

# HEAVY DUTY GENERATORS

**WINPOWER**  
A Division of **DTE** Dyna Technology Inc



WINPOWER Tractor Driven Alternators provide electrical power for a variety of farm or remote location electrical systems and equipment. WINPOWER has been providing quality standby electrical systems for worldwide use since 1925.

Ruggedly built for truly dependable emergency standby and portable power, WINPOWER has two models to choose from, both with inherent regulation which provides exceptional motor starting capabilities

## FEATURES

- ◆ Operates at 1800 RPM
- ◆ Heavy duty construction
- ◆ Three year limited warranty
- ◆ Sealed ball and tapered ball bearings
- ◆ Frequency meter visible from tractor seat
- ◆ Superior motor starting
- ◆ Circuit breakers
- ◆ Convenience power outlets
- ◆ Shielded PTO shaft
- ◆ Inherently self regulated
- ◆ Full power connector included

# SPECIFICATIONS & FEATURES

## TYPE

AC, 4-pole revolving armature, statically excited and regulated. Drip proof control box. External grounding lug.

## 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

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

## FREQUENCY INDICATOR

Frequency meter readable from tractor seat, assures proper speed of operation.

## 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.

## COLLECTOR RING BRUSHES

Metal graphite with constant-pressure, self adjusting springs.

## EXCITATION

Statically excited and inherently regulated using a boost transformer.

## OPERATING SPEED

Generator rotates at 1800 RPM.

## LIMITED THREE-YEAR WARRANTY

Three year warranty covers entire alternator against defects in material and workmanship under normal use and service. After one year, factory repair and reconditioning service is available at cost of labor within three years of purchase date. Detailed warranty certificate enclosed with each generator.

MODEL	50/30PTCDF	80/50PTCDF
PTO RPM	540	540
WATTS (*max/cont)	50,000 / 30,000	80,000 / 50,000
VOLTS	120/240	120/240
AMPS (*max/cont)	208/125	333/208
PHASE	1	1
POWER FACTOR	1.0	1.0
VOLTAGE REGULATION	± 5%	± 5%
<b>RECEPTACLES</b> - 120V Duplex NEMA 5-15R - 240V NEMA 6-50R - Full Power Receptacle	1-15 amp 1-50 amp 125 amp	1-15 amp 1-50 amp 208 amp
MOTOR STARTING NEMA CODE	30 HP Code G	50 HP Code G
TRACTOR HP REQUIRED (max/cont)	100 HP/60 HP	160 HP/105 HP
MOUNTING HOLES (4)	6 7/8" L x 11" W	10 5/8" L x 14" W
PTO SHAFT #	54326-1	SA11810
TRAILER MODEL #	97100	97100
APPROX SHIP WEIGHT	550	860

\* Maintain maximum starting load for five minutes

Specifications subject to change without notice

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