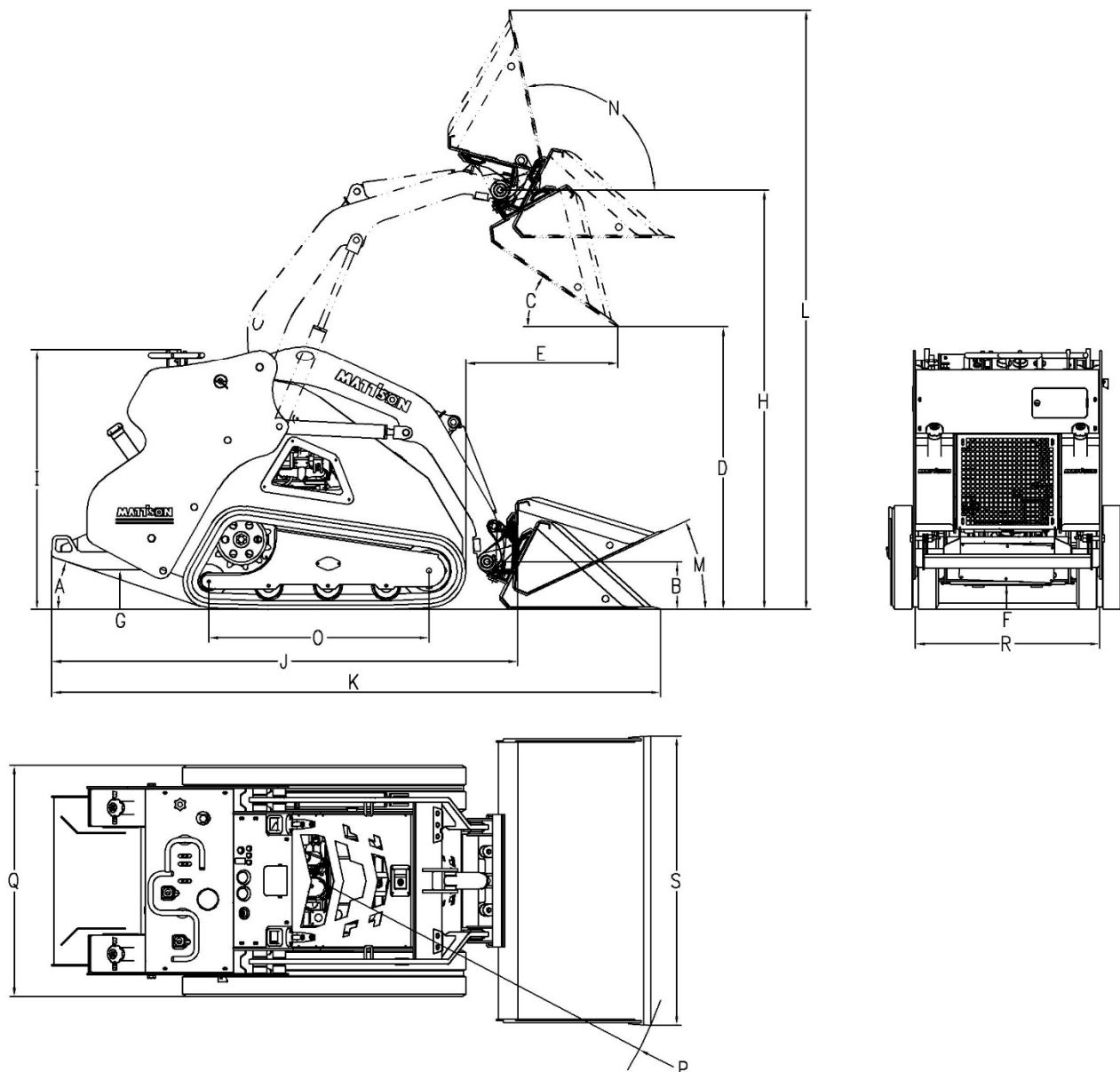


ML525L Mini Track Loader Specifications

DIMENSIONS



A. Angle of Departure	18°
B. Carry Position	206 mm
C. Dump Angle @ Maximum Height	34°
D. Dump Height with Standard Bucket	1229 mm
E. Dump Reach @ Maximum Height	658 mm
F. Ground Clearance	108 mm
G. Ground Clearance-under platform	173 mm
H. Height to Bucket Hinge Pin	1821 mm
I. Height	1130 mm
J. Length without Attachment	2020 mm

K. Length with Standard Bucket	2642 mm
L. Operating Height	2602 mm
M. Rollback @carryPosition.....	25°
N. Rollback Fully Raised @ Maximum Height.....	102°
O. Ground Contact Length	955 mm
P. Turning Radius with Standard Bucket	1570 mm
Q. Width	1000 mm
R. Wheel Tread (over tracks)	800 mm
S. Width with 36" Bucket	1250 mm

MATTSON ML525L Mini Track Loader

PERFORMANCE

Operating Capacity (35%)	238 kg
Operating Capacity (50%)	340 kg
Tipping Capacity.....	680 kg
Weight (no attachment)	1090 kg
Travel Speed	5.6 km/h

ENGINE/ELECTRICAL

Make/Model	Kubota // D1105-E4B-CSR-1
Fuel/Cooling	Diesel/Liquid
Horsepower (SAE Gross)	18.5kW
Maximum Governed RPM	3000 RPM
Torque @ 2200 RPM (SAE Net)	71.5 Nm
Number of Cylinders	3
Displacement	1.123L
Bore/Stroke	78mm/78.4 mm
Fuel Consumption	6.1 L/h
Lubrication	Gear Pump Pressure
Crankcase Ventilation	Closed
Air Cleaner	Dry replaceable cartridge with safety element
Ignition	Diesel-Compression
Engine Coolant.....	Propylene glycol/water mix (53%-47%) with freeze protection to -37°C
Starting Aid	Glow plugs
Alternator	Belt Driven; 40 amps; Open
Battery	12 V; 45Ah
Starter	12 volt; Gear Reduction Type; 1.4 kW

HYDRAULIC SYSTEM

Pump Type	Engine driven, Two Gear type
Pump Capacity	53.4L/min@ 3000 RPM
System Relief @ Quick Couplers	210 Bar
Hydraulic Filter	Full flow replaceable, 10 micron synthetic media element
Hydraulic Cylinders	Double-acting
Main Control Valve	5-Spool, open center series parallel configuration
Attachment Control Valve.....	2-Spool, open center series parallel configuration
<i>Bore Diameter</i>	
Lift Cylinder (2)	45mm
Tilt Cylinder (1)	55mm
<i>Rod Diameter</i>	
Lift Cylinder (2)	25 mm

MATTSON ML525L Mini Track Loader

Tilt Cylinder (1) 30 mm

Stroke

Lift Cylinder (2) 345 mm

Tilt Cylinder (1) 292mm

Hydraulic Function Times

Raise Lift Arms 3.5 Seconds

Lower Lift Arms 2.4 Seconds

Bucket Dump 2.5 Seconds

Bucket Rollback 1.8 Seconds

DRIVE SYSTEM

Main Drive Fully hydraulic rubber track drive

Transmission Direct drive of hydraulic motor to main undercarriage drive sprocket

Tracks 200 mm wide

Rollers 3 Each side

Pressure 25.4 kPa

CAPACITIES

Cooling System 5.2 L

Fuel Tank 35 L

Engine Oil with Filter 5.1L

Hydraulic Reservoir 34 L

Hydraulic System 40 L

CONTROLS

Vehicle Steering Direction and speed controlled by two handle

Lift & Tilt Controlled by one hand lever

Front Auxiliary (Std.) Controlled by one hand lever

Auxiliary Pressure Release .. Fore and aft movement of hand lever after engine has been shut off.

Engine Hand lever throttle: Key-type starter switch and shutdown

Starting Aid Glow Plugs – Activated by key switch

INSTRUMENTATION

The mini track loader conditions are monitored by a combination of gauges and warning lights in the operator's line of sight that monitor the following functions. The system shall alert the operator of monitored loader malfunctions by way of an visual warning lights.

Gauges

Hourmeter

Fuel

Warning Lights

Engine Oil Pressure

Engine Coolant Temperature

System Voltage