



TRACTOR DRIVEN POWER TAKE-OFF GENERATORS

**SINGLE AND THREE PHASE
540 AND 1000 RPM
15KW - 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 15kW 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

The perfect accessory for your compact tractor.

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

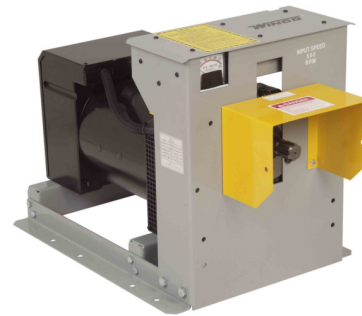
STANDARD FEATURES

- * 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 allowing easy setting of speed
- * Rugged cast iron gear case with 540 RPM 1-3/8" six spline input shaft
- * Compact for easy storage

SPECIFICATIONS

W15PTOS

Power Rating (Watts) (1)	15 kW
A C Output Voltage	120/240 volts
Amps (Continuous) (2)	60 amps
Generator Speed (RPM)	3600
Phase	1
Receptacles	
NEMA 5-20R 120V Duplex	1-20 amp
NEMA 14-60R 120/240V	1-60 amp
Tractor HP Recommended (4)	30
PTO Input Speed (RPM)	540
Code G Motor Starting (3)	8
Generator Type (10)	RFL(C)
Dimensions (LxWxH)	33 x 19 x 20
Ship Weight (lbs)	292
Warranty	1 Year



STANDARD FEATURES

- * Mainline circuit breakers
- * 100% copper windings
- * 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



SPECIFICATIONS

25PTOC-3

35PTOC-3

50PTOC-3

Power Rating (Watts) (1)	25 kW	35 kW	50 kW
A C Output Voltage	120/240 volts	120/240 volts	120/240 volts
Amps (Continuous) (2)	104 amps	146 amps	208 amps
Generator Speed (RPM)	3600	1800	1800
Receptacles			
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/Plug	Yes	Yes	Yes
Tractor HP Recommended (4)	50	70	100
PTO Input Speed (RPM)	540/1000 optional	540/1000 optional	540/1000 optional
Code G Motor Starting (3)	10	20	25
Generator Type (10)	RAB	RFB	RFB
Dimensions (LxWxH)	29 x 16 x 20	39 x 20 x 21	39 x 20 x 21
Ship Weight (lbs)	330	536	612
Warranty	3 Years	3 Years	3 Years

SINGLE PHASE GENERATORS



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	625 amps
Generator Speed (RPM)	1800	1800	1800
Phase	1	1	1
Receptacles	Yes (6, 8)	Yes (6, 8)	Yes (6)
Tractor HP Recommended (4)	170	200	290
PTO Input Speed (RPM)	1000	1000	1000
Code G Motor Starting (3)	45	55	75
Generator Type (10)	RFL(X)	RFL(X)	RFL (X)
Dimensions (LxWxH)	49 x 17 x 27	47 x 21 x 30	47 x 27 x 30
Ship Weight (lbs)	1080	1275	1620
Warranty	3 Years	3 Years	3 Years

STANDARD FEATURES

- * Heavy duty construction
- * 100% copper windings
- * Superior motor starting
- * Operates at 1800 rpm
- * Precision-AVR regulated voltage - 2% on RFL(X) types
- * Full load connector-350A & below
- * Convenience receptacles
- * Mainline circuit breaker
- * Grounding terminal
- * Lifting eye and Mounting base
- * Sealed ball bearings
- * Helical gears
- * Rodent Screen
- * Shielded PTO shaft
- * Speed indicator visible from tractor seat
- * Three year limited warranty

THREE PHASE GENERATORS



SPECIFICATIONS	40PTOC-4/ 45PTOC-17	75FPTOC-4/ 75FPTOC-17	W105FPTOT	W145FPTOT
Power Rating (Watts) (1)	40/45 kW	75 kW	105 kW	145 kW
A C Output Voltage	120/208 or 120/240	120/208 or 120/240	120/208, 120/240 or 277/480	120/208, 120/240 or 277/480
Amps (Continuous) (2)	111/108	208/180	291/253/126	402/349/174
Generator Speed (RPM)	1800	1800	1800	1800
Phase	3	3	3	3
Receptacles	Yes (6, 8)	Yes (6, 8)	Yes (6, 8, 9)	Yes (6, 9)
Tractor HP Recommended (4)	90	150	210	290
PTO Input Speed (RPM)	540 (1000 opt)	1000	1000	1000
Code G Motor Starting (3)	25	40	40	70
Generator Type (10)	RFB	RFB	RFL(X)	RFL(X)
Dimensions (LxWxH)	38 x 23 x 20	44 x 23 x 20	47 x 21 x 30	47 x 27 x 30
Ship Weight (lbs)	558	738	1234	1540
Warranty	3 Years	3 Years	3 Years	3 Years

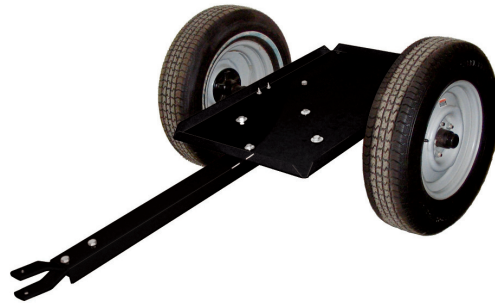
NOTES:

- 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
- 6) NEMA 5-20R, NEMA 6-50R receptacles
- 7) NEMA 5-20R, NEMA 14-60R receptacles
- 8) Full load connector and plug provided
- 9) 480 volt machines have no convenience receptacles or full load connector, connections to circuit breaker only
- 10) RFL(C) is Rotating Field Brushless, capacitor excitation; RFL(X) is Rotating Field Brushless, external regulation; RAB is Rotating Armature Brush Type; RFB is Rotating Field Brush Type
- 11) Specifications Subject To Change Without Notice

PERFORMANCE MATCHED ACCESSORIES



Three-point Hitch, includes PTO shaft
(for model W15PTOS)



Off-road Trailers

Double Throw Manual Transfer Switches



- * General Duty
- * Non-Fusible
- * Double Throw
- * Nema 3R Outdoor
- * Available in 100 and 200 amp, single or three phase voltages.



Spline Adapter (Use with 25PTOC-3)
(1-1/8" i.d. - 1-3/8" 6 spline)



Tumbling Bar Specifications

Generator PTO Power Rating	Operating Speed	Generator End Connection	Tractor End Connection	Shaft Power Rating
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
25 - 75 kW	1000 rpm	1-3/8"-6 spline	1-3/8"-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	1-3/8"-21 spline	167 hp
100 & 105 kW (Option 1)	1000 rpm	1-3/4"-20 spline	1-3/4"-20 spline	167 hp
100 & 105 kW (Option 2)	1000 rpm	1-3/4"-20 spline	1-3/8"-21 spline	167 hp
145 & 150 kW	1000 rpm	1-3/4"-20 spline	1-3/4"-20 spline	257 hp

(Note: 25 kW has keyed end - requires spline adapter)

WARNING:

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

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