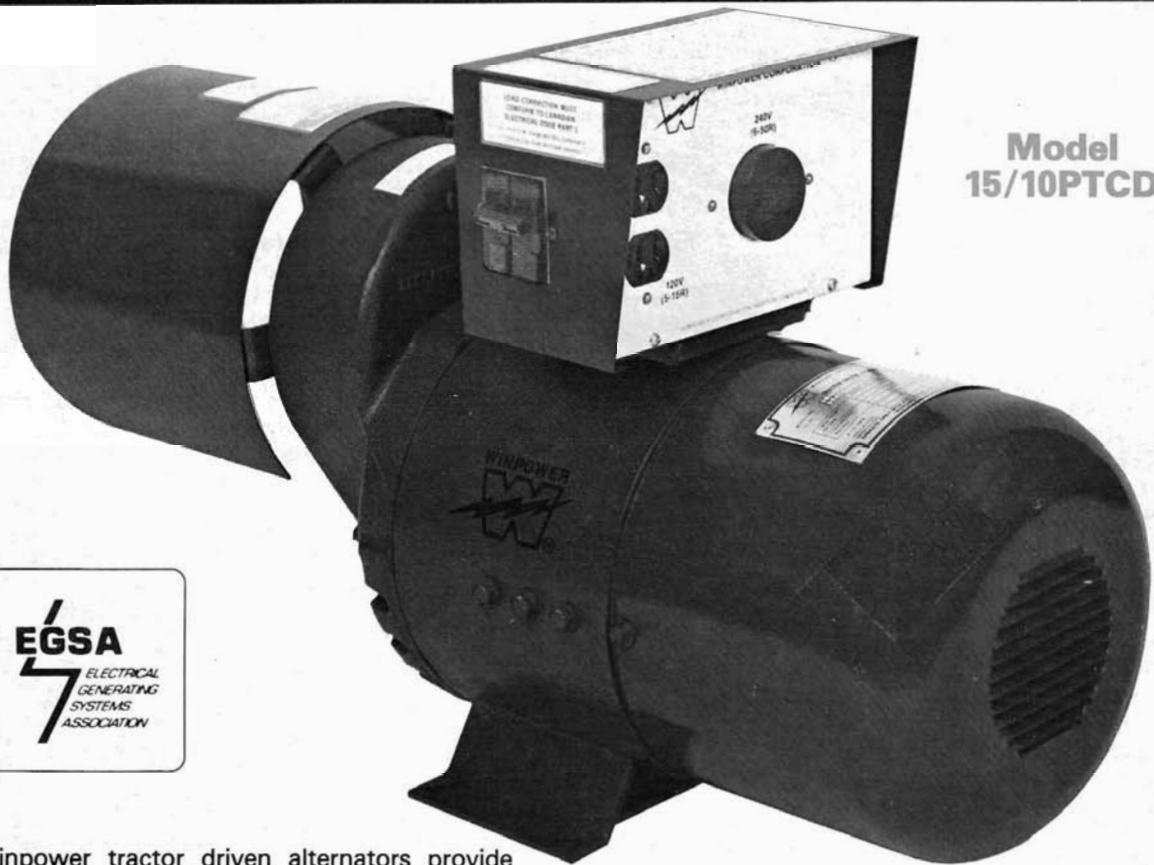


# 15,000-WATT/AC 3600 rpm TRACTOR DRIVEN ALTERNATORS

Generating Quality



Since 1925



**Model  
15/10PTCD**



Winpower tractor driven alternators provide electrical power for a variety of farm or remote location electrical systems and equipment.

15/10 PT models will start and run 7.5 hp NEMA Code G combination motors via 540 rpm PTO Shaft. The self regulation feature automatically adjusts voltage to match the load. Unit will maintain a starting load of 15,000 watts for 5 minutes. It has 120 volt receptacles for hand tools, lights, small motors . . . with a 50 amp, 240 volt welder receptacle. Manual reset circuit breakers are on all outlet circuits. Other features include shielded input and PTO shafts, external grounding lug, and volt meter that is readable from the tractor seat.

## Winpower Tractor Driven Alternators ideal for powering . . .

- feed systems ■ water systems ■ milking machines ■ milk cooling equipment ■ heating, ventilating systems for confinement buildings
- household appliances ■ welding equipment
- grain elevators ■ crop dryers ■ other electrically powered equipment and systems

**540  
R.P.M.  
PTO**

Model 60 Cycle	WATTS		VOLTS	AMPS		PHASE	WIRE	APPROX. WT.	
	Max.	Cont.		Max.	Cont.			Net	Carton
15/10PTCD	15,000	10,000	120/240	62.5	41.7	1	3	187	200

# 15,000-WATT TRACTOR DRIVEN ALTERNATORS

## SPECIFICATIONS & FEATURES

**Output** — 15,000 watts maximum, 10,000 watts continuous. Unit will carry 15,000 watt load for 5 minutes.

**Type** — AC, 2-pole, revolving armature, statically excited and regulated. Drip proof.

**Power Factor** — Single phase units, 1.0.

**Voltage Regulation** — Within  $\pm 5\%$  from no load to 100% of rated capacity (after temperature stabilization).

**Voltage indicator** — "Safe Range" type, meter readable from tractor seat, assures proper monitoring of output.

**Excitation** — Statically excited and regulated using solid state electronics.

**Temperature Rise** — Designed for long life. Meets National Electrical Manufacturers Association (NEMA) MG1-22.40 definition at continuous rated load. Standby rating within MG1-22.84.

**Armature** — Laminated silicon steel, pressed and keyed onto steel shaft; statically and dynamically balanced. Double impregnated with insulating varnish and twice baked.

**Stator** — Laminated magnetic pole shoes, rigidly mounted in low carbon steel field frame. Machine wound, formed and fully taped field coils saturated with insulating varnish and baked.

**Insulation** — Best available. Class F as defined by NEMA MG1-1.65. Insulation varnish conforms to MIL-I-24092B.

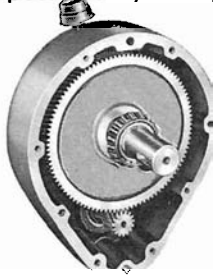
**Tractor Horsepower Required** — For satisfactory operation, tractor should provide at least 2 hp for each 1000 watts of load. Maximum performance of this alternator requires at least 20 hp for a 10,000-watt load and 30 hp for a full starting load of 15,000 watts.

**Collector Ring Brushes** — Metal graphite with constant-pressure, self-adjusting springs.

**Bearings** — Double-sealed, lifetime lubricated, heavy-duty precision ball bearings.

**Cooling** — Centrifugal blower draws cooling air through alternator for cooler running and longer life.

**PTO Drive Mechanism** — Alternator is powered by 540 rpm via heavy-duty



time tested long life machine gear drive. 540 to 3600 R.P.M. Has tapered roller bearings. Quieter operation.

**Mounting Holes** — Four holes, for securing unit to trailer or platform. Will accept 3/8" dia. bolts. Mounting dimension is 4 1/2" length and 10 1/2" width between mounting holes.

### LIFTING EYE



Convenient lift for mounting on trailer for portable use.

### "SAFE RANGE" VOLTAGE INDICATOR



Readable from tractor seat, assures proper output.

**120/240 volt** — Welder receptacle, welder plug and auxiliary power application. 50-amp individual circuit breaker protection.

**120 volt** — Duplex plug for power tools and other appliance. Fused 15 ampere grounded duplex receptacle protection.

**Grounding Lug** — Convenient external location for fast hookup.

## Accessories

**Double-Throw Transfer Switch** — Permits user to disconnect alternator to load line.\*\* Weather-resistant switches available in 2-and 3-pole, 100 to 400-amperes capacities.

\*\* CAUTION: Normal and emergency power sources must NEVER be connected to load line simultaneously. The amperage rating of the transfer switch should equal the total regular electrical service.

**Shielded Universal Shaft** — Provides maximum protection for operator. Splined universal joint on tractor end of shaft has quick-disconnect feature, fits 1-3/8" standard 540 rpm tractor PTO. Universal joint on alternator end fits 1 1/4" dia. stub shaft with key. Shaft telescopes from 42" to 58" (approx.). Order No. SA113 540 rpm PTO Shaft.

**Transport** — Two-wheel trailer designed and constructed for rugged off-highway use. Order No. TT-10. Shipping weight: 65 lbs.

### Limited Five-year Warranty

— Five-year warranty covers entire alternator against defects in material and workmanship under normal use and service. After 1 year, factory repair and reconditioning service is available at cost of labor within 5 years of purchase date. Detailed warranty certificate enclosed with each alternator; sample copy available upon request.

Specifications are subject to change without notice.

WINPOWER CORPORATION / NEWTON, IOWA 50208 / 515-792-1301

CABLE: WINPOWER • TELEX II: 910-520-1557

