

D 7500

07557

Model



Maximum output on belt

25 HP

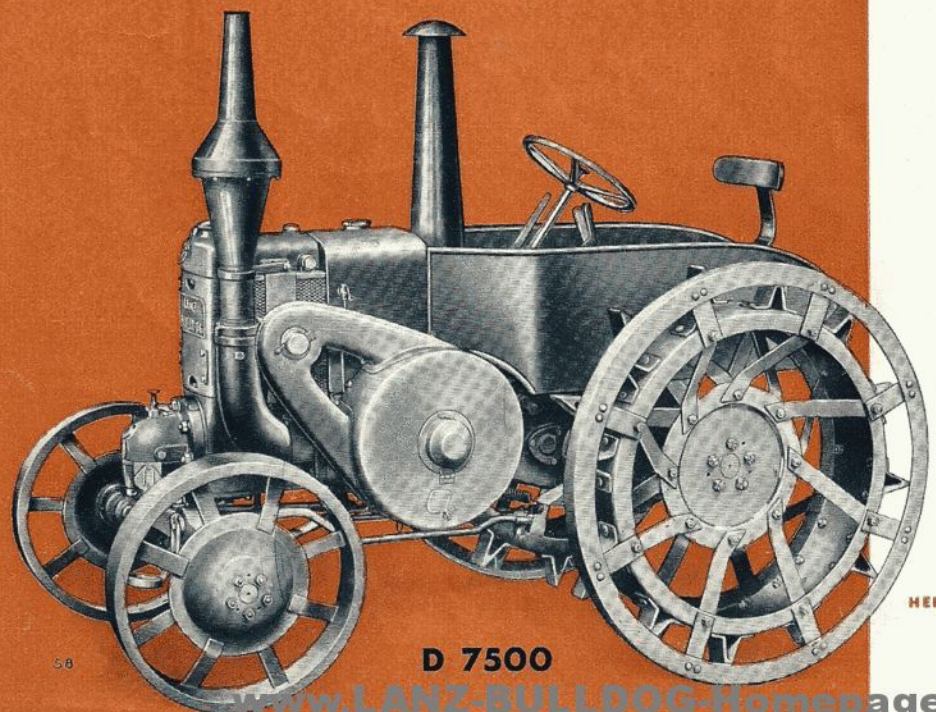
3 speeds forward and
1 reverse

LANZ

Agricultural Tractor

**Simple
sturdy design**

**Dependable
Economical**



D 7500

HEINRICH **LANZ** MANNHEIM
A.-G.

D 7500**Description of Tractor in Standard Design**

General — Own design and make. Block construction, consisting of cylinder, crankcase, gear case and rear axle housing.

Engine — Horizontal, single cylinder, two-stroke, semi-diesel type, without valves, carburettor or magneto. 300 to 850 R. P. M. (normal speed 850 R. P. M.)

Governor — mounted on crankshaft — permits a speed range from 300 to 850 R.P.M. according to fuel lever setting and load; it keeps the normal speed constant under all load conditions.

Lubrication of the engine by pressure through a combination of fresh and circulating oil. Fuel pump driving gear &c. by wick oilers. All other parts have high pressure greasing. Circulating oil is filtered by strainer in crankcase and by felts in oil container.

Cooling — Thermosyphon principle without pump but with fan and 5 easily exchangeable radiator units. The cooling effect can be reduced by adjustable shutters.

Air filter — Lanz high efficiency filter with oil soaked padding and air intake extension 26".

Exhaust — upright — with baffle plate.

Clutch — Friction clutch, operated as in motor cars.

Pulley — declutchable and situated on off-side end of crankshaft, 21 1/4" diameter, 5 7/8" face, 850 R. P. M.

Transmission — sliding spur gear transmission with 3 forward speeds and 1 reverse with roller bearings throughout — Ball type selector.

Brakes — Gear hand brake, clutch-pulley-brake.

Front axle unsprung with forked ends (Elliot type).

Front wheels — Steel — on tapered roller bearings with detachable skid rings in halves.

Rear wheels — Steel — each with 20 hardened detachable lugs 5 1/8" and road bands 53 1/2" diameter, 4" width.

Fenders to protect driver against rear wheels.

Driver's seat on coil spring with back rest.

Hitches — two upper one is for trailers-lower one for implements.

Regular equipment — Blow lamp, grease gun, tool box with requisite tools, a set of minor replacement parts.

Technical Data**Engine capacity on the belt —**

Continuous output	20 HP
Maximum output	25 HP
Drawbar power	12 HP

Drawbar pull . . . on the field in low gear 2200—2400 lbs

Fuel — Gasoil, diesel-oil, fuel-oil, lignite tar oil, pakura. Vegetable and fish oils and alcohol require special equipment.

Fuel consumption about 240 grammes per HP and hour

Fuel tank capacity about 11 imp. galls

Oil consumption — about 2,5 pints per working day.

Oil tank capacity 1 imp. gall.

Cooling water tank capacity 6 imp. galls.

Working Speeds

Gear	on steel farm wheels		on pneumatic farm tyres M. P. H.
	with lugs 3/4 sunk in M. P. H.	on road bands M. P. H.	
1st	2,1	2,6	2,2
2nd	2,9	3,5	2,9
3rd	4,0	4,9	3,5
Reverse	2,9	3,5	2,9

Performance

(on medium soil with steel farm wheels)

Class of work	Furrows	Acreege per 10 hours in acres	Fuel consumption imp. galls per acre
Ploughing 10-12" deep	2	5	1 1/2 - 2
7-10" deep	2	6-7	1 1/2 - 13/4
4-5" deep	4	11-14	1 - 1 1/4
Cultivating		15-22	3/8 - 5/8
Harrowing and rolling		25-31	3/8 - 5/8

Measurements and Weights

	on steel farm wheels	on pneumatic farm tyres		on steel farm wheels	on pneumatic farm tyres
Overall length	107 3/8"	107 3/8"	Rear wheels, actual diam. of steel wheels (lugs 3/4 sunk in)	43 3/4"	42 1/8"
" width	61 3/4"	63"	Rear wheels, outs. diam. of steel - of rubber wheels	41 3/4"	46"
" height	79 3/8"	80 7/8"	" " width of steel rims - of rubber tyres	12"	12"
Ground clearance	11 3/8"	10 1/2"	Ground clearance, of standard hitch (lugs 3/4 sunk in)		
Wheel base	66 1/2"	66 1/2"	For trailers	27"	25 3/8"
Track width between wheel centres front	43 3/4"	45 3/8"	For implements	17"	15 3/8"
Front wheels actual diameter rear	48 1/4"	51 1/8"	Of long drawbar	16 1/2"	14 7/8"
" " outs. diam. of steel - of rubber wheels	29 1/8"	31"	Turning radius	142"	142"
" " width of steel rims - of rubber tyres	4 7/8"	6 1/2"	Service weight in standard equipment	4850 lbs.	5070 lbs.

Special Equipment at additional cost

Front wheel extensions — 8" width.

Rear wheel extensions 6" width or 12" width spade lugs 5 1/8".

Row crop front wheel hubs permitting adjustment to various track widths.

Row crop rear wheels permitting adjustment of track widths for wheel centres between 41 1/8" and 54 1/8", 7 1/8" face each with spade lugs 5 1/8" or angle grouters 4".

Front wheels with pneumatic tyres — 6.00" — 20" on steel rims 20" x 5" for field and road haulage work.

Rear wheels with single pneumatic tyres — 11.25" — 24" on drop centre rims 24" x 8" with heavy hubs for field and road haulage work.

Wheel scrapers for self-cleaning of rear wheels can be fitted in case of order of a long drawbar with platform.

Long drawbar with low platform for hitching up implements sideways and for the fitting of wheel scrapers.

Canopy with side and rear curtains.

Power take-off — on off-side of gear case, entirely dust-proof running on tapered roller bearings transmits full engine power — clutch operated — independent from gears.