

# DK·TEC

## Landtrac Tractor TB504C Data & Technical specifications

Forhandles af:

DK-TEC A/S

Ærøvej 7 - 5700 Nyborg

www.dk-tec.dk

info@dk-tec.dk | +45 66128222



Item		Unit	TB504C
Type		—	4×4 Wheeled
Rated traction power		kN	14
Maximum power of the PTO shaft		kW	31.2
Outline Size	Length (incl. rear suspension)	mm	4136
	Width	mm	1870
	Height	mm	2822 2657
Wheelbase		mm	1990
Tread (Standard tires)	Front wheel	mm	2WD: 1150、1450;4WD:1250、1324
	Front Wheel Adjustable style		2WD:Step Adjustment ;4WD:No Adjustment
	Rear wheel	mm	1200、1292、1307、1457、1492、1500或1200~1500
	Rear Wheel Adjustable style		Step Adjustment or Stepless Adjustment
Ground clearance	Min. ground clearance	mm	310
	Agricultural interval	mm	370
Min. steering radius	Single sided brake is used	m	4WD: 3.8±0.3
	Single sided brake is not used	m	4WD: 4.3±0.3
Structural mass	With Roll bar	kg	2320
	With Cab		2525
Minimum Mass in Use	With Roll bar	kg	6.0-16/14.9-24
			6.0-16/14.9-28
			31*9.5-16/43.5*13-20
			8.3-20/12.4-28
			6.5-16/12.4-28
	280/70R16,360/70R24		
	With Cab		6.0-16/14.9-24
			6.0-16/14.9-28
			31*9.5-16/43.5*13-20
			8.3-20/14.9-24
			8.3-20/12.4-28
			6.5-16/12.4-28
			280/70R16,360/70R24
2610			
Maximum Mass in Use	With Roll bar	kg	3490
With Cab	3490		

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Max.trailer mass	Unbraked		kg	1500	
	Independently braked			4000	
	Inertia-braked			4000	
noise level around the ears		With Roll bar		84.7	
		With Cab		84.8	
Exterior sound level	Moving	With Roll bar		81.1	
		With Cab		79.5	
	Stationary	With Roll bar		81.7	
		With Cab		80.1	
Vibration Index		Low weight		m/s	
		High weight		0.6	
Counterweight		Front counterweight		kg	
		Rear counterweight		kg	
Engine		Type		—	
		Type		—	A498BT1;QC498T50
		Number of cylinders		—	4
		Cylinder diameter x stroke		mm	98×105
		Displacement		L	3.168
		Compression ratio		—	18.5 (xinchai) 18 (quanchai)
		Nominal power		kW	36.8
		Nominal rotate speed		r/min	2400
		Max. torque/rotate speed		N·m/r/ min	≥186/1600±100
		Nominal fuel consumption rate on the operating condition		g/kW·h	≤245
		Nominal oil consumption rate on the operating condition		g/kW·h	≤1.5
		Lubrication mode		—	Compulsory and splash lubricating
		Startup mode		—	Electric starting
		Cooling		—	Compulsory water cooling
		Air filter mode		—	dry or wet
Transmission system		clutch		—	
		Gearbox		—	
				12+12 gear Synchronized shift	
		Rear axle	Central transmission		—
Differential			—		
		Spiral bevel gear pair 4 planet wheel, close			

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		Differential lock	—	Pole coupling
		Final transmission, rear	—	Planet gear
	Front drive axle	Transmission shaft	—	Central transmission shaft
		Central transmission, front	—	Bevel gear, close
		Front differential	—	2 planet bevel gears
		Final transmission, front	—	Spiral bevel gear
running gears and undercarriages	Frame assembly		—	Frameless
	Front suspension		—	Rigid suspension
	Tire pressure	Front wheel	kPa	2WD:167~186(Farml Operation)/225~245(Fransportation Operation); 4WD:118~138(Farml Operation)/167~176(Fransportation Operation)
		Rear wheel	kPa	118~138(Farml Operation)/167~176(Fransportation Operation)
	tires Specification	Front wheel (Standard config)	—	8.3-20
		Rear wheel (Standard config)	—	12.4-28
		Rear wheel(Optional config)		11-28(paddy field)



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Brake system	Service brake		—	Disc brake
	Parking brake		—	Mechanical arm brake
	Trailer brake control		—	Air pressure brake
Steering system	Mode		—	Front wheel hydraulic steering
	Steering gear		—	Cycloid rotary valvefull-Hydrostatic steering control units
Working device	Mode of hydraulic system		—	Open centre semi-partition
	hydraulic oil pump		—	Gear pump CB-F318L
	Distributor		—	Slide valve type
	Oil cylinder	Diameter x stroke	mm	95×120
		Type	—	Single-action
	Size of suspension point		mm	Rear, three points suspension: Cat.II Upper suspension point: Joint hole x width: φ25.2×51 Bottom suspension point: Joint hole x width: φ28.7×45
	Plough depth adjusting modes		—	Press adjustable, gear regulated, force position single control
	Max.lifting power(610mm behind the suspension point)		K/N	>9.1
	Opening pressure of the system safety valve		M/Pa	17.5~18.0
	Hydraulic pressure Output	Type	—	Simple Hydraulic Output or Multway Valve
		Amount	—	Simple Hydraulic Output 1 pair or 2 pairs
Specification		—	M22×1.5	
Function		—	Supply the hydraulic power of hydraulic pump to the implement, to drive the implement.	
Power take-off shaft	Form		—	Rear Semi-detached
	Specification		—	MI(φ35×6 teeth; or 38×8teeth) (GB1592-89)
	Rotate speed		r/min	540/760or540/1000or760/1000
	Max. gradient of driving shaft connecting with PTO		angle	15°
Traction and towing devices	Traction device	Type	—	Swing rod (Option)
		Ground height	mm	344
		Max. vertical load	drawbar	Kg
	clevis		Kg	600
	Towing device		—	Clevis (Option)
Cab		—	Option, simple cab or section shock-absorbing cab, with fan or warm air blower or air conditioning.	
Safety stand		—	Option, double column(non-cab)	
Pilot seat		—	Mechanical floating, PVC coating, height, forward/rearward adjustable	

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Electric appliance instrument system	Electric appliance system		—	12 volts, negative earth, twin-wire
	Generator	Type	—	Read engine specification
		Voltage	V	14
		Power	kW	0.75
	Regulator	Type	—	(Built-in regulator)
		Regulated voltage	V	14
	Startermotor	Type	—	Read engine specification
		Voltage	V	12
		Power	kW	3.7
	Battery	Type	—	6-QW-100
		Voltage	V	12
		Capacity	A·h	100
		Amount	—	1
	Lighting and signal device	Head lamp	—	12V, 55W, 2 Nos. (2 Nos. at left and right side respectively)
		Front direction indicator	—	12V, 21W, 2 Nos.
		Front position lamp	—	12V, 55W, 2 Nos.
		Rear combined lamps	—	Width LED lamp, 2 Nos./Steering lamp 21W, 2 Nos./braking LED lamp, 2 Nos./reflector (red) at left and right
		Rear working lamp	—	12V, 55W, 2 Nos. (safety stand)/12, 55W, 4 Nos. (cab)
		Trailer plug	—	Seven-hole socket with 1 plug
	Watch and warning device	Combination instrument	—	With tachometer, water temperature gauge, oil level gauge, hour meter, 1 Nos.
Warning device		—	1. Charging indication lamp, left and right steering indication lamp, position indication lamp, driving beam indication lamp; 2. Air brake failure warning lamp (air brake machine type optional), low oil pressure warning lamp, engine starting indication lamp, engine failure indication lamp; 3. Reflector; 4. Safety warning mark.	
Perfusion Volume capacity	Radiator		L	12
	Fuel tank		L	65
	Engine oil pan		L	Read engine specification
	Oil bath air cleaner		L	Fill oil to the regulated level
	Oil, Hydraulic pressure steering		L	0.8
	Oil, Brake		L	/
	Oil, Transmission system		L	2WD:20,4WD:27
	Front drive axle		L	4WD:7

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### Speed

Model	TB504C	
	12F+12R	
Gear position	Drive gears	Reverse gear
Low I	2.37	2.07
Low II	3.57	3.13
Low III	4.51	3.95
Low IV	7.55	6.62
Medium I	5.96	5.23
Medium II	9.00	7.89
Medium III	11.36	9.96
Medium IV	19.02	16.68
High I	12.05	10.56
High II	18.20	15.95
High III	22.98	20.14
High IV	38.46	33.71

#### Note:

1.The values in above table are the theoretic speed when engine speed is 2400 RPM and with standard rear tire 12.4-28;

2.If be with other option rear tires, based on the above-mentioned table the real values need multiplied by corresponding coefficient "a";

Option rear tire,paddy tire 11-28, "a" =1.04;

Option rear tire,standard 13.6-28, "a" =1.04;

Option rear tire,standard 14.9-28, "a" =1.083.

3.Every parameter in the technology specification table are the ones under the test of standard configure.

