Technical sheet:

1650R





Part Part		1650R Creat	ed on August 1, 2025 at 6:11 PM UTC
Rated Operating Capacity with Optional Counterweight 2796 kg 2796 kg	Capacities		Metric
Rated Operating Capacity with Optional Counterweight 2796 kg 2796 kg	•		
Winglet and dimensions 2796 kg Wheelbase y 988 mm Wheelbase 127 3276 mm Overall Depending Height F Fully Raised 1628 3022 mm Overall Leight No Ling Height F Fully Raised 1628 3022 mm Overall Leight No Ling Height Sept Sept Sept Sept Sept Sept Sept Sep			¥
Weight and idmensions y 988 mm Owerall Operating Height - Felly Raised 1527 3876 mm Height is Ringe Pin - Fully Raised 1527 3876 mm Leight is Ringe Pin - Fully Raised 157 1548 mm Dump and a Full height 155 38° Dump and a Full height 162 2880 mm Overall leight will bucket 166 579 mm Rollback at ground 313 28° Sex to ta ground height 160 579 mm Rollback at ground 161 152 mm Sex to ta ground height 160 579 mm Overall leight - Less Bucket 161 152 mm Overall deight - Less Bucket 161 152 mm Overall leight - Less Bucket 21 2 2 21' Clearance Radius - Front with Bucket 18 160 mm Overall leight - Less Bucket 22 21' Clearance Radius - Front with Bucket 18 180 mm Travel Speed (milder) 18 180 mm Wheele Standard (milder) 18 180 mm <td></td> <td></td> <td>-</td>			-
Wheeblase y 988 mm Owerall Operating Height - Fully Rated h27 3376 mm Height to Hinge Pin - Fully Rated h28 3623 mm Owerall Height to be of ROPS h17 1948 mm Dump angle at full height a5 98* Dump angle at hill height a5 98* Dump keepl thill height a12 2330 mm Owerall Height but deed 116 3310 mm Dump seach - Full height a5 579 mm Bibliack at a ground a5 579 mm Bibliack at a ground a5 994 mm Seat to ground height a50 994 mm Seat to ground height a50 994 mm Seat to ground height a10 1544 mm Buckel Width a10 1544 mm Buckel Width a1 1544 mm Buckel Width a1 1544 mm Buckel Width a2 12 2235 mm Departmenange a2 12 22 Clearmace Rould are Ford with Bucket	· · · · · · · · · · · · · · · · · · ·		. 3
OwenI Departing Height - Fully Raised 127 3376 mm Height to Hinge Pin - Fully Raised 128 3623 mm Dump angle art full height 129 2380 mm Dump alogie art full height 129 2380 mm Overall Height but bucket 116 3101 mm OwenI Height will bucket 116 3101 mm OwenI Height Medical full height 6 579 mm Bollback at ground a13 28° Seat to ground height h30 904 mm Overall width lies bucket h30 904 mm Overall width lies bucket h1 1544 mm Overall leight value a1 1562 mm Overall leight height full state at ground leight a2 21° Overall leight height full state at ground leight a6 921° Overall leight height a6 921° 3285 mm Overall leight height a6 21° 3285 mm Overall leight height a6 321° 3287 mm Overal leight height a6 61.50 km/h 1260 km/h	`	v	988 mm
Height Higher Faily Blaised h28 3022 mm Overall Height to bop 60PS h27 1948 mm Dump height 55 38° Dump height 160 3101 mm Owen leil lenight with bucket 166 579 mm Bellback at ground 813 28° Seat to ground height 500 904 mm Overall width lest bucket 130 904 mm Seat to ground height 6 157 mm Steat to ground height 6 150 mm Overall width lest bucket 6 1 1544 mm Steat to ground height 6 1 1544 mm Overall width lest bucket 6 1 1544 mm Overall width lest bucket 2 1 1542 mm Council clearance Rodius - Foot with Bucket 2 <td></td> <td></td> <td></td>			
Owen I height to lop of ROPS h17 1948 mm Dump angle af full height h29 2380 mm Owen I length with bucket h29 2380 mm Owen I length with bucket 116 3101 mm Outland at a ground a 33 28 ° Sex to ground height 50 mm 90 mm Overall width less bucket 51 mm 115 mm Sucket Width 61 mm 15 mm Overall length - Less Bucket 12 2 mm Overall length - Less Bucket 12 2 mm Operature angle 12 2 mm Operature angle 12 2 mm Professor 12 2 mm Taxed Speed with Two Speed Option - Maximum 12 2 mm Wheels 12 2 mm Standard fives 12 2 mm Engine brand 12 4 mm Engine brand 12 4 mm Engine brand 12 4 mm Engine brand 12 5 kW Le Spoil on Maximum			
Dump ale at full height 85 88* Dump height h26 2380 mm Oump neight with bucket 116 3101 mm Dump neight with bucket 16 579 mm Burd Dump neight 66 579 mm Rollback at good h30 004 mm Seat to good height h30 004 mm Overall keight height less bucket 161 1554 mm Bucket Width e1 1562 mm Ground clearance e1 1562 mm Ground leight - Fort with Bucket a2 21* Opparture angle b18 189 mm Clearance Radius - Fort with Bucket b18 189 mm Reformances b18 189 mm Tave Speed (winder) b18 189 mm Tave Speed with Two Speed Option - Maximum 5 19.50 km/h Wheels 11000 x 16.5 Ho 19.50 km/h Engine burse 4 10.00 x 16.5 Ho 19.50 km/h Engine burse 5 5 kW 10.00 x 16.5 Ho Engine burse </td <td></td> <td></td> <td></td>			
Dump height M29 2380 mm Overal length with bucket 156 3131 mm Own prach - Fill height 16 579 mm Rollback at ground 1813 28° Satta to ground height 501 11544 mm Overall width leas bucket 51 11544 mm Outured learner 160 1552 mm Owent length - Less Bucket 12 2358 mm Overall rength - Less Bucket 12 2358 mm Operature angle 12 2358 mm Departure angle 18 1859 mm Performance 18 1859 mm Tawal speed (unidaten) 51 1960 mm Tawal speed (unidaten) 5 1960 mm Tawal speed (unidaten) 5 1960 mm Sandard tities 1 1960 mm Septem Wind 5 5 1960 mm Marchard </td <td></td> <td></td> <td></td>			
Oseal legach with bucket 116 \$101 mm Dump reach - Full height 16 \$579 mm Robliback at goound 133 28* Seat to ground height 150 904 mm Overell width less bucket 16 1552 mm Bucket Width e1 1552 mm Gound clearnce m4 160 mm Overall length - Less Bucket 2 2385 mm Departure angle 82 21* Clearance Rodius - Frint with Bucket 818 1869 mm Texel speed (talden) 12 15 50 km/h Towak speed (polinor-Maximum 12 15 50 km/h Towak Speed with Two Speed Option - Maximum 15 50 km/h 15 50 km/h Towak Speed (talden) 1 10 00 km/h Towak Speed (with Two Speed Option - Maximum 1 10 00 km/h Rondard ins 1 10 00 km/h <td< td=""><td></td><td></td><td></td></td<>			
Duny nexh - Full height fif 579 mm Rollback at ground a13 28 ° Sex to ground height 500 904 mm Overall weight 61 1544 mm Bucket Width e1 1554 mm Ground clearance mr4 160 mm Overall reight - Less Bucket 22 221° Clearance Radius - Front with Bucket b18 186 mm Programmang b18 186 mm Tawel Speed (unladen) 12 22385 mm Tawel Speed (funladen) 12 1550 km/h Tawel Speed (funladen) 12 1500 km/h Bridge 1500 km/h 1500 km/h <			
Rollback at ground a13 28* Seat to ground height h30 904 mm Overall width less bucket b1 1544 mm Bucket Width e1 1552 mm Olound clearance m4 160 mm Overall length - Less Bucket 12 2385 mm Departure angle 12 2385 mm Clearance Radius - Front with Bucket 18 1850 mm Performances 18 1850 mm Travel speed (unlader) 12 12.50 km/h Travel Speed with Two Speed (Option - Maximum 12 12.50 km/h Wheels 10 12.50 km/h Sandard tities 1 10.00 x 16.5 HD Engine 4 10.00 x 16.5 HD Engine 4 10.00 x 16.5 HD Engine brand 5 4ThV 85C xMS Goss Power 5 4ThV 85C xMS Goss Power 5 4ThV 85C xMS Losaling power rating 6 69.73 Hp Battery voltage 1 10.0 kW			
Seat to ground height h30 994 mm Overall width less bucket b1 1554 mm Blucket Width e1 1552 mm Gound clearance m4 160 mm Overall length - Less Bucket 22 2385 mm Departure angie a2 21° Cleanace Radius - Front with Bucket b18 1869 mm Profformances b18 1859 mm Travel speed (unladen) b18 150,50 km/h Travel speed (unladen) 2 15,50 km/h Standard tities 2 15,50 km/h Standard tities 2 4 15,50 km/h Standard tities 2 4 15,50 km/h Was bouge / Engine model 5 5 52 kW Max. touge / Engine rotation 5 52 kW 52 kW Max. touge / Engine rotation 5 66,73 Hp			
Overall width less bucket e1 1544 mm Bucket Width e1 1552 mm Cound clearance n4 160 mm Overall length - Less Bucket 22 2358 mm Departure angle b18 1869 mm Performance b18 1869 mm Tavel Speed (windser) 5 12.26 km/h Tavel Speed (windser) 5 19.50 km/h Tavel Speed (windser) 5 19.50 km/h Standard lites 5 19.00 km/h Engine board 5 4 19.50 km/h Engine board 5 4 74 mm Engine board 5 5 4 mm 5 Engine board 5 5 4 mm 5 2 10 mm 6 5 2 kW 6 10 mm 6 5 2 kW 6 5 1 kW 6 6 5 1 kW 6 6 6 6 6 6 6 6 6 6 6 <	•		
Bucket Width e1 1562 mm Ground clearance m.d. 160 mm Overall length - Less Bucket 12 2385 mm Departure angle 32 21° Cleanace Radius - Front with Bucket b18 1869 mm Ferformances 6 12-00 km/h Travel Speed (unladen) 6 12-00 km/h Travel Speed (will through Speed (poton - Maximum) 6 12-00 km/h Witcels 8 18-00 km/h Standard ties 6 18-00 km/h Bright 8 18-00 km/h Engine 8 18-00 km/h Engine brand 9 4 Yannar Engine model 9 4 Yannar Ya	• •		
Ground clearance m4 160 mm Overall length - Less Bucket 12 2385 mm Depanture angle a2 21 * Clearance Radius - Front with Bucket b18 1869 mm Performances b18 12.60 km/h Taval Speed with Two-Speed Option - Maximum			
Overall length - Less Bucket 12 2385 mm Departure angle 62 21 ° C Clearance Radius - Front with Bucket 518 1869 mm Radius - Front with Bucket 518 1869 mm Radius - Front with Bucket 518 1859 mm Radius - Front with Bucket 518 km 19.50 km/h Radius Global Maximum 6 10.00 km/h Radius Global Maximum 6 4180 km/s Radius Global Maximum 6 52 km Navious / English oration 6 52 km Radius Global Maximum 6 69.73 Hp Radius Global Maximum 6 69.73 Hp Radius Global Maximum 71.40 l/min Radius Global Maximum 71.40 l/min Radius Global Maximum 71.40 l/min			
Departure angle a2 21° Clearace Radius - Front with Bucket b18 1869 mm Performances 6 1 Tavel speed (unladen) 5 12.60 km/h Tavel speed (unladen) 5 15.50 km/h Wheels 5 15.00 km/h Sundand ties 6 10.00 x 16.5 HD Engine Nord 6 10.00 x 16.5 HD Engine model 6 4 ThV88C-M3S Gross Power 5 5 kW Net Power 5 5 kW Buttery vollage 69.73 Hg 24 km / 2500 rpm Buttery vollage 5 10 kg Stater 69.73 Hg 3 kW Updraulich 69.73 Hg 3 kW Updraulich 6 71.40 l/min Stater 2 10 kW Stater 2 17.40 l/min Stater 2 2 71.40 l/min Stater 2 71.40 l/min 71.40 l/min Stater 2 2			
Clearance Radius - Front with Bucket b18 1869 mm Performances Clearance Radius - Front with Bucket Clear Commons Travel Speed (unladen) 12.60 km/h Travel Speed with Two Speed Option - Maximum Clear State S			
Reformances 12.60 km/h Travel Speed (ulinden) 12.50 km/h Travel Speed option - Maximum 19.50 km/h Wheels 10.00 x 16.5 HD Standard tilves 10.00 x 16.5 HD Engine Dead Yanmar Engine brand Yanmar Engine Dead 52 kW Ket Power 51 kW Max. torque / Engine rotation 9 241 km / 2500 rpm Power source 10 lexed 69.73 Hp Eatery voltage 69.73 Hp 12 V Alterator 100 kW 34 km Starter 12 V 100 kW Hydraulics 207 bar 114 l/min Hydraulic Pressure 207 bar 207 bar High-Flow Auxiliary Hydraulics Pressure - Option 200 bar 200 bar Tank capacities 200 bar 41.60 i Fuel tank 4 45.60 i Hydraulic tank capacity 41.60 i 3.30 i Hydraulic tank capacity 41.60 i 3.30 i Holse environment (LwA) 5 41.60 i<			
Travel speed (unladen) 12.60 km/h Travel Speed with Two-Speed Option - Maximum 19.50 km/h Wheels 10.00 x 16.5 HD Standard tires 10.00 x 16.5 HD Engine 4 Engine brand 4 Engine brand 52 kW Gross Power 52 kW Net Power 51 kW Max. torque / Engine rotation 241 km/ 250 pm Power source Diesel I.C. Engine power rating 69.73 Hp Battery voltage 12 V Alternator 3 kW Standard flow - Auxiliany hydraulics 3 kW Hydraulic Pressure 207 bar High-Flow Auxiliany hydraulics Pressure - Option 207 bar High-Flow Auxiliany hydraulics - Option 200 bar Fauk apacelies 200 bar Fuel tank 6.2.501 Hydraulic tank capacity 41.601 Displacement 3.301 Noise and vibration 10.10 flb		b18	1869 mm
Travel Speed with Two-Speed Option - Maximum 19.50 km/h Wheels Common			
Wheels 10.00 x 16.5 HD Engline 10.00 x 16.5 HD Engline brand Yanmar Engline model 4TNV88C-KMS Gross Power 52 kW Met Power 51 kW Max. torque / Engine rotation 241 km / 2500 rpm Power source Diesel LC. Engine power rating 12 V Sattery voltage 12 V Altemator 3 kW Stander 3 kW Hydraulis 3 kW Standard flow - Auxiliary hydraulics A valiary hydraulics - Option 71.40 l/min Auxiliary hydraulics - Option 207 bar High-Flow Auxiliary hydraulics - Option 200 bar Fuel tank 62.50 l Hydraulic tank capacity 62.50 l Fuel tank 62.50 l Noise and withation 60.50 l Noise to environment (LWA) 101 dB	, , ,		
Standard tires 10.00 x 16.5 HD Engine Commode Yanmar Gross Power 52 kW Net Power 51 kW Max. torque / Engine rotation 51 kW Max. torque / Engine rotation 10 esel LC. Engine power rating 69.73 Hp Battery voltage 12 V Alternator 3 kW Starler 3 kW Hydraulics 3 kW Hydraulics 207 bar studiary Hydraulics - Option 207 bar High-Flow Auxiliary Hydraulics - Option 207 bar Tak capacities 207 bar Fuel tank 62.501 Hydraulic tank capacity 62.501 Noise and wibation 60.501 Noise to environment (LWA) 101 dB			19.50 km/h
Engine Commode Yannar Engine model 4TNV88C-KMS Gross Power 52 kW Net Power 51 kW Max. torque / Engine rotation 241 Nm / 2500 pm Power source Diesel I.C. Engine power rating 69.73 Hp Battery voltage 12 V Altemator 12 V Starfer 3 kW Wydraulies 100 kW Standard flow- Auxiliary hydraulics 71.40 l/min Auxiliary Hydraulics - Option 207 bar High-Flow Auxiliary Hydraulics - Option 200 bar Tank capacities 4 Fuel tank 62.50 l Hydraulic tank capacity 62.50 l Noise and whatton 6 Noise to environment (LwA) 101 dB			
Engine brand Yanmar Engine model 4TNV88C-KMS Gross Power 52 kW Net Power 51 kW Max. torque / Engine rotation 241 Nm / 2500 rpm Power source Diesel I.C. Engine power rating 69.73 Hp Battery voltage 12 V Alternator 3 kW Starfer 3 kW Hydraulics 3 kW Standard flow - Auxiliary hydraulics 207 bar Auxiliary Hydraulics - Pessure 207 bar High-Flow Auxiliary Hydraulics - Option 200 bar Tank capacities 200 bar Fuel tank 62.50 l Hydraulic tank capacity 41.60 l Displacement 65.30 l Noise and whatton 101 dB			10.00 x 16.5 HD
Engine model 4TNV88C-KMS Gross Power 52 kW Net Power 51 kW Max. torque / Engine rotation 241 Nm / 2500 rpm Power source Diesel I.C. Engine power rating 69.73 Hp Battery voltage 12 V Alternator 12 V Stander 3 XW Hydraulies 71.40 I/min Standard flow - Auxiliary hydraulics 270 bar Auxiliary Hydraulic Pressure 207 bar High-Flow Auxiliary Hydraulics - Option 200 bar High-Flow Auxiliary Hydraulics Pressure - Option 200 bar Fuel tank 62.50 I Hydraulic tank capacities 41.60 I Sipplacement 9 62.50 I Noise and wibration 9 62.50 I Noise to environment (LwA) 6 3.30 I	Engine		
Gross Power 52 kW Net Power 51 kW Max. torque / Engine rotation 241 Nm / 2500 rpm Power source Diesel LC. Engine power rating 69.73 Hpm Battery voltage 12 V Alternator 3 kW Starter 3 kW Hydraulics 71.40 I/min Standard flow - Auxiliary hydraulics 207 bar High-Flow Auxiliary Hydraulics - Option 207 bar High-Flow Auxiliary Hydraulics - Option 200 bar High-Flow Auxiliary Hydraulics - Option 200 bar Hydraulic tank capacities 65.50 I Fuel tank 65.50 I Hydraulic tank capacity 41.60 I Displacement 3.30 I Noise to environment (LwA) 101 dB	Engine brand		Yanmar
Net Power 51 kW Max. torque / Engine rotation 241 Nm / 2500 rpm Power source Diesel LC. Engine power rating 69.73 Hp Battery voltage 12 V Alternator 3 kW Starter 3 kW Hydraulies 71.40 l/min Standard flow - Auxiliary hydraulies 71.40 l/min Auxiliary Hydraulice Pressure 207 bar High-Flow Auxiliary Hydraulies - Option 200 bar High-Flow Auxiliary Hydraulies Pressure - Option 200 bar Teul tank 62.50 l Hydraulic tank capacities 62.50 l Fuel tank 63.30 l Displacement 3 .30 l Noise and vibration 3 .30 l Noise to environment (LWA) 101 l d B	Engine model		4TNV88C-KMS
Max. torque / Engine rotation 241 Nm / 2500 rpm Power source Diesel LC. Engine power rating 69.73 Hp Battery voltage 12 V Alternator 3 kW Starler 3 kW Hydraulica 71.40 l/min Stander flow - Auxiliary hydraulics 207 bar Standard flow - Auxiliary Hydraulics - Option 207 bar High-Flow Auxiliary Hydraulics - Option 200 bar High-Flow Auxiliary Hydraulics Pressure - Option 200 bar Taul tank 62.50 l Hydraulic tank capacities 41.60 l Displacement 3.30 l Noise and vibration 3.30 l Noise to environment (LwA) 101 dB	Gross Power		52 kW
Power source Diesel I.C. Engine power rating 69.73 Hp Battery voltage 12 V Alternator 100 kW Starler 3 kW Hydraulics 5 K Standard flow - Auxiliary hydraulics 5 T.4.00 I/min Auxiliary Hydraulic Pressure 207 bar High-Flow Auxiliary Hydraulics - Option 207 bar High-Flow Auxiliary Hydraulics Pressure - Option 200 bar Fuel tank 6.5.01 Hydraulic tank capacity 41.60 I Displacement 41.60 I Noise and vibration 3 3.30 I Noise to environment (LWA) 101 d B	Net Power		51 kW
I.C. Engine power rating 69.73 Hp Battery voltage 12 V Alternator 100 kW Starter 3 kW Hydraulics 5 Standard flow - Auxiliary hydraulics 71.40 l/min Auxiliary Hydraulic Pressure 207 bar High-Flow Auxiliary Hydraulics - Option 200 bar High-Flow Auxiliary Hydraulics Pressure - Option 200 bar Tank capacities 200 bar Fuel tank 62.50 l Hydraulic tank capacity 41.60 l Displacement 3.30 l Noise and vibration 3.30 l Noise to environment (LWA) 101 d B	Max. torque / Engine rotation		241 Nm / 2500 rpm
Battery voltage 12 V Alternator 100 kW Starter 3 kW Hydraulics 5 mander flow - Auxiliary hydraulics Standard flow - Auxiliary hydraulics 207 bar High-Flow Auxiliary Hydraulics - Option 207 bar High-Flow Auxiliary Hydraulics Pressure - Option 200 bar Tank capacities 200 bar Fuel tank 62.50 l Hydraulic tank capacity 41.60 l Displacement 3.30 l Noise and vibration 6 Noise to environment (LWA) 101 d B	Power source		Diesel
Alternator 100 kW Starter 3 kW Hydraulics 6 Standard flow - Auxiliary hydraulics 71.40 l/min Auxiliary Hydraulic Pressure 207 bar High-Flow Auxiliary Hydraulics - Option 104 min High-Flow Auxiliary Hydraulics Pressure - Option 200 bar Tank capacities 200 bar Fuel tank 62.50 l Hydraulic tank capacity 41.60 l Displacement 3.30 l Noise and vibration 5 Noise to environment (LWA) 101 dB	I.C. Engine power rating		69.73 Hp
Starter3 kWHydraulicsCandard flow - Auxiliary hydraulicsCandard flow - Auxiliary hydraulicsCandard flow - Auxiliary hydraulicsAuxiliary Hydraulic Pressure207 barHigh-Flow Auxiliary Hydraulics - Option114 l/minHigh-Flow Auxiliary Hydraulics Pressure - Option200 barTank capacities200 barFuel tank62.50 lHydraulic tank capacity41.60 lDisplacement3.30 lNoise and vibrationCompany in the convironment (LWA)101 dB	Battery voltage		12 V
HydraulicsMonth of Muxiliary hydraulics71.40 l/minAuxiliary Hydraulic Pressure207 barHigh-Flow Auxiliary Hydraulics - Option114 l/minHigh-Flow Auxiliary Hydraulics Pressure - Option200 barTank capacities200 barFuel tank62.50 lHydraulic tank capacity41.60 lDisplacement3.30 lNoise and vibration50Noise to environment (LWA)101 dB	Alternator		100 kW
Standard flow - Auxiliary hydraulics71.40 l/minAuxiliary Hydraulic Pressure207 barHigh-Flow Auxiliary Hydraulics - Option114 l/minHigh-Flow Auxiliary Hydraulics Pressure - Option200 barTank capacities200 barFuel tank62.50 lHydraulic tank capacity41.60 lDisplacement3.30 lNoise and vibration3.30 lNoise to environment (LWA)101 dB	Starter		3 kW
Auxiliary Hydraulic Pressure 207 bar High-Flow Auxiliary Hydraulics - Option 114 I/min High-Flow Auxiliary Hydraulics Pressure - Option 200 bar Tank capacities ————————————————————————————————————	Hydraulics		
Auxiliary Hydraulic Pressure 207 bar High-Flow Auxiliary Hydraulics - Option 114 I/min High-Flow Auxiliary Hydraulics Pressure - Option 200 bar Tank capacities ————————————————————————————————————	Standard flow - Auxiliary hydraulics		71.40 l/min
High-Flow Auxiliary Hydraulics Pressure - Option 200 bar Tank capacities Company of the Compa			207 bar
Tank capacities 62.50 I Fuel tank 62.50 I Hydraulic tank capacity 41.60 I Displacement 3.30 I Noise and vibration 60.50 I Noise to environment (LwA) 101 dB	High-Flow Auxiliary Hydraulics - Option		114 I/min
Tank capacities 6.2.50 l Fuel tank 62.50 l Hydraulic tank capacity 41.60 l Displacement 3.30 l Noise and vibration	High-Flow Auxiliary Hydraulics Pressure - Option		200 bar
Fuel tank 62.50 I Hydraulic tank capacity 41.60 I Displacement 3.30 I Noise and vibration Company Noise to environment (LwA) 101 dB			
Hydraulic tank capacity Displacement Noise and vibration Noise to environment (LwA) 41.60 I 3.30 I 8	•		62.50 I
Displacement 3.30 l Noise and vibration Noise to environment (LwA) 3.30 l 101 dB			
Noise and vibration Incomparison Noise to environment (LwA) 101 dB			
Noise to environment (LwA)			
` '			101 dR
	Noise at driving position (LpA)		85 dB
Whole-Body Vibration (ISO 2631-1) 0.90 m/s²			
Vibration on hands/arms < 1.77 m/s²	• • •		

1650R - Dimensional drawing







Equipment

ntegral Access Plate (removable)	Standard
ifting function	
All-Tach® Attachment Mounting System	Standard
Auxiliary Hydraulics	Standard
High-Flow Auxiliary Hydraulics	Optional
Power-A-Tach® Attachment Mounting System	Optional
ighting	
Nork Lights - Front and Rear	Standard
Motorization/Power	
Engine Auto-Shutdown System	Standard
Engine Block Heater	Optional
Swing-Out Cooler	Standard
Two-Speed Drive	Optional
Operator station	
Air conditioning with manual adjustment	Optional
Air suspension seat	Optional
Cab Enclosure	Optional
Foot and Hand Throttles 2	Standard
Gehl T-Bar Controls	Optional
Hand/Foot Controls	Optional
Heating	Optional
High-Back Adjustable Seat	Standard
Hom	Standard
Joystick controls	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
Secondary functions	
Counterweight	Optional
-ull Instrumentation	Standard
łydraglide™ Ride Control 3	Optional
Security	
Anti-Vandalism Protection	Standard
Back-Up Alarm	Optional
Brake Control (Auto / Manual)	Standard
lydraloc™ Safety System	Standard
.ift Arm Support Device	Standard





Head Office

B.P. 249 - 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



This publication provides a description of the configuration versions and options for Manitou products, which may differ for equipment. The equipment presented in this brochure may be part of a series, as an option, or it may not be available, depending on the versions. Manitou reserves the right, at any time and without notice, to amend the specifications described and represented. The specifications provided do not bind the manufacturer. For more details, please contact your Manitou agent. This is not a contractually binding document. The presentation of the products is not contractually binding. List of specifications non-exhaustive. The logos as well as the visual identity of the company are owned by Manitou and cannot be used without authorisation. All rights reserved. The photos and diagrams contained in this brochure are only provided for consultation and information purposes.

MANITOU BF SA - Limited company with board of directors - Share capital: 39,668,399 euros - 857 802 508 RCS Nantes