Technical sheet:

## **1950RT**





Mettle   M		1950RT Create	ed on August 1, 2025 at 6:07 PM UTC
Uniden weight         1422 kg         1422 kg         1254 kg         1254 kg         1254 kg         1254 kg         1252 kg	Capacities		Metric
Operating Capacity At 50% Tipping Load         1264 kg         2527 kg           Tipping capacity         2527 kg         4518 kg         30.48 kg         30.48 kg         30.48 kg         2528 kg         30.48 kg         2528 kg         2528 kg         2528 kg         30.48 kg         2528 kg </td <td>•</td> <td></td> <td></td>	•		
Operating Capacity At 50% Tipping Load         1264 kg         2527 kg           Tipping capacity         2527 kg         4518 kg         30.48 kg         30.48 kg         30.48 kg         2528 kg         30.48 kg         2528 kg         2528 kg         2528 kg         30.48 kg         2528 kg </td <td>Unladen weight</td> <td></td> <td>3422 kg</td>	Unladen weight		3422 kg
Typing capacity         2527 kg           Weight and dimensions         1           Weight and dimensions         127         4018 mm           Overall Departable pleight - Fully Raised         128         3048 mm           Dump rade - Full height         66         68 mm           Dump angle at full height         a5         39 s*           Overall length with bucket         116         3279 mm           Departure angle         m4         188 mm           Counted clearance         m4         188 mm           Overall with less bucket         b1         1746 mm           Bucket Width         b18         2058 mm           Clearance Radius - Front with Bucket         b18         2058 mm           Clearance Radius - Front with Bucket         b18         2058 mm           Clearance Radius - Front with Bucket         b18         2058 mm           Eigine broad         p1         Yanmar           Engine broad         p1         Yanmar           Engine broad         p1         Yanmar           Engine brower         p1         Yanmar           Lo. Engine prover staing - Power         8.0 high y 51 kW           Battery willing power staing - Power         8.0 high y 51 kW	·		
Weight and dimensions         Head of the plant Feight Feight Feight Feight Feight Feight Feight Plaised         h27         4018 mm           Dump cash - Full height         h28         3048 mm           Dump angel at full height         f6         648 mm           Dump angle at full height         f6         638 mm           Overall leight with bucket         l16         3279 mm           Departure angle         a2         27°           Ground clearance         m4         188 mm           Overall width less bucket         b1         1746 mm           Bucket Width         e1         1778 mm           Clearance Radius - Front with Bucket         b18         2053 mm           Engine brade         b18         2053 mm           Engine brade         51         Yonnar           Engine brade         51         Yonnar           Engine brade         51 XW         51 XW           Ket Power         51 XW         51 XW           Max. torque / Engine rotation         2         68.01 Mp / 51 XW           Max. torque / Engine rotation         68.01 Mp / 51 XW           Lo. Engine power ating - Power         68.01 Mp / 51 XW           Satery voltage         12 Y           Accessory plug         <			*
Overall Operating Height - Fully Raised         h.27         4.018 mm           Height to Hinge Pin - Fully Raised         n.28         3.03 k mm           Dump reach Full height         n.6         6.48 mm           Dump angle at full height         a.5         3.9°           Overall leight with bucket         a.2         3.9°           Oreal leight with bucket         a.2         2.7°           Ground clearance         a.2         2.7°           Ground clearance         a.2         2.7°           Guest Width fees bucket         a.2         1.774 km           Bucket Width         a.1         1.774 km           Bucket Width         a.1         1.774 km           Bucket Width         a.1         2.78 mm           Bucket Width         a.1         3.78 mm           Clearance Radius - Front with Bucket         b.18         2.063 mm           Engine brand         b.18         2.063 mm           Engine brand         b.18         2.063 mm           Engine brand         p.1         4.71 km           Max. Tongwir Ford         p.1         5.1 kW           Max. Longue Fording evor ratio - Power         p.1         2.1 kW           Accessory plug         p.1			3
Height to Hinge Pin - Fully Raised         h.28         3048 mm           Dump rach - Full height         6         648 mm           Dump angle at Il height         35         39 °           Overall length with bucket         116         327 mm           Departue angle         22         27 °           Ground clearance         md         188 mm           Overall width less bucket         b1         1746 mm           Bucket Width         e1         1778 mm           Clearance Radius-Front with Bucket         b1         206 mm           Engine         b1         1778 mm           Clearance Radius-Front with Bucket         b1         306 mm           Engine Brand         b1         400 mm           Engine model         5         41798 mm           Engine model         5         51 kW           Max. torque / Engine rotation         5         51 kW           Max. torque / Engine rotation         5         68.40 Hp/ 51 kW           Battery voltage         5         68.40 Hp/ 51 kW           Battery voltage         5         12 y           Accessory plug         5         68.40 Hp/ 51 kW           Browner         5         100 A	<u> </u>	h27	4018 mm
Dump reach - Full height         66         648 mm           Dump angle at full height         a5         39 °           Overall length whib ucket         116         3279 mm           Departure angle         a2         27 °           Ground clearance         mM         188 mm           Overall width less bucket         b1         11746 mm           Ducket Width         e1         11778 mm           Clearance Radius - Front with Bucket         b18         2063 mm           Engine         b18         2063 mm           Engine brand         b1         Yanmar           Engine brand         b1         Yanmar           Engine model         51,70 kW         Yanmar           Engine prode         51,70 kW         Yanmar           Engine proder         51,1 kW         Yanmar           Engine proder         51,1 kW         St. (Signey Proder)         64,41 hrs, @ 2500 pm           Engine proder         68,40 hr/ 51 kW         St. (Signey Proder)         68,40 hr/ 51 kW           Excessory plug         12 v         42 th me, @ 2500 pm         12 v           Alternative American Science         61,00 A         12 v           Tansmission type         4         14,00 A			3048 mm
Dump angle at full height         a5         39 °           Overall length with bucket         116         3279 mm           Departure angle         a2         27°           Ground clearance         m4         188 mm           Overall with less bucket         b1         1746 mm           Ducket Width         e1         1778 mm           Clearance Radius - Front with Bucket         b18         2063 mm           Engine         Total Yamar         4 Namar           Engine brand         4         51.70 kW           Engine brand         5         4 TANN98C-MMS2V           Gross Power         5         51.70 kW           Net Power         51 kW         51.70 kW           Net Power         51 kW         51.70 kW           LC. Engine power rating - Power         51 kW         51.70 kW           Raccessory plug         12 V         68.40 Hp / 51 kW           Battery voltage         12 V         68.40 Hp / 51 kW           Accessory plug         10 V         12 V           Accessory plug         9         14 Num           Tansmission         9         Hydrocataic           Hydroller         10 V         10 V           Lossory plug		r6	648 mm
Departure angle         a2         27*           Ground clearance         m4         188 mm           Overall width less bucket         b1         1746 mm           Bucket Width         e1         1778 mm           Clearace Radius - Front with Bucket         b18         2063 mm           Engine			39 °
Departure angle         a2         27*           Ground clearance         m4         188 mm           Overall width less bucket         b1         1746 mm           Bucket Width         e1         1778 mm           Clearace Radius - Front with Bucket         b18         2063 mm           Engine	· ·	116	3279 mm
Ground clearance         m4         188 mm           Overall width less bucket         51         1746 mm           Bucket Width         e1         1778 mm           Clearance Radius - Front with Bucket         b18         2053 mm           Engine         b18         2053 mm           Engine brand         FM         Yannar           Engine brand         \$1         Yannar           Engine model         \$1         51.70 kW           Nors Power         \$1         51.70 kW           Net Power         \$1         24.11 km @ 2500 pm           LC. Engine power rating - Power         \$1         12.V           Satetay voltage         \$1         12.V           Accessory plug         \$1         12.V           Alemacior - Ampere         \$1         12.V           Tansmission tybe         \$1         Hydrostatic           Hydrallist         \$300 bar         \$300 bar           Avuiliary Hydrallic Pressure         \$300 bar         \$300 bar           High-Flow Auxiliary Hydrallics Pressure - Option         \$420 bar         \$420 bar           High-Flow Auxiliary Hydrallics Pressure - Option         \$5.50 li         \$5.70 li	•		27 °
Overall width less bucket         b1         1776 mm           Bucket Width         e1         1778 mm           Clearace Radius - Front with Bucket         b18         2063 mm           Engine         Tengine         1           Engine brand         Yanmar         4TNW98C-NMS2V           Gross Power         51.70 kW         51.70 kW           Net Power         51 kW         241 Nm @ 2500 pm           LC. Engine protation         241 Nm @ 2500 pm           LC. Engine power rating - Power         68.40 Hp / 51 kW           Battery oldage         12 V           Accessory plug         12 100 A           Alternator - Ampere         100 A           Transmission type         Hydrostatic           Hydraulics         380 bar           Standard flow - Auxiliary hydraulics         380 bar           Auxiliary Hydraulics Pessure         380 bar           High-Flow Auxiliary hydraulics - Option         420 bar           High-Flow Auxiliary Hydraulics Pressure - Option         420 bar           High Flow Auxiliary Hydraulics Pressure - Option         400 bar           High Flow Auxiliary Hydraulics Pressure - Option         400 bar           Hydraulic tank capacity         58.70 li		m4	188 mm
Bucket Width         e1         1778 mm           Clearace Radius - Front with Bucket         b18         2063 mm           Engine         Certain Canada         Certain Canada         Certain Canada           Engine model         4700 Marmar         4700 Marmar           Engine model         51.70 kW         51.70 kW           Net Power         51 kW         51 kW           Max. torque / Engine rotation         241 Nm @ 2500 pm         68.40 Hp / 51 kW           Battery voltage         50 40 Hp / 51 kW         120 V           Alternator - Ampere         90 120 V         120 V           Transmission fyre         90 100 A         120 V           Hydraulics         90 Hydrostatic         90 Hydrostatic           Standard flow - Auxiliary hydraulics         90 Hydrostatic         380 bar           Auxiliary Hydraulic Pressure         380 bar         131 l/min           High-Flow Auxiliary Hydraulics - Option         420 bar         120 bar           Tank capacities         90 361 de         420 bar           Hydraulic tank capacity         58.70 l         381 de	Overall width less bucket		1746 mm
Clearance Radius - Front with Bucket         518         2063 mm           Engline         Clearance Radius - Front with Bucket         Clearance Radius - Many State of S			
Engine         Manual           Engine brand         Yanmar           Engine model         4TNY98C-NMS2V           Gross Power         51 kW           Mex. torque / Engine rotation         241 Nm @ 2500 rpm           LC. Engine power rating - Power         68.40 Hp / 51 kW           Battery voltage         12 V           Accessory plug         120 V           Alternator - Ampere         120 V           Transmission         Hydroulies           Standard flow - Auxiliary hydraulies         Hydroulies           Auxiliary Hydraulie Pressure         380 bar           High-Flow Auxiliary Hydraulies - Option         380 bar           High-Flow Auxiliary Hydraulies Pressure - Option         420 bar           Tank capacites         420 bar           Hydraulie tank capacity         58.70 l			
Engine brand         Yanmar           Engine model         4TNV98C-NMS2V           Gross Power         51.70 kW           Net Power         51 kW           Max. torque / Engine rotation         241 Nm @ 2500 rpm           I.C. Engine power rating - Power         68.40 Hp / 51 kW           Battery voltage         12 V           Accessory plug         120 V           Alterator - Ampere         100 A           Transmission         + Hydrostatic           Transmission type         51 I/M min           Auxiliary Hydraulics Pressure         380 bar           High-Flow Auxiliary Hydraulics - Option         380 bar           High-Flow Auxiliary Hydraulics Pressure - Option         42 bar           Tank capacites         361           Hydraulic tank capacity         58.70 l			
Engine model         4TNV98C-NMS2V           Gross Power         51.70 kW           Net Power         51 kW           Max. torque / Engine rotation         241 km @ 2500 rpm           LC. Engine power rating - Power         68.40 Hp / 51 kW           Battery voltage         12 V           Accessory plug         120 V           Alternator - Ampere         100 A           Transmission         Hydroulies           Standard flow - Auxiliary hydraulics         Hydrouse           Standard flow - Auxiliary hydraulics         380 bar           High-Flow Auxiliary Hydraulics - Option         380 bar           High-Flow Auxiliary Hydraulics Pressure - Option         131 l/min           Tank capacities         420 bar           Hydraulic tank capacity         58.70 l			Yanmar
Gross Power         51.70 kW           Net Power         51 kW           Max. torque / Engine rotation         241 Nm @ 2500 rpm           LC. Engine power rating - Power         68.40 Hp / 51 kW           Battery voltage         12 V           Accessory plug         120 V           Alternator - Ampere         100 A           Transmission         Hydrostatic           Ptydraulics         Hydrostatic           Standard flow - Auxiliary hydraulics         380 bar           Auxiliary Hydraulics - Option         380 bar           High-Flow Auxiliary Hydraulics Pressure - Option         420 bar           Tank capacities         36 l           Hydraulic tank capacity         58.70 l	•		4TNV98C-NMS2V
Net Power         51 kW           Max. torque / Engine rotation         241 Nm @ 2500 rpm           I.C. Engine power rating - Power         68.40 Hp / 51 kW           Battery voltage         12 V           Accessory plug         120 V           Altemator - Ampree         100 A           Transmission         Hydrostatic           Transmission type         Hydrostatic           Hydraulics         71 l/min           Standard flow - Auxiliary hydraulics Pessure         380 bar           High-Flow Auxiliary Hydraulics - Option         380 bar           High-Flow Auxiliary Hydraulics Pressure - Option         420 bar           Tank capacities         36 l           Hydraulic tank capacity         36 l           Fuel tank         58,70 l	-		
Max. torque / Engine rotation       241 Nm @ 2500 rpm         LC. Engine power rating - Power       68.40 Hp / 51 kW         Battery voltage       12 V         Accessory plug       120 V         Alternator - Ampere       100 A         Transmission       Hydraulics         Transmission type       Hydravellos         Standard flow - Auxiliary hydraulics       1 Hydroxellos         Standard flow - Auxiliary hydraulics - Option       380 bar         High-Flow Auxiliary Hydraulics - Option       1113 l/min         High-Flow Auxiliary Hydraulics Pressure - Option       420 bar         Tank capacities       36 l         Hydraulic tank capacity       36 l         Hydraulic tank capacity       58.70 l			
I.C. Engine power rating - Power       68.40 Hp / 51 kW         Battery voltage       12 V         Accessory plug       120 V         Alternator - Ampere       100 A         Transmission       Hydroutes         Transmission type       Hydroutes         Standard flow - Auxiliary hydraulics       71 l/min         Auxiliary Hydraulic Pressure       380 bar         High-Flow Auxiliary Hydraulics - Option       113 l/min         High-Flow Auxiliary Hydraulics Pressure - Option       420 bar         Tank capacities       36 l         Hydraulic tank capacity       36 l         Fuel tank       58.70 l			
Battery voltage         12 V           Accessory plug         120 V           Alternator - Ampere         100 A           Transmission         Hydroutestric           Hydraulics         Hydroutilos           Standard flow - Auxiliary hydraulics         71 l/min           Auxiliary Hydraulic Pressure         380 bar           High-Flow Auxiliary Hydraulics - Option         113 l/min           High-Flow Auxiliary Hydraulics Pressure - Option         420 bar           Tank capacities         420 bar           Hydraulic tank capacity         36 l           Fuel tank         58.70 l			
Accessory plug Alternator - Ampere Transmission Transmission type Hydraulics Standard flow - Auxiliary hydraulics Auxiliary Hydraulics - Option High-Flow Auxiliary Hydraulics Pressure - Option Tank capacities Hydraulic ank capacity Fuel tank  Fuel tank			·
Alternator - Ampere 100 A  Transmission Transmission type	, -		120 V
TransmissionHydrostaticTransmission typeHydrostaticHydraulicsHydroutlicsStandard flow - Auxiliary hydraulics71 l/minAuxiliary Hydraulic Pressure380 barHigh-Flow Auxiliary Hydraulics - Option113 l/minHigh-Flow Auxiliary Hydraulics Pressure - Option420 barTank capacities420 barHydraulic tank capacity36 lFuel tank58.70 l	, , , , , , , , , , , , , , , , , , ,		100 A
HydraulicsComparisonStandard flow - Auxiliary hydraulics71 I/minAuxiliary Hydraulic Pressure380 barHigh-Flow Auxiliary Hydraulics - Option113 I/minHigh-Flow Auxiliary Hydraulics Pressure - Option420 barTank capacitiesTank capacitiesHydraulic tank capacity36 IFuel tank58.70 I			
HydraulicsComparisonStandard flow - Auxiliary hydraulics71 I/minAuxiliary Hydraulic Pressure380 barHigh-Flow Auxiliary Hydraulics - Option113 I/minHigh-Flow Auxiliary Hydraulics Pressure - Option420 barTank capacitiesTank capacitiesHydraulic tank capacity36 IFuel tank58.70 I	Transmission type		Hydrostatic
Sandard flow - Auxiliary hydraulics Auxiliary Hydraulic Pressure High-Flow Auxiliary Hydraulics - Option High-Flow Auxiliary Hydraulics Pressure - Option High-Flow Auxiliary Hydraulics Pressure - Option Tank capacities Hydraulic tank capacity Fuel tank  Fuel tank  Sandard flow - Auxiliary hydraulics Pressure  380 bar  420 bar  420 bar  361  58.701			,
Auxiliary Hydraulic Pressure380 barHigh-Flow Auxiliary Hydraulics - Option113 l/minHigh-Flow Auxiliary Hydraulics Pressure - Option420 barTank capacitiesStandardHydraulic tank capacity36 lFuel tank58.70 l	-		71 l/min
High-Flow Auxiliary Hydraulics - Option 113 /min High-Flow Auxiliary Hydraulics Pressure - Option 420 bar  Tank capacities Hydraulic tank capacity 36 l Fuel tank 58.70 l			
High-Flow Auxiliary Hydraulics Pressure - Option420 barTank capacitiesStand CapacitiesHydraulic tank capacity36 lFuel tank58.70 l	• •		113 l/min
Tank capacitiesSecond Second Seco			420 bar
Hydraulic tank capacity Fuel tank 58.70 I			
Fuel tank 58.70 I	•		36 I
Liquid cooling tank volume			58.70 l
	Liquid cooling tank volume		12.90 l
Displacement / Number of cylinders 3.30 1 / 4			
Noise and vibration			
Noise to environment (LwA)			101.40 dB
Noise at driving position (LpA) 82 dB			
Whole-Body Vibration (ISO 2631-1)	-		1.10 m/s <sup>2</sup>





## **Head Office**

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