

# 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 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                              |
| 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                                |
|   | Ground clearance   | 0.37 m                                |
|   | Engine   | Engine brand                          |
| Engine model                                |  | 4TNV98CT                              |
| Engine norm                                 |  | Tier 4 final                          |
| 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                     |
| Engine cooling system                       | 2 radiators water + hydraulic oil                                |                                       |
| Transmission                                | 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                                |
| Service brake                               | Hydraulic drum brake on front axle, acting on all 4 wheels       |                                       |
| Hydraulics                                  | Hydraulic pump type  | Gear pump                             |
|   | Hydraulic flow - Pressure  | 69.50 l/min / 200 bar                 |
|   | High-Flow Option (l/min)   | 97 l/min                              |
|   | Drive hydraulic system pressure                                  | 420 bar                               |
| Tank capacities                             | Hydraulic oil  | 73.80 l                               |
|   | Fuel tank  | 95 l                                  |
| Noise and vibration                         | 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
- LED work lights on the boom (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