



Trailer Mounted Light Towers





Working late?

Light up your job site with PowerTower™ Light Towers.

Not just another light tower, our light towers are known for their versatility, durability, and simplicity. We use the latest lighting technology in our PowerTower light towers, resulting in greater visibility and improved safety for everyone on the job site.

Other advantages include one of the tallest masts in the industry at 30 plus feet, light stowage inside the canopy to prevent damage during transportation, and trailers designed and built to the highest standards in the industry.



See our complete line of light towers at frontierpower.com

We build quality and common sense into our light towers.

Versatility

The versatility of our light towers is where we really shine. With a selection of models and factory-installed options, we can configure the light tower for your application. We give you light and AC electrical power up to 30 kWe in one compact package. We build and design our own trailers, so you can be confident that the trailer fits perfectly with its light tower payload.

Durability

Our PowerTower lighting towers are built to withstand Western Canada's severe operating conditions. Featuring cold-weather starting technology and cooling systems that outperform other machines in cold climates as well as in high ambient temperatures. Our heavy duty design uses steel construction, aluminum checker plating, powder coating and galvanizing. Our towers will not let you down. Special care is given to the smallest details to ensure dependable and durable service.

Lighting

We use the latest lighting technology in our PowerTower light towers. Our high-output fixtures feature a high-intensity reflector that increases illumination and creates a brighter, more uniform light pattern. The result is greater visibility and improved safety for everyone on the job site. Light fixtures stay in place and can be mounted and adjusted without the use of tools, for fast job-site setup and less downtime. Light stowage inside the canopy comes standard to prevent damage during transportation or vandalism while the unit is unattended.

Power

The Kubota diesel engines that we use in our light towers are robust and reliable. It is the engine of choice and the engine the most demanding end users ask for by name. Coupled with Stamford's high-quality alternators, your power needs are well looked after. At Frontier, we are in the power generation business, so we are well versed with the heart of the machine.

Safety and Simplicity

With light towers that are used in rugged applications, including oilfields, pipelines and mining applications, we don't take safety lightly. Our light towers include safety features such as overspeed shutdowns, belt and finger guards, and a spill containment pan. With years of experience, we have designed our light towers so that they are simple to repair and it is easy to obtain and replace components. Simple isn't always easy, but our light tower customers wouldn't want it any other way.



Light stowage inside the canopy comes standard to prevent damage during transportation or vandalism while the unit is unattended.



Full-width access doors on both sides that stay open on their own give easy access to the engine and components.

Specifications

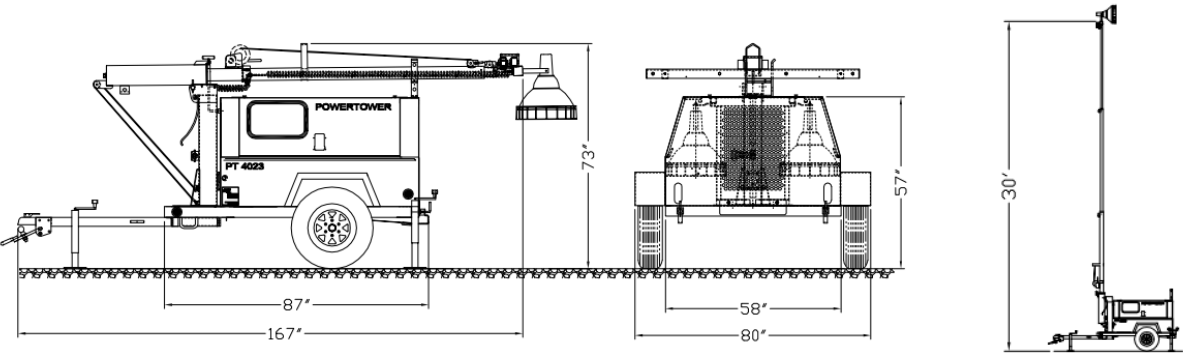
Engine and Generator	PT4023	PT4023XD	PT4030XD
Standby (Prime) kW	23 (21)		30 (28)
Engine model	Kubota		
EPA Tier	Tier 3 and Interim Tier 4.		
Mechanical power kWm (hp)	24.5 (32.8)		31.3 (42)
RPM (continuous duty)	1800		
Alternator	<ul style="list-style-type: none">• Stamford.• AVR controlled.• Brushless AC.		<ul style="list-style-type: none">• Stamford• 30 kW• AVR controlled• Brushless AC
Auxiliary electric cooling fan	Supplemental electrical fan provides cooling in all climate conditions.		
Vibration isolators	Yes		
Block heater	Yes		
Control Panel (CSA Approved Construction)			
Engine controls	<ul style="list-style-type: none">• Keyed ignition switch with glow plug indicator light.• Gauges for oil pressure, coolant temperature and hour meter.• Safety shutdowns for low oil pressure and high coolant temperature.		
AC distribution	<ul style="list-style-type: none">• Individual light switches.• Twist-lock receptacles.• Circuit breaker protection.		
	PT4023 and 4023XD: <ul style="list-style-type: none">• 2–15A, 115V duplex.• 4–30A, 125/240V (3 single, 1 3- phase). PT4030XD: <ul style="list-style-type: none">• 4–30A, 125/240V (single phase).• 1–50A, 125/240V (single phase).• 2-30A, 208V (3-phase).• 2-115V, duplex.		
Lamps and Mast			
Lamps	<ul style="list-style-type: none">• 4 – 1,000W metal halide lamps (LED are optional).• Lens guards.• Bulb supports.• 440,000 initial lumens.		
Light coverage	5 to 7 acres (2 to 2.8 hectares).		
Extension	<ul style="list-style-type: none">• Galvanized.• 30' full extension.		
Degrees of rotation	350°		

Canopy	PT4023	PT4023XD	PT4030XD
Enclosure	<ul style="list-style-type: none">• 14 gauge.• Welded construction.• Powder coat paint.• 14 gauge aluminum checker plate on front of canopy and front rail, prevents chip damage.		
Light storage	Internal light storage with pin locks.		
Access doors	<ul style="list-style-type: none">• Access doors with lockable latches.• Stainless steel hinge assembly.		
Lifting	Unit lifting eye.		
Window	18" x 11" window in control panel door.		
Trailer			
Safety certification	<ul style="list-style-type: none">• Transport Canada: National Safety Mark.• United States Department of Transportation National Highway Traffic Safety Administration: National Safety Mark.		
Frame	89 mm x 63.5 mm (3.5" x 2.5") tubular construction.	<ul style="list-style-type: none">• 51 mm x 216 mm (2" x 8-1/2") HSS tubular construction.• Checker plate fenders.	
Weight capacity	3,500 lbs. with Tor-Flex axle	<ul style="list-style-type: none">• 12,000 lbs (6,000 per axle)• Tor-Flex axle.	
Brakes	Electric		
Fuel tanks	2 x 95 litre (2 x 21 imp. gal.) internal fuel tanks with gauge.	<ul style="list-style-type: none">• 1,500 litre (330 Imp. Gal.).• External filler (lockable).• Gauge and drain.	
Hitch	Hitch with pintle/ball.	6 hole adjustable hitch with pintle/coupler.	
Jack	Front leveling jack.	8,000 lb drop let jack.	
Safety chain and hooks	Yes		
Transportation tie downs	At each corner.		

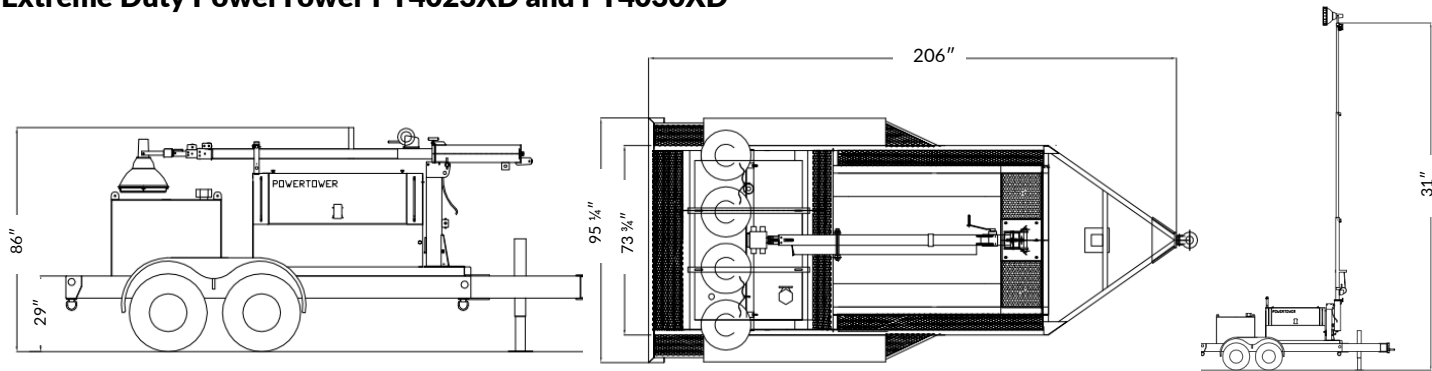
Optional Features	
<ul style="list-style-type: none"> Long Run Oil System® package. LED Lamps. Positive air shut-off. Fuel/water separator, Electric fuel gauge. 1 or 2 - 136 litre (30 Imperial gallons) aluminum auxiliary fuel tanks. 1 - 30A, 60A or 100A Crouse Hinds (pin & sleeve) receptacle. Ground rod with 20 ft. cable. Spare tire with mount. Aluminum wheels. 	<ul style="list-style-type: none"> Full fan/belt guarding. Thermostatically controlled coolant shutters. Battery box. Diesel-fired coolant heater—push/pull switch (can be upgraded to 24 hour timer). Custom paint colour—powder coat. Oil level gauge/shut down. Sound attenuation canopy. "Rhino Guard" trailer. Rear fuel stations (use fuel tank to fill other equipment).

Dimensional Drawings

PowerTower PT4023



Extreme Duty PowerTower PT4023XD and PT4030XD





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