

Technical sheet :

1900 R



 **MANITOU**
HANDLING YOUR WORLD

Capacities		Imperial
Rated Operating Capacity		1900 lb
Rated Operating Capacity with Optional Counterweight		2110 lb
Unladen weight		6881 lb
Weight and dimensions		
Overall Operating Height - Fully Raised	h27	158 in
Height to Hinge Pin – Fully Raised	h28	121 in
Overall Height to Top of ROPS	h17	80 in
Dump angle at full height	a5	42 °
Dump height	h29	91 in
Overall length with bucket	l16	127 in
Dump reach - Full height	r6	23 in
Rollback at ground	a13	26 °
Seat to ground height	h30	39 in
Wheelbase	y	42 in
Overall width less bucket	b1	64 in
Bucket Width	e1	66 in
Ground clearance	m4	6 in
Overall length - Less Bucket	l2	94 in
Departure angle	a2	25 °
Clearance Circle - Front without Bucket	b19	44 in
Clearance Circle - Rear	wa1	59 in
Performances		
Travel Speed with Two-Speed Option - Maximum		12 mi/h
Travel speed (unladen)		8 mi/h
Wheels		
Standard tyres		10.00x16.5 HD
Engine		
Engine brand		Yanmar
Engine model		4TNV98C-NMS
Gross Power (kW)		52 kW
Net Power (kW)		51 kW
Max. torque / Engine rotation		178 ft/lbs / 2500 rpm
Battery		12 V
Alternator		95 kW
Starter (kW)		3 kW
Hydraulics		
Standard flow - Auxiliary hydraulics		19 US gpm
Auxiliary Hydraulic Pressure		3002 PSI
High-Flow Auxiliary Hydraulics – Option		31 US gpm
High-Flow Auxiliary Hydraulics Pressure – Option		2901 PSI
Tank capacities		
Fuel tank		17 US gal
Reservoir Capacity Hydraulics		8 US gal
Displacement		0.87 US gal
Noise and vibration		
Environmental noise (LwA)		101 dB
Noise at driving position (LpA)		85 dB
Whole-Body Vibration (ISO 2631-1)		0.80 m/s ²
Vibration to whole hand/arm		< 1.30 m/s ²

1900 R - Dimensional drawing



Equipment

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Integral Access Plate (removable)	Standard
Lifting function	
All-Tach® Attachment Mounting System	Standard
Auxiliary Hydraulics	Standard
High-Flow Auxiliary Hydraulics	Optional
Power-A-Tach® Attachment Mounting System	Optional
Lighting	
Work Lights - Front and Rear	Standard
Motorization/Power	
Engine Auto-Shutdown System	Standard
Engine Block Heater	Optional
Two-Speed Drive	Optional
Operator station	
Adjustable Arm Rests / Control Towers 1	Standard
Air conditioning with manual adjustment	Optional
Air suspension seat	Optional
Cab Enclosure	Optional
Dual-Hand Controls	Optional
Foot and Hand Throttles 2	Standard
Gehl T-Bar Controls	Optional
Hand/Foot Controls	Optional
Heating	Optional
High-Back Adjustable Seat	Standard
Horn	Standard
Joystick controls	Optional
ROPS/FOPS Level II Overhead Guard	Standard
Sound Reduction Material	Standard
Suspension Seat - Mechanical	Optional
Other options	
Hydrostatic Drive - Servo	Standard
Selectable Self-Leveling Hydraulic Lift Action 4	Optional
Secondary functions	
Counterweight	Optional
Full Instrumentation	Standard
Hydraglide™ Ride Control 3	Optional
Security	
Anti-Vandalism Protection	Standard
Back-Up Alarm	Optional
Brake Control (Auto / Manual)	Standard
Hydraloc™ Safety System	Standard
Lift Arm Support Device	Standard
Operator Restraint Bar	Standard



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