

Technical sheet :

1050RT



 **MANITOU**
HANDLING YOUR WORLD

Capacities		Metric
Operating Weight		2141 kg
Unladen weight		1928 kg
Operating Capacity at 35% Tipping Load		476 kg
Operating Capacity At 50% Tipping Load		680 kg
Tipping capacity		1361 kg
Weight and dimensions		
Overall Operating Height - Fully Raised	h27	3650 mm
Height to Hinge Pin - Fully Raised	h28	2769 mm
Dump reach - Full height	r6	673.10 mm
Dump angle at full height	a5	38 °
Dump Height - Fully Raised	h29	2134 mm
Maximum Rollback Angle - Fully Raised	a4	102 °
Overall Height to top of ROPS	h17	1816 mm
Overall length with bucket	l16	2985 mm
Overall Length without Bucket	l1	2258 mm
Specified Height	h31	1466 mm
Reach at Specified Height	r4	991 mm
Dump angle at specified height	a17	72 °
Carry Position	d5	127 mm
Maximum Rollback Angle at Carry Position	a14	32 °
Digging Position	h32	0 mm
Angle of Departure with STD Counterweight		35 °
Ground clearance	m4	191 mm
Track gauge	b10	1039 mm
Track Shoe Width	b20	250 mm
Crawler base	y2	1283 mm
Overall width less bucket	b1	1290 mm
Bucket Width	e1	1372 mm
Clearance Radius - Front with Bucket	b18	1854 mm
Angle of Approach	a3	90 °
Grouser Height		25 mm
Track Type / Track Rollers / Roller Type		Rubber / 4 / Steel
Performances		
Ground Speed - Single Speed		10.10 km/h
Drawbar Pull/Traction Effort		1996 kg
Bucket Breakout - Tilt Cylinder		1346 kg
Bucket Breakout - Lift Cylinder		1376 kg
Engine		
Engine brand		Yanmar
Engine model		3TNV88C-KMSV
Motor Type		Radial Piston
Gross Power		2800 rpm
Net Power / Power		23.70 kW / 2800 rpm
Max. torque		109.40 Nm
I.C. Engine power rating		34.20 Hp
Battery voltage		12 V
Cold Cranking Amps at Temperature (CCA)		800 A
Alternator - Voltage / Ampere		12 V / 55 A
Hydraulics		
Standard flow - Auxiliary hydraulics		55 l/min
Tank capacities		
Oil Pan Capacity		5.87 l
Hydraulic tank capacity		30 l
Fuel tank		36 l
Liquid cooling tank volume		6.62 l
Displacement / Number of cylinders		1.64 l / 3
Noise and vibration		
Noise to environment (LwA)		101 dB
Noise at driving position (LpA)		85.80 dB
Miscellaneous		
Ground Pressure		0.33 bar

Technical drawing of a skid steer loader (Fig. 1) showing dimensions and labels. The drawing includes the following labels and dimensions:

- Labels:** a2, a4, a5, a13, a14, a17, a18, a19, a20, a21, a22, a23, a24, a25, a26, a27, a28, a29, a30, a31, a32, a33, a34, a35, a36, a37, a38, a39, a40, a41, a42, a43, a44, a45, a46, a47, a48, a49, a50, a51, a52, a53, a54, a55, a56, a57, a58, a59, a60, a61, a62, a63, a64, a65, a66, a67, a68, a69, a70, a71, a72, a73, a74, a75, a76, a77, a78, a79, a80, a81, a82, a83, a84, a85, a86, a87, a88, a89, a90, a91, a92, a93, a94, a95, a96, a97, a98, a99, a100, a101, a102, a103, a104, a105, a106, a107, a108, a109, a110, a111, a112, a113, a114, a115, a116, a117, a118, a119, a120, a121, a122, a123, a124, a125, a126, a127, a128, a129, a130, a131, a132, a133, a134, a135, a136, a137, a138, a139, a140, a141, a142, a143, a144, a145, a146, a147, a148, a149, a150, a151, a152, a153, a154, a155, a156, a157, a158, a159, a160, a161, a162, a163, a164, a165, a166, a167, a168, a169, a170, a171, a172, a173, a174, a175, a176, a177, a178, a179, a180, a181, a182, a183, a184, a185, a186, a187, a188, a189, a190, a191, a192, a193, a194, a195, a196, a197, a198, a199, a200, a201, a202, a203, a204, a205, a206, a207, a208, a209, a210, a211, a212, a213, a214, a215, a216, a217, a218, a219, a220, a221, a222, a223, a224, a225, a226, a227, a228, a229, a230, a231, a232, a233, a234, a235, a236, a237, a238, a239, a240, a241, a242, a243, a244, a245, a246, a247, a248, a249, a250, a251, a252, a253, a254, a255, a256, a257, a258, a259, a260, a261, a262, a263, a264, a265, a266, a267, a268, a269, a270, a271, a272, a273, a274, a275, a276, a277, a278, a279, a280, a281, a282, a283, a284, a285, a286, a287, a288, a289, a290, a291, a292, a293, a294, a295, a296, a297, a298, a299, a300, a301, a302, a303, a304, a305, a306, a307, a308, a309, a310, a311, a312, a313, a314, a315, a316, a317, a318, a319, a320, a321, a322, a323, a324, a325, a326, a327, a328, a329, a330, a331, a332, a333, a334, a335, a336, a337, a338, a339, a340, a341, a342, a343, a344, a345, a346, a347, a348, a349, a350, a351, a352, a353, a354, a355, a356, a357, a358, a359, a360, a361, a362, a363, a364, a365, a366, a367, a368, a369, a370, a371, a372, a373, a374, a375, a376, a377, a378, a379, a380, a381, a382, a383, a384, a385, a386, a387, a388, a389, a390, a391, a392, a393, a394, a395, a396, a397, a398, a399, a400, a401, a402, a403, a404, a405, a406, a407, a408, a409, a410, a411, a412, a413, a414, a415, a416, a417, a418, a419, a420, a421, a422, a423, a424, a425, a426, a427, a428, a429, a430, a431, a432, a433, a434, a435, a436, a437, a438, a439, a440, a441, a442, a443, a444, a445, a446, a447, a448, a449, a450, a451, a452, a453, a454, a455, a456, a457, a458, a459, a460, a461, a462, a463, a464, a465, a466, a467, a468, a469, a470, a471, a472, a473, a474, a475, a476, a477, a478, a479, a480, a481, a482, a483, a484, a485, a486, a487, a488, a489, a490, a491, a492, a493, a494, a495, a496, a497, a498, a499, a500, a501, a502, a503, a504, a505, a506, a507, a508, a509, a510, a511, a512, a513, a514, a515, a516, a517, a518, a519, a520, a521, a522, a523, a524, a525, a526, a527, a528, a529, a530, a531, a532, a533, a534, a535, a536, a537, a538, a539, a540, a541, a542, a543, a544, a545, a546, a547, a548, a549, a550, a551, a552, a553, a554, a555, a556, a557, a558, a559, a560, a561, a562, a563, a564, a565, a566, a567, a568, a569, a570, a571, a572, a573, a574, a575, a576, a577, a578, a579, a580, a581, a582, a583, a584, a585, a586, a587, a588, a589, a590, a591, a592, a593, a594, a595, a596, a597, a598, a599, a600, a601, a602, a603, a604, a605, a606, a607, a608, a609, a610, a611, a612, a613, a614, a615, a616, a617, a618, a619, a620, a621, a622, a623, a624, a625, a626, a627, a628, a629, a630, a631, a632, a633, a634, a635, a636, a637, a638, a639, a640, a641, a642, a643, a644, a645, a646, a647, a648, a649, a650, a651, a652, a653, a654, a655, a656, a657, a658, a659, a660, a661, a662, a663, a664, a665, a666, a667, a668, a669, a670, a671, a672, a673, a674, a675, a676, a677, a678, a679, a680, a681, a682, a683, a684, a685, a686, a687, a688, a689, a690, a691, a692, a693, a694, a695, a696, a697, a698, a699, a700, a701, a702, a703, a704, a705, a706, a707, a708, a709, a710, a711, a712, a713, a714, a715, a716, a717, a718, a719, a720, a721, a722, a723, a724, a725, a726, a727, a728, a729, a730, a731, a732, a733, a734, a735, a736, a737, a738, a739, a740, a741, a742, a743, a744, a745, a746, a747, a748, a749, a750, a751, a752, a753, a754, a755, a756, a757, a758, a759, a760, a761, a762, a763, a764, a765, a766, a767, a768, a769, a770, a771, a772, a773, a774, a775, a776, a777, a778, a779, a780, a781, a782, a783, a784, a785, a786, a787, a788, a789, a790, a791, a792, a793, a794, a795, a796, a797, a798, a799, a800, a801, a802, a803, a804, a805, a806, a807, a808, a809, a810, a811, a812, a813, a814, a815, a816, a817, a818, a819, a820, a821, a822, a823, a824, a825, a826, a827, a828, a829, a830, a831, a832, a833, a834, a835, a836,



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