

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 Z-Bar Kinematics, Limited Self-Level and Mechanical Return to Dig
- ✓ 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

		IMPERIAL	METRIC
Capacities	Static tipping load with bucket (straight)	6744 lb	3059 kg
	Static tipping load with bucket (full turn)	4916 lb	2230 kg
	Static tipping load with forks (straight)	5302 lb	2405 kg
	Max. height of bucket pivot point	10 ft 11 in	3.32 m
	Max. lifting height (below forks)	10 ft 3 in	3.13 m
	Breakout force with bucket	5743 daN	5743 daN
Weight and dimensions	Unladen weight (with forks) with 4-post canopy	9149 lb	4150 kg
	Wheelbase	79 in	2007 mm
	Overall width of 4 posts canopy	4 ft 6 in	1.37 m
	Overall cab width	4 ft 6 in	1.37 m
	Overall height with 4 posts canopy	8 ft 1 in	2.47 m
	Overall height with cab	8 ft 1 in	2.47 m
	Tilt-up angle	45 °	45 °
	Tilt-down angle	45 °	45 °
	Articulation angle	45 °	45 °
	Overall width less bucket	5 ft 5 in	1.65 m
Engine	Overall length - Less Bucket	14 ft	4.26 m
	Ground clearance	1 ft 3 in	0.37 m
	Engine brand	Yanmar	Yanmar
	Engine model	4TNV98CT	4TNV98CT
	Engine norm	Tier 4 final	Tier 4 final
	Number of cylinders / Capacity of cylinders	4 - 201 in³	4 - 3300 cm³
	I.C. Engine power rating / Power	64.40 Hp / 48 kW	64.40 Hp / 48 kW
Transmission	Max. torque / Engine rotation	207 ft/lbs / 2300 rpm	280 Nm / 2300 rpm
	Engine cooling system	2 radiators water + hydraulic oil	2 radiators water + hydraulic oil
	Transmission type	Hydrostatic	Hydrostatic
	Number of gears (forward / reverse)	2 / 2	2 / 2
	Max. travel speed (may vary according to applicable regulations)	19 mph	30 km/h
	Travel speed (laden)	19 mph	30 km/h
	Differential lock	Front and rear locking of the machine	Front and rear locking of the machine
Hydraulics	Parking brake	Manual	Manual
	Service brake	Hydraulic drum brake on front axle, acting on all 4 wheels	Hydraulic drum brake on front axle, acting on all 4 wheels
	Hydraulic pump type	Gear pump	Gear pump
	Hydraulic flow - Pressure	18 US gpm / 2901 PSI	69.50 l/min / 200 bar
Tank capacities	High-Flow Option (l/min)	26 US gpm	97 l/min
	Drive hydraulic system pressure	6092 PSI	420 bar
Noise and vibration	Hydraulic oil	19 US gal	73.80 l
	Fuel tank	25 US gal	95 l
Miscellaneous	Vibration on hands/arms	< 2.50 m/s²	< 2.50 m/s²
	Cab certification	ROPS - FOPS cab (level 1)	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 Floor mat
- 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
- LED work lights - On the top of the boom (fixed part) (x2)

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