

5065

Wheel Loader

Rugged on the outside and intelligent on the inside.

The all-wheel drive 5065, which has become known as the "650", is a model in the 5 Series and is synonymous with compactness and maneuverability. The bucket volume of 0.65 m³ to 1.1 m³ and the standard Kramer quick-release plate allow unbeatable flexibility for any application. The undivided frame and proven all-wheel steering ensure maximum stability and maneuverability on uneven terrain. Especially in road construction, horticulture and landscaping, the machine is easily able to lift a stone pallet - a special feature in this size class.

Flexible use:&amp;#160;A bucket volume from 0.65 m³ to 1.1 m³ depending on material density.

Safety: The convenient and intuitive operation of all functions creates safety, even for novice drivers.

Constant payload: Due to the undivided frame, the vehicle has an unchanged vehicle length which enables a constantly high payload.

Environmentally friendly engine technology: One 35 kW engine with exhaust stage V, as well as DOC and DPF.

Technical Data

Standard engine data

Engine manufacturer	Yanmar
Drive output	34.3 kW
Drive output	46 PS
Cylinder capacity	2,190 cm³
Exhaust standard level	V
Exhaust aftertreatment	DOC / DPF

Weights

Bucket capacity (standard bucket)	0.65 m³
Operating weight	3,200 - 4,300 kg
Payload (S=1.25)	1,750 kg
Lift capacity (max.)	32.5 kN
Tipping load (standard bucket)	2,340 kg
Tipping load (pallet fork)	2,187 kg

Filling levels

Tank capacity for fuel	60 l
Tank capacity for hydraulic oil	58 l

Drive system

Travel speed Standard	0-20 km/h
Travel speed Option 1	0-30 km/h

Hydraulic system

Work hydraulics discharge volume (max.)	56 l/min

Kinematics

Kinematics type	P

Steering

Steering angle max.	35 degree

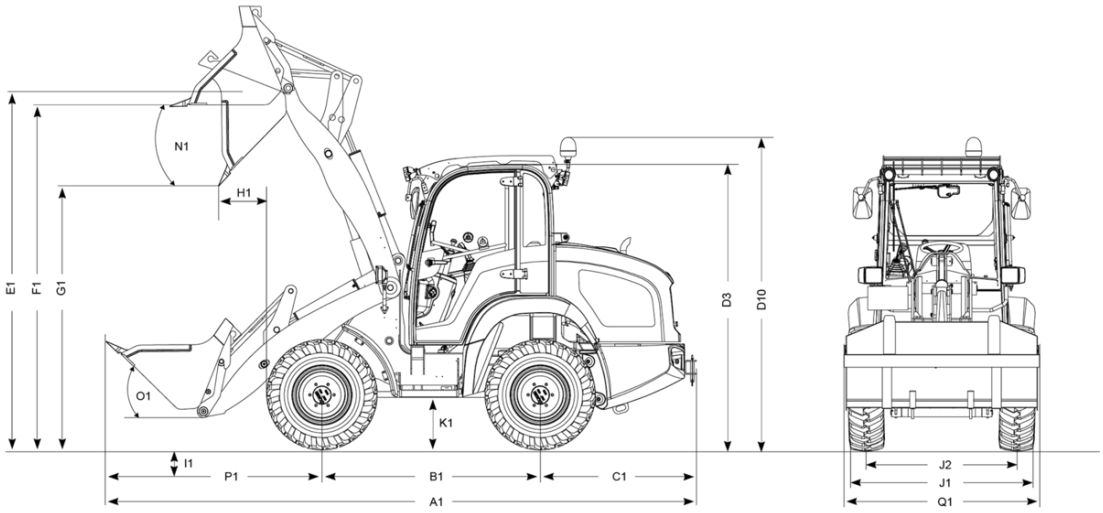
Noise characteristic values

Guaranteed sound power level LwA (cabin)	101 dB(A)
Measured sound power level LwA	100.3 dB(A)
Sound pressure level at the operator's ear	79 dB(A)

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Dimensions



A1	Total length with standard attachment	4,950 mm
A2	extended loading system	5,140 mm
B1	Wheel base center	1,850 mm
C1	Rear overhang	1,320 mm
D3	Height with cab	2,390 mm
D5	Height of cab with protective grille	2,470 mm
D10	Total height of cabin with rotating beacon	2,390 mm
E1	Max. height blade pivot point	3,050 mm
E2	Max. height of hinge pin height extended loading system	3,300 mm
F1	Load-over height	2,750 mm
F2	Load-over height extended loading system	3,150 mm
G1	Dumping height	2,310 mm
G2	extended loading system	2,650 mm
H1	Dumping width	315 mm
H2	Dumping range extended loading system	410 mm
I1	Digging depth	55 mm
J1	Total width	1,590 mm
J2	Track width	1,262 mm
K1	Ground clearance	280 mm
L1	Turning radius outer edge wheels	2,700 mm
M1	Steering angle	38 °
M2	Swing angle	16 °
N1	Dumping angle at max. lifting height	45 °
O1	Dumping angle at ground level	45 °
P1	Distance center front axle to tooth tip	1,780 mm
Q1	Bucket width	1,650 mm
R1	Stacking height	2,950 mm

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Standard components

Operator's cab

- Cab
- Soundproofed, vibration-damped cab with thermal glazing
- Fully glazed door on the left, vent window on the right, each adjustable and lockable in two positions (180° and 10°)
- 3-speed powerful heating and ventilation, sun visor, windscreen wipers at front and rear, rear view mirror
- Cab lighting, 12 V-outlet
- Mechanical pilot-operated joystick, 3rd control circuit with continuous function, with roll switch for travel direction selection
- Color-coded toggle switch for hydraulic, electric, driving and safety features
- Mechanically-sprung operator's seat with faux leather cover (MSG20) with automatic seat belt; weight, back and horizontal adjustment
- Work light 1x LED Basic on rear (1000 Lumen)
- StVZO-lighting

Engine

- Battery disconnector switch

Power transmission

- Brake inching pedal
- Mechanical parking brake
- Planetary steering axles
- Pendulum pin lubrication line

Steering and work hydraulics

- Hydrostatic all-wheel steering with emergency steering properties
- Combined suction-return filter
- Mechanical pilot-operated joystick for lifting/lowering and filling/emptying the loader unit function with a rocker switch for selecting the travel direction as well as an integrated 3rd control circuit (proportional control) and functional lighting integrated into the joystick
- Independent final position synchronization

Kinematics

- Parallel kinematics
- Hydraulic quick-hitch plate

Documentation

- Operator's manual, service manual
- Operator's manual, service manual

Options

Operator's cab & Cabine

- Rotating LED beacon (yellow)
- Cabin with heater (standard)
- Cab with heater and rear heated window
- Work light, 1 additional unit in rear
- Work light, 2 units in front
- LED work light, 2 units in front, 2 units in the rear

The following option require a cabin version (cabin with heater or cabin with heater and heated rear windscreen)

- Operator’s seat with fabric cover and high backrest (MSG20)
- Air-sprung operator's seat with lumbar support (MSG75GL/521)
- Air-conditioning system
- Radio-ready (antenna, speaker)
- Radio system (radio, antenna, speaker)
- Rotating LED beacon (yellow)
- Auxiliary heating, including engine pre-heater, programmable
- Seat contact switch (standard for Canopy)

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Drive system & steering

- Front wheel steering
- High gear 30 km/h *
  - only in association with
    - Front wheel steering
    - License plate illumination, including license plate bracket in front
    - Load stabilizer (vibration damper)
- Low-speed device and hand throttle

* Maximum speed with tires, 12.0-18 and 325/70 R18 is 27 km/h
*With 41.1 kW engine 30 km/h is possible

Equipment for road traffic

- License plate illumination, including license plate bracket in front
- Data confirmation (ABE) for self-propelled working machine (standard) *

* Germany, Luxembourg, Netherlands, Austria, Slovakia, Czech Republic, Switzerland, Estonia, Latvia, Lithuania, Hungary

Ball hitches

In conjunction with a trailer coupling the front wheel steering and rear outlet must always be selected

- Ball hitch trailer coupling
- Self-actuating trailer coupling, rotatable

Engine

- Engine with increased power (Yanmar 41.1 kW / 55.8 hp) - EU Stage V emission level
- Fuel filter with transparent sight glass

Quick change plates & Loading system

- Load stabilizer (vibration damper)
- Hydraulic quick coupler, EURO system (technical data and available attachments differ)
- Loading system with increased lifting height (payload and bucket volume may be reduced)

Hydraulics

- Floating position
- 3rd control circuit, electrically operated (s/w) (standard)
- Unpressurised return line, front, including overflow oil line
- Pressure release of 3rd control circuit
- Filling the hydraulic system with environmentally friendly and biodegradable hydraulic oil
- Fuel pre-heating (12 V) - with hydraulic oil pre-heating (230 V)

Electrical system

- Outlet for rear attachments, 7-pole
- Outlet for front add-on equipment, 7-pole (2 switch positions)

Safety options

- Reversing alarm (acoustic)
- Red/white warning stripes (in accordance with DIN 30710)
- EquipCare Dual ID (on request)
- Immobilizer system, integrated in the ignition switch key
- Fire extinguisher (2 kg)
- FOPS protective grating (class 2)
- Pipe-break protection for lift and tilting cylinders
- Protective measures for use in aggressive materials (salt and fertilizer use)

Other

- Single-colour custom-made paint finish as per RAL (grey parts are not included)*

* We reserve the right to decline paint finishes that present similarities to protected colours or colour combinations of other manufacturers.

Tires

- Alliance 12.0-18 A-317 - Universal tread
- Michelin 340/80R18 BIBLOAD - Multi-purpose tread
- Alliance 340/80 R18 Multi-use 550 - Municipal profile
- Alliance 365/70 R18 608 ET 25
- Alliance 340/80 R18 580 ET 38
- Trelleborg 340/80R18 TH500 ET+25

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Extended warranties

- Security 24 (2000 h)
- Security 36 (3000 H)
- Security 48 (4000 H)
- Security 48 (5000 H)
- Security 60 (4000 H)
- Security 60 (5000 H)

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