

DOWN
but not
OUT



BAUMA **LIGHT**™



THE **RIGHT**
EQUIPMENT

BAUMALIGHT

BACKING UP RURAL LIFE

Why PTO?

Everyone knows that tractors power farms and rural property, what better to turn to in your darkest hour, or perhaps a portable generator with a light duty engine that might not want to start after it has been sitting with stale fuel, varnished or stuck carburetor, and a dead battery. A tractor is always on hand, is always maintained and used with a BAUMALIGHT PTO generator, it's ideal as an emergency power supply when utility power is unavailable.

BAUMALIGHT has been making PTO Generators since 2000. We feel that we can offer farmers and property owners more for their money by using something they have on hand already. What you get with a PTO generator is more Kilowatts, less maintenance, and cleaner power. Electricity is no longer just a convenience, more and more we count on electricity for the necessities of life. On today's industrialized farms, reliable electric power is essential to its livelihood. During a mass black out rural properties are often the last to get power back sometimes days later than towns and urban areas. You need to have access to power that is ready to go at a moments notice.



Remote Power

Rural Residents have to be versatile and they expect the same from their equipment. BAUMALIGHT PTO generators are also portable and easy to hook up even for one person. The trailed design gives you more versatility, allowing you to move the power to where it is needed most.



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

Having a high quality high capacity 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 BAUMALIGHT Customers have found.



TX

PTO GENERATORS



With BAUMALIGHT PTO generators power is as close by as your tractor. TX generators are designed to keep the lights on and the power going, for you and your family.

The TX series generators are designed to back up small farms and estates like yours. Simple connections and controls provide quick and easy access to power when you need it. TX series generators are suited to tractors from 10hp to 50hp. These rugged little units provide backup or remote power from 7 Kilowatts to 31 Kilowatts. All TX generators have double surge power to meet your spike demands.



THE RIGHT EQUIPMENT

BAUMALIGHT



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 rugged 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.
- Copper windings provide more efficient power generation.
- 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.



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.

DisplayMeter



Tried and true, *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.



QC

PTO GENERATORS

DOWN but not OUT

Your operation cannot afford to be without power for long. The QC series of generators allow you to take matters into your own hands. 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.

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 Display master 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 gives you a portable power solution that is up to the 24hr 7 day a week demand and can be a cost effective alternative to installing utility power. Your power requirements on your property can vary by time of year and location. Whether you

THE RIGHT EQUIPMENT

BAUMALIGHT



Plug in & Power up

QC Generators keep your operation going.



need emergency back up, portable in-field repair power, or power for un-serviced locations BAUMALIGHT PTO Generators put the power in your hands.

- 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.
- 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% plus or minus down to 56Hz.
- High momentary surge capacity up to 3 times working wattage rating for excellent motor starting.
- Multiple connection options including.
- Full Load Connector with locking cover.
- 20 amp duplex receptacle.
- 50 amp welder receptacle.
- Drip Proof design.
- Limited 2 Year/2000 hour Warranty.

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.



DisplayMaster1



Designed exclusively for BAUMALIGHT QC generators, the *DisplayMaster1* is your guide for quick, easy setup and an "at a glance" monitor of key performance factors.

- On board Microprocessor for quick accurate monitoring.
- Solid-State design for rugged performance even in sub-zero conditions.
- Backlit display for quick easy reading.
- Displays Amp usage for each line.
- Displays instantaneous Kilowatt usage.
- Plug-in connectors for easy servicing.

QC Performance

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



DisplayMaster1



Control at a Glance

Designed exclusively for BAUMALIGHT 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 sub-zero 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.

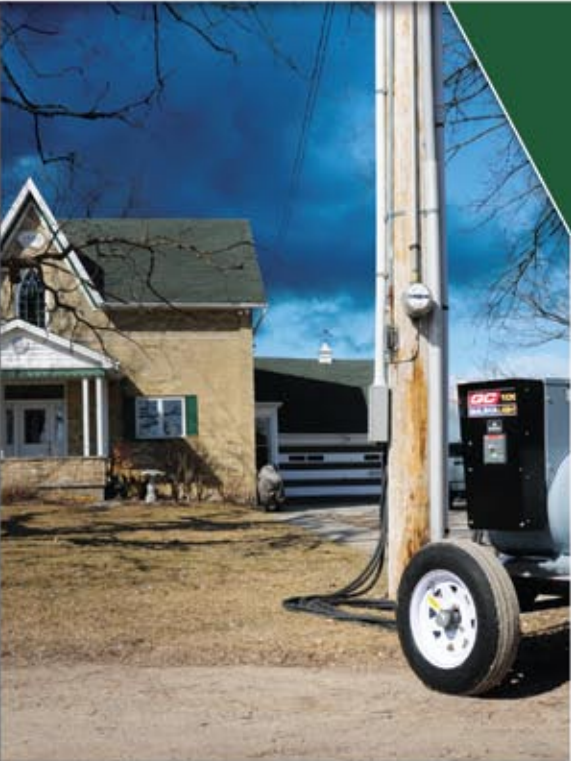
KW Hours: * are calculated and displayed; this is total current in Kw produced. One Kw for one hour is one Kw hour and ten Kw for one hour is ten Kw hours while one Kw for 10 hours is also ten Kw hours. Kw hours produced are recorded to memory and multiplied from day one.



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.



8 WEEKS SAVES \$8%

During the blackout of August 2003, an estimated 50 million people in the north-eastern US and southern Ontario were without power, some for as long as three days. The ice storms of 2007 left a half-million homes and businesses in Oklahoma without power for two weeks. On today's industrialized farms reliable electric power is not merely a convenience but essential to its livelihood. We all know being prepared before an emergency is best but we all get caught off guard once in a while.

BAUMALIGHT knows this all too well. Frustrated by seeing customers struggle while waiting up to two months for a generator, BAUMALIGHT developed the 8 Week Program for the QC series of generators to encourage and reward farmers for planning ahead. This program lets farmers order their generator at a discount for delivery in 8 weeks. This gives the farmer a better deal for planning ahead and lets BAUMALIGHT carry inventory for the times when customers have immediate needs.

8 Weeks Saves 8% Program available only in Canada.

TIPS FOR GENERATOR 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 house hold 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 worksheet in the back of this brochure. Remember, when you are calculating your power requirements to calculate only what you need to run if utility power is unavailable.

Thinking About Expansion

Now that you have calculated what your power needs are 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 12KWs 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 you local dealer go to our website www.baumalight.com



POWER PRINCIPLES GENERATOR LOCATOR

PRINCIPLES CHART

Model	Connection	KW	Momentary Surge KW	50% Load	100% Load	120v 20amp Duplex	Welder Recept Voltage	Volts	Full Output Amps	Phase	Shipping Weight
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	348
TX 18	Dedicated	18	37	15HP	34HP	2	240	120/240	80	1	430
TX 25	Dedicated	25	50	19HP	42HP	2	240	120/240	100	1	490
TX 31	Dedicated	31	62	22HP	50HP	2	240	120/240	125	1	520

PRINCIPLES CHART

Model	Connection	KW	Momentary Surge KW	50% Load	100% Load	120v 20amp Duplex	Welder Recept Voltage	Volts	Full Output Amps	Phase	Shipping Weight
QC 12	Dedicated	12	25	9HP	21HP	2	240	120/240	50	1	592
QC 19	Dedicated	19	35	16HP	34HP	2	240	120/240	90	1	678
QC 30	Dedicated	30	85	20HP	49HP	2	240	120/240	125	1	640
QC 45	Dedicated	45	120	31HP	75HP	2	240	120/240	175	1	945
QC 55	Dedicated	55	150	42HP	89HP	2	240	120/240	225	1	1037
QC 65	Dedicated	65	180	48HP	102HP	2	240	120/240	250	1	1156
QC 80	Dedicated	80	225	55HP	122HP	2	240	120/240	320	1	1335
QC 100	Dedicated	100	300	71HP	153HP	2	240	120/240	400	1	1485
QC 30-2	Parallel Low WYE	30	85	20HP	49HP	2	208	120/208	100	3	779
QC 45-2	Parallel Low WYE	45	120	31HP	75HP	2	208	120/208	150	3	995
QC 68-2	Parallel Low WYE	68	190	50HP	105HP	2	208	120/208	250	3	1160
QC 105-2	Parallel Low WYE	105	315	72HP	155HP	2	208	120/208	380	3	1474
QC 30-3	Series High Delta	30	85	20HP	49HP	2	240	120/240	90	3	779
QC 45-3	Series High Delta	45	120	31HP	75HP	2	240	120/240	150	3	995
QC 68-3	Series High Delta	68	190	50HP	105HP	2	240	120/240	225	3	1160
QC 105-3	Series High Delta	105	315	72HP	155HP	2	240	120/240	320	3	1474
QC 30-4	Series High WYE	33	85	20HP	49HP	0	n/a	277/480	50	3	779
QC 45-4	Series High WYE	50	120	31HP	75HP	0	n/a	277/480	70	3	995
QC 68-4	Series High WYE	76	190	50HP	105HP	0	n/a	277/480	100	3	1160
QC 105-4	Series High WYE	113	315	72HP	155HP	0	n/a	277/480	150	3	1474
QC 50-6	Dedicated	50	130	35HP	80HP	0	n/a	347/600	60	3	1010
QC 75-6	Dedicated	75	200	52HP	110HP	0	n/a	347/600	90	3	1175
QC 100-6	Dedicated	100	300	71HP	153HP	0	n/a	347/600	120	3	1485

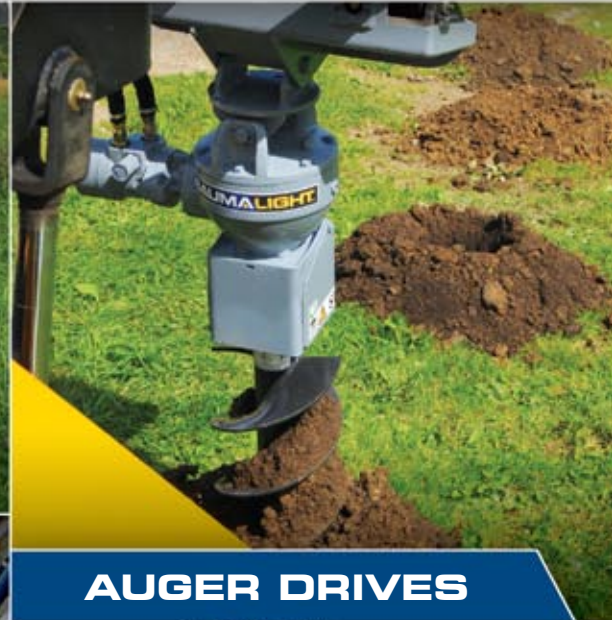
OTHER PRODUCTS

THE RIGHT EQUIPMENT

BAUMALIGHT



TRENCHERS



AUGER DRIVES



STUMP GRINDERS



MULCHERS



TREE SPADES

BAUMALIGHT

Authorized Dealer

Manufactured by: MTB MFG. INC.
4575 Powell Rd. Wallenstein, ON. Canada, N0B 2S0
1.866.820.7603 | T. 519.698.9864 | F. 519.698.1087 | E. sales@baumalight.com

www.baumalight.com