



**CHAMBERLAIN**



**Champion 9**  
**62 HP DIESEL TRACTOR**

MADE IN AUSTRALIA

# SPECIFICATIONS

**ENGINE:** Perkins Diesel 4-2700, cold starting, four cylinder vertical bore 4.35", stroke 4.75", compression ratio 16:1  
**FUEL:** Diesellate. Fuel tank capacity 16.25 Imperial gallons.

**Filtration:** Fuel filter is micronic paper element type and provides a secondary filter following a pump and strainer in the fuel tank and a glass bowl water trap.

**COOLING:** Water circulation by centrifugal pump. Temperature gauge on instrument panel. Thermostat temperature control.

**GOVERNOR:** Mechanical. Controlled by either direct coupled foot pedal or positive location hand lever. Foot control can be used to over ride the hand lever setting.

**COLD STARTING:** A Thermo Start unit burrs fuel in the induction manifold to assist cold starting. It is operated by a key switch on the instrument panel.

**ELECTRICAL:** 12 volt starting and lighting system with twin filament headlights, parking lamps, fully revolving rear light incorporating a red tail lamp and an implement flood lamp.

**CLUTCH:** 14" diameter, single plate, fixed with a ball bearing thrust rate, and operated by a foot pedal. A clutch brake is provided to assist gear changing.

**TRANSMISSION:** A three speed and reverse sliding spur gearbox is mounted on the rear of the engine and coupled by a universally jointed shaft to a high, intermediate and low range gearbox mounted on the front of the differential. The two gearboxes are fitted with separate change levers.

**DIFFERENTIAL:** Bevel gear type with spiral bevel crown wheel and pinion. Pinion and differential shaft bearings are taper roller.

**FINAL DRIVES:** Two extensions carry the drive from the differential to the final drives which are located compactly within the rear wheels. This arrangement results in the exceptional ground clearance of the tractor and permits direct braking on the rear axles.

**BRAKES:** Rear wheels are fitted with cam operated internal expanding brakes which may be (1) controlled independently by foot pedals, (2) controlled as a foot brake by coupling the foot pedals, or (3) latched by a hand control to form a parking brake.

**SUSPENSION:** Semi-elliptical transverse spring is provided on the front axle.

**STEERING:** Heavy duty re-circulating ball type steering gear connected to the front wheels by adjustable draglink and track rods fitted with lubricated ball joints.

**"LIVE" POWER TAKE-OFF:** Driven independently of the main clutch having a separate 8" diameter, twin plate clutch operated by an over-centering lever behind the tractor seat. The splined shaft is to the A.S.A.E. standard of 1.375" Ø. Shaft speed is 540 r.p.m. (rotating clockwise viewed from rear) at an engine speed of 1,600 r.p.m. Height above ground—39.25".

**ROLLER DRAWBAR:** Mounted on lubricated roller and machined track. Height adjustment from ground level to centre of fork 13" - 26".

**LENGTH:** 152". **WIDTH:** 85". **HEIGHT (Steering Wheel):** 69".

**SHIPPING:**

Length	Width	Height	Cubic Feet	Weight
145"	85"	69"	492	6,973 lbs.

**CLEARANCE:** 16.75". **WHEEL BASE:** 95".

**WHEEL TRACK:** front 54.75". Rear 66.5".

**CLEARANCE TURNING CIRCLE:** Without brakes 31'.

**TYRE EQUIPMENT:** Front 7.50 x 18 x 6 ply.

Rear 18.4 x 38 x 6 ply.

**NETT B.H.P.:** 62 at 2000 r.p.m.

**NETT TORQUE:** 189 lbs./ft. at 1000 r.p.m.

**P.T.O. H.P.:** 55 at 2000 r.p.m.

**DRAWBAR H.P.:** 48 at 2000 r.p.m. (4.4 m.p.h.) est.

**DRAWBAR PULL:** 6,600 lbs. at 2.5 m.p.h.

**GEAR SPEEDS:** Forward: 2.5, 3.1, 4.4, 5.9, 6.6, 8.1, 10.5, 17.9, 27.0, at 2000 r.p.m.

2.8, 2.5, 3.5, 4.2, 5.3, 6.5, 8.4, 14.3, 22.0, at 1600 r.p.m.

Reverse: 1.7, 2.1, 6.8, at 1000 r.p.m.

**WEIGHT:** Tractor with fuel and operator 7,285 lbs.

Water Ballast 1,200 lbs.

Cast Ballast 880 lbs.

Operating Weight 9,365 lbs.

## STANDARD EQUIPMENT

Electric Lights and Starting, Live P.T.O., Tractometer, Roller Drawbar, Full Width Bench Seat with deep foam rubber cushion, Tool Box and Kit, Spark Arrester.

## OPTIONAL EXTRA EQUIPMENT

**BELT PULLEY:** Mounted on the side of the P.T.O. unit, and controlled by P.T.O. clutch. Pulley—10.25" diameter x 6.25" wide. Belt speed—3,100 feet per minute at 1,600 engine r.p.m.

**"LIVE" HYDRAULIC UNIT:** Vane pump, 8.16 g.p.m. at 2,000 engine r.p.m., Relief Valve 1,750 p.s.i., Direct drive from engine, 2.5 gallon reservoir, three position control valve, double/single acting and single acting with float, quick release couplings at rear of tractor.

**THREE POINT LINKAGE:** B.S. Category 2. Operated by 2.75" x 12" external cylinder. Maximum lift at hitch point 3,300 lbs.

**WHEEL WEIGHTS:** Four ring type weights each weighing 110 lbs. may be fitted to each rear wheel.

**BUMPER:** A pressed steel channel bumper with curved spring steel mounting brackets.

**CAB:** All steel weatherproof cab with safety glass windscreen, front wheel observation window, Doors and side-curtains. Canopy hood is of heavy duck material.

The exclusive features illustrated in this pamphlet are only a few of the hundred reasons why it pays to own a Chamberlain Champion 90 . . . ask your local Dealer or write for further details to Chamberlain Industries. Ask too, about the Chamberlain disc plows, scarifiers, chisel plows and disc seeders . . . and the attractive terms available on all Chamberlain tractors and implements.

As the policy of this company is one of continual development and improvement, these specifications are subject to change without notice.

## CHAMBERLAIN INDUSTRIES PTY. LTD.

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