

# **AT-100TT**

Maximum working height

**Maximum bucket bottom height** 9.9 m

**Maximum working radius** 5.84 m

Maximum bucket loading capacity 200 kg or two (2) persons



## **MODEL: AT-100TT**

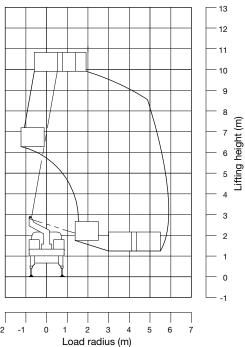
#### **SPECIFICATIONS**

MAX. BUCKET BOTTOM HEIGHT Bucket EQUIPMENT Bucket (Inside dimensions (2 apacity (200 kg or two (2) persons (200 kg or two (2) per	or con to Attoreo	
Bucket Inside dimensions Capacity Automatic leveling system Slewing angle  BOOM  BOOM  BOOM  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 Fully extended length Fully extended length Extension speed  SLEVATION  By a double-acting hydraulic cylinder fitted with a holding valve and a pilot check valve.  SLEWING  By a double-acting hydraulic cylinder, fitted with a holding valve and a pilot check valve.  SLEWING  By a double-acting hydraulic cylinder, fitted with a holding valve.  -17.5° to 80° in 25 s  SLEWING  SLEWING  Slewing speed  1.2 min <sup>-1</sup> {rpm}  HYDRAULIC SYSTEM Pumps Control valves  Gear pump.  Gear pump.  Multiple hydraulic-control valves actuated by switch with integral relief valves, on sub-frame. And electric remote control from bucket.  Approx. 37 L	MAX. BUCKET BOTTOM HEIGHT	9.9 m
Inside dimensions Capacity Automatic leveling system Slewing angle  BOOM  3-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 Fully extended length Extension speed  SLEVATION  By a double-acting hydraulic cylinder fitted with a holding valve and a pilot check valve.  SLEVATION  By a double-acting hydraulic cylinder, fitted with a holding valve.  Flevation speed  SLEWING  By a double-acting hydraulic cylinder, fitted with a holding valve.  -17.5° to 80° in 25 s  SLEWING  Hydraulic motor driven through worm reduction gear. 360° continuous in either direction on ball bearing slew ring.  Slewing speed  1.2 min <sup>-1</sup> {rpm}  HYDRAULIC SYSTEM Pumps  Control valves  Gear pump.  Gear pump.  Multiple hydraulic-control valves actuated by switch with integral relief valves, on sub-frame. And electric remote control from bucket.  Approx. 37 L	Bucket EQUIPMENT	
Capacity Automatic leveling system Slewing angle  BOOM  3-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 Fully extended length Extension speed  5.69 m in 13 s  ELEVATION  By a double-acting hydraulic cylinder, fitted with a holding valve. Flevation speed  1.7.5° to 80° in 25 s  SLEWING  Hydraulic motor driven through worm reduction gear. 360° continuous in either direction on ball bearing slew ring. Slewing speed  1.2 min <sup>-1</sup> {rpm}  HYDRAULIC SYSTEM Pumps Control valves  Multiple hydraulic-control valves actuated by switch with integral relief valves, on sub-frame. And electric remote control from bucket.  Approx. 37 L	Bucket	F.R.P (Fiber-reinforced plastics) made
Automatic leveling system Slewing angle  BOOM  3-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.  3.44 m 7.13 m Extension speed  5.69 m in 13 s  ELEVATION  By a double-acting hydraulic cylinder, fitted with a holding valve.  Elevation speed  5.17.5° to 80° in 25 s  SLEWING  Hydraulic motor driven through worm reduction gear. 360° continuous in either direction on ball bearing slew ring.  1.2 min <sup>-1</sup> {rpm}  HYDRAULIC SYSTEM Pumps  Control valves  Multiple hydraulic-control valves actuated by switch with integral relief valves, on sub-frame. And electric remote control from bucket.  Approx. 37 L	Inside dimensions	0.7 m x 1.0 m x 0.9 m (L x W x D)
Slewing angle  208° (Left 104°, Right 104°)  3-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.  3.44 m  7.13 m  Extension speed  3.69 m in 13 s  ELEVATION  By a double-acting hydraulic cylinder, fitted with a holding valve.  SLEWING  By a double-acting hydraulic cylinder, fitted with a holding valve.  1-7.5° to 80° in 25 s  SLEWING  Hydraulic motor driven through worm reduction gear. 360° continuous in either direction on ball bearing slew ring.  Slewing speed  1.2 min <sup>-1</sup> {rpm}  HYDRAULIC SYSTEM Pumps  Control valves  Multiple hydraulic-control valves actuated by switch with integral relief valves, on sub-frame. And electric remote control from bucket.  Approx. 37 L	Capacity	200 kg or two (2) persons
BOOM  3-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 Fully extended length Extension speed  5.44 m  7.13 m  8.69 m in 13 s  ELEVATION  By a double-acting hydraulic cylinder, fitted with a holding valve.  -17.5° to 80° in 25 s  SLEWING  Hydraulic motor driven through worm reduction gear. 360° continuous in either direction on ball bearing slew ring.  Slewing speed  1.2 min <sup>-1</sup> {rpm}  HYDRAULIC SYSTEM Pumps  Control valves  Multiple hydraulic-control valves actuated by switch with integral relief valves, on sub-frame. And electric remote control from bucket.  Approx. 37 L	Automatic leveling system	By hydraulic cylinders.
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 3.44 m Fully extended length 7.13 m Extension speed 3.69 m in 13 s  ELEVATION By a double-acting hydraulic cylinder, fitted with a holding valve.  Elevation speed -17.5° to 80° in 25 s  SLEWING Hydraulic motor driven through worm reduction gear. 360° continuous in either direction on ball bearing slew ring.  Slewing speed 1.2 min <sup>-1</sup> {rpm}  HYDRAULIC SYSTEM Pumps Gear pump.  Control valves Gear pump.  Multiple hydraulic-control valves actuated by switch with integral relief valves, on sub-frame. And electric remote control from bucket.  Hydraulic oil tank capacity	Slewing angle	208° (Left 104°, Right 104°)
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.  Survey and a pilot check valve.  3.44 m 7.13 m Extension speed 3.69 m in 13 s  ELEVATION By a double-acting hydraulic cylinder, fitted with a holding valve.  -17.5° to 80° in 25 s  SLEWING Hydraulic motor driven through worm reduction gear. 360° continuous in either direction on ball bearing slew ring.  Slewing speed 1.2 min <sup>-1</sup> {rpm}  HYDRAULIC SYSTEM Pumps Control valves Multiple hydraulic-control valves actuated by switch with integral relief valves, on sub-frame. And electric remote control from bucket.  Hydraulic oil tank capacity	BOOM	3-section full power synchronized telescoping
cylinder, an extension cable and a retraction cable. Hydraulic cylinder fitted with a holding valve and a pilot check valve.  Fully retracted length 7.13 m 7.13 m 7.13 m 8.269 m in 13 s 8.26		boom of box construction. The synchronization
cable. Hydraulic cylinder fitted with a holding valve and a pilot check valve.  Fully retracted length Fully extended length Extension speed  ELEVATION  By a double-acting hydraulic cylinder, fitted with a holding valve. Elevation speed  -17.5° to 80° in 25 s  SLEWING  Hydraulic motor driven through worm reduction gear. 360° continuous in either direction on ball bearing slew ring.  Slewing speed  HYDRAULIC SYSTEM Pumps Control valves  Multiple hydraulic-control valves actuated by switch with integral relief valves, on sub-frame. And electric remote control from bucket.  Hydraulic oil tank capacity		system consists of a double-acting hydraulic
valve and a pilot check valve.  3.44 m 7.13 m Extension speed 3.69 m in 13 s  ELEVATION By a double-acting hydraulic cylinder, fitted with a holding valve. Elevation speed -17.5° to 80° in 25 s  SLEWING Hydraulic motor driven through worm reduction gear. 360° continuous in either direction on ball bearing slew ring.  Slewing speed 1.2 min <sup>-1</sup> {rpm}  HYDRAULIC SYSTEM Pumps Gear pump. Control valves Multiple hydraulic-control valves actuated by switch with integral relief valves, on sub-frame. And electric remote control from bucket.  Hydraulic oil tank capacity		cylinder, an extension cable and a retraction
Fully retracted length Fully extended length Fully extended length Extension speed  SLEVATION  By a double-acting hydraulic cylinder, fitted with a holding valve.  Flevation speed  SLEWING  Hydraulic motor driven through worm reduction gear. 360° continuous in either direction on ball bearing slew ring.  Slewing speed  Hydraulic SYSTEM Pumps  Control valves  Multiple hydraulic-control valves actuated by switch with integral relief valves, on sub-frame. And electric remote control from bucket.  Approx. 37 L		cable. Hydraulic cylinder fitted with a holding
Fully extended length Extension speed  7.13 m 3.69 m in 13 s  ELEVATION  By a double-acting hydraulic cylinder, fitted with a holding valve.  -17.5° to 80° in 25 s  SLEWING  Hydraulic motor driven through worm reduction gear. 360° continuous in either direction on ball bearing slew ring.  Slewing speed  1.2 min <sup>-1</sup> {rpm}  HYDRAULIC SYSTEM Pumps  Control valves  Gear pump.  Multiple hydraulic-control valves actuated by switch with integral relief valves, on sub-frame. And electric remote control from bucket.  Hydraulic oil tank capacity		valve and a pilot check valve.
Extension speed  3.69 m in 13 s  ELEVATION  By a double-acting hydraulic cylinder, fitted with a holding valve.  -17.5° to 80° in 25 s  SLEWING  Hydraulic motor driven through worm reduction gear. 360° continuous in either direction on ball bearing slew ring.  Slewing speed  1.2 min <sup>-1</sup> {rpm}  HYDRAULIC SYSTEM Pumps  Gear pump.  Control valves  Multiple hydraulic-control valves actuated by switch with integral relief valves, on sub-frame. And electric remote control from bucket.  Hydraulic oil tank capacity	Fully retracted length	3.44 m
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with a holding valve17.5° to 80° in 25 s  SLEWING  Hydraulic motor driven through worm reduction gear. 360° continuous in either direction on ball bearing slew ring.  1.2 min-1 {rpm}  HYDRAULIC SYSTEM Pumps Control valves  Gear pump.  Gear pump.  Multiple hydraulic-control valves actuated by switch with integral relief valves, on sub-frame. And electric remote control from bucket.  Hydraulic oil tank capacity	Extension speed	3.69 m in 13 s
Elevation speed  -17.5° to 80° in 25 s  SLEWING  Hydraulic motor driven through worm reduction gear. 360° continuous in either direction on ball bearing slew ring.  1.2 min <sup>-1</sup> {rpm}  HYDRAULIC SYSTEM Pumps Control valves  Multiple hydraulic-control valves actuated by switch with integral relief valves, on sub-frame. And electric remote control from bucket.  Hydraulic oil tank capacity	ELEVATION	By a double-acting hydraulic cylinder, fitted
SLEWING  Hydraulic motor driven through worm reduction gear. 360° continuous in either direction on ball bearing slew ring.  Slewing speed  1.2 min <sup>-1</sup> {rpm}  HYDRAULIC SYSTEM Pumps Control valves  Multiple hydraulic-control valves actuated by switch with integral relief valves, on sub-frame. And electric remote control from bucket.  Hydraulic oil tank capacity  Approx. 37 L		
gear. 360° continuous in either direction on ball bearing slew ring.  Slewing speed 1.2 min <sup>-1</sup> {rpm}  HYDRAULIC SYSTEM Pumps Gear pump. Control valves Multiple hydraulic-control valves actuated by switch with integral relief valves, on sub-frame. And electric remote control from bucket.  Hydraulic oil tank capacity  Approx. 37 L	Elevation speed	-17.5° to 80° in 25 s
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Slewing speed  HYDRAULIC SYSTEM Pumps Control valves  Multiple hydraulic-control valves actuated by switch with integral relief valves, on sub-frame. And electric remote control from bucket.  Hydraulic oil tank capacity		gear. 360° continuous in either direction on ball
HYDRAULIC SYSTEM Pumps Control valves  Multiple hydraulic-control valves actuated by switch with integral relief valves, on sub-frame. And electric remote control from bucket.  Hydraulic oil tank capacity		bearing slew ring.
Pumps Control valves  Multiple hydraulic-control valves actuated by switch with integral relief valves, on sub-frame. And electric remote control from bucket.  Hydraulic oil tank capacity  Gear pump.  Multiple hydraulic-control valves actuated by switch with integral relief valves, on sub-frame.  And electric remote control from bucket.		1.2 min <sup>-1</sup> {rpm}
Control valves  Multiple hydraulic-control valves actuated by switch with integral relief valves, on sub-frame.  And electric remote control from bucket.  Hydraulic oil tank capacity  Approx. 37 L	HYDRAULIC SYSTEM	
switch with integral relief valves, on sub-frame. And electric remote control from bucket. Hydraulic oil tank capacity Approx. 37 L	Pumps	Gear pump.
And electric remote control from bucket.  Hydraulic oil tank capacity  Approx. 37 L	Control valves	Multiple hydraulic-control valves actuated by
Hydraulic oil tank capacity Approx. 37 L		,
1 7 1 1		
Filter Return line filter	Hydraulic oil tank capacity	Approx. 37 L
	Filter	Return line filter

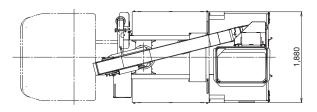
OUTRIGGERS  Outrigger width	4 hydraulically operated outriggers. Each outrigger controlled simultaneously or independently from rear side of carrier. Equipped with sight level gauge. Floats mounted integrally with the jacks and retract to within vehicle width. All cylinders fitted with pilot check valves. 1.49 m
SAFETY DEVICES	Automatic working area limiter (AMC) Boom profile monitor system (Prevent hitting vehicle by boom and by bucket) Automatic speed control system on boom elevation and slewing. Automatic speed reduction and slow stop function on boom elevation, slewing and telescoping. Automatic acceleration Boom and bucket automatic stowing Emergency pump Emergency stop system Parking brake alarm PTO connect alarm (when drive) Jack interlock Boom interlock Jack indicator Hydraulic cylinder lock valves Hydraulic safety valves Evel gauge Foot switch (on bucket)
ACCESSORIES	Storage box with drop down door • Hour meter     Floor mat (in bucket) • Chocks • Safety belt     Rubber blocks (for outriggers) • Grease pump
OPTIONAL EQUIPMENT	Storage box with slide door     Work light (on bucket)     Tools    Wood block (for outriggers)

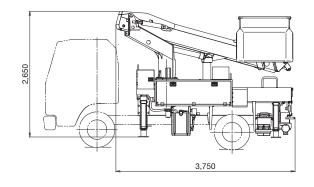
#### **WORKING RANGE**

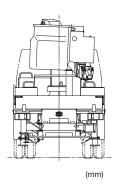
### Max. bucket loading capacity: 200 kg or 2 persons



# **DIMENSIONS (Approx.)**







NOTE: Some specifications are subject to change.



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