

25,000-WATT/AC 1800 rpm TRACTOR DRIVEN ALTERNATORS



Models:
25/15PTCD
25/15PTCM
25/15PTJD
25/15PTJM



Winpower tractor driven alternators provide electrical power for a variety of farm or remote location electrical systems and equipment. 25/15 PT models will start and run 15 hp NEMA Code G combination motors via 540 or 1000 rpm PTO. The self regulation feature automatically adjusts voltage to match the load. Unit will maintain a starting load of 25,000 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

Model Selector Guide

MODEL	PTO rpm	WATTS Max./Cont.		VOLTS	AMPS Max./Cont.		PHASE	POWER FACTOR	WIRE	APPROX. WT. Carton/Net	
25/15 PTC D	540	25,000	15,000	120/240	104	62.5	1	1.0	3	360	330
25/15 PTC M	1000	25,000	15,000	120/240	104	62.5	1	1.0	3	360	330
25/15 PTJ D	540	25,000	15,000	120/240	75	45	3-Delta	0.8	4	360	330
					104	62.5	1	1.0	3		
25/15 PTJ M	1000	25,000	15,000	120/240	75	45	3-Delta	0.8	4	360	330
					104	62.5	1	1.0	3		

These models feature the Center Tap Delta system to provide single and 3-phase current separately or simultaneously. Ideal for split entrances or farms going to 3-phase.

25,000-WATT TRACTOR DRIVEN ALTERNATORS

SPECIFICATIONS & FEATURES

Output — 25,000 watts maximum, 15,000 watts continuous. Unit will carry 25,000 watt load for 5 minutes.

Type — AC, 4-pole, revolving armature, statically excited and regulated. Drip proof.

Power Factor — Single phase units, 1.0; 3-phase units, 0.8.

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 30 hp for a 15,000 -watt load and 50 hp for a full starting load of 25,000 watts.

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

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

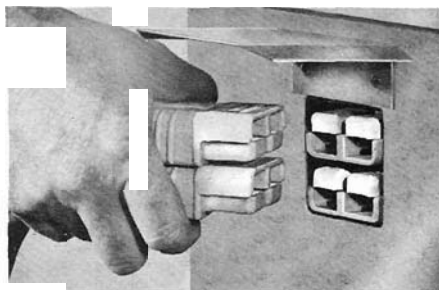
Cooling — Centrifugal blower draws cooling air through alternator for cooler running and longer life.

PTO Drive Mechanism — Alternator is powered by 540 rpm (or 1000 rpm tractor PTO) via heavy-duty, 2 row roller chains ... time tested for long life. Tapered roller bearings and 1 $\frac{3}{8}$ " six-spline stub shaft with protective shield. Contributes to quieter operation, reduces lubrication problems.



Control Box — Drip proof, mounted-on unit includes circuit breakers for overload protection. "Safe range" voltage meter, 15 ampere grounded duplex receptacle, 50 ampere range receptacle, full load rated receptacle. External grounding lug.

Mounting Holes — Four holes, for securing unit to trailer or platform. Will accept $\frac{5}{8}$ " dia. bolts. Mounting dimension is 6 $\frac{7}{8}$ " length and 11" width between mounting holes.



Receptacles & Circuit Breakers —

240 volt — Full load, positive locking, easy plug-in receptacle and plug. Wires attach permanently to plug for easy disconnect and accident-free use. 70-amp* individual circuit breaker protection. (Wires not incl.)

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

120 volt — Duplex plug for power tools and other appliances. 15-amp individual circuit breaker protection.

Grounding Lug — Convenient external location for fast hookup.

*70-70-50 Ampere J-Voltage Only

Accessories

Double-Throw Transfer Switch — Permits user to disconnect normal power source and connect alternator to load lines.** 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 $\frac{3}{8}$ " standard 540 rpm tractor PTO. Universal joint on alternator end also fits 1 $\frac{3}{8}$ " standard splined shaft. Shaft telescopes from 42" to 58" (approx.). Order No. SA-111 for 540 rpm PTO, SA-117 for 1000 rpm.

Transport — Two-wheel trailer designed and constructed for rugged off-highway use. Order No. TDM/73. Shipping weight: 134 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

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