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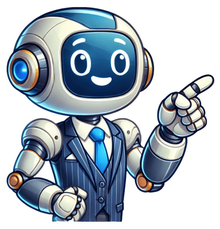

Dimensions EGround ClearanceOverall Length With 3-Point HitchHeight With Rops 2017 - BX80 SeriesBackhoe loader tractor Series map: BX23S23.0hp Kubota BX23S Tires Industrial front18x8.5-10 Industrial rear26x12-12 Dimensions Wheelbase55.1 inches139 cm Width48 inches121 cm Height (ROPS)83.1 inches211 cm Height (backhoe)67.7 inches171 cm Clearance (front axle)8.4 inches21 cm Front tread36.6 inches 92 cm Rear tread32.2 inches 81 cm Page information Copyright 2024 TractorData.com® TractorData is a family-owned small business located in Minnesota that has been providing reference information on tractors since 1999. Peter Easterlund - owner/author Email: Peter@TractorData.com Updated on April 27, 2018 ©2000-2024 - TractorData.com®. Notice: Every attempt is made to ensure the data listed is accurate. However, differences between sources, incomplete listings, errors, and data entry mistakes do occur. Consult official literature from the manufacturer before attempting any service or repair. 2017 - BX80 SeriesBackhoe loader tractor Series map: BX23S23.0hp Production ManufacturerKubota Backhoe loader tractor Original price was $20,325 in 2017 Variants BX2380utility tractor BX23Sloader-backhoe tractor Kubota BX23S Power Engine (gross)23 hp17.2 kW Engine (net)20.4 hp15.2 kW Mechanical Four-wheel drive Power steering Wet disc brakes Two-post foldable ROPS. Hydraulics Pump flow6.2 gpm23.5 lpm Electrical Groundnegative Charging systemalternator Charging amps40 Battery CCA560 Battery volts12 Page information Copyright 2024 TractorData.com® TractorData is a family-owned small business located in Minnesota that has been providing reference information on tractors since 1999. Peter Easterlund - owner/author Email: Peter@TractorData.com Updated on April 27, 2018 Engine Specs Type diesel Capacity 0.9l Horsepower 23hp Torque 54.6nm User Manual Kubota BX23S User Manual Number of cylinders 3 Cooling system type liquid-cooled Emission standards compliance tier 4 Turbocharged or naturally aspirated naturally aspirated Engine rpm range 3200 rpm / 1900 rpm Dimensions Length 2670 mm / 105.1 in Width 1180 mm / 46.5 in Height 2260 mm / 89 in Weight 749 kg / 1652 lbs Wheelbase 1560 mm / 61.4 in Ground clearance 210 mm / 8.3 in Turning radius 2.4 m / 7.9 ft Performance Specs Top speed 13.7 km/h / 8.5 mph Parts & Accessories Kubota BX23S Parts & Accessories Fuel consumption 2.9 l/h / 0.77 gal/h Fuel tank capacity 25.5 l / 6.8 gal Maximum towing capacity 590 kg / 1300 lbs Maximum drawbar pull 8.3 kn / 1860 lbs Transmission type hydrostatic Number of forward and reverse gears 2 range / 2 speed Differential lock automatic Axle configuration 4wd Features Cabin features adjustable seat, rops, climate control Transmission features cruise control, power steering Tires front: 18x8.5-10 / rear: 26x12-12 PTO details standard pto, rear pto: 540 rpm Lighting work lights, beacon light Safety features seat belt, rollover protection, emergency stop Tires & Wheels Kubota BX23S Tires & Wheels Steering system power-assisted Climate control heating Electrical Specs Battery type and capacity 12v / 50ah Alternator type and power output 12v / 40a Electrical system type 12v Wiring protection features fuses Starter system electric start On-board computer or diagnostic systems fault codes Hydraulic Specs Hydraulic system type open center Pump flow rate 23.3 l/min / 6.2 gal/min Maximum hydraulic pressure 178 bar / 2580 psi Lift capacity 260 kg / 573 lbs Control type load-sensing Filters & Maintenance Kubota BX23S Filters & Maintenance Hydraulic remotes 1 Environmental and Durability Specs Operating temperature range -10°c to 45°c / 14°f to 113°f Noise level 87 db(a) Water fording depth 0.3 m / 1 ft Corrosion resistance not specified Attachments and Compatibility Specs Front loader compatibility lift height: 2.15 m / 84.6 in, lift capacity: 545 kg / 1200 lbs Backhoe compatibility digging depth: 2.34 m / 92.1 in, reach: 3.6 m / 142.1 in Compatibility with implements plows, harrow, mowers Optional equipment cab kit Connectivity Specs GPS and navigation system not specified Remote monitoring not specified Bluetooth and Wi-Fi connectivity not specified Compatibility with precision agriculture tools not specified Price Specs MSRP $19,900 Current market price $18,000 Financing options lease, loan terms Warranty Specs Duration of warranty 2 years / 1000 hours Coverage details powertrain, hydraulics, electronics Extended warranty options not specified Maintenance Specs Service intervals engine oil: 200 hours, filters: 200 hours Parts availability global Dealer support and service network not specified Other Relevant Specs Manufacturer’s recommended uses plowing, tilling, hauling Year of manufacture or model year 2021 Country of origin or manufacturing facilities japan Market availability global Kubota BX23S User Manual Kubota BX23S Parts & Accessories Pros Cons Compact size for easy maneuverability Not suitable for large-scale farming or commercial use Powerful engine and transmission Expensive compared to other compact tractors Easy to operate and maintain Limited hydraulic power and lift capacity Multiple attachments available May struggle with heavy-duty tasks Comfortable seating and ergonomic controls Minimal storage space for tools and equipment Reviews of Kubota BX23S by Owners - Real User Experiences Name Review John Smith The Kubota BX23S is a great tractor for any homeowner. It's compact size makes it easy to maneuver around tight spaces, yet it's powerful enough to get the job done. I also appreciate the ease of use and maintenance. Jane Doe I recently purchased the BX23S and am very impressed with its versatility. It's perfect for mowing, digging, and hauling. The 4WD and hydrostatic transmission make it easy to navigate any terrain. Mike Johnson This tractor exceeded my expectations. It's well built and sturdy, and the backhoe attachment is a game changer. I've used it for everything from digging trenches to landscaping and it hasn't let me down. Sara Lee I've been using the BX23S for my small farm and it's been a lifesaver. It's easy to operate and has plenty of power. The front loader is great for moving hay bales and the backhoe attachment has saved me time and energy. Tom Williams The BX23S is a reliable and efficient tractor. The diesel engine is powerful and efficient and the hydrostatic transmission makes it easy to operate. I would highly recommend this tractor to anyone in need of a versatile and durable machine. Common Issues and Problems with Kubota BX23S Kubota BX23S Filters & Maintenance Kubota BX23S Tires & Wheels Overheating of the engine Poor performance of the hydraulic system Difficulty in starting the tractor Excessive vibration during operation Leaks in the fuel or oil system Problems with the transmission or clutch Malfunctioning of the electrical system Issues with the steering or brakes Common Questions About Kubota BX23S What is the fuel tank capacity of the Kubota BX23S tractor? The fuel tank capacity of the Kubota BX23S tractor is 25.5 l / 6.8 gal. What is the maximum drawbar pull of the Kubota BX23S tractor? The maximum drawbar pull of the Kubota BX23S tractor is 8.3 kn / 1860 lbs. What is the maximum hydraulic pressure of the Kubota BX23S tractor? The maximum hydraulic pressure of the Kubota BX23S tractor is 178 bar / 2580 psi. What is the warranty coverage of the Kubota BX23S tractor? The Kubota BX23S tractor comes with a 2-year / 1000-hour warranty that covers powertrain, hydraulics, and electronics. What is the manufacturer’s recommended use for the Kubota BX23S tractor? The Kubota BX23S tractor is recommended for plowing, tilling, and hauling. What is the price of the Kubota BX23S tractor? The MSRP of the Kubota BX23S tractor is $19,900, and the current market price is $18,000. What is the lift capacity of the Kubota BX23S tractor? The lift capacity of the Kubota BX23S tractor is 260 kg / 573 lbs. What is the transmission type of the Kubota BX23S tractor? The Kubota BX23S tractor uses a hydrostatic transmission type with 2 range / 2 speed. The Kubota BX23S is a 4WD backhoe loader tractor from the BX80 series. This tractor has been manufactured by the Kubota from 2017. The Kubota BX23S is equipped with 0.9 L three-cylinder diesel engine and hydrostatic transmission with High-Low gear shift (2 forward and 2 reverse gears).The Kubota BX23S backhoe loader tractor used the Kubota D902 engine. It is a 0.9 L, 898 cm2, (54.8 cu·in) three-cylinder natural aspirated diesel engine with 72.0 mm (2.83 in) of the cylinder bore and 73.6 mm (2.9 in) of the piston stroke. This engine produced 23.3 PS (17.1 kW; 23.0 HP) at 3,200 rpm of gross output power and 18 PS (13.2 KW; 17.7 HP) of PTO horsepower.The Kubota BX23S is equipped with hydrostatic type steering, wet disc type brakes, open operator station with ROPS (Rollover protection structure) and 25.0 liters (6.6 US gal.; 5.5 Imp. gal) fuel tank.Following attachments are available for Kubota BX23S backhoe loader tractor:Kubota LA340 loaderKubota LA340S loaderKubota BT603 backhoeKubota BX23S SpecificationsGeneral SpecificationsModelKubota BX23SLength2,515 mm (99 in)Width1,145 mm (45.1 in)Height2,190 mm (86.2 in)Wheel base1,400 mm (55.1 in)Weight725 kg (1598.3 lbs)Fuel tank capacity25.0 liters (6.6 US gal.; 5.5 Imp. gal)Battery12V, CCA: 560ACabin typeOpen operator station with ROPSEngineEngine modelKubota D902Engine typeFour-stroke, liquid-cooled, inlineCylinders3Fuel typeDieselDisplacement0.9 L, 898 cm2, (54.8 cu·in)Bore and stroke72.0 mm X 73.6 mm (2.83 in X 2.9 in)Horsepower23.3 PS (17.1 kW; 23.0 HP) at 3,200 rpmTorque56.1 N·m (5.7 kg·m, 41.3 ft·lb)StarterElectricOil capacity:3.3 L (3.49 US. qt, 2.9 Imp. qt.)Coolant capacity:3.1 L (3.28 US. qt, 2.73 Imp. qt.)Transmission and chassisChassis4×4 MFWD 4WDSteering typeHydrostatic typeBrakesWet disc typeTransmission model–Transmission typeHydrostaticGearsHigh-Low gear shift (2 forward and 2 reverse)Speed Forward: 13.5 kmh (8.4 mph) Reverse: 10.5 (6.5 mph)Transmission oil capacity11.3 L (11.94 US. qt, 9.94 Imp. qt.)TiresFront tiresTurf/Bar/Industrial: 18×8.50-10Rear tiresTurf/Bar/Industrial: 26×12.00-12Three-Point HitchCaterogyIControl type–Lift capacity548 kg (1,210 lbs)Hydraulic systemHydraulic type–Pressure1,850 psi (128 bar)Pump flow6.2 gpm (23.5 lpm) ATTENTION! Dear visitors, this site is not a trading platform, an official dealer or a spare parts supplier, so we do not have any price lists, spare parts catalogs, service or owner manuals. We are an information portal and provide the technical specifications.We try to use verified sources and official documentation, however, differences between sources or errors in entering information may occur. In addition, the characteristics may vary depending on the modification and market. We do not provide advice on technical issues related to the any operation or repair. We do not recommend using provided information for repairing or spare parts ordering, use only official service manuals and spare-parts catalogs. Complete specifications and technical data for the Kubota BX23S. Compare with similar tractors from Kubota and other manufacturers.Contact Us|Privacy Policy© 2025 Heavy Equipment Specs - All rights reserved. Backhoe Loaders and Industrial Tractors Technical Specifications _____ D902 Engine Specifications Type - Liquid-cooled, 3-cylinder diesel Model - Kubota D902 Engine gross HP at 3200 rpm HP (kW) - 23.0 (17.1) PTO horsepower at 3200 rpm HP (kW) - 17.7 (13.2) Displacement cu.in. (cc) - 54.8 (898) Fuel tank capacity gal. (l) - 6.6 (25) Kubota BX23S Drive Train Transmission - HST, High-Low gear shift (2 forward / reverse) Drive method - 4WD Brakes - Wet disc Power Take-off - Live independent PTO (with hydraulic clutch) Rear PTO - STD (540 rpm) Mid PTO - STD (2500 rpm) Kubota BX23S Hydraulics Pump output gpm (l/min.) - 6.2 (23.5) 3-Point hitch - Optional Lift capacity 24 behind pin lbs. (kg) - 680 (310) Steering - Hydraulic power steering Tire Size Front Turf/Bar/Industrial - 18x8.5–10 / 18x8.5– 10 / 18x8.5–10 Rear Turf/Bar/Industrial - 26x12–12 / 26x12–12 / 26x12–12 Traveling Speeds At Rated Engine RPM Forward mph (km/h) - 0-8.4 (0-13.5) Reverse mph (km/h) - 0-6.5 (0-10.5) Kubota BX23S Dimensions Length with 3-point hitch in. (mm) - 99.0(2515) w/Front guard Width in. (mm) - 45.1 (1145) Height with ROPS in. (mm) - 86.2 (2190) Wheelbase in. (mm) - 55.1 (1400) Ground clearance (front axle) in. (mm) - 8.4 (213) Front Tread in. (mm) - 36.6 (930) Rear Tread in. (mm) - 32.2 (820) Turning radius (w/o brake) feet (m) - 7.5 (2.3) Tractor weight (w/ROPS) lbs. (kg) - 1570 (712) BT603 Backhoe Specifications Bucket cylinder digging force lbf. (N) - 1936 (8610) Dipperstick cylinder digging force lbf. (N) - 1171 (5209) Boom swing mechanism One cylinder Shipping weight (with 12 bucket) lbs. (kg) - 607 (275) Transport height in. (mm) - 67.7 (1719) Loading height ft. (mm) - 5 (1533) Digging depth ft. (mm) - 6.1 (1842) Swing pivot to rear axle center line in. (mm) - 28.6 (726) Reach from swing pivot ft. (mm) - 8.7 (2612) Bucket rotation degrees - 180 Swing arc degrees - 140 Angle of departure degrees - 20.1 LA340 Loader Specifications Max. lift height (to bucket pivot pin) in. (mm) - 71.0 (1804) Dumping clearance in. (mm) - 52.1 (1323) Dumping reach at max. lift height in. (mm) - 25.4 (646) Maximum dump angle degrees - 45 Reach with bucket on ground in. (mm) - 54.8 (1392) Bucket rollback angle degrees - 29 Digging depth in. (mm) - 4.9 (125) Bucket width in. (mm) - 48 (1219) Lift capacity (500mm fwd, max. height) lbs. (kg) - 509 (231) Lift capacity (pivot pin, max. height) lbs. (kg) - 739 (335) Breakout force (500mm fwd) lbf. (N) - 987 (4389) Raising time / lowering time (w/o load) second - 3.3 / 2.5 Bucket rollback time / dumping time second - 2.3 / 2.7 RCK54 Mower Specifications Adjustment of cutting height - Dial gauge Cutting height - 1.0-4.0 in. (25-102 mm) at 1/4 in. (6.4mm) Cutting width; in. (mm) - 54 (1,372) Mower Deck Model - RCK48P-18BX / RCK54P-23BX Deck Type - Side Discharge Mounting method - Suspended-Linkage Number of blades - 3 Weight - 165 lbs. (75 kg) / 209 lbs. (95 kg) KUBOTA BACKHOE LOADERS SPECIFICATIONS B21 TLB B26 TLB BX25 TLB L35 TLB L39 TLB _____ KUBOTA BACKHOE LOADERS SPECIFICATIONS B21 TLB B26 TLB BX23S TLB BX25 TLB L35 TLB _____ L45 TLB L47 TLB L48 TLB M59 TLB M62 TLB _____ CATERPILLAR BACKHOE LOADERS SPECIFICATIONS 416 416C 428C 426C 438C _____ 416E 420E 422E 428E 430E _____ Home / Backhoe Loaders / Kubota Backhoe Loaders / Kubota BX23S The Kubota BX23S tractor loader backhoe was manufactured from 2017 to 2021. The Kubota BX23S TLB powerline includes a Kubota D902 four-stroke vertical 3-cylinder water-cooled diesel engine, and 2-range hydrostatic transmission with high-low gear shift. A 54.8 cu.in (0.9 L) engine has a cylinder bore of 2.83" (72 mm), piston stroke of 2.9" (73.6 mm), and rated power of 23 Hp (17.2 kW). The max travel speed (forward/reverse): 8.4 mph (13.5 kph) and 6.5 mph (10.5 kph). The open center hydraulic system used a gear pump with a rated fluid flow of 6.2 gpm (23.5 lpm). The main relief pressure is 128 bar (1850 psi). The Kubota BX23S TLB is equipped with 18x8.50-10 front tires and 26x12.00-12 rear tires. The wheelbase is 55.1 in (1400 mm). The LA340S loader has a lifting capacity (at pivot pin) of 615 lbs (280 kg) to max height of 71 in (1804 mm), and breakout force of 1285 lbs (585 kg). A full dump clearance with a 45-degree max dump angle is 50.7 in (1288 mm). The raising cycle time is 3.3 sec from ground level to full height, and bucket dumping time is 2.7 sec. The 48 in (1220 mm) standard material bucket has a nominal heaped capacity of 6.0 cu.ft (0.17 m3). The BT603 backhoe has a maximum depth of 74.4 in (1890 mm), 2-ft flat depth of 72.5 in (1840 mm), and 8-ft flat depth of 41.7 in (1060 mm). The digging force is 1170 lbs (530 kg) using a dipperstick cylinder and 1936 lbs (880 kg) using a bucket cylinder. The reach from swing pivot at ground line is 102.8 (2612 mm). The backhoe can be fitted with 12" (305 mm) or 16" (405 mm) buckets. Engine Model Kubota D902 Engine Type Vertical water-cooled 4-stroke diesel Number of Cylinders 3 Cylinder Bore, in (mm) 2.83 (72.0) Piston Stroke, in (mm) 2.90 (73.6) Total Displacement, cu.in (L) 54.8 (0.898) Maximum Power, hp (kw) 23.0 (17.2) Rated Speed, rpm 3200 Idle Speed, rpm 900-3800 Aspiration Naturally aspirated Compression Ratio 24:1 Firing Order 1-2-3 Combustion Chamber Spherical type Direction of Rotation Counter-clockwise Fuel Injection Pump Bosch type Injection nozzle Bosch Throttle type Governor Type All speed mechanical governor Lubrication System Forced lubrication by trochoid pump Oil Pressure Indicating Electrical type switch Oil Filter Type Full flow paper filter (cartridge) Valve Clearance (Cold), in (mm) 0.0057-0.0073 (0.145-0.185) Fuel Tank Capacity, gal (L) 6.6 (25.0) Oil Capacity, qts (L) 4.0 (3.7) Coolant Capacity, qts (L) 3.4 (3.2) Electrical System Rating, Volts 12 Alternator Rating, Amps 40 Starting System Electric starting with starter Starter Rating 12V, 1.2 kW PTO Operational Type Independent PTO Horsepower, hp (kW) 17.5 (13.0) PTO Clutch Hydraulic Rear PTO Speed, rpm 540 Mid PTO Speed, rpm 2500 Transmission Type Hydrostatic, high-low gear shift Number of Forward Gears Infinite (2-range) Number of Reverse Gears Infinite (2-range) Oil Capacity, qts (L) 12.0 (11.3) Maximum Forward Speed, mph (kph) 8.4 (13.5) Maximum Reverse Speed, mph (kph) 6.5 (10.5) Drive Wheels 4WD 4x4 Steering Configuration Front steer Steering System Hydrostatic power Brakes Type Wet disc Front Tire Size 18x8.50-10 Rear Tire Size 26x12.00-12 Front Tread, in (mm) 36.6 (920) Rear Tread, in (mm) 32.2 (810) Hydraulic System Type Open center Implement Pump Type Gear Implement Pump Flow, gpm (Lpm) 6.2 (23.5) Hydraulic Pressure, Bar (psi) 128 (1850) Number of Standard Remote Valves 2/2 3-Point Hitch Category 1 Draft Sensing or Lift Control Position control Lift Capacity at 24" (610mm) ahead pin, lb (kg) 680 (310) Lift Capacity at pin, lb (kg) 1210 (550) Wheelbase, in (mm) 55.1 (1400) Length (Tractor only), in (mm) 99 (2515) Length (with Loader/Backhoe), in (mm) 174.8 (4440) Height (ROPS), in (mm) 86.2 (2190) Overall Width, in (mm) 45.1 (1145) Ground Clearance, in (mm) 8.4 (213) Turning Radius, in (mm) 90.5 (2300) Weight (Tractor only), lb (kg) 1570 (712) Weight (with Loader/Backhoe), lb (kg) 2660 (1210) Loader Model Kubota LA340S Maximum Lift Height to Pivot Pin, in (mm) 71 (1804) Clearance with Bucket Dumped, in (mm) 50.7 (1288) Reach at Maximum Lift Height, in (mm) 26.5 (677) Maximum Dump Angle, degrees 45 Digging Depth, in (mm) 4.8 (122) Maximum Rollback Angle, degrees 29 Lift Capacity to Full Height at Pivot Point, lbs (kg) 615 (280) Breakout Force at Bucket Pivot Point, lbs (kg) 1285 (585) Boom Cylinder Size (Bore/Stroke), in (mm) 1.57x12.8 (40x326) Bucket Cylinder Size (Bore/Stroke), in (mm) 2.56x7.7 (65x196) Bucket Width, in (mm) 48 (1220) Loader Weight, lbs (kg) 475 (215) Backhoe Model Kubota BT603 Maximum Digging Depth, in (mm) 74.4 (1890) 2-ft Flat Digging Depth, in (mm) 72.5 (1840) 8-ft Flat Digging Depth, in (mm) 41.7 (1060) Overall Reach from Swing Pivot, in (mm) 102.8 (2612) Loading Height, in (mm) 60.4 (1533) Loading Reach, in (mm) 40 (1015) Swing Arc, deg 140 Bucket Rotation, deg 180 Transport Height, in (mm) 67.7 (1720) Stabilizer Spread (Operating Position), in (mm) 73.3 (1860) Stabilizer Spread (Transport Position), in (mm) 51 (1295) Digging Force (Bucket Cylinder), lbs (kg) 1936 (880) Digging Force (Dipper Cylinder), lbs (kg) 1170 (530) Bucket Widths, in (mm) 12, 16 (305, 405) Backhoe Weight, lbs (kg) 608 (275) _____ Backhoe Loaders Technical Specifications Browse All Kubota or Loader Backhoe Models Contents: Wheelbase4.6 ft in (1400 mm)Ground Clearance0.7 ft in (213 mm)Front Tread Range36.62 in (930 mm)Rear Tread Range32.29 in (820 mm)Width45.08 in (1145 mm)Overall Length With 3-Point Hitch8.26 ft in (2.52 m)Height With Rops7.19 ft in (2190 mm) Pto Horsepower17.7 hpEngine MakeKubotaEngine ModelD902Engine TypeLiquid-cooled, 3-cylinder dieselGross Power23 hp (17.2 kw)Power Measured @3200 rpmDisplacement54.8 cu in (0.9 L) Fuel Capacity6.6 gal (25 L)Operating Weight 4wd1569.7 lb (712 kg)3 Point Hitch TypeOptional3 Point Hitch Lift Capacity @ 24 Inches683.5 lb (310 kg)Turning Radius7.6 ft in (2300 mm) Pto Option Available?Live independent PTO (with hydraulic clutch)Transmission TypeHST, High-Low gear shift (2 forward / reverse)Max Speed - Forward8.4 mph (13.5 km/h)Max Speed Reverse6.6 mph (10.5 km/h) Standard_Option_Front18×8.5–10Standard_Option_Rear26×12–12 Steering TypeHydraulic power steeringPump Flow Capacity6.2 gal/min (23.5 L/min)

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