

DOWN but not OUT

BAUMA LIGHT™



THE **RIGHT**
EQUIPMENT

BAUMA  LIGHT™



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 50 hp. 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:
 - 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 200 hp. 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.



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

HOW MUCH GENERATOR POWER DO YOU NEED?

A typical home uses 5 Kilowatts. Note that it is often a good idea to buy a generator with more capacity than you currently need to allow for upgrades and additional equipment.

All generators will operate with less than recommended horse power, but will provide a reduced maximum output capacity.

For example: A typical home having a 5 KW load could use a 10HP tractor running a TX 7 or TX 12 generator.

Using the POWER WORKSHEET will help you to determine the generator size you need. To select a generator with enough power output in watts, add the watts for the items you want to simultaneously run. Tools and appliances with induction motors may require 3 – 10 times the listed wattage when starting, check your tool/appliance for specific wattage requirements.

STEPS

1. Select the items you wish to power at the same time. Using the chart , fill in the values as applicable.
2. Focus on the larger applications that draw the most power.
3. It is very important to pick out the **LARGEST** motor and list it separately in **LINE 9**.
4. A typical house will take about **5KW (5000 Watts)**.
5. A typical barn will take about **5KW (5000 Watts)** in lighting and small appliances
6. 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

SAMPLE WORKSHEET

6. House and Barn combination KW

7. Total HP in motors, leaving out largest motor, sum up all HP from all motors

Milker	5	HP
Cooler	3	HP
Silo Unloader	7	HP
Fans X7 @ .75HP Each	5.25	HP
Stall Cleaner	5	HP
Small Appliances	5	HP
House	5	HP
LINE 7 Total	35.25	HP

8. Horse power from Largest Motor HP

9. Multiply LINE 8 X 2 HP

10. Add LINE 7 and 9 (1HP = 1KW) KW

11. Add LINE 6 and 10. This is the total KW needed. KW

Generator Selection: **QC 65**

POWER WORKSHEET

1. Total Amps @ 120 Volts (Appliances) Amps
2. Total Amps @ 240 Volts (Appliances) Amps
3. Multiply LINE 1 X 120 Watts
4. Multiply LINE 2 X 240 Watts
5. Add LINE 3 and 4 Watts
6. Divide LINE 5 by 1000 (1000 Watts = 1KW) KW

7. Total HP in motors, leaving out largest motor, sum up all HP from all motors

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LINE 7 Total HP

8. Horse power from Largest Motor HP

9. Multiply LINE 8 X 2 HP

10. Add LINE 7 and 9 (1HP = 1KW) KW

11. Add LINE 6 and 10. This is the total KW needed. KW

OTHER PRODUCTS

THE **RIGHT**
EQUIPMENT

BAUMALIGHT



TRENCHERS



AUGER DRIVES



STUMP GRINDERS



MULCHERS



TREE SPADES

BAUMALIGHT

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