

Norcar a60



Versatile and efficient

Norcar a60 is essentially a versatile working machine. The stable extension boom allows high-lift tasks to be completed easily and safely. The lifting height with pallet forks is 2.8 meters. The lifting boom is simply and comfortably controlled using a joystick with an electric switch to control extension and auxiliary hydraulics.

An adjustable steering wheel and a comfortable suspension seat provides a restful ride. The drive system with a foot throttle and direction pedal allows the loader to be controlled with incredible precision, even with demanding equipment and terrain. Norcar a60 is an effective tool where jobs vary between loading trucks, shoveling snow, and moving soil.



Engine

| | |
|---------------------------------------|--------|
| Make | Kubota |
| Model | 1105 |
| Cylinders | 3 |
| Fuel type | Diesel |
| Cylinder volume cm ³ | 1123 |
| Cooling system | Fluid |

Power

| | |
|-------------------------------------|-----------|
| SAE, gross power kW/hp | 19,4/26,4 |
| Max gross torque Nm | 72 |
| At engine speed r/min | 2200 |
| Max engine speed without load r/min | 3000 |

Electrical systems

| | |
|--------------------|---------|
| Battery V-Ah. | 12 - 53 |
| Generator A | 40 |

Service volumes

| | |
|---------------------------------------|----|
| Cooling system l | 6 |
| Engine oil l | 5 |
| Fuel tank l | 20 |
| Hydraulic tank l | 50 |
| Hydraulic system total volume l | 55 |

Performance

| | |
|------------------------------------|------|
| Lifting power hydraulic kg. | 1150 |
| Breakout force 50cm kg | 960 |
| Tipping load, straight kg | 960 |
| Tipping load, articulated kg | 770 |
| Operating weight kg | 1320 |
| Drive speed km/h | 0-15 |
| Pulling force kg | 700 |

Hydraulic system

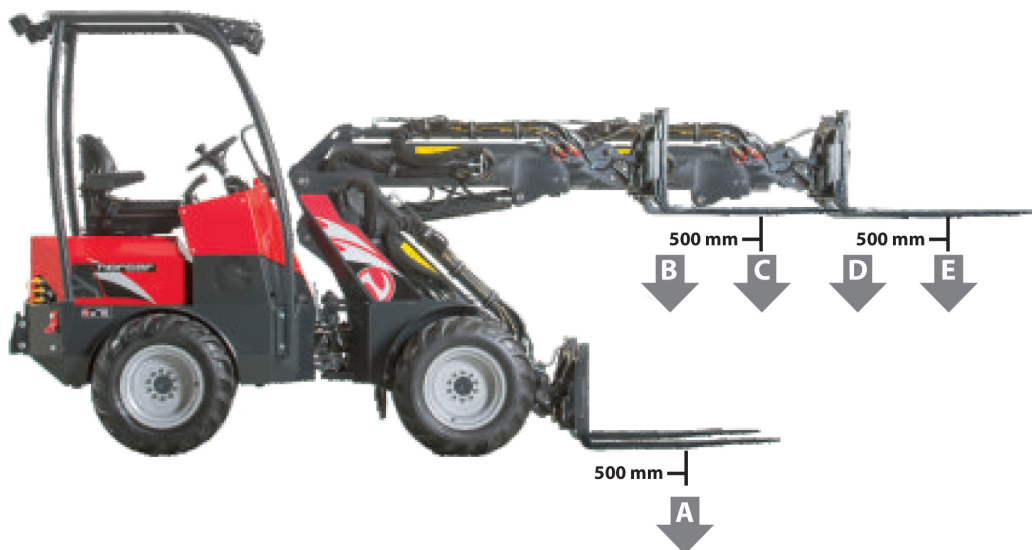
| | |
|---------------------------------------|-----|
| Working hydraulics l/min | 24 |
| System pressure bar | 240 |
| Drivetrain hydraulics l/min | 63 |
| Drivetrain max system pressure bar .. | 350 |

Cycle times

| | |
|--|-----|
| Raising boom s | 3,7 |
| Lowering boom s | 2,2 |
| Folding in bucket s | 2,6 |
| Tipping bucket s | 1,6 |
| Steering wheel rotations L/R rev | 3/4 |

Tires

| | |
|-----------------|-------------|
| Dimension | 23x8,5-12IN |
|-----------------|-------------|

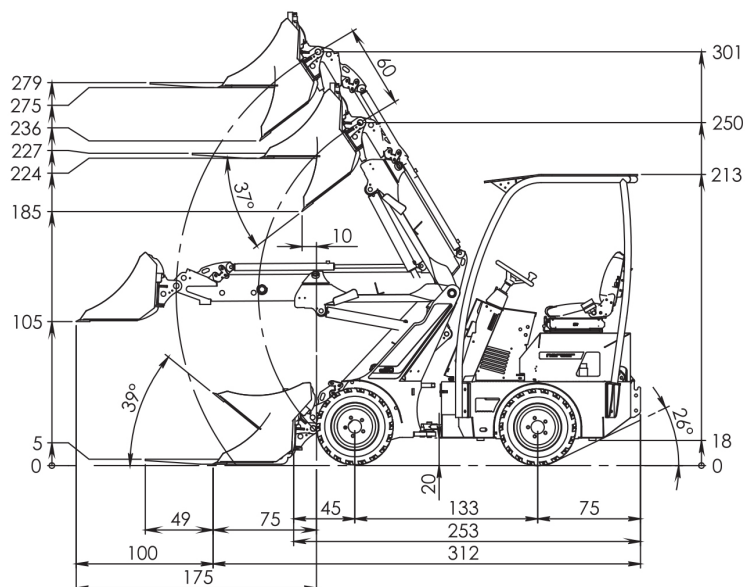
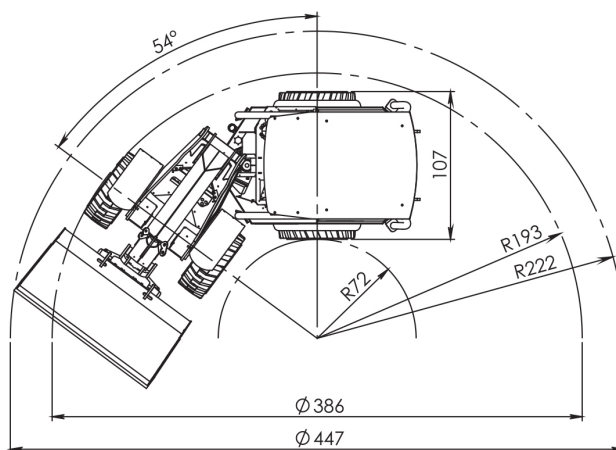


Parallel leveller, 7001741, increases lifting power with pallet forks by up to 20%. See lift values for the a62 with parallel lifting as standard.

Standard machine

+extra counter weights 180 kg

| Tipping load with pallet forks | Straight | Articulated | Straight | Articulated |
|-----------------------------------|----------|-------------|----------|-------------|
| A. Transport position kg | 750 | 700 | 750 | 750 |
| B. Boom horizontal kg | 1150 | 730 | 1150 | 950 |
| C. Boom horizontal kg | 805 | 510 | 900 | 660 |
| D. Boom horizontal + extension kg | 690 | 440 | 825 | 570 |
| E. Boom horizontal + extension kg | 560 | 340 | 675 | 425 |



Standard Equipment a60

Roll bar ROPS, seatbelt
Working lights, front
Electrically maneuvered parking brake/safety system
Float on the lifting boom
Hand throttle/Foot throttle
Engine speed and hour meter, engine heat and fuel level gauges
Suspension seat with armrests
Adjustable steering column



Extension Boom

600 mm telescope gives good lifting height and reach. Electronically controlled with lifting boom's joystick.



Traction control

Provides better traction on slippery or uneven surfaces. Traction is guaranteed on the same side wheels.



Tire 23 x 8,5 - 12 IN

Durable multi-purpose tire that can withstand heavy loads. Suitable for work on harder surfaces such as asphalt, concrete, and hard packed gravel. Machine width 107 cm.



Hydraulic Outlet, front

Electrically operated double acting hydraulic outlets, front (1 and 2) and free return (3). Controls hydraulic tools directly with the joystick's buttons. Mode for continuous operation and free return useful for eg. lawn mowers. Hydraulic oil flow max 24l/min.



Additional Equipment a60

Driving Options




Two Speed Ranges
Change between pulling force and speed.
Low gear: 0-9km/h, pulling force 1100kg
High gear: 0-19km/h, pulling force 550kg

7001739




Full traction control
Provides continuous traction on all wheels, regardless of terrain.

7001831



Parallel leveller
Keeps equipment in the set position regardless of the boom's movements. Increases safety and precision during lifts, especially with pallet forks. Increases lifting power by up to 20%.


7001741



Oscillation lock
Locks the loader's pendular movement in the joint. Can be used during eg. leveling tasks when the tool needs to be parallel to the rear wheels.

7002337

Stage 3B
Tier 4



Environmental engine
Diesel engine with emission class Tier 4, Stage 3B. Environmentally friendly engine with low emissions. The engine is built to meet the emission requirements for Stage 3B in Europe and Tier 4 in the United States.

7004950

Tires


Tire 23 x 8,5 - 12 IN
Durable multi-purpose tire that can withstand heavy loads. Suitable for work on harder surfaces such as asphalt, concrete, and hard packed gravel. Machine width 99 cm.

7001744




Tire 23 x 10,5 - 15 GR
Densely patterned tire. Soft tire that is gentle to surfaces and grips well. Suitable for work on grass, gravel paths and roads. The tire is also good on snow and ice. Tire width gives low ground pressure. Machine width 113 cm.

7001769




Tire 23 x 10,5 - 12 TR
Tractor patterned tire. Provides good traction and is suitable for softer surfaces such as soil, sand, and gravel. Tread pattern is designed to keep the tire clean while driving on wet surfaces. Machine width 113 cm.

7001768



Tire 23 x 12,5 - 12 GR
Densely patterned tire. Soft tire that is gentle to surfaces and grips well. Suitable for work on grass, gravel paths and roads. The tire is also good on snow and ice. Tire width gives low ground pressure. Machine width 125 cm.


7001746



Tire 23 x 10-12 IN
Compact puncture proof tire without air. Durable and can withstand heavy loads. Increases machine weight. Machine width 113 cm.


7001767

Hydraulics




Extra Hydraulic Outlet, front
Electrically operated double-acting hydraulic outlets (4 and 5). Provides the ability to control several hydraulic functions on attachments directly with buttons on the joystick. Hydraulic oil flow max 24 l/min.

7001743




Hydraulic Oil Cooler
Maintains hydraulic oil's temperature at correct level while operating tools that require high oil flow during long driving periods.

7001835



Hydraulic Outlet, rear
Single acting hydraulic outlet (R1) and free return (R3). Controls hydraulic attachments directly with joystick buttons. Rear hydraulic outlets should not be connected at the same time as hydraulic outlet, front. Hydraulic oil flow max 24 l/min.

7001743



Hydraulic Quick Lock
Change attachments quickly and easily without leaving the driver's seat.

7005116



Additional Equipment a60

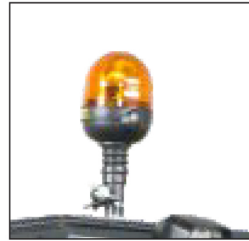
Traffic



Traffic Equipment

Lights and equipment necessary for driving on public roads. Inspection and registration is required for driving on public roads and can vary between countries. Consult your dealer for advice regarding inspection in your region.

7001825



Beacon Light

Warns surroundings of working vehicle. Rear working lights included.

7001750



Rear Working Lights

Effective lighting, mounted at the back of the protective cage.

7001749



Rear View Mirrors

Rear view mirrors mounted on each side of the loader. The mirrors provide a comfortable and secure drive.

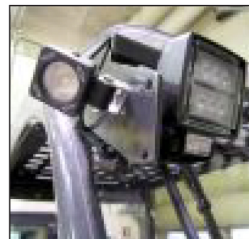
7002604



Generator 60A

A more effective generator for machines with high power consumption. Recommended for machines with traffic equipment and cab with heat.

7003279



LED work lighting

Work lighting with efficient LEDs. The lighting package contains seven LED fixture mounted forward, back and on the sides of the top of the roll bar, and a fixture attached to the front end to provide effective lighting for the attachment.

7006036

Additional Accessories



Seat Heater

Heat in the seat's sitting part increases comfort when driving in cold weather.

7001747



Seat Rotation

The seat can easily be rotated when working with equipment mounted at the back of the machine. eg. backhoe.

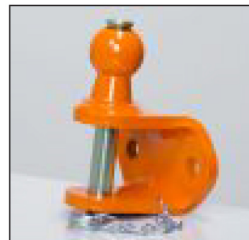
7002336



Engine Pre-heater

Improves starting ability and decreases wear during cold starts. Recommended plug-in time 30 min.

7001748



Hitch Combo

Hitch with standard 50 mm ball combined with pin for trailer towing eye. Mounting Plate 7001923 needed for installation.

7001837



Bottom Armour

Steel plate mounted below the engine and front frame, protects the machine when working in difficult terrain.

7001751



Hitch

Hitch with standard 50 mm ball. Mounting Plate 7001923 needed for installation.

7001836



FOPS Protective Roof

Steel roof that protects the operator from falling objects. Recommended for rental machines and is often mandatory on construction sites.

7003277



Mounting Plate for Counter Weight and Hitch Bracket

Mounting plate for attaching hitch, along with space for 4 x 45 kg extra weights.

7001923



Counter Weight 205 kg

Compact counter weight, attached and secured with bolts. Lifting lugs for easy mounting. The weights cannot be used together with other rear mounted equipment.

7004506



Counter Weight 45 kg

Increases the machine's stability during handling of heavy loads. Easily installed without tools on Mounting Plate 7001923. Max 4x (180kg).

7001911



Equip your a-series mini loader with more comfort. Options include windscreen, light cab without door, or complete light cab with heat. Learn more about options on p.37 and 38.