



## TRACTOR DRIVEN POWER TAKE-OFF GENERATORS

**SINGLE AND THREE PHASE \* 540 AND 1000 RPM \* 11KW - 150KW**



### **FULL RANGE PTO GENERATOR LINE FOR TODAY'S DIVERSE MARKETS!**

**Responding to the growing need for tractor-driven generators of all sizes, WINCO has added numerous new models to its product offering in PTO generators.**

**Since 1927, WINCO has been providing solutions to power problems by offering a line of electrical generator products. Today, WINCO offers PTO Generators in sizes ranging from 11kW through 150kW, with either 540 or 1000 rpm gear cases available on most models. This extensive offering will meet our customers' individual requirements, from the hobby farmer to the large livestock producer.**



## SINGLE PHASE GENERATORS

Compact PTO series are designed to provide reliable electrical power for customers who already have a compact utility tractor with 12 to 40 horsepower pto. The PTO generator is a cost effective way of providing 120/240 volt single phase standby power when commercial power is disrupted, inaccessible or impractical.

### FEATURES

- \* Brushless two pole generator utilizes compound excitation. Low harmonic content (<8%) is safe for sensitive loads.
- \* Capacitive excitation for close regulation and high motor starting capability.
- \* Large, magnetically shielded voltmeter is easily viewed from tractor seat.
- \* Rugged cast iron gear case with standard 1-3/8" six spline, standard 540 rpm input shaft.

### SPECIFICATIONS

	W11PTOS	W15PTOS
Power Rating (Watts) (1)	11 kW	15 kW
A C Output Voltage	120/240 volts	120/240 volts
Amps (Continuous) (2)	45 amps	60 amps
Generator Speed (RPM)	3600	3600
Phase	1	1
<u>Receptacles</u>	Yes	Yes
NEMA 5-20R 120V Duplex	1-20 amp	1-20 amp
NEMA 14-60R 120/240V	1-60 amp	1-60 amp
Tractor HP Required (4)	22	30
PTO Input Speed (RPM)	540	540
Code G Motor Starting (3)	6	8
Dimensions (LxWxH)	26.5x19x20.2	33x19x20.2
Ship Weight (lbs)	225	255
Warranty	1 Year	1 Year



### SPECIFICATIONS

	W85FPTOS	W100FPTOS	W150FPTOS
Power Rating (Watts) (1)	85 kW	100 kW	150 kW
A C Output Voltage	120/240 volts	120/240 volts	120/240 volts
Amps (Continuous) (2)	354 amps	416 amps	645 amps
Generator Speed (RPM)	1800	1800	1800
Phase	1	1	1
<u>Receptacles</u>	Yes	Yes	Yes
NEMA 5-20R 120V Duplex	1-20 amp	1-20 amp	1-20 amp
NEMA 6-50R 240V	1-50 amp	1-50 amp	1-50 amp
Full Power Receptacle	Yes	Yes	Terminal Block Only
Tractor HP Required (4)	170	200	290
PTO Input Speed (RPM)	1000	1000	1000
Code G Motor Starting (3)	50	70	100
Dimensions (LxWxH)	48.8x18.0x27.0	42.2x20.8x30.2	46.8x20.8x30.2
Ship Weight (lbs)	1150	1275	1620
Warranty	3 Years	3 Years	3 Years

### FEATURES

- \* Operates at 1800 rpm
- \* Heavy duty construction
- \* Grounding terminal
- \* 100% copper windings
- \* Full load connector
- \* Three year limited warranty
- \* Brushless/Revolving Field
- \* Sealed ball bearings
- \* Precision-AVR regulated voltage 2%
- \* Speed indicator visible from tractor seat
- \* Mounting base
- \* Convenience power outlets
- \* Helical gears
- \* Superior motor starting
- \* Mainline circuit breaker
- \* Shielded PTO shaft
- \* Rodent Screen
- \* Lifting eye

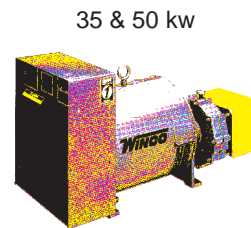
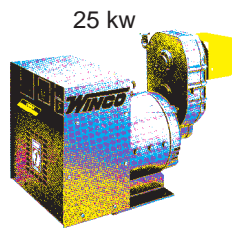


**NOTES:** 1) Continuous rating per NEMA MGI-22.40 standards. 2) Unity (1.0) power factor. 3) NEMA Code G capacitor start motor. 4) For full rated output. Each 2 hp of tractor power equals approximately 1 kW of electric power output.

## FEATURES

- \* Mainline circuit breakers protect load and generator
- \* PTO safety shield
- \* Single point lifting eye
- \* Protective rodent screen

- \* Color coded voltmeter for PTO/rpm adjustment and to verify proper operation
- \* 3-year limited warranty



## SINGLE PHASE GENERATORS

SPECIFICATIONS	25PTOC-3	35PTOC-3	50PTOC-3
Power Rating (Watts) (1)	25 kW	35 kW	50 kW
A C Output Voltage	120/240	120/240	120/240
Amps (Continuous) (2)	104 amps	146 amps	208 amps
Generator Speed (RPM)	3600	1800	1800
<u>Receptacles</u>	Yes	Yes	Yes
NEMA 5-20R 120V Duplex	1-20 amp	1-20 amp	1-20 amp
NEMA 6-50R 240V	1-50 amp	1-50 amp	1-50 amp
Full Power Receptacle	Yes	Yes	Yes
Tractor HP Required (4)	50	70	100
PTO Input Speed (RPM)	540/1000 Opt	540/1000 Opt	540/1000 Opt
Code G Motor Starting (3)	10	20	25
Dimensions (LxWxH)	28.5x15.7x19.7	36.6x19.8x21	38.6x19.8x21
Ship Weight (lbs)	330	536	612
Warranty	3 Years	3 Years	3 Years

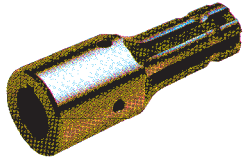
## THREE PHASE GENERATORS



SPECIFICATIONS	40PTOC-4/ 45PTOC-17	75FPTOC-4/ 75FPTOC-17	W105PTOT	W145PTOT
Power Rating (Watts) (1)	40 kW/45 kW	75 kW	105 kW	145 kW
A C Output Voltage	120/208, 120/240	120/208, 120/240	120/208, 120/240 or 277/480	120/208, 120/240 or 277/480
Amps (Continuous) (2)	111/108 per phase	208/180 per phase	364, 316 or 158 per phase respectively	503, 436 or 218 per phase respectively
Generator Speed (RPM)	1800	1800	1800	1800
<u>Receptacles</u>	Yes	Yes	Yes-varies w/voltage	Yes-varies w/voltage
NEMA 5-20R 120V Duplex	1-20 amp	1-20 amp	Contact Factory	Contact Factory
NEMA 6-50R 240V	1-50 amp	1-50 amp	Contact Factory	Contact Factory
Full Power Receptacle	Yes	Yes	Contact Factory	Contact Factory
Tractor HP Required (4)	80/90	150	210	290
PTO Input Speed (RPM)	540/1000 Opt	1000	1000	1000
Code G Motor Starting (3)	25/30	40	40	70
Dimensions (LxWxH)	37.5x23x20	43.6x23x20	42.2x20.8x30.2	46.8x20.8x30.2
Ship Weight (lbs)	542/558	730/738	1234	1540
Warranty	3 Years	3 Years	3 Years	3 Years

**NOTES:** 1) Continuous rating per NEMA MGI-22.40 standards.  
 2) Unity (1.0) power factor. 3) NEMA Code G capacitor start motor. 4) For full rated output. Each 2 hp of tractor power equals approximately 1 kW of electric power output.

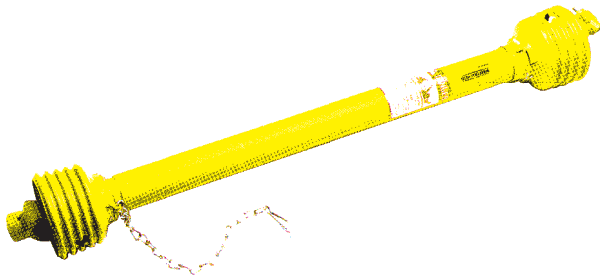
# PTO GENERATOR ACCESSORIES



**Spline Adapter**  
(1-1/8" i.d. - 1-3/8" 6 spline)



**Off-road trailers**



**Tumbling Bar**  
(for 540 rpm or 1000 rpm PTOs)

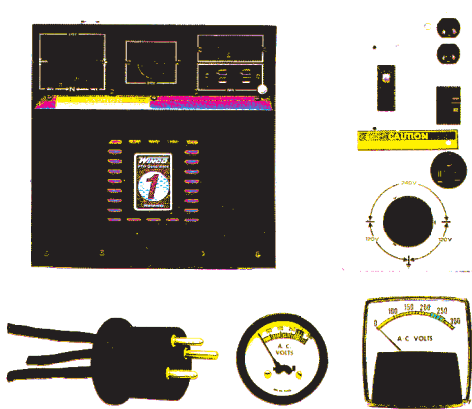


**Three-point hitch, includes PTO shaft**  
(for models W11PTOS & W15PTOS)

## Tumbling Bar Specifications

Generator PTO Power Rating	Operating Speed	Generator End Connection	Tractor End Connection	Shaft Power Rating
11 & 15 kW	540 rpm	1-3/8"-6 spline	1-3/8"-6 spline	43 hp
25 kW	540 rpm	1-1/8" - keyed	1-3/8"-6 spline	50 hp
35, 40, 45 & 50 kW	540 rpm	1-3/8"-6 spline	1-3/8"-6 spline	90 hp
35, 40, 45 & 50 kW	1000 rpm	1-3/8"-6 spline	1-3/8"-21 spline	135 hp
75kW	1000 rpm	1-3/8"-6 spline	1-3/4"-21 spline	135 hp
85 kW (Option 1)	1000 rpm	1-3/4"-20 spline	1-3/4"-20 spline	167 hp
85 kW (Option 2)	1000 rpm	1-3/4"-20 spline	1-3/4"-21 spline	167 hp
100 & 105 kW	1000 rpm	1-3/4"-20 spline	1-3/4"-20 spline	167 hp
145 & 150 kW	1000 rpm	1-3/4"-20 spline	1-3/4"-20 spline	257 hp

**1000 RPM Gearcase** This factory installed gearcase is available on the 25, 35, 40, 45 and 50kW models to match up with the high speed power take-offs found on larger tractors (not pictured).



**WARNING** An approved manual transfer switch must be used to connect your PTO generator to your electric system. Without an approved manual transfer switch, power can flow from the PTO generator into the power lines and cause fatal electric shock to repairmen working on the power lines. Consult an electric power company representative and a licensed electrician for the proper installation procedures.

**WINGCO INC**  
A Division of **DTE** Dyna Technology Inc

225 South Cordova Ave  
Le Center MN 56057  
East Coast: (800) 733-2112  
West Coast & Canada: (800) 324-8174  
E-Mail: [wincosales@wincogen.com](mailto:wincosales@wincogen.com)  
Web Site: [www.wincogen.com](http://www.wincogen.com)