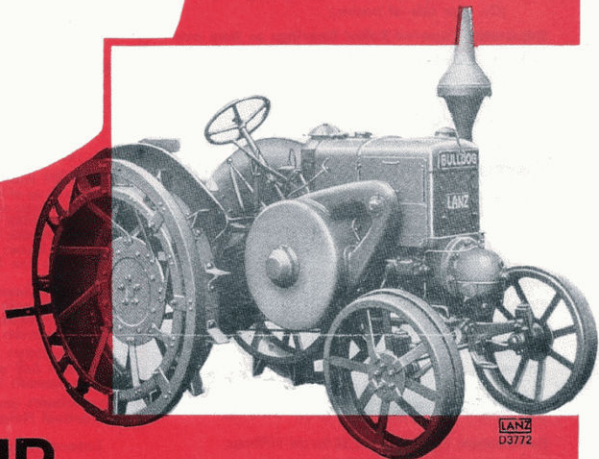


# LANZ



## 22/38 HP Crude Oil Farm Tractor

rugged and powerful,  
capable of heavy work,  
excellent on hilly land.

The characteristics, appreciated by every tractor owner:

economic operation,  
dependable performance  
simple design and control

are incorporated in this scientifically designed tractor, that will easily dispose of all power farming jobs, even under most exacting conditions.



## Features.

The **Two-Stage, Throttle Controlled Governor** allows the engine to run at 2 different Engine Speeds — 540 or 630 R.P.M.—, giving the tractor **6 Working Speeds**, a wonderful innovation. The 6 Working Speeds, ranging from approximately 2 to 4 1/4 miles per hour, make this tractor most adaptable for every farm job.

**No Bevel Gears** in Power Transmission.

**Easily Handled in Confined Spaces.**

**Big Rear Wheels** increase drawbar pull, decrease ground pressure.

**A Very Roomy Platform** with a convenient and fully adjustable drawbar.

7 1/2" Wide **Belt Pulley** of 27" Ø is directly coupled to crankshaft and transmits full engine power. (On rear side of tractor.)

**Adjustable Tapered Roller Bearings** on front axle.

**Fully Adjustable, Comfortable Seat** gives the operator a perfect control and a clear view.

**Fuels:** Low grade crude or fuel oils, vegetable and animal oils.

## Performance on Medium Soil.

	Number of bottoms	Acreage per 10 hours in acres	Fuel Consumption imp. gall. per acre
Ploughing 10—12" deep	2—3	8—10	2—2 3/4
Ploughing 7—10" deep	3—4	10—14	1 1/2—2 1/4
Ploughing 4—5" deep	6—10	22—28	3/4—1
Cultivating . . . . .	—	up to 37	1/2—3/8
Harrowing, packing . .	—	44—62	1/4—1/2

**Drawbar Pull on the Field** 2900—3100 lbs.

**Consumption:** Fuel approx. 0.55 lbs per HP/hour.

Lubricating Oil: appr. 4.4 lbs per 10 hours working day.

**Extras:** Detachable angle grouters, spade lugs, cleats, corrugated strakes, rim and cleat extensions, row crop, peat, and rolling wheels. Power take-off, Winch, Bosch electric lighting and starting equipment, tarpaulin canopy, cab, etc.

## Specification.

**Rating:** 22 HP at the drawbar; 38 HP on the belt.

**Engine:** Horizontal, valveless single cylinder, two cycle, hot bulb engine. Fusible safety plug in cylinder head for protection against overheating. No carburettor, magneto, valves, camshaft or other intricate working parts.

**Stroke:** 260 mm — 10.24 inches.

**Bore:** 225 mm — 8.86 inches.

**Displacement:** 631 cubic inches.

**Speed:** 540 or 630 R.P.M.

**Governor:** direct acting, 2-stage, flyweight governor on crankshaft, allowing the engine to run at 540 or 640 R.P.M.

**Lubrication:** BOSCH positive force feed lubrication of engine. Pump returns used oil from crankcase to container after cleaning. Entire transmission enclosed in one housing and running in oil bath. Chassis lubricated by high pressure grease gun.

**Oil Cleaner:** Gauze strainer and cloth filter, System LANZ.

**Air Cleaner:** Oil soaked fibre padding, System LANZ.

**Cooling:** Thermosyphon WITHOUT pump; double radiator of each 4 interchangeable sections. The hot air is blown to the side and not back onto the driver.

### Gear Box:

**Clutch:** 3-shoe friction automatic safety clutch.

**Gear Change:** Selector ball type.

**Working Speeds:** with lugs sunk in 3/4 at an engine speed of:

540 R.P.M.: 2—2.7—3.5 } forw. 2.1 } reverse  
630 R.P.M.: 2.3—3.1—4.1 } 2.5 } M.P.H.

**Chassis:** Frameless, 3 point suspended tractor body is built up of the cylinder-, crank-, gear and rear axle housings, securely bolted together as one unit.

**Track Width Front:** 48 1/2" between centres.

**Track Width Rear:** 54" between centres.

**Wheel Base:** 77 1/4".

**Brakes:** one lever and one pedal operated gear brake.

**Ground Clearance:** 12".

**Rear Wheels:** 49 1/4" Ø, 12" wide.

**Front Wheels:** 31 3/8" Ø, 6" wide.

**Road Bands:** 61" Ø, 3", 4" or 6" wide.

**Belt Pulley:** 27" Ø, 7 1/2" wide.

**Speed:** 540 or 630 R.P.M.

**Belt Speed:** 3785 or 4415 feet per Min.

**Drawbar:** Shock absorbing spring hitch.

**Vertical Height:** 12 1/4"—14 1/4"—16" for implements  
21 3/4" for trailers.

**Lateral adjustment:** 30 1/2".

**Turning Radius:** 15'.

**Tank capacity:**

**Fuel:** 13 1/4 imp. gallons.

**Oil:** 1 7/8 imp. gallons.

**Water:** 11 imp. gallons.

**Weight with Water and Fuel:** 6900 lbs.

**Overall Width:** 5' 5 3/4", **Length:** 11' 1/4".

HEINRICH LANZ MANNHEIM  
AKTIENGESELLSCHAFT

