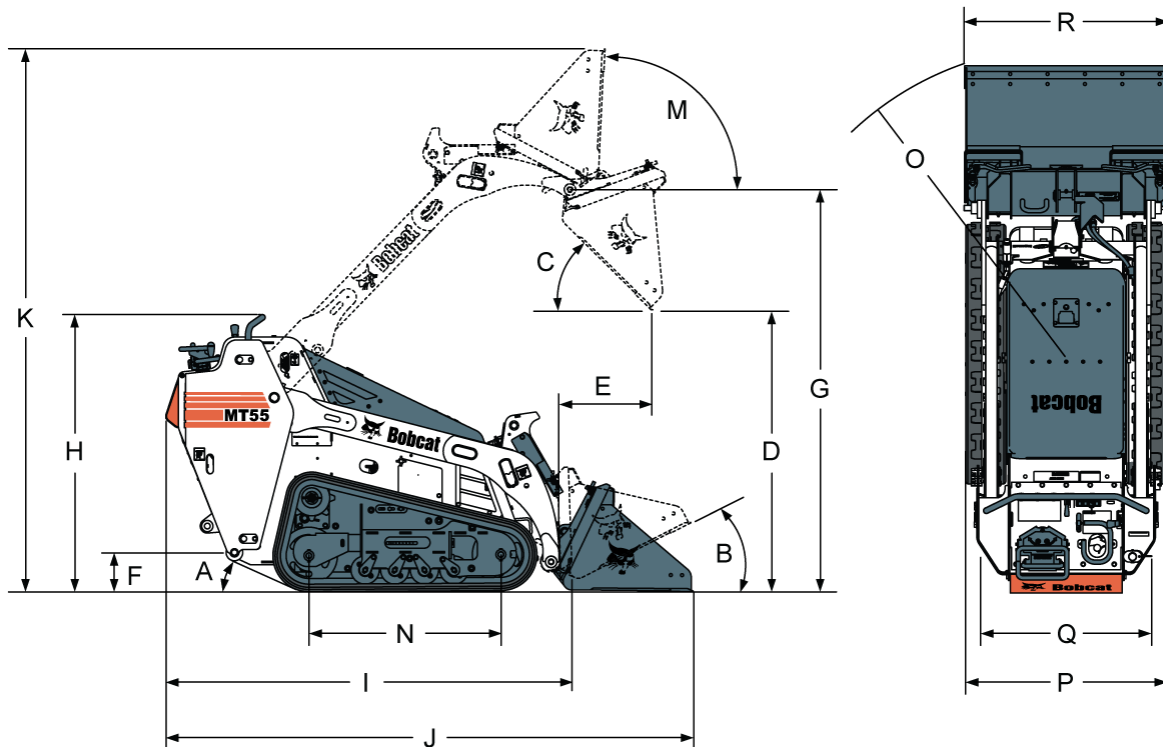


Dimensions



(A) Angle of departure	23.3°
Carry position	168 mm
(C) Dump angle at maximum height	49.6°
(D) Dump height with standard bucket	1265 mm
(E) Dump reach at maximum height	463 mm
(F) Ground clearance	114 mm
(G) Height to bucket hinge pin	1807 mm
(H) Height	1246 mm
(I) Length without attachment	1838 mm
(J) Length with standard bucket	2365 mm
(K) Operating height	2422 mm
(B) Rollback at ground position	22°
(M) Rollback fully raised at maximum height	82.3°
(N) Ground contact length	863 mm
(O) Turning radius with standard bucket	1395 mm
(P) Width over tracks	903 mm
(Q) Track	724 mm
(R) Width over standard bucket, 36-inch	914 mm

Machine Rating

Lift breakout force	7784 N
Tilt breakout force	12989 N
Ground pressure	28.3 kPa
Rated operating capacity (ISO 5998)	254 kg
Tipping load (ISO 8313)	732 kg

Cycle Times

Raise lift arms	2.9 s
Lower lift arms	2.0 s
Bucket rollback	1.4 s
Bucket dump	1.6 s

Weights

Operating weight	1186 kg
Shipping weight	1109 kg

Engine

Make / Model	Kubota / D902-E3B
Fuel	Diesel
Cooling	Liquid
Power at 3600 RPM	17.5 kW
Rated speed (EEC 80/1269, ISO 9249)	3600 RPM
Torque at 2600 RPM (ISO 9249)	54.2 Nm
Number of cylinders	3
Displacement	0.9 l
Bore	72 mm
Stroke	73.6 mm
Fuel consumption	4.2 l/h (Estimated fuel consumption is based on testing by Bobcat Company in high duty-cycle digging applications.)
Lubrication	Gear pump pressure
Crankcase ventilation	Closed breathing
Air filter	Dry replaceable cartridge with safety element
Ignition	Diesel-compression
Starting aid	Glow plugs

Electrical

Alternator	Belt driven — 40 A — open
Battery	12 V — 530 cold cranking A at -18°C — 75 min reserve capacity
Starter	12 V — gear reduction type — 2.7 kW

Hydraulic System

Pump type	Engine driven, gear type
Pump capacity at 3750 RPM – standard	45.4 l/min
System relief at quick couplers	200 bar
Control valve	Three-spool, open-centre with float detent on lift
Hydraulic filter	Full-flow replaceable — 10 µm synthetic media element
Fluid lines	SAE standard tubelines, hoses, and fittings

Hydraulic Cylinders

Lift cylinder (2)	Double-acting
Lift cylinder bore	57.2 mm
Lift cylinder rod	31.8 mm
Lift cylinder stroke	359.7 mm
Tilt cylinder (1)	Double-acting
Tilt cylinder bore	76.2 mm
Tilt cylinder rod	31.8 mm
Tilt cylinder stroke	268.2 mm

Drive System

Transmission	Infinitely variable tandem hydrostatic piston pumps, driving two fully reversing hydrostatic motors
Tracks	180 mm width. Compression spring with triple flange rollers
Main drive	Fully hydraulic; rubber track drive

Traction

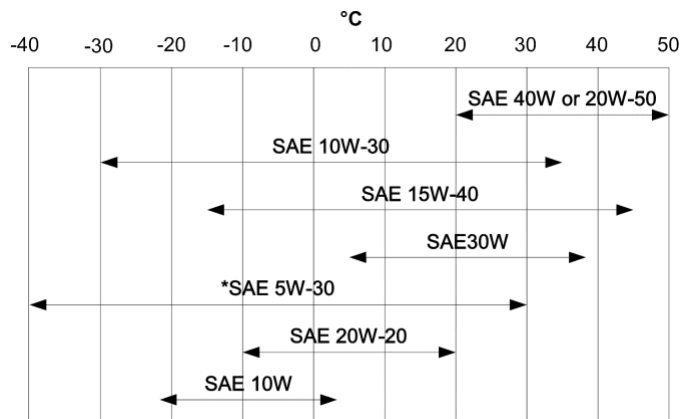
Tracks	180 mm wide, rubber
Travel speed, forward	5.6 km/h
Travel speed, reverse	2.3 km/h

Fluid Capacities

Cooling system	6.62 l
Engine oil with filter	3.59 l
Fuel tank	26.5 l
Hydraulic reservoir	9.5 l
Hydraulic system	20.0 l

Fluid Specifications

Engine coolant	Bobcat PG Coolant 5 l can - 6904844A 25 l container - 6904844B 209 l drum - 6904844C 1000 l tank - 6904844D
Engine oil	Oil must meet API Service Classification of CD, CE, CF4, CG4, or better. Recommended SAE viscosity number for anticipated temperature range.



* Can be used only when available with appropriate diesel rating.
For synthetic oil use the recommendation from the oil manufacturer.

Hydraulic fluid	Bobcat Superior SH 5 l can - 6904842A 25 l container - 6904842B 209 l drum - 6904842C 1000 l tank - 6904842D Bobcat Bio Hydraulic 5 l can - 6904843A 25 l container - 6904843B 209 l drum - 6904843C 1000 l tank - 6904843D
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Controls

Engine Starting	Hand lever throttle Key-type starter switch and shutdown. Glow plugs automatically activated by key switch.
Front auxiliary (standard)	Forwards/backwards movement of hand lever
Loader hydraulics tilt and lift	Hand lever
Service brake	Two independent hydraulic circuits controlled by one hand lever
Secondary brake	One of the hydrostatic transmissions
Parking brake	Hand lever on right-hand side of control panel
Vehicle steering	Direction and speed controlled by one hand lever
Auxiliary pressure release	Forwards/backwards movement of hand lever after engine has been shut off

Instrumentation

The following loader functions are monitored by a combination of gauges and warning lights in the operator's line of sight. The system alerts the operator of monitored loader malfunctions by way of audible alarm and visual warning lights.

- Gauges
 - Engine coolant temperature
 - Fuel
 - Hour-meter
 - System voltage
- Warning lights
 - Engine oil pressure
 - Hydraulic oil temperature

Serviceability

Access is available to the following:

- Through the rear door:
 - Battery
 - Fuel filter
- Under the hood:
 - Air cleaner
 - Alternator
 - Engine oil and hydraulic filters
 - Engine oil dipstick
 - Fuse/relay centre
 - Starter
- Through the instrument panel:
 - Cooling system (radiator and hydraulic oil coolers)

Easy access to all lift arm grease points

Rod end of the tilt cylinder has a replaceable bushing

Standard Features

- Auxiliary hydraulics
- Bob-Tach™
- Built-in tie down and crane/lift locations
- Hydraulic drive train
- Instrumentation
- Lift arm lockout with manual bypass
- Lift arm support
- Neutral start interlocks
- Parking brake
- Reverse travel stop panel
- Spark arrestor muffler
- Tilt lockout
- Tracks — rubber — 180 mm
- CE certification
- Warranty: 12 months or 2000 hours, whichever occurs first

Options

- Dealer Installed Options
 - Attachment control kit
 - Catalytic exhaust purifier
 - Engine block heater
 - Light kit
 - Ride-on platform
 - Shutdown kit

Attachments

For specific model availability, see Bobcat Product Price List.

- Angle broom
- Auger
- Bucket
- Combination bucket
- Hydraulic breaker
- Landplane
- Pallet forks
- Snow blower
- Soil conditioner
- Stump grinder
- Tiller
- Trencher
- Utility blade
- Utility forks
- Utility grapple

Environmental

Noise level L_{pA} (EU Directive 2000/14/EC)	88 dB(A)
Noise level L_{WA} (EU Directive 2000/14/EC)	103 dB(A)
Whole body vibration (ISO 2631-1)	— ms^{-2}
Hand-arm vibration (ISO 5349-1)	6.15 ms^{-2}

Safety

Lift and tilt lockout, standard	Prevents lowering the lift arms or attachment when the engine is off.
Lift arm bypass control, standard	Used to lower the lift arms in the event that the lift arms cannot be lowered during normal operating conditions.
Lift arm support, standard	Use when servicing if lift arms are raised.
Lift points, standard	Lift points are included so loader may be lifted into remote areas.
Neutral start interlocks, standard	Prevents starting of engine when drive levers or hydraulic auxiliary lever is engaged.
Operation and maintenance manual, standard	Stored inside the rear door in a weather-resistant container.
Parking brake, standard	Provides operation and maintenance instructions.
Reverse travel stop panel, standard	Always set the brake when the loader is not in use.
	Returns drive levers to neutral when activated.