Jack roller choke (float) •Marker lamp
	•Safety belt •Grease pump •Tools

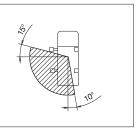
DIMENSION



DECK WORKING AREA

WORKING RANGE





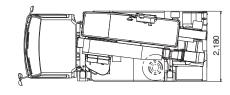
BOOM ROTATION AREA

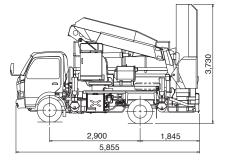
(The slanting line indicates working area)

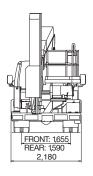


2. "MAXIMUM", "MIDDLE2" and "MIDDLE1" indicates

the corresponding outrigger extension widths.







(mm)

 This is for reference chassis, subject to change specification without notice.
 Continuing technical development requires Tadano to retain the right to make specifications, equipment and price changes without notice.

*Some specifications are subject to change



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