## R190

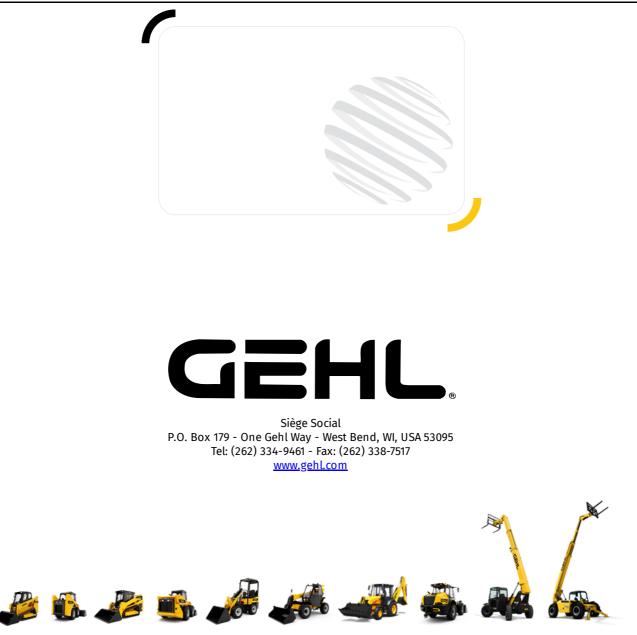
## **SKID LOADERS**





## R190 Created on August 22, 2023 at 5:49:45 p.m. UTC

Rated Operating Capacity of Mo Join of Lower BerlinRes BerlinRes BerlinRes BerlinUnitadies weightImage Series of Lower BerlinSeries Series of Lower BerlinSeries Series of Lower BerlinOverall Departing Height - Fully RaisedIn 22403 mmSeries Series of Lower BerlinOverall Departing Height - Fully RaisedIn 22A03 mmSeries Series of Lower BerlinOverall Height to pol ROPSIn 72A021 ZmmBerlinDump heightIn 23Sort AutomAutomSeries of Lower BerlinOverall Height to pol ROPSIn 72Sort AutomAutomSeries of Lower BerlinDump heightIn 23Sort AutomAutomSeries of Lower BerlinSeries of Lower BerlinOverall Height to pol ROPSIn 30Sort AutomSeries of Lower BerlinSeries of Lower BerlinSeries of Lower BerlinOverall Height to pol ROPSIn 30Sort AmmSeries of Lower BerlinSeries of Lower BerlinSeries of Lower BerlinOverall Height to pol ROPSIn 30Sort AmmSeries of Lower BerlinSeries of Lower BerlinSeries of Lower BerlinWheelbaseIn 30Sort AmmSeries of Lower BerlinSeries of Lower BerlinSeries of Lower BerlinOverall Height to pol ROPSIn 30Sort AmmSeries of Lower BerlinSeries of Lower BerlinOverall Height to pol ROPSIn 30Sort AmmSeries of Lower BerlinSeries of Lower BerlinSeries With tho State of Lower BerlinIn 30Sort AmmSeries of Lower BerlinOver			ki vi cleated oli August 22, 2025 at 5.49.45 p.m. o i c	
Rade Operating Capacity with Optional CounterweightIf is in the index weight of the index weight of the index weight of the index index index index weight of the index	Capacities		Metric	Imperial
Unidar weightImage<	Rated Operating Capacity		862 kg	1900 lb
Weight a dimensionsImage of the second of the s	Rated Operating Capacity with Optional Counterweight		957 kg	2110 lb
Overall peight rolly Raisedh27400 mm55 inb28305 mm121 inOverall height to top of ROPSh172002 mm80 inDump alget rull heighta542 *42 *Overall height to top of ROPS16320 mm72 inDump heighth18320 mm72 inOverall height to top of ROPS163220 mm72 inDump reach - Full height16320 mm72 inDoug reach - Full height16320 mm72 inSett og ound height6130 mm72 inSett og ound height16199 mm64 inOverall with tess bucket01160 mm64 inOverall with tess bucket16172 mm64 inOverall with tess bucket16172 mm64 inOverall with tess bucket16172 mm64 inConvall length - tass bucket16172 mm64 inConvall length - tass bucket16172 mm64 inConvall length - tass bucket16170 mm64 inConvall length - tass bucket16170 mm70 mmConvall length - for without Bucket16170 mm70 mmConvall length - tass bucket16170 mm70 mmTravel speed (unidee)170 mm80 mm/n70 mmTravel speed (unidee)170 mm70 mm70 mmFigher bond16110 mm70 mmStarter voltage170 mm170 km70 kmEn	Unladen weight		3121 kg	6881 lb
Height Unitge Pin - Fully Raisedht8305 mm121 inOverall Height Lo top of ROPSht72032 mm80 in onDump angle at Lil heightht22.31 mm91 in Al.Overall Height Hick Lockht22.31 mm91 in Al.Dump height With bucketht23.20 cm7.21 inDump teight Store S	Weight and dimensions			
Overall Hight to top of ROPSh73032 mm80 inDump heighta542 °42 °Dump heighth59231 mm91 inOverall leight with bucket163226 mm72 inDum prach - Full height163226 mm72 inDum prach - Full height163226 mm72 inRollback at ground height6172 mm82 inSatt at ground height6199 mm39 inWheelbasey9007 mm42 inOverall with height61165 mm66 inOverall with height61165 mm66 inGround clearancem4165 mm66 inGround clearancem4165 mm66 inGround clearance for Le- Fort with Bucketb19130 mm44 inClearance firle - Fort with Bucketb19130 mm44 inClearance firle - Fort with Bucketb19130 mm44 inClearance firle - Fort with Bucketb19130 mm90 mmTravel Speed with Two-Speed Option - MaximumL10000 mm10000 mmTravel Speed with Two-Speed Option - MaximumL10000 mmEngline DamaL	Overall Operating Height - Fully Raised	h27	4013 mm	158 in
bunp angle at full heighta542°42°bunp heighth29231 mm91 invorall length with bucket163205 mm727 inbunp nexh - Full height16372 mm323 inSeat to ground height13326°26°Seat to ground height130991 mm33 inWheebasey1067 mm42 inOverall length hiels bucket011631 mm66 inBucket Withhe11575 mm66 inOverall length - Less Bucket122388 mm94 inOverall length - Less Bucket122388 mm94 inClearance Cricle - Faer19130 mm44 inClearance Cricle - Faer19130 mm44 inClearance Cricle - Faer1000 cricls fb01000 cricls fb0Clearance Cricle - Faer1000 cricls fb01000 cricls fb0Travel Speed with Two-Speed Option - Maximum111000 cricls fb0Travel Speed with Two-Speed Option - Maximum121000 cricls fb0Travel Speed with Two-Speed Option - Maximum121000 cricls fb0Engine brand121000 cricls fb01000 cricls fb0Engine brand121000 cricls fb01000 cricls fb0Engine norm121000 cricls fb01000 cricls fb0Engine norm121000 cricls fb01000 cricls fb0Engine norm121000 cricls fb01000 cricls fb0Battery outage13100 cricls fb0100 cricls fb0B	Height to Hinge Pin – Fully Raised	h28	3061 mm	121 in
bump heighth29231 mm91 inOverall leight with backet1163226 mm727 inDum prach - Full heightr6672 mm23 inRollback ta groundati26 °86 °Sett oground heighth3099 mm93 inWheelbasey000 mm42 inOverall with less backetb1h31 mm66 inSett oground heightb1163 mm66 inOverall with less backetb1163 mm66 inGround clearancem4166 mm61 nOverall with less backetb182000 mm99 inClearance Radius - Front with Backetb19130 mm44 inClearance Circle - Rearwa11486 mm59 inClearance Circle - Rearwa11486 mm59 inPerformaces2000 km/h12 mi/h12 mi/hTravel Speed (uhladen)2000 km/h12 mi/h12 mi/hWeek10.000 kt6.5 HD10.000 kt6.5 HD10.000 kt6.5 HDStandard tyres210 km/h12 mi/h12 mi/hEngine nord4100 MSW Stage VStage VStage VStandard tyres5120 kW5120 kW51/0 kWEngine nord10.000 kt6.5 HD10.000 kt6.5 HD10.000 kt6.5 HDEngine nord10 kW mm51/0 kW51/0 kWStarder (kW)51 kW51/0 kW51/0 kWKerter (kW)51 kW51/0 kW51/0 kWStarder (kW)51 kW51/0 kW31 kWMy	Overall Height to top of ROPS	h17	2032 mm	80 in
Overall legth with bucket1163226 mm127 inDump reach - rull height66572 mm23 inSatt of ground height61326 *26 *Satt of ground height1830991 mm42 inWheebasey0007 mm42 inOverall width less bucketb11531 mm66 inSourd a leighte1165 mm66 inGround Learanceme155 mm66 inOverall leight - Less Bucket122388 mm94 inClearance Adiranceb182007 mm79 inOverall leight - Less Bucketb191130 mm44 inClearance Circle - Front with out Bucketb191130 mm44 inClearance Circle - Front without Bucketb191130 mm44 inClearance Circle - Rearwal2000 km/h12 mi/hTrevel Speed Option - MaximumLes2000 km/h12 mi/hTrevel Speed Option - MaximumLes10 0000 k5 HD80 mi/hStandard tyresLes10 0000 k5 HD10 0000 k5 HDStandard tyresLesStage VStage VSigne modelStage VStage VStage VSigne modelLesStage VStage VStarter (W)LesStage VStage VStarter (W)LesStage VStage VStarter (W)LesStafe MSU Stage VStage VStarter (W)LesStafe MSU Stage VStage VStarter (W)LesStafe MSU Stage V	Dump angle at full height	a5	42 °	42 °
Dump reach - Full heightrf6572 mm23 inRollback at ground41326°26°Rollback at ground6130991 mm39 inWheelbasey1007 mm42 inOverall might thes bucketb11631 mm66 inGround clearancem4165 mm66 inGround clearancem4165 mm66 inOverall might - tes Bucket122338 mm94 inClearance Cricle - Front with Bucketb182007 mm79 inClearance Cricle - Front with bucketb191100 mm44 inClearance Cricle - Rearwait1466 mm59 inPerformancewait200 km/h12 mi/h12 mi/hTravel Speed with Wor-Speed Option - Maximum70200 km/h12 mi/hTravel Speed (unladen)T20 km/h12 mi/h12 mi/hTravel Speed (unladen)T20 km/h12 mi/h12 mi/hEngine mordStage VYanmarYanmarEngine mordStage VStage V41W096C-MMSU Stage VStandard type / Engine rotationStage VStage V12 VStarter (W)Stage VStage N3 kWMachadrage Advantalies - OptionT19 //min18 Us ganHigh-Flow - Auxiliary hydraulicsGto30.30 I6.87 Stage NStarter (W)Stage V30.30 I8.05 galStarter (W)Stage V30.30 I6.87 Stage NStarter (W)Stage V30.30 I8.05 galStarter	Dump height	h29	2311 mm	91 in
Rollback at ground highta1326 °26 °Seat to ground highth30991 mm39 inSeat to ground highth30991 mm39 inWhelbasey1007 mm44 inOverall with hies bucketb1163 mm66 inBucket Withel165 mm66 inGround clearancem4165 mm66 inOverall leight - Less Bucket12238 mm94 inGlearance Radius - Front with Bucketb182007 mm79 inClearance Catice - Front without Bucketb191100 mm44 inClearance Catice - Front without Bucketb19100 km/h2 mi/hClearance Catice - Front without Bucketb1920.0 km/h79 inClearance Catice - Rear20.0 km/h12 mi/h10.00 km/hPartomance20.0 km/h12 mi/h10.00 km/hTravel speed (undaden)20.0 km/h10 mm10.00 km/hWheeds1010.00 km/h10 mm10.00 km/hStandard tyres10.00 km/h10.00 km/h10 km/mEngine Indel41 Wing10.00 km/s HD10.00 km/s HDEngine Indel51 km/m51 km/m51 km/mStandard Row - Auxiliary Hydraulics14110 km/m10 km/mWelbesdor Vultary Undale12 km/m13 km/m10 km/mStandard Row - Auxiliary Hydraulics - Option110 km/m11 km/m11 km/mStandard Row - Auxiliary Hydraulics - Option110 km/m10 km/mHigh-Front Without	Overall length with bucket	l16	3226 mm	127 in
Seat to ground heighth30991 nm39 inWheebasey107 nm42 inWheebasey107 nm42 inWheebaseb1165 nm66 inBuckt Widthe1196 nm66 inGround clearancem4165 nm61 inOverall wight - Less Bucketb122388 nm99 inGearance Cricle - Rearb182007 nm79 inGearance Cricle - Rearwat1100 nm44 inGearance Cricle - Rearwat186 nm59 inPerformances22.000 km/h59 inTravel Speed (unladen)22.000 km/h8 mi/hStadard tyres10.00x/6.5 HD1000x/6.5 HDEngine brand11000x/6.5 HD1000x/6.5 HDEngine norm51 Stagev V51.00 kW51.00 kWStadard tyres112.01 km/h51.10 kWEngine norm12.11 km / fa5.17 pm3.80 kWStatey voltage / fagine rotation12.11 km / fa5.17 pmStatey voltage / fagine rotation112.10 km/hStatey voltage / fagine rotation112.10 kmStater (with)113 US gpmHigh-How Auxiliary hydraulics110.10 kmStater (with)113 US gpmStater (with)113 US gpmFuel tank62.50 l17 US galRearrow Clearch Hydraulics13.01 lStater (with) Hydraulics13.01 lStater (with)	Dump reach - Full height	r6	572 mm	23 in
Wheebasey1067 mm42 inOverall witch less bucketb11637 mm66 inOverall witch less bucketet1676 mm66 inGround clearancem4165 mm6 inOverall length - Less Bucket122.388 mm94 inOverall length - Less Bucketb182.007 mm94 inClearance Caticle - Front with bucketb191100 mm44 inClearance Caticle - Front with bucketb191100 mm44 inClearance Caticle - RearB12.007 mm59 inPerformance100 bucket100 bucket100 bucketClearance Aditory1.00 bucket100 bucket8 mi/hTravel Speed Unith Two-Speed Option - Maximum1.00 bucket SHD100 bucket SHDTravel Speed unith Two-Speed Option - Maximum1.00 bucket SHD100 bucket SHDStandard tyres1.00 bucket SHD100 bucket SHD100 bucket SHDEngine norm1.00 bucket SHD100 bucket SHD100 bucket SHDEngine norm1.00 bucket SHD100 bucket SHD100 bucket SHDEngine norm1.00 bucket SHD100 bucket SHD100 bucket SHDStarter (W)1.00 bucket SHD1.00 bucket SHD100 bucket SHDStarter (W)1.00 bucket SHD1.00 bucket SHD1.00 bucket SHDStarter (W)1.00 bucket SHD1.00 bucket SHD1.00 bucket SHDStarter (W)1.00 bucket SHD1.00 bucket SHD1.00 bucket SHDStarter (W)1.00 bucket SHD1.00 bucket SHD1.0	Rollback at ground	a13	26 °	26 °
Overall width less bucketb11631 nm64 inBucket Widthe1165 nm66 inGround clearancem4165 nm66 inOverall length - Less BucketI22388 mn94 inClearance Circle - Front with Bucketb182007 mm79 inClearance Circle - Front with Bucketb191100 nm44 inClearance Circle - Rearwa11466 mm99 inPerformanceswa11466 mm99 inTravel Speed with Two-Speed Option - Maximum20.00 km /h12 mi/hTravel Speed with Two-Speed Option - Maximum20.00 km /h8 mi/hTravel Speed (unladen)10.000x16.5 HD10.000x16.5 HDStandard tyres10.000x16.5 HD10.000x16.5 HDEngine DrandVanmar10.000x16.5 HDEngine nordVanmarVanmarEngine nordStage VStage VStage VStage VStage VStage V51.70 kWStage VStarter (W)51.70 kW3 kWMax. torque / Engine rotation241 Nm / 1625 rpmStarter (W)18 US gpmStarter (W)18 US gpmStarter (W)18 US gpmField tank62.5017 U/minField tank62.5017 U/galField tank62.5017 U/galField tank62.5017 U/galKeevoir (Capacity Hydraulics62.5017 U/galStage U braction3.3018 US galStage U braction (Stage I)101 dB	Seat to ground height	h30	991 mm	39 in
Bucket Widthe11676 mm66 inGround LearanceM4165 mm6 inOverall length - Less BucketL22388 mm94 inClearance Radius - Front with Bucketb182007 mm79 inClearance Circle - Front with Bucketb191130 mm44 inClearance Circle - Front without Bucketb191130 mm44 inClearance Circle - Front without Bucketwat1466 mm59 inDefarance Circle - Front without Bucketwat1200 km /n59 inDefarance Circle - Front without Bucketwat2001 km /n12 mi/nDefarance Circle - Rearwat100 km /n10 kmTravel Speed (unidae)I100 km /n10 kmStandard tyresI100 km /n10 kmStandard tyresI100 km /n10 kmEngine nordI100 km /n10 kmEngine nordI10 km /n10 kmEngine nordI5170 kW5170 kWStarder (kW)I12 km /n12 kmKa torque / Engine rotationI12 km12 kmStarder (kW)I12 km12 kmStarder flow - Auxiliary HydraulicsI12 kmBattery voltageI12 km12 kmStarder flow - Auxiliary Hydraulics - OptionI12 km12 kmStarder flow - Auxiliary Hydraulics - OptionI3.3013 kWBigh-Flow Auxiliary Hydraulics - OptionI3.3018 kU sgalStarder fl	Wheelbase	У	1067 mm	42 in
Ground clearancem4165 mm6 inOverall length - Less BucketL22388 mm94 inClearance Aduus - Front with Bucketb182007 mm79 inClearance Gricle - Front with Dut Bucketb191130 mm44 inClearance Gricle - Rearwa11486 mm59 inPerformanceswa11486 mm59 inTrevel Speed with Two-Speed Option - Maximum2020.00 km/h12 mi/hTrevel Speed with Two-Speed Option - Maximum203000x16.5 HD1000x16.5 HDTrevel Speed with Two-Speed Option - Maximum1010.00x16.5 HD1000x16.5 HDStandard tyres10.00x16.5 HD10.00x16.5 HD10.00x16.5 HDEngine brand10.00x16.5 HD10.00x16.5 HD10.00x16.5 HDEngine nord10.00x16.5 HD <td>Overall width less bucket</td> <td>b1</td> <td>1631 mm</td> <td>64 in</td>	Overall width less bucket	b1	1631 mm	64 in
Qverall length - Less BucketI22388 mm94 inClearance Kadius - Front with Bucketb182000 mm79 inClearance Kadius - Front with Bucketb18100 mm44 inClearance Circle - Rearwa11486 mm59 inPerformanceswa11486 mm59 inTavel Speed with Nuo-Speed Option - MaximumI2010 km/h10 mi/hTavel Speed with Nuo-Speed Option - MaximumI2010 km/h8 mi/hTavel Speed with Nuo-Speed Option - MaximumI10 000 clis 5 HD8 mi/hTavel Speed with Nuo-Speed Option - MaximumI10 000 clis 5 HD10 000 clis 5 HDStandard tyresI10 000 clis 5 HD10 000 clis 5 HD10 000 clis 5 HDEngine DaridI10 000 clis 5 HD10 000 clis 5 HD10 000 clis 5 HDEngine DaridI10 000 clis 5 HD10 clis 10 km10 clis 10 kmEngine DaridI10 000 clis 5 HD10 clis 10 km10 clis 10 kmEngine DaridI10 000 clis 5 HD10 clis 10 km10 clis 10 kmEngine DaridI10 clis 10 km10 clis 10 km10 clis 10 kmBattery voltageI10 clis 10 km10 clis 10 km10 clis 10 kmBattery voltageI10 clis 10 km10 km10 kmBattery voltageI10 clis 10 km10 km10 kmBattery voltageI10 clis 10 km10 km10 kmBattery voltageI10 km10 km10 kmBattery voltage <td>Bucket Width</td> <td>e1</td> <td>1676 mm</td> <td>66 in</td>	Bucket Width	e1	1676 mm	66 in
Clearance Actius - Front with Bucketb182007 mm79 inClearance Circle - Front with but Bucketb191130 mm44 inClearance Circle - Front with but Bucketb191130 mm44 inClearance Circle - Front with but Bucketb191130 mm44 inClearance Circle - Front with but Bucketb1911486 mm59 inPerformances12010 km/h12 mi/h12 mi/hTravel Speed (uhaden)12 mi/h8 mi/h8 mi/hWhels1010.00x16.5 HD10.00x16.5 HDEngine Port1010.00x16.5 HD10.00x16.5 HDEngine Port1010.00x16.5 HD10.00x16.5 HDEngine nord1010.00x16.5 HD10.00x16.5 HDNet Power (kW)1510.00x16.5 HD10.00x16.5 HDNet power (kW)1010.00x16.5 HD10.00x16.5 HDStarder (W)110 H10.00x16.5 HD10.00x16.5 HDStarder Jourge / Engine rotation12241Nn / 1625 rpm17.0 KWStarder Jourge / Engine rotation119 / Vinin31.05 gpmStarder Jourge / Engine rotation119 / Vinin31.05 gpmStarder Jourge / Engine rotation119 / Vinin31.05 gpm <td>Ground clearance</td> <td>m4</td> <td>165 mm</td> <td>6 in</td>	Ground clearance	m4	165 mm	6 in
Clearance Circle - Front without Bucketb191130 mm44 inClearance Circle - Rearwa11486 mm59 inPerformances000Travel Speed Option - Maximum20.00 km/h12 mi/hTravel Speed with Two-Speed Option - Maximum12.00 km/h8 mi/hTravel Speed with Two-Speed Option - Maximum12.00 km/h8 mi/hStandard tyres12.00 km/h8 mi/hStandard tyres10.00x16.5 HD10.00x16.5 HDEngine brand1010.00x16.5 HD10.00x16.5 HDEngine brand1010.00x16.5 HD10.00x16.5 HDEngine norm10Stage VStage VGross Power (kW)10Stage VStage VStardard tyres1217.0 kW51.70 kWNet Power (kW)1012.0 km/h12.0 km/hStardard flow - Auxiliary hydraulics12241 Nm / 162 rpm178 ftt/lbs / 162 rpmStandard flow - Auxiliary hydraulics - Option1970 l/min18 US gpmHigh-Flow Auxiliary hydraulics - Option193.30 l3.03 UNeservoir Capacity Hydraulics103.03 U8.05 galDisplacement23.00 l8.05 gal0.86 rJS galNote-Body Vibration (ISO 2631-I)6101 dB101 dBWheel-Body Vibration (ISO 2631-I)6101 dB101 dB	Overall length - Less Bucket	12	2388 mm	94 in
Val1486 mm59 inPerformancesImage of the second of the	Clearance Radius - Front with Bucket	b18	2007 mm	79 in
PerformancesImage: Constraint of the second sec	Clearance Circle - Front without Bucket	b19	1130 mm	44 in
Travel Speed with Two-Speed Option - Maximum200 km/h12 mi/hTravel speed (unladen)12.0 km/h8 mi/hWheels10.00x16.5 HD0.00x16.5 HDStandard tyres10.00x16.5 HD10.00x16.5 HDEngine Drand10.00x16.5 HD10.00x16.5 HDEngine model4TMV98C-MMSLV Stage V4TMV98C-MMSLV Stage VEngine model4TMV98C-MMSLV Stage V51.70 kWStarder (W)51.70 kW51.70 kWNet Power (kW)651 kW51.70 kWNet Power (kW)1251.70 kWStarder (W)12 V51.70 kWStarder (W)12 V51.70 kWStarder (KW)12 V12 VStarder R(W)12 V3 kWStarder R(W)12 V3 kWStarder R(W)13 kU Sgm18 kU SgmBattery voltage19 /70 l/min18 kU SgmHgh-flow Auxiliary Hydraulics – Option19 /70 l/min3 lU SgmTank capacities30.30 l8 US galDisplacement62.50 l70 U SgalDisplacement3.30 l0.87 US galNoise and wibratoin63.30 l8 US galEnvironmental noise (twA)101 dB101 dBWhole-Body Vibration (ISO 2631-1)0.96 m/s²0.96 m/s²	Clearance Circle - Rear	wa1	1486 mm	59 in
Travel speed (unladen)T2.10 km/h8 mi/hWheels10.00x16.5 HD0Standard tyres00.00x16.5 HDEngine00.00x16.5 HDEngine brand0NanmarEngine norm41NV98C-NMSUV Stage V41NV98C-NMSUV Stage VEngine norm0Stage VGross Power (kW)51.70 kW51.70 kWNet Power (kW)051 kW51.70 kWNat. torque / Engine rotation241 Nm / 1625 rpm178 ft/lbs / 1625 rpmBattery voltage2241 Nm / 1625 rpmStarder (kW)3 kW3 kWStarder flow - Auxiliary hydraulics070 l/minHgh-Flow Auxiliary Hydraulics - Option119 (Jmin31 US gpmTank capacities30.30 l8 US galDisplacement630.30 l8 US galDisplacement Loose (LwA)0.96 m/s²0.96 m/s²Whole-Body Vibration (ISO 2631-1)0.96 m/s²0.96 m/s²	Performances			
WheekImage: Constraint of the server of the ser	Travel Speed with Two-Speed Option - Maximum		20.10 km/h	12 mi/h
Standard tyres10.00x16.5 HD10.00x16.5 HDEngineII <td< td=""><td>Travel speed (unladen)</td><td></td><td>12.10 km/h</td><td>8 mi/h</td></td<>	Travel speed (unladen)		12.10 km/h	8 mi/h
Engine     Image: Section of the section of t	Wheels			
Engine brandYanmarYanmarEngine model4TNV98C-NMSLV Stage V4TNV98C-NMSLV Stage VEngine norm4TNV98C-NMSLV Stage V4TNV98C-NMSLV Stage VEngine norm5tage VStage VGross Power (kW)5till5tage VNet Power (kW)5till5tillNet power (kW)25tikWMax. torque / Engine rotation241Nm / 1625 rpm718 ft/lbs / 1625 rpmBattery voltage12 V12 VStarter (kW)3 kW3 kWHydraulics12 V12 VStandard flow - Auxiliary hydraulics – Option19 V18 US gpmHigh-Flow Auxiliary hydraulics – Option19 V19 VFue tank662.50 l17 US galReservoir Capacity Hydraulics63.00 l8 US galDisplacement63.00 l8 US galMoise and vibration6101 dB101 dBWhole-Body Vibration (ISO 2631-1)50 Sem /s²0.96 m/s²	Standard tyres		10.00x16.5 HD	10.00x16.5 HD
Engine model4TNV98C-NMSLV Stage V4TNV98C-NMSLV Stage VEngine normStage VStage VGross Power (kW)51.70 kW51.70 kWNet Power (kW)51.70 kW51.70 kWNet Power (kW)241 Nm / 1625 rpm178 ft/lbs / 1625 rpmBattery voltage241 Nm / 1625 rpm178 ft/lbs / 1625 rpmBattery voltage12 V12 VStarter (kW)3 kW3 kWHydraulics3 kW3 kWHydraulics - Option119 l/min18 US gpmFuel tank662.50 l17 US galFuel tank3.30 l8 US galDisplacement3.30 l8 US galKose and vibration0.96 m/s²0.96 m/s²Whole-Body Vibration (ISO 2631'h)0.96 m/s²0.96 m/s²	Engine			
Engine normStage VStage VGross Power (kW)51.70 kW51.70 kWNet Power (kW)51 kW51 kWMax. torque / Engine rotation241 Nm / 1625 rpm178 ft/lbs / 1625 rpmBattery voltage241 Nm / 1625 rpm178 ft/lbs / 1625 rpmBattery voltage12 V12 VStarter (kW)3 kW3 kWHydraulics3 kW3 kWStandard flow - Auxiliary hydraulics6000 l/minStandard flow - Auxiliary hydraulics - Option119 l/min31 US gpmTank capacities001 l/min31 US gpmFuel tank62.50 l17 US galReservoir Capacity Hydraulics3.30 l8 US galDisplacement3.30 l0.87 US galNoise and vibration101 dB101 dBWhole-Body Vibration (ISO 2631-1)0.96 m/s²0.96 m/s²	Engine brand		Yanmar	Yanmar
Gross Power (kW)   51.70 kW   51.70 kW     Net Power (kW)   51.70 kW   51.70 kW     Max. torque / Engine rotation   241 Nm / 1625 rpm   178 ft/lbs / 1625 rpm     Battery voltage   241 Nm / 1625 rpm   178 ft/lbs / 1625 rpm     Battery voltage   12 V   12 V     Starter (kW)   3 kW   3 kW     Hydraulics   3 kW   3 kW     Starter (kW)   70 l/min   18 US gpm     High-Flow Auxiliary Hydraulics – Option   119 l/min   31 US gpm     Tank capacities   0   119 l/min   31 US gpm     Fuel tank   62.50 l   17 US gal   17 US gal     Reservoir Capacity Hydraulics   30.30 l   8 US gal   10 Hgm     Displacement   30.30 l   8 US gal   101 dB   101 dB     Noise and vibration   0.96 m/s <sup>2</sup> 0.96 m/s <sup>2</sup> 0.96 m/s <sup>2</sup> 0.96 m/s <sup>2</sup>	Engine model		4TNV98C-NMSLV Stage V	4TNV98C-NMSLV Stage V
Net Power (kW)S1 kWS1 kWMax. torque / Engine rotation241 Nm / 1625 rpm178 ft/lbs / 1625 rpmBattery voltage12 V12 VStarter (kW)3 kW3 kWHydraulics3 kW3 kWHydraulics - Option10 10 //min18 US gpmTank capacities19 1/min31 US gpmFuel tank623.30 l17 US galDisplacement30.30 l8 US galNoise and vibration10 10 dB101 dBWhole-Body Vibration (ISO 2631-1)60.96 m/s²	Engine norm		Stage V	Stage V
Max. torque / Engine rotation241 Nm / 1625 rpm178 ft/lbs / 1625 rpmBattery voltage12 V12 VStarter (kW)3 kW3 kWHydraulics3 kW3 kWHydraulics1010 LStandard flow - Auxiliary Hydraulics - Option19 l/min31 US gpmTank capacities1010 LFuel tank62.50 l17 US galReservoir Capacity Hydraulics103.00 l8 US galDisplacement30.30 l8 US galNoise and vibration101 dB101 dBWhole-Body Vibration (ISO 2631-1)0.96 m/s²0.96 m/s²	Gross Power (kW)		51.70 kW	51.70 kW
Battery voltage12 VStarter (kW)3 kWHydraulics3 kWHydraulicsCStandard flow - Auxiliary Hydraulics – Option10 (min)High-Flow Auxiliary Hydraulics – Option119 l/minTank capacitiesCFuel tank62.50 lFuel tank30.30 lReservoir Capacity Hydraulics30.30 lDisplacement3.30 lNoise and vibrationCEnvironmental noise (LwA)6Whole-Body Vibration (ISO 2631-1)0.96 m/s²Ope m/s²0.96 m/s²	Net Power (kW)		51 kW	51 kW
Starter (kW)3 kWHydraulics3 kWHydraulics3 kWStandard flow - Auxiliary hydraulics10 mmmStandard flow - Auxiliary hydraulics10 mmmHigh-Flow Auxiliary Hydraulics - Option119 l/minTank capacities119 l/minFuel tank62.50 lFuel tank30.30 lReservoir Capacity Hydraulics30.30 lDisplacement3.30 lNoise and vibration10 dBEnvironmental noise (LwA)0.96 m/s²Whole-Body Vibration (ISO 2631-1)0.96 m/s²	Max. torque / Engine rotation		241 Nm / 1625 rpm	178 ft/lbs / 1625 rpm
HydrauticsImage: constraint of the second secon	Battery voltage		12 V	12 V
Standard flow - Auxiliary Hydraulics18 US gpmHigh-Flow Auxiliary Hydraulics – Option119 l/min31 US gpmTank capacities119 l/min31 US gpmFuel tank62.50 l17 US galReservoir Capacity Hydraulics30.30 l8 US galDisplacement3.30 l0.87 US galNoise and vibration101 dB101 dBEnvironmental noise (LwA)0.96 m/s²0.96 m/s²	Starter (kW)		3 kW	3 kW
High-Flow Auxiliary Hydraulics – Option 19 //min 31 US gm Tank capacities 19 //min 31 US gm Tank capacities 20 20 20 20 20 20 20 20 20 20 20 20 20	Hydraulics			
Tark capacitiesImage: Constraint of the sector	Standard flow - Auxiliary hydraulics		70 l/min	18 US gpm
Fuel tank62.50 l17 US galReservoir Capacity Hydraulics30.30 l8 US galDisplacement3.30 l0.87 US galNoise and vibration00Environmental noise (LwA)101 dB101 dBWhole-Body Vibration (ISO 2631-1)0.96 m/s²0.96 m/s²	High-Flow Auxiliary Hydraulics – Option		119 l/min	31 US gpm
Reservoir Capacity Hydraulics30.30 l8 US galDisplacement3.30 l0.87 US galNoise and vibration00Environmental noise (LwA)101 dB101 dBWhole-Body Vibration (ISO 2631-1)0.96 m/s²0.96 m/s²	Tank capacities			
Displacement 3.30 l 0.87 US gal   Noise and vibration 0 0   Environmental noise (LwA) 101 dB 101 dB   Whole-Body Vibration (ISO 2631-1) 0.96 m/s <sup>2</sup> 0.96 m/s <sup>2</sup>	Fuel tank		62.50 l	17 US gal
Noise and vibration Image: Comparison of the second seco	Reservoir Capacity Hydraulics		30.30 l	8 US gal
Environmental noise (LwA)     101 dB     101 dB       Whole-Body Vibration (ISO 2631-1)     0.96 m/s²     0.96 m/s²	Displacement		3.30 l	0.87 US gal
Whole-Body Vibration (ISO 2631-1)     0.96 m/s <sup>2</sup> 0.96 m/s <sup>2</sup>	Noise and vibration			
	Environmental noise (LwA)		101 dB	101 d B
Vibration to whole hand/arm < 1.50 m/s <sup>2</sup> < 1.50 m/s <sup>2</sup>	Whole-Body Vibration (ISO 2631-1)		0.96 m/s²	0.96 m/s <sup>2</sup>
	Vibration to whole hand/arm		< 1.50 m/s <sup>2</sup>	< 1.50 m/s²



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