

Baumalight Generators | Portable and PTO Generators PTO Generators

Whether you have a rural property or large farming operation, you cannot afford to be without power for long. During an electrical power outage, Baumalight's TX, KR and QC series of PTO tractor generators give you a variety of choices – from running small tools and appliances to powering large motors on equipment such as silo unloaders and milking systems.

With tractor powered PTO generators, power is as close by as your tractor. A portable, convenient and reliable solution for emergency back-up, in-field repairs or remote power for unserved locations, the TX, KR and QC series of PTO generators make use of a power source you already know and trust – your tractor.

- 1) QC SERIES - 4 POLE
120/240 SINGLE PHASE
120/208 VOLT 3-PHASE
120/240 VOLT 3-PHASE
480 VOLT 3-PHASE
600 VOLT 3-PHASE
- 2) TX SERIES - 2
POLE
- 3) KR SERIES - 4 POLE

Why Choose a PTO Generator?

When the power goes out, a Baumalight PTO generator offers a high-quality, high-capacity and portable power plant – right in your own backyard. Now you can take power wherever you need it: in-field repairs, construction on a remote part of your property, or even grain drying without a utility connection. Simply plug in and power up.

BACKING UP RURAL LIFE

Everyone knows that tractors power farms and rural property, making them the perfect partner during a power outage. As an alternative to a portable generator whose engine might not want to start after it has been sitting with stale fuel, a varnished or stuck carburetor, or dead battery, your tractor is always on stand-by and can perform double-duty as an emergency power supply when utility power is unavailable.

BAUMALIGHT has been making PTO Generators since 2000.

At Baumalight, we believe we can offer farmers and property owners more for their money by using something they already have on hand. When you purchase a Baumalight PTO generator, you gain more Kilowatts, spend less on maintenance, and benefit from cleaner power. We count on electricity every day for the necessities of life. On today's industrialized farms, reliable electric power is essential to their operation. During a power outage, rural properties are often the last ones to regain power – sometimes days later than towns and urban areas. As a farmer and rural property owner, you need to have access to power that is ready to go at a moment's notice.

REMOTE POWER

When you live on a rural property, you need to be versatile. And you expect the same from your equipment. Baumalight PTO generators are portable and easy for one person to hook up to their tractor. The trailer design gives you more flexibility, allowing you to move the power to where it is needed most.

DisplayMaster1

DisplayMaster1 is more than a volt meter, it gives you a glance monitoring of your generator's performance including voltage, frequency, amperage, KW, KVA, runtime and more. **Included on all KR and QC Generators**

CONTROL AT A GLANCE

Designed exclusively for BAUMALIGHT KR and QC generators, 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 subzero conditions. The back lit display is quickly and easily read even in low-light situations. 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 requires 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.

TX Series PTO Generators

With the Baumalight TX series of PTO generators, power is as close by as your tractor. With one less engine to maintain on your property, the TX series of portable generators gives you the advantage of using your reliable tractor during an emergency situation or simply for additional power when required. Designed to back up small farms and estates like yours, the TX PTO generators feature simple connections and controls that provide quick and easy access to power when you need it. The TX series of PTO generators are suited to tractors from 10 hp to 50 hp and provide backup or remote power from 7 Kilowatts to 31 Kilowatts.

In-field breakdowns can happen anywhere and at the worst time. Paired with a portable welder, TX PTO generators allow you to take power to where you need it the most, making them a perfect repair partner.

Price includes PTO Shaft, Trailer and 10 ft cord with Anderson connector.

KR Series PTO Generators

Our newest addition to our line of PTO generators, the KR series generators are designed to fit tractors from 45 to 97 horsepower and support power requirements from 30 kilowatts to 65 kilowatts. The KR model's generator assembly is made in Canada and the main components are made in Europe. When the unexpected happens, you can rely on the trusted combination of your tractor and your KR generator to get you back up and running. With one less engine to maintain, a PTO generator is an effective, reliable backup power source for your smaller appliances and large equipment motors on your farm. The KR series is a 4-pole copper winding generator that features a

brushless design for less maintenance, automatic voltage regulation and DisplayMaster1, Baumalight's own at a glance performance monitor. Price includes PTO Shaft, Trailer and 10 ft cord with Anderson connector.

QC Series PTO Generators 120/240 Single Phase

Designed for mobile or standby electrical power, the QC series tractor powered generator is ideal for your farm or rural property. At 100% load, these QC PTO models offer 12 KW to 100 KW and momentary surge from 25 up to 300 KW. To determine exactly how much power you need, you can find specific information on our website by using our Power Calculator as well as our Principles Chart, which outlines which QC PTO generator model will best suit your property's power requirements. Price includes PTO Shaft, Trailer and 10 ft cord with Anderson connector.

QC Series PTO Generators 120/208 Volt 3-Phase

Baumalight offers QC generators that can be configured for 120/208 voltage and features 30 KW to 105 KW at 100% load and a momentary surge from 85 KW to 315 KW. To determine exactly how much power you need, you can find specific information on our website by using our Power Calculator as well as our Principles Chart, which outlines which QC PTO generator model will best suit your property's power requirements.

Price includes PTO Shaft, Trailer and 10 ft cord with Anderson connector.

QC Series PTO Generators 120/240 Volt 3-Phase

With a QC PTO generator that is configured for 120/240 three phase voltage, at 100% load these generators offer 30 KW to 105 KW and a momentary surge from 85 to 315 KW. To determine exactly how much power you need, you can find specific information on our website by using our Power Calculator as well as our Principles Chart, which outlines which QC PTO generator model will best suit your property's power requirements.

Price includes PTO Shaft, Trailer and 10 ft cord with Anderson connector.

QC Series PTO Generators 480 Volt 3-Phase

Designed for mobile or standby electrical power, the QC PTO generator for 480 volt three phase models are ideal for your farm or rural property. At 100% load, these QC PTO models offer 33 KW to 113 KW and momentary surge from 85 KW up to 315 KW. The -4 480 volt configuration features a different panel as well as a different breaker and doesn't include the welder receptacle or the 20 amp duplex receptacles. To determine exactly how much power you need, you can find specific information on our website by using our Power Calculator as well as our Principles Chart, which outlines which QC PTO generator model will best suit your property's power requirements. Price includes PTO Shaft, Trailer and 10 ft cord with Anderson connector.

QC Series PTO Generators 600 Volt 3-Phase

We carry QC PTO tractor-driven generator models for a Dedicated 377/600 volt three phase output, which is the most frequent voltage distribution feed in Canada and also sometimes referred to as 550 volt. At 100% load, these QC PTO models offer 27 KW to 100 KW and momentary surge from 45 to 300 KW. To determine exactly how much power you need, you can find specific information on our website by using our Power Calculator as well as our Principles Chart, which outlines which QC PTO generator model will best suit your property's power requirements.

Price includes PTO Shaft, Trailer and 10 ft cord with Anderson connector.

How Much Generator Power Do You Need?

KR & QC SERIES POWER CALCULATOR

STEPS

1. A typical house will take about 5KW (5000 Watts).
2. A typical barn will take about 5KW (5000 Watts) in lighting and small appliances
3. For a typical house and barn combination you can skip LINE 1 to 2 and enter 10KW into LINE 4.
4. Select the items you wish to power at the same time. Using the Power Calculator, fill in the values as applicable.

CONVERSIONS

- 1000 Watts = 1 Kilowatt (KW)
- 1 Horsepower = 1 Kilowatt (Approx.)
- Amps x Volts = Watts

TX SERIES POWER CALCULATOR

STEPS

1. Select the items you wish to power at the same time. Using the Power Calculator, fill in the values as applicable.
2. Focus on the larger applications that draw the most power.
3. A typical house will take about 5KW (5000 Watts).
4. A typical barn will take about 5KW (5000 Watts) in lighting and small appliances
5. For a typical house and barn combination you can skip LINE 1 to 6 and enter 10KW into LINE 7.

CONVERSIONS

- 1000 Watts = 1 Kilowatt (KW)
- 1 Horsepower = 1 Kilowatt (Approx.)
- Amps x Volts = Watts

Page Direct links

TX Series Calculation <https://online-order.baumalight.com/product/generators/tx-series> KR and QC Calculation
<https://online-order.baumalight.com/product/generators/kr-qc-series>

TX Series Page <https://online-order.baumalight.com/product/generators/tx-models>

KR Series Page <https://online-order.baumalight.com/product/generators/kr-models>

QC Series Page <https://online-order.baumalight.com/product/generators/qc-singlephase>

120/240 SINGLE <https://online-order.baumalight.com/product/generators/qc-singlephase> PHASE

120/208 VOLT 3-PHASE <https://online-order.baumalight.com/product/generators/qc-120>

120/240 VOLT 3-PHASE <https://online-order.baumalight.com/product/generators/qc-3phase>

480 VOLT 3-PHASE <https://online-order.baumalight.com/product/generators/qc-volt480>

600 VOLT 3-PHASE <https://online-order.baumalight.com/product/generators/qc-volt600>

Model No.	TX7	TX12	TX18	TX25	TX31
Connection	Dedicated	Dedicated	Dedicated	Dedicated	Dedicated
KW	7	12	18	25	31
Momentary Surge KW	14	24	37	50	62
50% Load (HP)	5	10	15	19	22
100% Load (HP)	11	21	34	42	50

Model No.	TX7	TX12	TX18	TX25	TX31
120v 20amp Duplex	1	2	2	2	2
Welder Receipt Voltage (50 amp)	240	240	240	240	240
Volts	120/240	120/240	120/240	120/240	120/240
Number of Poles	2	2	2	2	2
Internal RPM	3,600	3,600	3,600	3,600	3,600
Full Output Amps (Main Breaker)	30	50	80	100	125
Phase	1	1	1	1	1
Shipping Weight (lbs.)	300	370	474	563	596

Model No.	KR30	KR44	KR52	KR65
Connection	Dedicated	Dedicated	Dedicated	Dedicated
KW	30	44	52	65
Momentary Surge KW	85	115	140	180
50% Load (HP)	23	34	39	52

Model No.	KR30	KR44	KR52	KR65
100% Load (HP)	45	65	76	97
120v 20amp Duplex	2	2	2	2
Welder Receipt Voltage (50 amp)	240	240	240	240
Volts	120/240	120/240	120/240	120/240
Number of Poles	4	4	4	4
Internal RPM	1,800	1,800	1,800	1,800
Full Output Amps (Main Breaker)	125	175	225	250
Phase	1	1	1	1
Ship Weight (lbs.)	750	990	1,060	1,210

Model No.	Connection	KW	Momentary Surge KW	50% Load	100% Load	RPM	Welder Receipt Voltage (50 amp)	Volts	Number of Poles	Internal RPM	Full Output Amps (Main Breaker)	Phase	Shipping Weight (lbs)
QC 12	Dedicated	12	25	9HP	21HP	540	240	120/240	4	1,800	50	1	645
QC 19	Dedicated	19	35	16HP	34HP	540	240	120/240	4	1,800	90	1	685

Model No.	Connection	KW	Momentary Surge KW	50% Load	100% Load	RPM	Welder Receipt Voltage (50 amp)	Volts	Number of Poles	Internal RPM	Full Output Amps (Main Breaker)	Phase	Shipping Weight (lbs)
QC 30	Dedicated	30	85	20HP	49HP	540	240	120/240	4	1,800	125	1	725
QC 45	Dedicated	45	120	31HP	75HP	540	240	120/240	4	1,800	175	1	941
QC 55	Dedicated	55	150	42HP	89HP	540	240	120/240	4	1,800	225	1	1089
QC 65	Dedicated	65	180	48HP	102HP	540	240	120/240	4	1,800	250	1	1156
QC 80	Dedicated	80	225	55HP	122HP	1000	240	120/240	4	1,800	320	1	1358
QC 100	Dedicated	100	300	71HP	153HP	1000	240	120/240	4	1,800	400	1	1450
QC 30-2	Parallel Low WYE	30	85	20HP	49HP	540	208	120/208	4	1,800	100	3	779
QC 45-2	Parallel Low WYE	45	120	31HP	75HP	540	208	120/208	4	1,800	150	3	980
QC 68-2	Parallel Low WYE	68	190	50HP	105HP	540	208	120/208	4	1,800	250	3	1159
QC 105-2	Parallel Low WYE	105	315	72HP	155HP	1000	208	120/208	4	1,800	400	3	1474
QC 30-3	Series High Delta	30	85	20HP	49HP	540	240	120/240	4	1,800	90	3	779

Model No.	Connection	KW	Momentary Surge	KW	50% Load	100% Load	RPM	Welder Receipt Voltage (50 amp)	Volts	Number of Poles	Internal RPM	Full Output Amps (Main Breaker)	Phase	Shipping Weight (lbs)
QC 45-3	Series High Delta	45	120		31HP	75HP	540	240	120/240	4	1,800	150	3	980
QC 68-3	Series High Delta	68	190		50HP	105HP	540	240	120/240	4	1,800	225	3	1159
QC 105-3	Series High Delta	105	315		72HP	155HP	1000	240	120/240	4	1,800	320	3	1474
QC 30-4	Series High WYE	33	85		20HP	49HP	540	n/a	277/480	4	1,800	50	3	779
QC 45-4	Series High WYE	50	120		31HP	75HP	540	n/a	277/480	4	1,800	70	3	980
QC 68-4	Series High WYE	76	190		50HP	105HP	540	n/a	277/480	4	1,800	125	3	1159
QC 105-4	Series High WYE	113	315		72HP	155HP	1000	n/a	277/480	4	1,800	150	3	1474
QC 27-6	Dedicated	27	45		18HP	47HP	540	n/a	347/600	4	1,800	35	3	779
QC 50-6	Dedicated	50	130		35HP	80HP	540	n/a	347/600	4	1,800	60	3	1010
QC 75-6	Dedicated	75	200		52HP	110HP	1000	n/a	347/600	4	1,800	90	3	1175

Model No.	Connection	KW	Momentary Surge KW	50% Load	100% Load	RPM	Welder Receipt Voltage (50 amp) Volts	Number of Poles	Internal RPM	Full Output Amps (Main Breaker)	Phase	Shipping Weight (lbs)
QC 100-6	Dedicated	100	300	71HP	153HP	1000	n/a 347/600	4	1,800	150	3	1474

