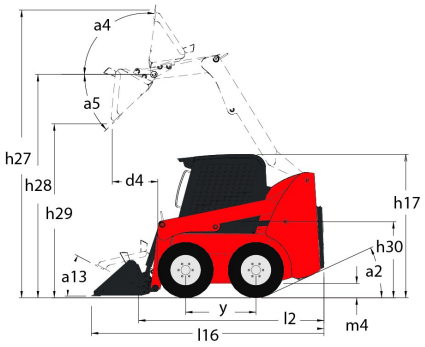
Technical sheet :

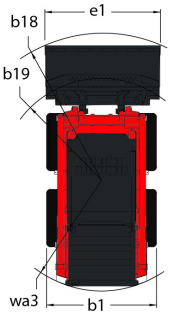
850 R

MANITOU
HANDLING YOUR WORLD

Capacities		Metric
Rated Operating Capacity		386 kg
Unladen weight		1352 kg
Weight and dimensions		
Overall Operating Height - Fully Raised	h27	3167 mm
Height to Hinge Pin – Fully Raised	h28	2438 mm
Overall Height to Top of ROPS	h17	1897 mm
Dump angle at full height	a5	46 °
Dump height	h29	1836 mm
Overall length with bucket	l16	2576 mm
Dump reach at full height		376 mm
Rollback at ground		23 °
Seat to ground height	h30	879 mm
Wheelbase	y	775 mm
Overall width less bucket	b1	909 mm
Bucket Width	e1	914 mm
Ground clearance	m4	150 m
Overall length - Less Bucket	l2	1905 mm
Departure angle	a2	30 °
Clearance Radius - Front with Bucket		1473 mm
Clearance Circle - Front without Bucket	b19	833 mm
Clearance Circle - Rear	wa1	1097 mm
Performances		
Travel speed (unladen)		8.90 km/h
Wheels		
Standard tyres		5.70x12
Engine		
Engine brand		Yanmar
Engine model		3TNV82A-BPMSR
Gross Power (kW)		18.10 kW
Net Power (kW)		17.80 kW
Max. torque / Engine rotation		86 Nm / 2400 rpm
Battery		12 V
Alternator		40 kW
Starter (kW)		1.70 kW
Hydraulics		
Standard flow - Auxiliary hydraulics		38.20 l/min
Auxiliary Hydraulic Pressure		145 Bar
Tank capacities		
Fuel tank		29 l
Reservoir Capacity Hydraulics		27.30 l
Displacement		1.30 l
Noise and vibration		
Environmental noise (LwA)		101 dB(A)
Noise at driving position (LpA)		85 dB(A)
Whole-Body Vibration (ISO 2631-1)		1.05 m/s²
Vibration to whole hand/arm		< 1.53 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	Optional
Operator station	
Cab Enclosure	Optional
Foot and Hand Throttles 2	Standard
Full-Suspension Seat	Optional
Gehl T-Bar Controls	Standard
Heating	Optional
Horn	Optional
ROPS/FOPS Level II Overhead Guard	Standard
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

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