

BID SPECIFICATIONS

M9540DHDC1 Utility Cab Tractor (Updated September 24, 2009)

4 WHEEL DRIVE

M9540DHDC1 = Hydraulic Shuttle, 24 speed with Cab

ENGINE

Make and Model	Kubota, V3800 (Multi-Valve design with two intake and two exhaust valves, internally balanced)
Type	Liquid Cooled C-DIS, Meets EPA Tier III Emission Regulations
	4 Cylinder, Diesel, Turbo-Charged w/Waste Gate valve, Direct Injected, EGR (Exhaust Gas Recirculation)
Engine hp, gross	98.7 hp (73.6 kW) @2600 rpm
Engine hp, net	95.0 hp (70.8 kW) @ 2600 rpm
Engine hp, PTO	84.0 hp (62.6 kW) @ 2600 rpm
Torque Rise	35% on the PTO
Maximum torque	233.0 ft lbs @ 1300 - 1500 rpm (32.22 kg-m)
Bore and Stroke	3.9 in x 4.7 in (100 mm x 120 mm) Linerless cylinder block
Displacement	230 cu in (3800 cc)
Fuel per hour	3.20 US gal @ 75% load, 4.27 US gal at maximum load (Per EPA Certified Test Data)
Fan	Direct drive
Air cleaner	Dry Dual Paper Element
Lubrication	Forced Lubrication
Governor	Ball type governor
Injection pump	Piston type fuel injection pump
Fuel filter	Replaceable cartridge type fuel filter
Oil filter	Spin on oil filter
Exhaust	Vertical exhaust with elbow
Throttle	Hand and foot operated throttle

COOLING SYSTEM

Radiator	Heavy duty pressurized radiator with recovery tank
Water pump	Positive water pump

CAPACITIES

Fuel Tank	110 liters (29.1 US gal)
Cooling System	9.0 liters
Engine Oil	10.7 liters
Transmission	60.0 liters
Front axle	9.5 liters

AXLE LOAD RATINGS (Maximum)

Front	5731 lbs (2600 kg)
Rear	8160 lbs (3700 kg)

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DRIVE TRAIN	
Clutch	Wet Clutch Multi-plate
Clutch material	Metallic
Size	4, 6.14" (156 mm) clutch discs
Shuttle	Hydraulic Shuttle
Transmission	6 Speed w/Hi-Low Range, Dual Speed Hi/Low Power Shift – Fully Synchronized main transmission
Speeds	24 Forward X 24 Reverse
Creep Speed (Optional)	Total 36 Forward X 36 Reverse Speeds
Range	Dual range, Hi/Low non-synchronized
Differential Lock	Mechanical, Standard on rear axle
Final drive type	Inboard Planetary
Brakes	Hydraulically operated, Multi-Plate Wet Discs (Continuous oil flow from hydraulic system)
	Automatic four wheel braking during transport from two wheel mode
PTO System	Electro-hydraulic engagement, Live-Hydraulic Independent PTO
	Sixty degree shaft rotation is obtainable for easy hookup, with the engine off
	540 rpm @ 2205 Eng. rpm, PTO shaft is 1 3/8" SAE 6 spline Optional 540/1000 rpm PTO's have 2 quick-change shafts, 1000 rpm @ 2389 engine rpm
PTO Clutch	Multi-Plate wet clutch pack, features self-modulating engagement and self-activating brake
FRONT AXLE	
4 WHEEL DRIVE	
Steering	Hydrostatic Power Steering
Type	55 Degree turning angle, Bevel Pinion type, Cast Iron case with Limited Slip Differential
4WD engagement	On-the-go Electro-Hydraulic engagement
Tread spacing	Adjustable
HYDRAULIC SYSTEM	
System Type	Gear Pumps / Open Center
Pump Output Total	23.1 gpm (87.4 l/min)
Available hydraulic flow	17 gpm @ 2884 psi (64.3 l/min)
Power steering	6.1 gpm (23.1 l/min)
Remote Valves	3 Max., 1st Valve is Standard SCD (Self Canceling Detent) 2nd and 3rd SCD or FD Float type
Set up sequence	1 Standard w/Self Canceling Detent, 2nd or 3rd optional SCD or FD (Float detent)
Set up sequence	The Flow Control option allows 3 remotes (The first SCD and a second or third SCD or FD)
	Flow Control Feature: A. Flow Control of one remote with simultaneous operation of 3 Point Hitch B. Simultaneous operation of the three remote valves
THREE POINT HITCH	
3-Point Hitch	Category II
Controls	Position with Draft and Mix Control
Draft type	Top link sensing
Right link adjustment	Turnbuckle type
Lift rods	Left & Right lifting rods with floating links
Lift Arms	Telescopic lower link ends, adjustable stabilizers for hitch arms.
Lift Capacity at lift points	8600 lbs (3900 kg)
24" Behind lift points	7275 lbs (3300 kg)
DRAWBAR	
Specifications	Max. Tongue weight 3300 lbs Dimension. 1.25 inch thick X 2.5 inch wide, takes 1.25" drawbar pin
Type / Positions	Swing type / 14" for the 540 rpm PTO speed , 16" for the optional 1000 rpm PTO speed

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ELECTRICAL

System	12 volt electrical system
Battery	12 volt battery 900 CCA
Alternator	80 Amp
Glow Plugs	Thermo Pre-Heat System

INSTRUMENTATION

Gauges	Fuel, Engine Temp., Engine Tachometer w/hour meter
Easy Checker	Low Engine oil pressure, Low fuel (less than 2.6 gal.)
	Battery Charge = Low Engine oil pressure and Low Fuel Indicator lights together
	PTO Indicator light. PTO engaged the Indicator light is on
	LCD Monitor for Travel speed, and PTO RPM

SAFETY EQUIPMENT AND LIGHTS

Cab Model	Certified ROPS Cab with retractable seat belt
Head Lights	2 Halogen Head Lights with High/Low Beam and 2 Halogen side lights
Work Lights	2 Halogen Front Standard, 2 Halogen rear work lights
Safety Flashers	2 Front and 2 Rear Safety flashers with Turn Signals
Switches	Safety start switches
Parking	Transmission Parking Lock
SMV	Slow moving vehicle sign, standard

DIMENSIONS

		4 WHEEL DRIVE
Height	Top of Cab	101.2 in (2570 mm)
Overall Length		148.0 in. (3760 mm)
Overall Width, minimum		78.0 in (1980 mm)
Tread Width/front		59.8 in – 63.8 in (1520 mm - 1620 mm)
Tread Width/rear		60.0 in – 76.0 in (1520 mm - 1920 mm)
Wheelbase		88.6 in (2250 mm)
Crop Clearance		18.3 in (465 mm)
Ground clearance		(Drawbar Bracket) 17.7 in (450 mm)
Turning Radius	with brake	(Engaged), 10.5 ft (3.2 m)
	without brake	(Engaged), 13.8 ft (4.2 m)
Weight	Cab Model Setup	6946 lbs (3150 kg)
	Cab Model Field Ready	9771 lbs (4432 kg)
		Field Ready includes: 10 x 100 lbs front weights and rear calcium @ 3 1/2 lbs (1824 lbs) Total: 2824 lbs

TOW RATING

		4 WHEEL DRIVE
Maximum		15,400 lbs (7000 kg) without trailer weight

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TIRES		4 WHEEL DRIVE
Standard	Front	12.4 - 24 R1
	Rear	18.4 - 30 R1
Optional	Front	See your Kubota Whole Goods Price List for more tire options and details.
	Rear	

TRAVELING SPEEDS for 24 speed-Transmission DHDC1 Model: (at Rated Engine RPM with Std. 18.4 - 30 tires)

	Main Gear	Travel Speed (Forward)	
	Shift Lever	Hi	Lo
Creep (If equipped) km/h (mph)	1	0.44 (0.28)	0.37 (0.23)
	2	0.57 (0.35)	0.48 (0.30)
	3	0.75 (0.47)	0.63 (0.39)
	4	0.96 (0.60)	0.80 (0.50)
	5	1.19 (0.74)	1.0 (0.62)
	6	1.43 (0.89)	1.2 (0.75)
Low km/h (mph)	1	2.8 (1.7)	2.4 (1.5)
	2	3.6 (2.2)	3.0 (1.9)
	3	4.7 (3.0)	4.0 (2.5)
	4	6.1 (3.8)	5.1 (3.2)
	5	7.5 (4.7)	6.3 (3.9)
	6	9.0 (5.6)	7.6 (4.7)
High km/h (mph)	1	11.0 (6.9)	9.3 (5.8)
	2	14.1 (8.8)	11.9 (7.4)
	3	18.6 (11.6)	15.7 (9.8)
	4	23.9 (14.9)	20.1 (12.5)
	5	29.6 (18.5)	24.9 (15.6)
	6	35.6 (22.2)	29.9 (18.7)

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CAB FEATURES

General:	Newly designed Ultra Grand Cab
	Arched type windshield roof beam increases vertical visibility to loader bucket
	Curved rear corner windows open for vents
	Deluxe Grammer, fully adjustable seat with mechanical suspension
	Air Ride seat suspension, optional
	Right-hand control console
	ISO-Mounted Flat Deck
	ROPS Certified
Cloth seat:	Fully adjustable w/reclining back with retractable seat belt and OPC (Operator Presence Control alarm monitor. (Air Ride suspension optional)
AC/Heat:	Dual Level / High Capacity A/C / Heater 14,672 BTU
Modes:	Electric controlled Heat / Defrost / Bi-Level / Vent positions and air flow recirculation
Other:	Tilt steering
	Beverage holder
	Left and right hand outside mirrors
	Sun visor
	Tinted glass
	Front and Rear wiper w/washer
	Horn
	Side and rear window defoggers
	12 Volt lighter, and 12 Volt, 30 Amp standard type three pin electrical connector for monitors
Option:	AM/FM Stereo cassette or CD Player with AM/FM stereo radio Both have a 7-Channel weather band (Radios are Optional)
Hard mount location:	TBA

NOTES

Specifications are with standard tires. The company reserves the right to change the specifications without notice.
Permanently installed English instructions, diagrams and warning labels (decals) are used to ensure efficient operation and servicing with maximum safety.

MANUALS

Parts and Service manuals are available through Kubota

WARRANTY

Basic: 24 months or 2000 hours

Extended Powertrain: 36 months or 2000 hours

Powertrain Purchasable: 60 months or 5000 hours with deductible per repair