Technical sheet :

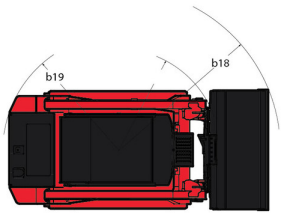
3200VT



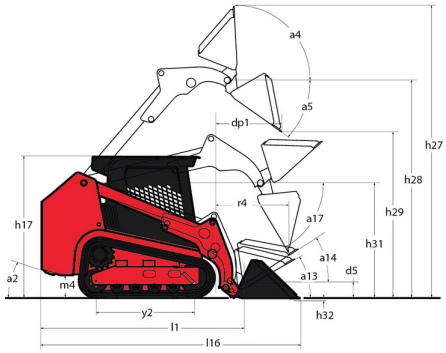
MANITOU
HANDLING YOUR WORLD

Capacities		Metric	Imperial
Max. capacity	Q	4148 kg	9145 lb
Operating Weight		5267 kg	11612 lb
Operating Capacity at 35% Tipping Load		1452 kg	3201 lb
Operating Capacity At 50% Tipping Load		2074 kg	4572 lb
Tipping capacity		4148 kg	9145 lb
Weight and dimensions			
Overall Operating Height - Fully Raised	h27	4293 mm	169 in
Height to Hinge Pin – Fully Raised	h28	3302 mm	130 in
Dump reach - Full height	r6	1026 mm	40 in
Dump angle at full height	a5	41 °	41 °
Dump Height - Fully Raised	h29	2530 mm	100 in
Maximum Rollback Angle - Fully Raised	a4	90 °	90 °
Overall Height to top of ROPS	h17	2111 mm	83 in
Overall length with bucket	l16	4059 mm	160 in
Departure angle	a2	24 °	24 °
Overall Length without Bucket	l1	3243 mm	128 in
Specified Height	h31	1938 mm	76 in
Reach at Specified Height	r4	751 mm	30 in
Dump angle at specified height	a17	68 °	68 °
Maximum Rollback Angle at Ground	a13	31 °	31 °
Carry Position	d5	199 mm	8 in
Maximum Rollback Angle at Carry Position	a14	31 °	31 °
Digging Position	h32	19 mm	0.75 in
Angle of Departure with STD Counterweight		24 °	24 °
Ground clearance	m4	309 mm	12 in
Track gauge	b10	1313 mm	52 in
Track Shoe Width	b20	450 mm	18 in
Crawler base	y2	1570 mm	62 in
Overall width less bucket	b1	1766 mm	70 in
Bucket Width	e1	2131 mm	84 in
Clearance Radius - Front with Bucket	b18	2442 mm	96 in
Clearance Circle - Rear	wa1	1870 mm	74 in
Maximum rollback at specified height		64.50 °	64.50 °
Angle of Approach	a3	90 °	90 °
Grouser Height		25.40 mm	1 in
Track Type / Track Rollers / Roller Type		Rubber / 5 / Steel	Rubber / 5 / Steel
Performances			
Ground Speed - Single Speed		8.60 km/h	5 mph
Ground Speed - Two Speed		12.60 km/h	8 mph
Drawbar Pull/Tractive Effort		5792 kg	12769 lb
Bucket Breakout - Tilt Cylinder		4492 kg	9903 lb
Bucket Breakout - Lift Cylinder		3398 kg	7491 lb
Engine			
Engine brand		Deutz	Deutz
Engine model		TD 3.6	TD 3.6
Motor Type		Axial Piston with Planetary Gear Box Reduction	Axial Piston with Planetary Gear Box Reduction
Gross Power / Power		85 kW @ 2300 rpm	85 kW @ 2300 rpm
Net Power / Power		80.80 kW / 2300 rpm	80.80 kW / 2300 rpm
Max. torque		430 Nm	317 ft/lbs
I.C. Engine power rating		114 Hp	114 Hp
Battery voltage		12 V	12 V
Cold Cranking Amps at Temperature (CCA)		950 A	950 A
Alternator - Voltage / Ampere		14 V / 95 A	14 V / 95 A
Hydraulics			
Standard flow - Auxiliary hydraulics		102.20 l/min	27 US gpm
High-Flow Auxiliary Hydraulics – Option		142.71 l/min	38 US gpm
Tank capacities			
Oil Pan Capacity		8.50 l	2 US gal
Hydraulic tank capacity		62.50 l	17 US gal
Fuel tank		123 l	32 US gal
Coolant system capacity		19.30 l	5 US gal
Displacement / Number of cylinders		3.60 l / 4	0.95 US gal / 4
Miscellaneous			
Ground Pressure		0.37 bar	5 PSI

3200VT - Dimensional drawing







Equipment

Lifting function	
All-Tach® Attachment Mounting System	Standard
Auxiliary Hydraulics	Standard
Electronic Attachment Control - 14-Pin Connector	Optional
High-Flow Auxiliary Hydraulics	Optional
IdealTrax™ Automatic Track Tensioning System	Standard
Power-A-Tach® Attachment Mounting System	Optional
Motorization/Power	
Combination Radiator & Hydraulic Oil Cooler	Standard
Dual-Element Air Cleaner with Indicator	Standard
ECO Mode	Standard
Elevated Planetary Final Drives	Standard
Glowplugs Starts Assist	Standard
Two-Speed Hydrostatic Drive System	Standard
Operator station	
Air suspension seat	Optional
Foot Throttle	Standard
Full-Suspension Seat	Standard
IdealAccess™ Fold-Up Door	Optional
Multi-Function Display Screen	Standard
Pressurized Cab Enclosure with A/C	Optional
Rearview Camera	Standard
ROPS/FOPS Level II Overhead Guard	Standard
Sliding Side Windows	Standard
Swing-out Cab Door	Standard
Other options	
Selectable Self-Leveling Hydraulic Lift Action 4	Optional
Pneumatics	
Rubber Track Undercarriage System	Standard
Single Flange Front/Dual Flange Rear Idlers	Standard
Secondary functions	
Counterweight	Standard
Dedicated Undercarriage	Standard
Security	
Anti-Vandalism Lock Provisions	Standard
Back-Up Alarm	Standard
Easy Manager	Standard
Engine Alert System with Error Display	Standard
Mechanical Lift Cylinder Lock	Standard
Tilt-out Foot Pod	Standard

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