

POWER THROUGH

PTO Generators make use of the power source you already know and trust - your tractor.

Having a generator that is portable opens up a variety of new options. Now you can take power wherever you need it. In-field repairs, construction on a remote part of your property, even grain drying without a utility connection are some of the uses of a PTO Generator.



GENERATOR



TX

10-50 HP
7-31 KW

The TX series generators are designed to back up small farms and estates. Simple connections and controls provide quick and easy access to power when you need it. TX series generators are suited for tractors from 10hp to 50hp. These simple little units provide backup or remote power from 7 Kilowatts to 31 Kilowatts. All TX generators have double surge power but careful sizing is still very important.

TX GENERATOR

Assessing Your Needs

**WORK SHEET
AVAIABLE
ONLINE
BAUMALIGHT.COM**

Picking a generator can be a daunting task, mostly because you have never thought about how much power you actually use. Generally, a typical household uses about 5KW and a typical barn uses about 5KW in lighting and small appliances. That gives you a place to start. To calculate more accurately, use the power calculator worksheet or the power calculator online. Remember, when you are calculating your power requirements to calculate only what you need to run if utility power is unavailable. Also, if your tractor is almost too small for your load, then oversizing the generator helps.

SPECS / SELECTION



QC

20-200 HP
12-100 KW

A larger operation cannot afford to be without power for long. With a larger tractor the QC series of generators allow you to run a bigger operation. These portable power plants are designed to fit tractors from 20 to 200hp. The extensive QC model line-up supports power requirements from 12 Kilowatts to 100 Kilowatts and we are considering large models if requested. 3 Phase options are also available.

QC GENERATOR

TX

10-50 HP / 7-31 KW

PTO GENERATORS

TX GENERATOR

GENERATOR



With Baumalight PTO generators, power can be as close by as your tractor. TX generators are designed to keep the lights on and the power going when utility power is unavailable due to storms or other scenarios.





Plug in & Power up

Back-Up and Remote power for your property.



Source for Power

The TX series panel's simple design provides easy straight forward operation to get you up and running in no time.

There are places on your property that are only reachable by tractor. Getting power to these locations for tools and appliances can be challenging. These tag-along generators allow you to take power where you need it, when you need it. In-field break downs can happen anywhere and at the worst time. Paired with a portable welder, TX generators make a great in-field repair team.

- Easy View voltmeter - set up the TX in no time from the tractor seat.
- Reset circuit breakers - protect against short circuit damage.
- Brushless design means improved performance with less maintenance.
- Internal operating speed of 3,600 RPM.
- Copper windings provide more efficient power generation.
- Neutral bonded to ground.
- Multiple connection options including:
 - Full power outlet.
 - 20 amp duplex receptacle.
 - 50 amp welder receptacle.
- Self Regulation keeps power consistent within plus or minus 6%.
- Drip Proof design.
- Limited 2 Year/2000 hour Warranty.



DisplayMeter



DisplayMeter volt meters accompany every BAUMALIGHT TX generator to help get you in the zone quickly.

All volt meters are conveniently positioned to be easily visible from the tractor.

TX Performance

Mounted on rubber tires TX generators are easily handled for set up and storage. The tires also reduce vibration wear on the generators during use.



GENERATOR POWER PERFORMANCE CHART



TX

PERFORMANCE CHART



Model	Connection	KW	Momentary Surge KW	50% Load	100% Load	120v 20amp Duplex	Welder Recept Voltage	Volts	Full Output Amps	Phase	Shipping Weight (lbs)
TX 7	Dedicated	7	14	5HP	11HP	2	240	120/240	30	1	300
TX 12	Dedicated	12	24	10HP	21HP	2	240	120/240	50	1	370
TX 18	Dedicated	18	37	15HP	34HP	2	240	120/240	80	1	474
TX 25	Dedicated	25	50	19HP	42HP	2	240	120/240	100	1	563
TX 31	Dedicated	31	62	22HP	50HP	3	240	120/240	125	1	596

Motor starting capabilities are much greater for QC generators.

QC

PERFORMANCE CHART



Model	Connection	KW	Momentary Surge KW	50% Load	100% Load	RPM	Welder Recept Voltage	Volts	Full Output Amps	Phase	Shipping Weight (lbs)
QC 12	Dedicated	12	25	9HP	21HP	540	240	120/240	50	1	645
QC 19	Dedicated	19	35	16HP	34HP	540	240	120/240	90	1	685
QC 30	Dedicated	30	85	20HP	49HP	540	240	120/240	125	1	750
QC 45	Dedicated	45	120	31HP	75HP	540	240	120/240	175	1	941
QC 55	Dedicated	55	150	42HP	89HP	540	240	120/240	225	1	1089
QC 65	Dedicated	65	180	48HP	102HP	540	240	120/240	250	1	1156
QC 80	Dedicated	80	225	55HP	122HP	1000	240	120/240	320	1	1358
QC 100	Dedicated	100	300	71HP	153HP	1000	240	120/240	400	1	1450
QC 30-2	Parallel Low WYE	30	85	20HP	49HP	540	208	120/208	100	3	779
QC 45-2	Parallel Low WYE	45	120	31HP	75HP	540	208	120/208	150	3	980
QC 68-2	Parallel Low WYE	68	190	50HP	105HP	540	208	120/208	250	3	1159
QC 105-2	Parallel Low WYE	105	315	72HP	155HP	1000	208	120/208	400	3	1474
QC 30-3	Series High Delta	30	85	20HP	49HP	540	240	120/240	90	3	779
QC 45-3	Series High Delta	45	120	31HP	75HP	540	240	120/240	150	3	980
QC 68-3	Series High Delta	68	190	50HP	105HP	540	240	120/240	225	3	1159
QC 105-3	Series High Delta	105	315	72HP	155HP	1000	240	120/240	320	3	1474
QC 30-4	Series High WYE	33	85	20HP	49HP	540	n/a	277/480	50	3	779
QC 45-4	Series High WYE	50	120	31HP	75HP	540	n/a	277/480	70	3	980
QC 68-4	Series High WYE	76	190	50HP	105HP	540	n/a	277/480	125	3	1159
QC 105-4	Series High WYE	113	315	72HP	155HP	1000	n/a	277/480	150	3	1474
QC 27-6	Dedicated	27	45	18HP	47HP	540	n/a	347/600	35	3	779
QC 50-6	Dedicated	50	130	35HP	80HP	540	n/a	347/600	60	3	1010
QC 75-6	Dedicated	75	200	52HP	110HP	1000	n/a	347/600	90	3	1175
QC 100-6	Dedicated	100	300	71HP	153HP	1000	n/a	347/600	150	3	1475

GENERATOR

SPECS / SELECTION

8 WEEKS 8% \$ SAVES \$ 8

Planning ahead pays off. To reward and encourage you to plan ahead, Baumalight is offering an 8% discount on pre-ordered generators. This program allows you to order a generator at a discount for delivery in 8 weeks. We all know being prepared before an emergency is best but we all get caught off guard once in a while. This program allows us to reward the prepared and also keep stock for the times when customers have immediate needs.

GENERATOR

TIPS FOR GENERATOR SELECTION

SPECS / SELECTION



Assessing Your Needs

Picking a generator can be a daunting task, mostly because you have never thought about how much power you actually use. Generally a typical household uses about 5KW and a typical barn uses about 5KW in lighting and small appliances. That gives you a place to start. To calculate more accurately use the power calculator worksheet on the following page. Remember, when you are calculating your power requirements, calculate only what you need to run if utility power is unavailable. To make it even easier for you we have also have a power calculator online.

Thinking About Expansion

Now that you have calculated your power needs, you should think about expansion. What things are you likely to upgrade in the future? How will that affect your power needs? It is a good idea to buy a generator that not only meets your current power needs but has room for growth.

Larger Generators Work with Small Tractors

Sometimes the HP ratings on generator models are confusing. Unlike other equipment, the HP rating tells you what HP is required to get the most out of a generator. For example, a QC30 generator is rated for 30KW at 49HP, however it is capable to produce 15KW at 20HP. So, if you need 12KW and you only have a 20HP tractor, you could buy a QC30 and meet your current needs and have room to upgrade both your equipment and your tractor.

Get Advice

To get the most out of your Baumalight generator you should consult a qualified electrician who can help you integrate the generator into your system. If you have any questions or need help deciding on which model would be best for you contact your local dealer. To find your local dealer, check out the Dealer Locator on our website: www.baumalight.com

QC

20-200 HP / 12-100 KW

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POWER THROUGH

In PTO, single phase is the most common but configurations are available for 3 - phase power applications. QC generators are designed with the industrial ruggedness and extended use today's large farms demand. QC generators run on 4 pole copper windings, not only does this reduce the rpm of the unit but also increases the quality and stability of the power. These high quality windings also give the QC series nearly 3 times momentary surge capacity over their rated power. These generators are designed to be put into service quickly. The axle mounted design allows most QC's to be hooked up by one person. Once attached to the tractor, it is ready to go where you need it. The DisplayMaster1 allows the operator to set the speed quickly and easily from the seat with easily visible lights that indicate Over, Under and Correct operating speed.

QC generators give you a portable power solution that is up to the task 24hrs a day 7 days a week and can be a cost effective alternative to upgrading utility power if your service has become too small. Your power requirements on your property can vary by time of year and location.

GENERATOR

QC GENERATOR

QC

20-200 HP / 12-100 KW

PTO GENERATORS

Plug in & Power up

PTO Generators keep your operation going.



Source for Power

QC Generator connection panel come with Full Load connectors with a lockable cover and multiple receptacles with overload protection for safe simple operation.



QC Performance

Designed to meet the needs of your operation the QC Generators are built for 24 Hr 7 days a week dependability.



Whether you need emergency back up, portable in-field repair power, or power for un-serviced locations PTO Generators are a handy tool.

- Reset circuit breakers - protect against short circuit damage.
- Brushless design means improved performance with less maintenance.
- 4 Copper windings provide more efficient power generation.
- Oversized windings enhance quality and stability of power.
- Neutral bonded to ground.
- Internal operating speed of 1,800 RPM
- Lower Operating Speed increases duty cycle and operating life.
- Speed indicating lights make set up quick and easy.
- Automatic voltage regulation keeps power stable within 1% +/- down to 56Hz.
- High momentary surge capacity up to 3 times working wattage rating for excellent motor starting.
- Multiple connection options including:
 - Full power outlet with locking cover.
 - 20 amp duplex receptacle.
 - 50 amp welder receptacle.
- Drip Proof design.
- Limited 2 Year/2000 hour Warranty.



GENERATOR

QC GENERATOR

DisplayMaster1

SEE IT  IN ACTION

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GENERATOR

Control at a Glance



The *DisplayMaster1* is your guide for quick, easy setup and an “at a glance” monitor of key performance factors.

Getting the power up and running is a simple task with the intuitive 3 light system. The bright LEDs give instant feedback whether over or under speed. Once optimal PTO speed is reached the green light is lit and you are ready to go. The solid state microprocessor then monitors the performance of the generator. This rugged design allows for accurate performance even in sub-zero conditions. The back lit display is quickly and easily read even in low-light conditions. The display scrolls through the monitored features at 30 second intervals so you are always on top of the generator’s performance. Like the rest of the generator, the *DisplayMaster1* is designed for long life and easy servicing with easy board exchange plug-in connectors.

Voltage, Frequency & Amperage



This screen shows the actual Voltage, Frequency and Amperage being drawn on each line. This allows you to monitor and adjust to balance the load on each line for more stability and prolonged life of your generator.

Voltage: is displayed for each line and in single phase the third value is the average across both lines.

Hertz: (Frequency) is shown in a value of 1 tenth of a Hertz.

Amperage: is displayed for each line.

KW, KVA, Power Factor



KW: * Kw is shown; this is the actual load being used.

KVA: * Kva is also shown, this is power required by the loads being supplied by the generator and should not exceed the rated power of the machine.

Power Factor: * Power factor (out-of-phase lag) is calculated and displayed. A totally resistive load (heat) will have a power factor of one while a totally inductive load (motors) could be as low as .8 a higher power factor means better efficiency. A low power factor can misrepresent the power required from the generator, meaning the generator is working harder than is being shown. With this information you can monitor how hard the generator is working and prevent damage from overloading.

Runtime & KW Hours



This display shows the time run and amount of power generated by the unit from new.

Runtime: * is recorded and displayed; this is total hours the unit has run from new.

KW Hours: * are calculated and displayed; this is total current in Kw produced. One Kw for one hour is one Kw hour and ten Kw for one hour is ten Kw hours while one Kw for 10 hours is also ten Kw hours. Kw hours produced are recorded to memory and multiplied from day one.

Peak / Average KVA



Peak/Average KVA: * is monitored and displayed. This is a calculation based on the span between machine start-up and machine shutdown. This allows you to monitor what your systems require of your generator. You can see what you need to run (average) and your peak needs (motors starting etc.) which helps you evaluate your system and predict future needs and upgrades.

*Not available in 3 phase delta connection.

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