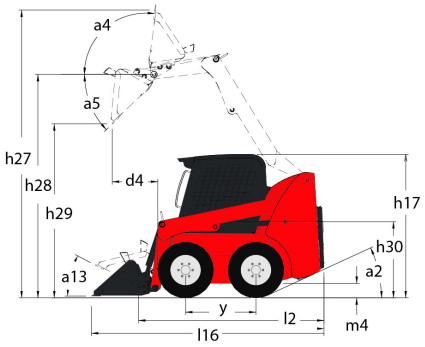
Technical sheet :

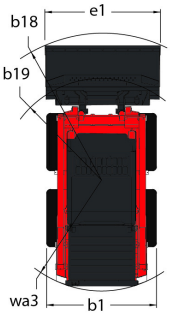
1050 R

MANITOU
HANDLING YOUR WORLD

Capacities		Metric
Rated Operating Capacity		476 kg
Rated Operating Capacity with Optional Counterweight		533 kg
Unladen weight		1905 kg
Weight and dimensions		
Overall Operating Height - Fully Raised	h27	3546 mm
Height to Hinge Pin – Fully Raised	h28	2746 mm
Overall Height to Top of ROPS	h17	1786 mm
Dump angle at full height	a5	42 °
Dump height	h29	2146 mm
Overall length with bucket	l16	2896 mm
Dump reach at full height		579 mm
Rollback at ground		29 °
Seat to ground height	h30	828 mm
Wheelbase	y	876 mm
Overall width less bucket	b1	1229 mm
Bucket Width	e1	1404 mm
Ground clearance	m4	152 mm
Overall length - Less Bucket	l2	2258 mm
Departure angle	a2	26 °
Clearance Radius - Front with Bucket		1763 mm
Clearance Circle - Front without Bucket	b19	1120 mm
Clearance Circle - Rear	wa1	1374 mm
Performances		
Travel speed (unladen)		9.50 km/h
Wheels		
Standard tyres		27x8.5x15 HD
Engine		
Engine brand		Yanmar
Engine model		3TNV88C-KMS
Gross Power (kW)		25.50 kW
Net Power (kW)		24.70 kW
Max. torque / Engine rotation		108 Nm / 2800 rpm
Battery		12 V
Alternator		40 kW
Starter (kW)		2.30 kW
Hydraulics		
Standard flow - Auxiliary hydraulics		55.10 l/min
Auxiliary Hydraulic Pressure		189.60 Bar
Tank capacities		
Fuel tank		39.40 l
Reservoir Capacity Hydraulics		30.30 l
Displacement		1.60 l
Noise and vibration		
Environmental noise (LwA)		101 dB(A)
Noise at driving position (LpA)		80 dB(A)
Whole-Body Vibration (ISO 2631-1)		0.81 m/s²
Vibration to whole hand/arm		< 0.93 m/s²

Dimensional drawing





Equipment

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Integral Access Plate (removable)	Standard
Lifting function	
All-Tach® Attachment Mounting System	Standard
Auxiliary Hydraulics	Standard
Lighting	
Work Lights - Front and Rear	Standard
Motorization/Power	
Engine Block Heater	Standard
Operator station	
Cab Enclosure	Optional
Foot and Hand Throttles 2	Standard
Gehl T-Bar Controls	Standard
Hand/Foot Controls	Standard
Heating	Optional
High-Back Adjustable Seat	Standard
Horn	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
Safety	
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
Secondary functions	
Counterweight	Optional
Full Instrumentation	Standard

Siège Social
430 rue de l'Aubinière - 44150 Ancenis Cedex - France
Tel: +33(0)2 40 09 10 11 - Fax: +33 (0)2 40 09 10 97
www.manitou.com

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