

# AL650

## ARTICULATED LOADERS



### Key Features

- ✓ 4-Post Canopy ROPS and FOPS Certified
- ✓ Proportional Auxiliary Hydraulics with Case Drain and Circuit Pressure Dump
- ✓ Inching Pedal
- ✓ Digital Display with Audible and Visual Indicators
- ✓ Differential Lock (Hydraulically Activated Front and Rear)
- ✓ Power-A-Tach® Attachment Mounting System (4-Point, Skid Steer and EuroStyle)
- ✓ Lift Arm with hZ-Bar Kinematics Return to Dig and Mechanical Self-Level
- ✓ Lift Arm Float Detent
- ✓ Hydraglide™ Ride Control\*
- ✓ High-Flow Auxiliary Hydraulics\*

\*Optional Features

### Key Specifications

- ✓ 6,409 lbs (2907 kg) Static Tipping Load with Bucket Straight
- ✓ 65 hp (48.5 kW) gross power @ 1560 rpm
- ✓ 8' 1" (2.47 m) height to top of ROPS
- ✓ 10' 3" (3.13 m) maximum lifting height (below forks)
- ✓ 10' 10" (3.31 m) outer turning radius

## SPECIFICATIONS

		METRIC
Capacities	Static tipping load with bucket (straight)	3059 kg
	Static tipping load with bucket (full turn)	2230 kg
	Static tipping load with forks (straight)	2405 kg
	Max. height of bucket pivot point	3.32 m
	Max. lifting height (below forks)	3.13 m
	Breakout force with bucket	5743 daN
	Static tipping load with bucket - Full turn with cab	2379 kg
Weight and dimensions	Unladen weight (with forks) with 4-post canopy	4150 kg
	Wheelbase	2007 mm
	Overall width of 4 posts canopy	1.37 m
	Overall cab width	1.37 m
	Overall height with 4 posts canopy	2.47 m
	Overall height with cab	2.47 m
	Tilt-up angle	45 °
	Tilt-down angle	45 °
	Articulation angle	45 °
	Overall width less bucket	1.65 m
	Overall length - Less Bucket	4.26 m
Engine	Ground clearance	0.37 m
	Engine brand	Yanmar
	Engine model	4TNV98CT
	Engine norm	Stage V
	Number of cylinders / Capacity of cylinders	4 - 3300 cm <sup>3</sup>
	I.C. Engine power rating / Power	64.40 Hp / 48 kW
	Max. torque / Engine rotation	280 Nm / 2300 rpm
Transmission	Engine cooling system	2 radiators water + hydraulic oil
	Transmission type	Hydrostatic
	Number of gears (forward / reverse)	2 / 2
	Max. travel speed (may vary according to applicable regulations)	30 km/h
	Travel speed (laden)	30 km/h
	Differential lock	Front and rear locking of the machine
	Parking brake	Manual
Hydraulics	Service brake	Hydraulic drum brake on front axle, acting on all 4 wheels
	Hydraulic pump type	Gear pump
	Hydraulic flow - Pressure	69.50 l/min / 200 bar
	High-Flow Option (l/min)	97 l/min
Tank capacities	Drive hydraulic system pressure	420 bar
	Hydraulic oil	73.80 l
Noise and vibration	Fuel tank	95 l
	Vibration on hands/arms	< 2.50 m/s <sup>2</sup>
Miscellaneous	Safety cab homologation	ROPS - FOPS cab (level 1)



## STANDARD FEATURES

- Z-Bar Loader Linkage w/ Limited Self-Leveling
- Inching Pedal
- Lift Tilt Electronic Lockout Switch
- Adjustable and telescopic steering column
- Proportional Auxiliary Hydraulics w/ Case Drain & Circuit Pressure Dump
- Removable Rubber Floormat
- Tilt & Lift Arm Float Detent with Detent Disable
- Two-Speed Hydrostatic Drive System
- Power-A-Tach® Attachment Mounting System
- Reverse and Brake Tail Lights
- Differential Lock
- Articulation Locking Bar
- Front and Rear - Work Lights
- Canopy
- 12Volt Power Port
- Horn
- Cup Holder

## OPTIONAL FEATURES

- Adaptive air suspension cloth-covered seat with heating and electric lumbar adjustment
- Back-Up Alarm
- Rotating Beacon
- Lockable Storage Box
- Engine Block Heater
- Canopy
- Speed control
- 12Volt Power Port
- Rear Auxiliary Hydraulics
- LED Work Lights
- Cabin with Heat
- Hydraglide™ Ride Control
- Strobe Light

Manitou Group reminds users to read and understand the operator's manual before operating any equipment. Also, make sure all safety devices and shields are in place and functioning properly. Manitou Group reserves the right to add improvements or make changes in specifications at any time without notice or obligation.



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GEHL COMPACT EQUIPMENT