



KUBOTA UNIVERSITY

Standard L Series

L2501 Detailed Specifications

Winter 2017



L2501 Specifications

SPECIFICATIONS			
L2501			
	Manual Transmission		HST
	2WD	4WD	4WD
ENGINE			
Make and Model	D1703-M-DI-E4		
Type	Liquid cooled, Meets Tier 4 emission regulations		
	3 cylinder 4 cycle multi valve diesel engine		
	Fuel injection system: Indirect injection; mechanical fuel injection		
	Naturally aspirated		
Engine hp, gross*	24.8 hp @ 2200 rpm		
Engine hp, net*	23.9 HP @ 2200 rpm		
Engine hp, PTO*	F/DT 20.5 hp @ 2200 rpm		HST 19.0 hp @ 2200 rpm
Maximum torque	70.2 lbf-ft (95.2 Nm)		
Bore and Stroke	3.40 x 3.60 in. (87 x 92.4 mm)		
Displacement	100.47 cu.in. (1.647 L)		
Air Cleaner Element	Dry Paper Single Element (Dual Optional)		
Cold Weather Start Aid	Glow Plugs		
Lubrication	Forced lubrication by trochoidal pump		
Governor	Mechanical control		
Injection pump	Indirect injection		
Fuel filter system	1-Spin on type fuel filter with water separator with manual drain cock		
Oil filter	Sheet net and replaceable treated paper element, spin on oil filter		
Exhaust	Underhood exhaust system, forward exhaust		
Engine Compartment	Fully enclosed and screened engine compartment with easy access hood		
Fuel Shutoff	Electric activated engine stop mechanism		
Throttle	Hand and foot operated throttle		
COOLING SYSTEM			
Radiator	Water with pressurized radiator		
Water pump	Centrifugal		
CAPACITIES			
Fuel Tank	10.0 gal.		
Cooling system	6.3 qt.		
Engine Oil	6.0 qt.		
Transmission	7.1 gal.	7.3 gal.	6.2 gal.
Front Axle - 4WD Bevel Gear Cases	N/A	6.9 qt.	6.9 qt.
AXLE LOAD RATINGS (Maximum)			
Front Axle	2865 lb. @ 41.3 in. tread on 2WD and 2865 lb. @ 43.1 in. tread on 4WD models		
Rear Axle	2865 lb. @ 43.8 in. tread on 2WD and 4WD models		
PTO			
Rear PTO	Shaft	1 3/8" SAE 6-Spline Shaft	
	F/DT	Transmission driven w/ overrunning clutch: 540 rpm @ 1910 engine rpm	
	HST	Live-continuous running w/ overrunning clutch: 540 rpm @ 2105 engine rpm	
Mid PTO	N/A		
PTO Shield	Flip-up type PTO shield		
*Manufacturers Estimate			



DRIVE TRAIN	
Front Axle	2WD: Tubular steel, non-adjustable tread spacing 4WD: Bevel gear front axle, non-adjustable tread spacing
4WD Drive Shaft	Fully Enclosed, Spline Shaft Power Transfer
Clutch	Dry type single plate - Main clutch 9.45"
DT Models	Manual transmission with synchronized shuttle
Speeds	8 Forward / 8 Reverse - 4 Main speeds with High and Low
Shuttle Lever	Left side inline shift lever for forward/reverse direction changes - Sychro-Shuttle
Main Shift Lever	Straddle mounted gear shift lever
Throttle	Hand and foot operated throttle
HST Models	Hydrostatic transmission
Speeds	3 Range (Low-Medium-High)
Control Type	Mechanical control
Foot Control	Single pedal, Toe/Heel or Toe/Toe forward/reverse operaton
Throttle	Hand operated throttle
Creep Speed	N/A
Cruise Control	Mechanical lever, infinite speed control (optional for HST only)
Steering	Hydrostatic power steering
Differential Lock	Rear differential lock standard
Final Drive Type	Helical gear, Flange hub
Axle Ratio 4WD	1.663
Brakes	Mechanical, wet disc type, pedals that can be locked together
HYDRAULIC SYSTEM	
Type	Open center tandem pump gear type
Hydraulic pump output	5.15 gpm
Power steering pump output	3.11 gpm
Total hydraulic flow	8.26 gpm
Number of remote valves	Optional up to 3 - Self canceling detent valve or float detent valve options
Hydraulic filter type	Spin-on hydraulic filter
THREE-POINT HITCH	
Category	Category I
Control Method	Position control
Draft Control	Optional
Lift Arms	Rigid lower link ends with telescoping stabilizers
Right link adjustment	Turn Buckle
Lift Capacity @ Lift Points	1918 lb.
24" Behind Lift Points	1389 lb.
DRAWBAR	
Tongue weight	Maximum tongue weight 1430 lb.
Type	Fixed (Swinging - optional)
ELECTRICAL	
System	Deluxe dash with analog tachometer, temperature gauge, fuel gauge and LCD hour and error message
Battery	12 volt battery 490 CCA
Alternator	40 Amps.
Engine Shutoff	Electric key shutoff
Cold temperature starting aid	Glow plugs (Block heater - optional)
Lights	Fender mounted 4-way flashers
	Two headlights
	Two tail lights with hazard flashers and turn signals
SAFETY EQUIPMENT	
ROPS	Factory certified two post foldable ROPS with retractable seat belt
Cab	N/A
Safety start switches	PTO / Shuttle (F/DT)/HST Range (HST) Neutral Switches
OPC	Operator presence control system, engine shutoff type
Parking brakes	Interlocking brake pedals, and depress pedal and latch with the parking brake lever
SMV sign	Slow moving vehicle sign
Paint	High visibility paint

Traveling Speeds

■ Manual Transmission Type

(At rated engine rpm)

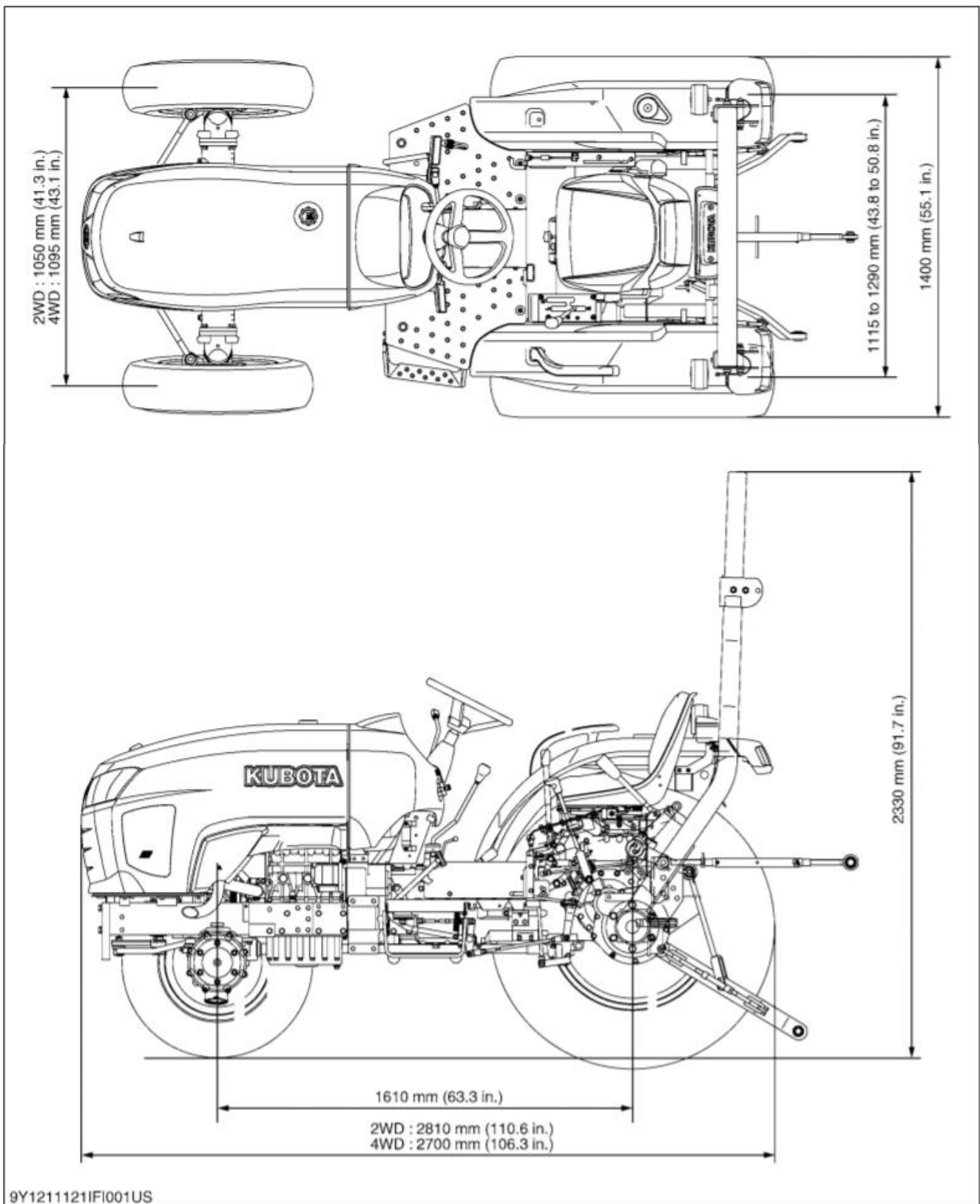
Model			L2501	
Tire size (Rear)			11.2-24	
Shuttle shift lever	Range gear shift lever	Main gear shift lever	km/h	mph
Forward	Low	1	1.4	0.9
		2	1.8	1.1
		3	2.6	1.8
		4	4.5	2.8
	High	1	5.3	3.3
		2	6.9	4.3
		3	10.0	6.2
		4	17.3	10.7
Reverse	Reverse	1	1.9	1.2
		2	2.5	1.8
		3	3.6	2.3
		4	6.2	3.9

■ HST Type

(At rated engine rpm)

Model		L2501	
Tire size (Rear)		11.2-24	
	Range gear shift lever	km/h	mph
Forward	L	5.7	3.5
	M	9.9	6.2
	H	18.5	11.5
Reverse	L	5.2	3.2
	M	8.9	5.5
	H	16.6	10.3

Dimensions



Legal Disclaimer

To the best of Kubota's knowledge, all information included in this presentation is either owned by Kubota or falls under the fair use or public domain guidelines of copyright law in the United States. Kubota strives for accuracy but cannot be held responsible for any errors in information featured in this presentation. Kubota notes that specifications and technical information is subject to change without notice and Kubota does not represent or warrant that the information in this presentation is completely accurate or current; however, Kubota used reasonable efforts to include accurate and up to date information in this presentation. Kubota disclaims all representations and warranties, whether express or implied, including, but not limited to, warranties of merchantability and fitness for a particular purpose. Kubota shall not be liable for any damages, whether compensatory, direct, indirect, incidental, special, or consequential, arising out of or in connection with the use of this presentation, or the information therein. If and to the extent any state does not permit the exclusion or limitation of liability for consequential or incidental damages, Kubota's liability, in such state, shall be limited to the fullest extent permitted by law.

The collection, arrangement and assembly of content in this presentation are the exclusive property of Kubota and are likewise protected by copyright and other intellectual property laws. Kubota asserts a claim of copyright for our compilations of presentation slides, their unique scope and style, our domains, our site design, HTML, database design, look and feel, and back-end code. Upon viewing any page under this presentation, you consent to this disclaimer. Copying, distributing, re-creating or any other unauthorized use of the content of this presentation without the express written consent of Kubota is strictly prohibited.