

Kubota



KUBOTA DIESEL TRACTOR

L

L3540/L4240/L5040/ L5240/L5740

Kubota's versatile, high-performance Grand L40-Series deluxe tractors are ideally suited to tackle a wide array of tasks.

New
HST PLUS



Whatever the task, the all-new Kubota Grand L40 gets the job done.

Introducing Kubota's Grand L40-Series, a new line of high-performance, efficient tractors that are comfortable, user-friendly, and boast a wide array of innovative features that make the job easier. From the all-new HST Plus for exceptional versatility and ease of use, to the new and powerful clean-running engine, the Grand L40-Series will dominate the landscape. Whether for a novice or a professional, Kubota offers choices—five models, ROPS or air-conditioned cab, three transmissions, different tyre sizes—so there is a Grand L40 tractor that is ideally suited to the task, whatever it might be.



**It's new
one.**

**New
HST PLUS**



**NEW Grand L
40 SERIES**

With three outstanding transmission types,



TRANSMISSION



HST Plus (Hydrostatic Transmission)

We've enhanced the power, performance, and durability of our Hydrostatic Transmission, and we've given it a name: HST Plus. Its automated control of both the HST pump and motor gives you optimal performance, regardless of the task, working conditions, or operator expertise. In addition, the new HST Plus includes a hydraulic servo mechanism that decreases the amount of pressure required to depress the HST pedal. This mechanism creates a more responsive pedal and delivers smoother handling and more control, whatever the load size. The system also helps to reduce vibration, shock, noise and fatigue to provide a gentler ride and improved performance.



GST Glide Shift Transmission

Kubota's exclusive GST features 12 forward and 8 reverse gears (inc. creep speeds) and clutch-less operation for maximum operator ease. Furthermore, its electronically controlled hydraulic system allows you to shift on the go with exceptional response.



FST Fully Synchronised Main and Shuttle Transmission

Kubota's economical FST delivers 16 forward and 16 reverse gears (inc. creep speeds) whilst on the move. The smooth simplicity of its operation, responsive directional changes with the shuttle lever, and its reliability make the FST ideally suited for tillage and front loader work.

the Grand L40 is the only choice.

Load Sensing Mode Selection



Mode Selection Button

With Kubota's advanced Load Sensing Mode Selection, control is yours with the touch of a button. With three modes to choose from, transmission operation can be adjusted to accommodate your immediate needs. Each consecutive press of the button will select the next mode, from Mode 1 to Mode 3, and back again*.

*When the engine is started, the tractor will remain in the same mode it was in during the previous engine shutoff.

Mode	Stall Guard	Auto H-DS
Mode 1	—	—
Mode 2	●	—
Mode 3	●	●

MODE 1 You
Cho

MODE 1

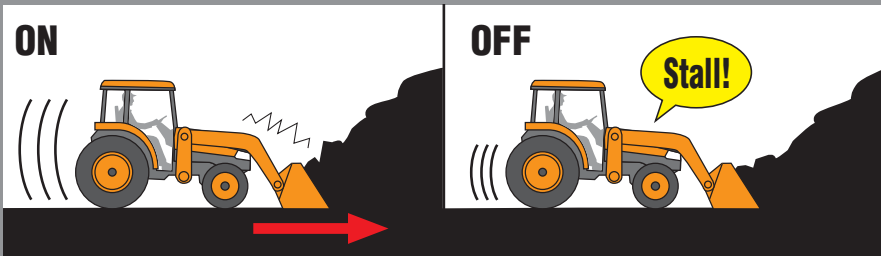
MANUAL MODE

This mode offers manual control of all transmission functions. It's perfect for those experienced operators who enjoy complete control of the tractor.

MODE 2

STALL GUARD

Thanks to the Grand L40 Stall Guard's load-sensing technology, you don't have to worry about engine stall. By pressing the Mode Selection button, Kubota's new Stall Guard function automatically regulates the burden on the engine and prevents it from stalling, without any need for sensitive pedal operations.



tion

our **MODE 3**
 choice

MODE 2



H-DS Hi

To maintain optimum working speed on the least demanding terrain, the H-DS is set to Hi.



Hi

H-DS Lo

When going uphill, the Auto H-DS automatically downshifts to Lo after sensing an increase in engine load.



Lo



Hi

H-DS Hi

When the crest of a hill has been reached and engine load goes back down, the Auto H-DS automatically upshifts in order to regain optimum working speed.



MODE 3

AUTO H-DS WITH STALL GUARD

Ideal for tasks involving major changes in engine burden, this mode activates both the Stall Guard and the Auto H-DS (Auto Hydro Dual Speed) to maximise the ease of operation, letting you work more effectively. The Auto H-DS enables automatic Hi/Lo shifting, and, combined with the Stall Guard, maintains the torque and allows the tractor to continue bearing heavy loads, drive on slopes and keep you working.

STALL
GUARD

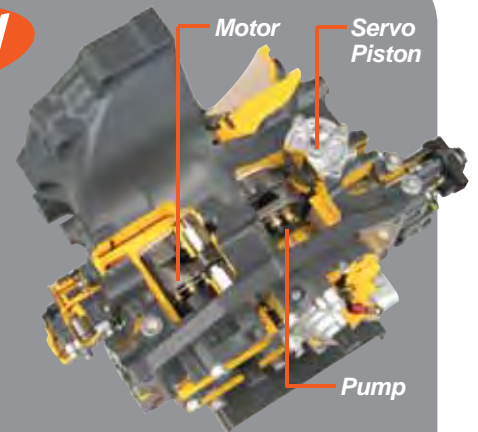
AUTO
H-DS

the Grand L40 is the only choice.

HST PLUS NEW

Kubota's advanced technology has made operating a tractor as simple as driving a car.

Kubota's new HST Plus gives optimal control of both the hydraulic pump and the drive motor—all with simple operation. Thanks to new functions that regulate the pump swash plate and can adjust the motor swash plate between two stages, you can get the most out of the HST Plus, whether you prefer manual or automatic control.



6 SPEED

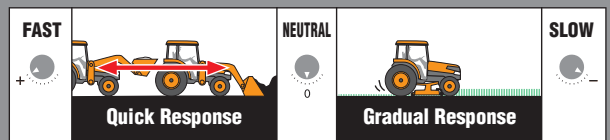
Hydro Dual Speed (H-DS) Hi-Lo Function

Already featuring three range shift speeds, Kubota's HST Plus includes a lever to shift between high and low speeds in each range, expanding your options to six total speeds. Once your preferred range shift speed is set, you can easily shift the H-DS between the high and low speeds while moving. With a simple touch of the Mode Selection button, you can activate the Auto H-DS for automatic Hi/Lo shifting.



HST Response Control

The HST response speed can be adjusted with a simple turn of a dial. If your task requires a quick response, you can turn the dial to the FAST setting. This setting is ideal for use during loader-related chores. If the job at hand needs a more gradual response, as used for turf work, set the dial to SLOW.



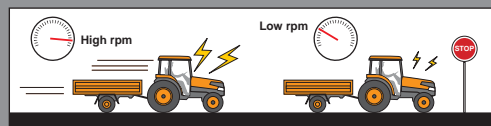
Load Sensing

The Grand L40 boasts a revolutionary Load Sensing feature that, if it detects a drop in engine RPM, will automatically regulate HST pump and motor activity. Simply press the Mode Selection button, choose your preferred mode, and feel the difference.



Auto Throttle Advance

The new Auto Throttle Advance feature links the HST pedal and the engine throttle, synchronising tractor speed and engine revolution. This greatly simplifies tractor operation and helps reduce fuel consumption. Now, all you need to do to control tractor speed and engine revolutions is depress the HST pedal.



← OPEN THE GATEFOLD FOR MORE

Control. Power. Simplicity. It's all here.

INTELLIPANEL™

Recognised for its superb reliability and usability, Kubota's state-of-the-art diagnostic IntelliPanel keeps you informed of the workings and goings-on of your Grand L40. With easy-to-read indicators, displays and sensor messages, this interactive system assures that you'll always know exactly how the tractor is functioning.

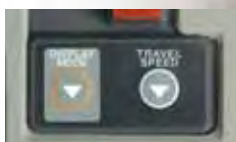


HST Response Control Dial and Mode Selection Button (only with HST Plus)



Column-type Combination Switch

This new combination switch allows you to operate the headlights and indicators with car-like ease.



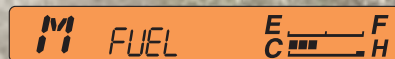
Menu Button

A simple touch of the Menu's down button lets you make changes to the Standard Indicator's digital information screen.

Standard Indicators



Warning Indicators



Scheduled Service Alert

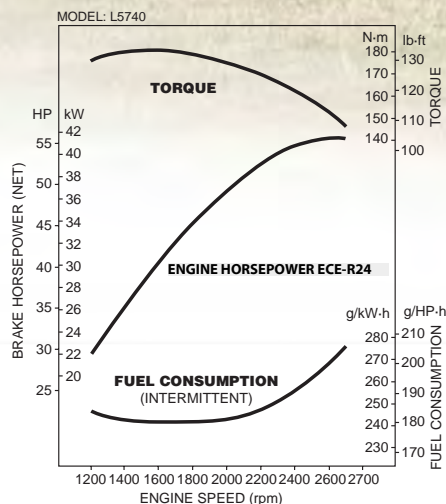


ENGINE

E-TVCS Diesel Engine

Kubota's Three Vortex Combustion System (E-TVCS) allows for increased airflow into the combustion chamber to produce greater power, efficiency and cleaner emissions. The diesel engine system found in the new Grand L40 uses a larger displacement engine, and generates less noise and vibration. It also meets or exceeds a variety of emissions regulations:

- Adheres to the EC Emission Test (97/68/EC)
- Meets Stage III A European emissions regulations for 37kW engines or above (L5040/L5240/L5740)
- Exceeds CARB (California Air Resources Board) certification for Utility, Lawn and Garden engines below 25HP, considered the world's most stringent regulation for diesel emissions.



PTO & HYDRAULIC

Live-independent PTO

The hydraulically activated Live-independent PTO clutch allows the PTO to be independently engaged/disengaged while the tractor is still in motion. In addition, a Neutral/Auto Shut-off system and protective flip-up shields are included for a full upgrade in total PTO safety and productivity.



Deluxe 3-Point Hitch

Kubota's powerful 3-point hitch allows the use of a wide range of implements. It comes with a standard quick hitch that is positioned on the tip of the lower link. This allows implements to be attached more easily.



MAINTENANCE

Full-open Bonnet

Routine maintenance doesn't get much easier. The Grand L40's all-metal, one-piece, full-open bonnet opens wide and makes it simple to check the engine, the radiator screen and air and oil cartridge-type filters. Its large exterior air intake area improves engine cooling performance, allowing the tractor to work better in high temperatures. In addition, Kubota has added all-new independent headlights, as well as a buzzer that indicates when the fuel tank is full, letting you refuel without worrying about spilling petrol.

Open-Floor Seat System

The Grand L40 features a removable seat panel that is positioned over the transmission to allow easier access and service of hydraulic valves and sensor-related components. Now, hydraulics maintenance has been simplified. It is just another way Kubota works to keep you in the driver's seat.



So comfortable, it won't feel like work.



COMFORT

Power Steering

Responsive hydrostatic power steering makes every job easier. Straight lines and tight turns alike are taken smoothly, while steering remains easy and worry-free when a heavy load is applied or the front loader is used.

Tilt Steering Wheel

The Grand L40's tilt steering wheel delivers an extra-wide tilt angle for maximum comfort. You simply need to step on the adjustment pedal, tilt the steering wheel to select your ideal position, and lock for the most comfortable operating position. Step on the pedal again to unlock the wheel for easy tractor mounting and dismounting.

Low Noise and Low Vibration

With less noise and vibration levels, you can keep working in comfort. This helps to eliminate operator fatigue, especially after long hours on the job.



INTEGRATED CAB



Integrated Cab

The Grand L40 will offer a level of comfort that you simply won't expect and can't deny. Some of the highlights include a standard air-conditioner, a comfortable deluxe seat and ample legroom so you can stretch your legs on the job.

Air Conditioning with Internal/ External Air Ventilation

The cab's deluxe air conditioner/heater can increase cooling, heating and air ventilation for greater climate control. You can switch between internal recirculation and external air ventilation: cool your cab quickly and thoroughly with the internal recirculation mode, and the air in the cab will stay fresh.



FRONT LOADER

Front Loaders

Designed to match the performance of the Grand L40 Series, our front loaders ensure precise operation and improved productivity. The front loaders feature outstanding lift capacity and lift height for an impressive performance with each load. Plus, loader lift and bucket dump cycle speeds are amazingly fast. The curved boom design matches the bonnet, and with the tubes enclosed, the Grand L40 has a sleek look.

Skid Steer Type Universal Quick Attach (Optional)

The front loader can also be used with optional Skid Steer type attachments, such as buckets, pallet forks and bale spears. Simple to attach and detach, these handy options do not require the use of tools, saving time and effort.

Quick Attach/Detach

This convenient system saves valuable time by letting you attach and detach loader mounting pins and hose couplers from the driver's seat, without tools.

Third Function Valve (Optional)

To broaden the scope and capabilities of your front loader applications, the Grand L40 is available with a third function valve.

Easy Operation

When the front loaders work hard, you don't have to. The easy motion of the single lever controls all front loader operations, even allowing simultaneous operation of the boom and bucket. If the loader is detached, the connecting valve remains mounted to the tractor for use with other implements for greater convenience and efficiency.

Front Loader Specifications

Model		LA514	LA714	LA854
Tractor		L3540	L4240	L5040/L5240/L5740
Maximum Lift Height (Pivot pin)	mm	2449	2596	2863
Clearance with Attachment Dump	mm	1987	1990	2255
Reach @ Maximum Height	mm	593	540	570
Maximum Dump Angle	deg.	41	45	45
Reach with Attachment on Ground	mm	1568	1764	1919
Maximum Rollback Angle	deg.	30	41	42
Square Bucket Width / Capacity	mm / m ³	1675 / 0.23	1675 / 0.28	1830 / 0.31
Lift Capacity (Pivot pin)	kg	613	860	1129
Breakout Force (pivot pin)	N	12611	15269	18662
Attachment Rollback Time	sec.	1.6	1.6	3.5
Attachment Dumping Time	sec.	1.3	1.0	2.3

Construction-grade Cylinders

The Grand L40's construction-grade cylinders are made to last. Their outstanding sealing performance makes them strong and exceptionally durable. In addition, the high-quality plating of the cylinder rods achieves superior rust protection.



Specifications

Model	L3540		L4240								
	DT (4WD)		DT (4WD)		HSTC (4WD, CAB)						
Engine	E-TVCS, indirect injection, vertical, liquid-cooled 4-cycle diesel		E-TVCS, indirect injection, vertical, liquid-cooled 4-cycle diesel				E-TVCS				
Type											
Engine power (ECE-R24)	kW (PS)	25.9 (35,2)	31.7 (43.1)								
Engine power (SAE Gross)	kW (PS)	27.6 (37.5)	32.8 (44.6)								
No. of cylinders		3 / Natural	4 / Natural								
Bore & stroke	mm	87 × 102.4	87 × 92.4								
Total displacement	cc	1826	2197								
Rated speed	rpm	2700	2700								
Battery		12V, RC: 133 min, CCA: 582A	12V, RC: 133 min, CCA: 582A								
Alternator		12V, 40A	12 V, 40 A		12 V, 55 A						
Fuel tank capacity	ℓ	44	50								
PTO											
Rear PTO											
Revolution		2 speeds: 540/750 rpm	2 speeds: 540/750 rpm		1 speed: 540 rpm						
Type		Independent	Independent								
Hydraulic											
Lift control type: Position		Standard	Standard								
Implement pump	ℓ/min.	31.5	37.0								
Power steering pump	ℓ/min.	18.6	18.6								
Total hydraulic flow	ℓ/min.	50.1	55.6								
Lift capacity at 24 in. behind lift point	kg	1200	1250								
at lower link end	kg	1700	1750								
Travelling System											
Transmission		FST 16F/16R	FST 16F/16R		HST Plus (3 Ranges)		FST				
Creep gear		Standard	Standard								
Steering		Hydrostatic power steering	Hydrostatic power steering								
Brake		Wet disc type	Wet disc type								
Clutch		Dry type single stage	Dry type single stage								
Standard tyre size ^{*2}	Farm (front / rear)	7-16 / 12.4-24		8-16 / 13.6-24							
	Turf (front / rear)	212/80-D15 / 355/80-D20						29 × 12.00-15 / 475/65-D20 (Option: 212/80-D15 / 355/80-D20)			
Travel speeds											
No. of speeds (at rated engine speed)		FST 8F/8R	Creep speed for FST 8F/8R		FST 8F/8R		Creep speed for FST 8F/8R	HSTPlus			
		Forward	Reverse	Forward	Reverse	Forward	Reverse	Vorwärts	Rückwärts		
First	Ninth	1.81	1.51	0.20	0.17	1.68	1.40	0.19	0.16	H-DSL L: 3,5	L: 3,1
Second	Tenth	2.56	2.13	0.29	0.24	2.38	1.98	0.27	0.22	M: 7,1	M: 6,4
Third	Eleventh	4.16	3.46	0.47	0.39	3.86	3.22	0.43	0.36	H: 17,9	H: 16,1
Fourth	Twelfth	6.14	5.11	0.69	0.57	5.71	4.76	0.64	0.53		
Fifth		9.13	7.61	1.02	0.85	8.49	7.07	0.95	0.79	H-DSH L: 5,8	L: 5,2
Sixth		12.91	10.76	1.45	1.21	12.01	10.01	1.35	1.12	M: 11,9	M: 10,7
Seventh		20.96	17.47	2.35	1.96	19.49	16.24	2.19	1.82	H: 29,9	H: 26,9
Eighth		30.96	25.80	3.48	2.90	28.78	23.99	3.23	2.69		
Dimensions											
Overall length (w/o 3P)	mm	3265		3390							
Overall width	mm	1430		1485							
Overall height	mm	2415		2265		2265					
Wheelbase	mm	1805		1895							
Min. ground clearance	mm	360		390							
Tread	Front	(Front tyre)	1150		1145						
		mm									
	Rear	(Rear tyre)	1110		1140						
		mm	1205		1210						
			1300		1310						
			1385		1335						
Min. turning radius w/brake	m	2.7		2.7							
Weight (with ROPS)	kg	1470		1700		1735					

The company reserves the right to change the above specifications without notice. This brochure is for descriptive purposes only.

Please contact your local Kubota dealer for warranty information.

For your safety, KUBOTA strongly recommends the use of a Rollover Protective Structure (ROPS) and seat belt in almost all applications.

^{*1}With Master Clutch.

^{*2}Kubota offers several tyre options.

^{*3}Speeds 3,5,7 and 9 of the GST are not included in the FST's 8 forward speeds.

L5040			L5240			L5740		
GSTC (4WD, CAB)			HSTC (4WD, CAB)			HSTC (4WD, CAB)		
, indirect injection, vertical, liquid-cooled 4-cycle diesel			E-TVCS, indirect injection, vertical, liquid-cooled 4-cycle diesel			E-TVCS, indirect injection, vertical, liquid-cooled 4-cycle diesel		
36.0 (48.9)			38.7 (52.6)			41.5 (58.6)		
38.9 (52.9)			40.3 (54.8)			44.0 (59.8)		
4 / Turbo charged			4 / Turbo charged EGR			4 / Turbo charged EGR		
87 x 102.4			87 x 102.4			87 x 102.4		
2434			2434			2434		
2600			2600			2700		
12V, RC: 133 min, CCA: 582A			12V, RC: 133 min, CCA: 582A			12V, RC: 133 min, CCA: 582A		
12 V, 55 A			12 V, 55 A			12V, 55A		
54			54			54		
1 speed: 540 rpm			1 speed: 540 rpm			1 speed: 540 rpm		
Independent			Independent* ¹			Independent* ¹		
Standard			Standard			Standard		
35.6			35.6			37.0		
17.9			17.9			18.6		
53.5			53.5			55.6		
1350			1350			1350		
1750			1750			1750		
GST 24F/16R			HST Plus (3 Ranges)			HST Plus (3 Ranges)		
Standard			—			—		
Hydrostatic power steering			Hydrostatic power steering			Hydrostatic power steering		
Wet disc type			Wet disc type			Wet disc type		
Dry type single stage			Dry type single stage			Dry type single stage		
9.5-16 / 13.6-28			9.5-16 / 13.6-28			9.5-16 / 13.6-28		
29 x 12.00-15 / 475/65-D20			29 x 12.00-15 / 475/65-D20			29 x 12.00-15 / 475/65-D20		
GST* ³			Creep speed for GST			HST Plus		
12F/8R			12F/8R			HST Plus		
Forward		Reverse	Forward		Reverse	Forward		Reverse
1.77	10.07	1.48	0.20	1.13	0.17	H-DSL	L: 3.4	L: 3.1
2.51	12.66	2.09	0.28	1.42	0.23	M: 7.0	M: 6.3	M: 6.6
3.24	20.54	3.39	0.36	2.31	0.38	H: 17.7	H: 15.9	H: 16.5
4.07	30.34	5.01	0.46	3.41	0.56			
4.78		7.45	0.54		0.84	H-DSH	L: 5.8	L: 5.2
6.02		10.55	0.68		1.18	M: 11.8	M: 10.6	M: 11.0
7.12		17.12	0.80		1.92	H: 29.5	H: 26.6	H: 27.6
8.95		25.28	1.00		2.84			
3460			3460			3460		
1470			1470			1470		
2375			2375			2375		
1915			1915			1915		
400			400			400		
1135			1135			1135		
1125			1125			1125		
1225			1225			1225		
1325			1325			1325		
3.2			3.2			3.2		
1885			1920			1920		



KUBOTA (DEUTSCHLAND) GmbH

Senefelder Straße 3-5, 63110 Rodgau/Nieder-Roden
Telefon 06106/873-0 Telefax 06106/873-197 E-mail info@kubota.de
www.kubota.de