

Let's power your business

Pon Energy Rental

Rental guide



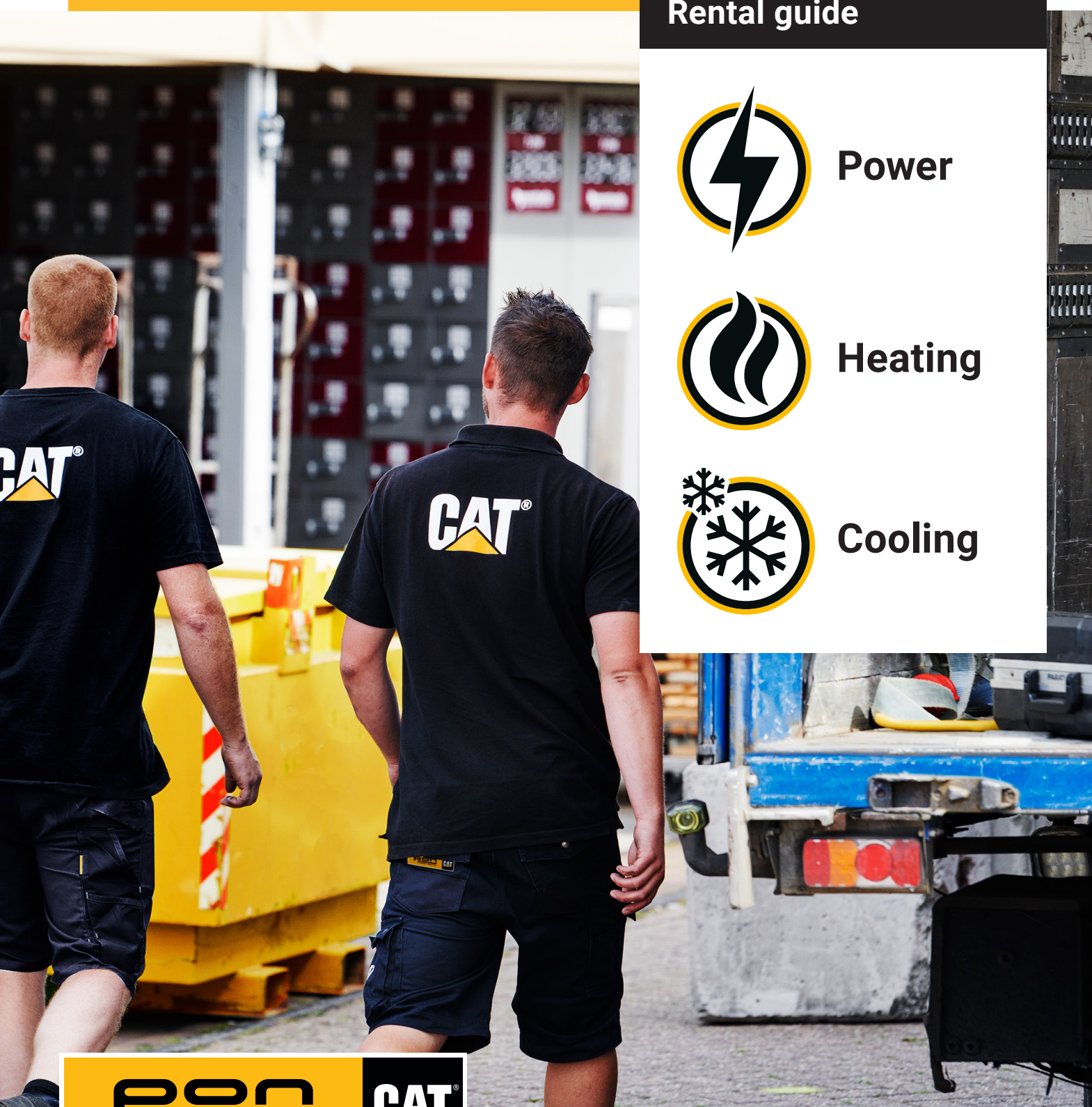
Power



Heating



Cooling



pon
ENERGY RENTAL

CAT



About Pon Energy Rental

Powered by Caterpillar

We are a rental company who are focused on providing the best rental solutions for power, heating and cooling. What makes us different from other rental companies are our people, who always make an effort to give you the best solutions with a personal touch.

Every project starts with a sincere desire from us to understand your needs. We sit down with you and ask you questions until we understand your challenges. We bring all our expertise, drive and commitment to every meeting, every project and every challenge. Whatever your needs are, we can recommend a solution – and a contingency plan – that reduces risk and optimizes uptime.

What we can offer you

- Highly qualified and experienced personnel
- An extensive rental fleet
- High quality and safety standards

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Our services

We offer a wide range of services to take care of all your needs, **we're here for you.**

As part of the global Caterpillar dealership experienced engineers and required components are always nearby and available when you need them.



We make sure that your business can run as usual, without interruptions and downtime. We are always one step ahead, with remote monitoring of the equipment in use.



Remote
monitoring



Transport
(delivery on site)



Inhouse
engineering



24/7
support

For more information
visit ponenergyrental.com

Our solutions

Whatever power, heating or cooling you need,
we take care of it.



Power

- Prime power
- Back-up power
- Load testing
- Peak shaving
- Contingency planning
- Continuous power
- Offshore/onshore



Heating

- Comfort heating
- Process heating
- Warehouse heating



Cooling

- Comfort cooling
- Process cooling
- Warehouse cooling
- Low temp re Fridgeration

Our power equipment includes:

- Power generators up to 2000 kVA
- Cables
- Fuel tanks
- Distribution gear
- Load banks
- Transformers
- Batteries

Our heating equipment includes:

- Air handlers
- Air heaters
- Air-to-air heat pumps
- Heat pumps
- Hot water systems

Our cooling equipment includes:

- Air handlers
- Air coolers
- Air-to-air heat pumps
- Heat pumps
- Chillers
- Cooling towers

Quality and safety

Everyone's safety matters to us. We design applications that conform to the highest safety standards. Our solutions comply with all regulations and certifications and meet the safety ISO security.





Road tows specifications

Our smart road tows are easy to operate and transport. This is the perfect choice when you have a smaller power need, and need a flexible solution. These generators have a built-in diesel tank, but you can rent a bigger tank on wheels in case you need it.

The road tows have a capacity from 30 to 100 kVA and can easily be switched between 400V and 230V. These generators are equipped with remote monitoring, which gives the opportunity to easily monitor the fuel level, current load and location of the generator.



Technical information

Model		SSDP36A	SSDP70A	SSDP120A
Frequency	Hz	50	50	50
Voltage Range	V	230 400	230 400	230 400
Power Capacity ¹	kVA	32.7	60.7	106.1
	kW	26.2	48.6	84.9
Output ²	A	82 47.1	152.3 87.6	266.3 153.1
Breaker 4P	A	100 60	160 100	400 200
Fuel tank	L	280	350	470
Fuel consumption ³	L/hr	6.1	10.6	19.8
Running time	hr	46	33	24
Dimensions [LxWxH]	mm	4240x1600x1800	4240x1600x1800	4200x1740x2140
Weight ⁴ without fuel	kg	1517	1703	2200
Weight ⁴ with fuel	kg	1755	2000	2600
Sound level ⁵	dBA ³	67	65	69
Remote monitoring	-	Yes	Yes	Yes

Details are given for guidance only. Exact equipment may vary according to geographical location and availability.

1. Performance data quoted in accordance with ISO 8528-1
2. Amps 50 Hz at pf 0.8
3. Fuel consumption measured at 75% load. Fuel density is 850 G/L
4. Includes oil and coolant
5. Sound levels given at 75% prime power load 50 Hz at 7m



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to help





Power generator specifications

Our canopied containers are sound insulated, with super-silent models for extra-sensitive environments. The XQE line provides lower fuel consumption (up to 20% lower) and excellent performance.

Ancillaries ensure your power supply meets the highest safety standards, with HV and LV cables, powerlock connectors, fuel tanks and 32- to 3200-A distribution boxes.



Technical information

Model		XQP100	XQ135	XQP150	XQ250	XQP275	XQP500
Frequency	Hz	50 60	50 60	50 60	50 60	50 60	50 60
Voltage Range	V	400 480	400 480	400 480	400 480	400 480	400 480
Power Capacity ¹	kVA	100 120	135	150 182	250	275 344	500 525
	kW	80 96	100	120 146	200	220 275	400 420
Output ²	A	144 144	195 162	217 220	360 305	398 413	722 632
Breaker 4P	A	200	250	250	400	630	800
Fuel tank	L	410	766	590	1200	717	965
Fuel consumption ³	L/hr	20.3 22.2	20.9	29.6 34.7	35.2 41.5	48.1 59.9	86.8 99.7
Running time	hr	20 18	37	20 17	34 29	15 12	11 10
Dimensions [LxWxH]	mm	2270x1120x1846	3570x1155x2030	3520x1120x2226	4250x1320x2445	4065x1400x2124	5103x1954x2292
Weight without fuel	kg	1517	2810	2547	4110	3880	5977
Weight with fuel	kg	2456	3580	3124	5310	4518	6879
Sound level ⁴	dBA	77.8 80.2	62.8	64 67	66.9 68.9	66.4 68	67 70
Remote monitoring	-	Yes	Yes	Yes	Yes	Yes	Yes

Details are given for guidance only

- @ Prime power
- Amps 50Hz at 400V, 60Hz at 480V
- Fuel consumption measured at 75% load. Fuel density is 850 G/L
- Sound levels given at 75% prime power load 50 Hz at 7m, Sound data 60 hz is estimated 2 dBA more then 50 hz based on bare engine data.



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Generators EU5 certified



EU5 certified

Power generator specifications

Our canopied EU5 containers are sound insulated, with super-silent models for extra-sensitive environments. The EU5 line are equipped with built-in AdBlue tank in addition to a built in diesel tank and provides excellent performance .

Ancillaries ensure your power supply meets the highest safety standards, with HV and LV cables, powerlock connectors, fuel tanks and 32- to 3200-A distribution boxes.



Technical information

Model		XQP115	XQP200	XQP310	XQP550
Frequency	Hz	50 60	50 60	50 60	50 60
Voltage Range	V	400 480	400 480	400 480	400 480
Power Capacity ¹	kVA	115 120	200 225	310 310	550 588
	kW	92 96	160 180	248 248	440 470
Rating	-	Prime	Prime	Prime	Prime
Output ²	A	166 144	289 271	447 373	645 707
Breaker 4P	A	200	400	630	1250
Fuel tank	L	518	822	667	1125
AdBlue tank	L	28	32	65.6	92
Fuel consumption ²	L/hr	20.4 21	32.4 39.9	50 56.5	87.4 98.8
AdBlue consumption ³	L/hr	0.82 0.84	1.3 1.6	2 2.3	3.5 3.95
Running time ³	hr	25.4 24.7	25 20	13.3 11.8	12.8 11.4
Dimensions [LxWxH]	mm	2970x1150x2076	4085x1420x2350	4085x1514x2277	5420x2040x2434
Weight without fuel ⁴	kg	2077	3651	4103	6740
Weight with fuel ⁴	kg	2527	4487	4784	7885
Sound level ⁵	dBA	64.9	64.6	65.4	70.4
Remote Monitoring	-	Yes	Yes	Yes	Yes

Details are given for guidance only

1. Performance data quoted in accordance with ISO 8528-1
2. Amps 50HZ at pf 0,8
3. Fuel consumption measured at 75% load. Fuel density is 850 G/L
4. Includes oil and coolant
5. Sound levels given at 75% prime power load 50 Hz at 7m



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Power generator specifications

Caterpillar is the largest producer of medium and high speed diesel engines, and its generators are known worldwide for their safety and reliability. We have generators for rental solutions ranging from a simple power set to multi-megawatt installations.

It is heavy-duty equipment with low noise and – alongside base load supply – easy to ramp up and down with soft loading and unloading for peaking power.

Our generators are housed in robust cast-iron 20-foot (diesel only) or 40-foot (diesel and gas) CSC plated ISO containers that are easy to transport by road, sea or air. They are simple to assemble, operate and maintain.

The XQE line provides industry leading fuel efficiency (up to 20% higher) and excellent performance. Ancillaries ensure your power supply meets the highest safety standards, from HV and LV cables and Powerlock connectors to fuel tanks, and 32- to 3200-A distribution boxes.



Technical information

Model		XQ1000	PM1360	XQC1600
Frequency	Hz	50 60	50 60	50 60
Voltage Range	V	400 480	400 480	400 480
Power Capacity ¹	kVA	1000 1137	1500 1700	2250 2281
	kW	800 910	1200 1360	1800 1825
Output ²	A	1445 1369	2167 2047	3251 2747
Breaker 4P	A	1600	2500	4000
Fuel tank	L	1200	400	1000
Fuel consumption ³	L/hr	184 198	231 268	327 339
Running time	hr	7 6	1.7 1.5	3 3
Dimensions [LxWxH]	mm	6058x2438x2591	6058x2438x2896	12192x2438x2896
Weight without fuel	kg	15570	20000	32000
Weight with fuel	kg	16570	20400	32850
Sound level ⁴	dBA	69.7 70	81 81	74
Remote Monitoring	-	Yes	Yes	Yes

Details are given for guidance only

1. @ Prime power
2. Amps 50Hz at 400V, 60Hz at 480V
3. Fuel consumption measured at 75% load. Fuel density is 850 G/L
4. Sound levels given at 75% prime power load 50 Hz at 7m, Sound data 60 hz is estimated 2 dBA more then 50 hz based on bare engine data.



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Load bank specifications

A load bank will give you all the information you need about the performance of your unit or system under full or partial load. We have a range of smaller load bank hire solutions with robust modular chassis/canopy construction for single or three phase testing up to 1000 kW per unit, 10-foot containers for 3000 kW and 20-foot containers for 5000 kW. These units can test AC supplies at unity or variable power factor, along with battery discharge and UPS units.

Our larger units can perform resistive and reactive testing of generators and power supplies, handling up to 480 V and 6 MVA each.

There is 690 V and HV testing without a transformer, and the units can have unity or variable power factor. Multiple units can easily be linked. Housed in robust ISO containers, the units are mobile and come with all the ancillaries you'll need.



Load banks

Technical information

Model		LB 1000	LB 1500	LB 3000	LB 6000	LB 6000-690
Type	-	Resistive	Resistive / Inductive	Resistive / Inductive	Resistive / Inductive	Resistive / Inductive
Power capacity ¹	kVA	1000	1042	2292	5000	6250 ⁴
Power capacity ²	kW	1000	833	1833	4000	5000 ⁵
Aux supply	V	380-420	380-420	380-420	380-420	380-420
Power factor	-	1	0.1-1.0	0.1-1.0	0.1-1.0	0.1-1.0
External fan & control supply	-	5 pole 32 Amp CEE	5 pole 32 Amp CEE	5 pole 63 Amp CEE	5 pole 125 Amp CEE	5 pole 125 Amp CEE
Airflow	-	Horizontal	Vertical	Vertical	Vertical	Vertical
Enclosure	-	Fork base	Fork base	ISO 10ft	ISO 20ft	ISO 20 ft
Connection points	-	M12	M12	M12	M12	12xM12
Dimensions [LxWxH]	mm	2340x1540x2075	3050x1852x2460	2991x2438x2591	6058x2438x2591	6058x2438x2591
Weight	kg	1420	5150	9000	17000	16500
Forklift pockets	-	Yes	Yes	Yes	Yes	Yes
Max. Sound level ³	dBA	73	79	85	88	88

Details are given for guidance only. Exact equipment may vary according to geographical location and availability.

1. Power capacity at 50Hz, 400V, 0.8pf
2. Power capacity at 50Hz, 400V, 1pf
3. Sound levels given at 3m 50Hz
4. @ 690V, 0.8pf
5. 690V, 1.0pf
6. @ 690V



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Fuel tank specifications

For an efficient operation of our generators we offer a range of ancillaries for rent, including environmentally-safe diesel fuel tanks. Our range of fuel tanks is UN1202 compliant and ADR approved.

They allow environmentally safe supply of fuel to our equipment where an auxiliary source is required, or if the equipment's own internal tank does not allow sufficient running time.

The robust pressure tested containers are equipped with quick release couplings, fork lift pockets and a lockable, vandal-proof access hatch. They ensure safe and secure containment of bulk fuel supplies for generators, heaters and hot water systems.



Fuel tanks

Technical information

Model		1000	3000	7000	8000	20000
Tank size	ltr	1000	3000	7000	8000	20000
Type	-	IBC	IBC	10 ft. ISO Container	10 ft. ISO Container	20 ft. ISO Container
ADR Approved	-	Yes	Yes	Yes	Yes	Yes
Fuel connection supply	-	3/8"	3/8", 3/4"	3/4"	3/4"	3/4"
Fuel connection return	-	3/4"	3/8", 3/4"	3/4"	3/4"	3/4"
Bund alarm	-	Electronic	Electronic	Visual	Visual	Electronic
Lifting points	-	Yes	Yes	Yes	Yes	Yes
Forklift pockets	-	Yes	Yes	Yes	Yes	No
Fuel fill connection	-	3"	3"	2"	2"	3"
Overfill connection	-	Yes	Yes	Yes	Yes	Yes
Fuel level indicator	-	Yes	Yes	Yes	Yes	Yes
Max. Fuel level	%	95	95	95	95	95
Lockable	-	Yes	Yes	Yes	Yes	Yes
Dimensions [LxWxH]	mm	1200x1200x1250	2400x1200x1600	2991x2438x2438	2991x2438x2438	6058x2348x2590
Weight empty	kg	450	950	4000	4400	6250

Details are given for guidance only. Exact equipment may vary according to geographical location and availability.

The majority of our fuel tanks is equipped with fuel level monitoring.

Fuel Level Indicators and Fuel Level Monitoring give only an indication of the current content and may not be seen as accurate values.



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HV transformer specifications

Our range of multi-tapped transformer rentals convert 400 to 480 V generator set outputs to a number of HV voltages up to 23 kV for distribution. The transformers are housed in CSC Plated 10- and 20-foot containers allowing a multitude of voltage combination to ensure optimal power transmission in all applications.

Our range of modular multi-tapped containerised transformers provides optimum voltage selection across all ranges to enable connectivity to a wide range of networks.

Complete package with full high voltage and low voltage protections. You can hire a transformer for everything from small-scale projects to a major plant.

Whether compensating for planned or sudden power shutdowns, or for seasonal changes in power demands. Our transformer rental equipment is also suitable for event power and for new construction and extensions. The modular units are safe and reliable.

They are efficient so have minimum effect on the environment. They use a mix of dry and oil cooling. The high-voltage outputs can be stepped down for testing with (for example) load banks.



HV transformers

Technical information

Model		HV 3150	HV 8000
Voltage secondary @ 50Hz	kV	5 - 22	5 - 23
Current secondary	A	350 82.67	770 200
Voltage primary	V	400	400
Current primary	A	4547	11546
Voltage secondary @ 60Hz	kV	6 - 23	6 - 23
Current secondary	A	262.5 - 131.3	642 - 202
Voltage primary	V	480	480
Current primary	A	3789	9622
Vector	-	Dyn 11 / YNyn 0	Dyn 11
Coolant	-	Oil	Midel 7131
Protection	-	DGTP*, HV overcurrent	DGTP*, HV overcurrent
Connection Points	-	M12	M12
Enclosure	ft	10	20
Dimensions [LxWxH]	mm	3029x2438x2590	6058x2438x2896
Weight	kg	10600	26000

Details are given for guidance only. Exact equipment may vary according to geographical location and availability.

* = Discharge Gas, Temperature, Pressure protection.



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LV transformer specifications

Our range of low voltage transformer rentals convert 400 to 480 V generator set outputs to a number of LV voltages up to 690 V for distribution. We offer a range of inputs and outputs to ensure you have the right voltage for your application.

You can rent a transformer for everything from small-scale projects to a major plant. Whether compensating for planned or sudden power shutdowns, or for seasonal changes in power demands.

Our transformer rental equipment is also suitable for event power, new construction and extensions and load bank testing.

The modular units are efficient so they have a minimum effect on the environment.



LV transformers

Technical information

Model		LV 500	LV 1000
Voltage primary	V	690 / 500 +/- 2 x 2,5%	690 / 500 +/- 2 x 2,5%
Current primary	A	418 / 577	418 / 577
Voltage secondary	V	400	400
Current secondary	A	722	1443
Connection	-	Dyn11	Dyn11
Coolant	-	Air	Air
Transformer protection ¹	-	N/A	N/A
Overcurrent protection	-	Yes	Yes
Shortcircuit protection	-	Yes	Yes
Connection points	-	M12	M12
Enclosure	-	Canopy	Canopy
Dimensions [LxWxH]	mm	2228x1200x1850	2228x1200x1850
Weight	kg	2065	2900

Details are given for guidance only. Exact equipment may vary according to geographical location and availability.

1. = Discharge Gas, Temperature, Pressure protection.



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Battery power

Battery specifications

Our rental battery units can be used in both onshore and offshore solutions, and on-grid and off-grid solutions since they can convert both frequency and voltage. They can be used stand alone or in a hybrid configuration with a generator, solar or wind application. They are ideal for microgrid applications.

They are also suitable for peakshaving, since they can charge at night when the grid is on low demand, and use the stored power when the power demand is high.

Use them to power your construction site, your event, your excavator, festivals and much more.

The units are equipped with DEIF ASC-4 Battery controllers, a custom PLC and large HMI touch screens to provide easy operation of the units.



Mobile batteries

Technical information

Model		BQ-S 400
Standby connection	VAC/Hz/A	380-420, 50-60, 63-125, IT/TN
Charge connection - CEE	VAC/Hz/A	380-420, 50-60, 63-325, IT/TN
Charge connection - power lock	VAC/Hz/A	380-440, 50-60, 200, IT/TN
Charge/discharge connection - power lock	V/Hz	380-480, 50-60, IT/TN
		380-440, 50-60, IT/TN
		208-240, 50-60, IT/TN
Discharge connection - CEE	V/Hz/A	400, 50, 16, 32, 63, 125, TN
Extra battery connection	VDC/A	800-1100, 500
Nominal energy	kWh	442
Available energy	kWh	350
Nominal apparent power	kVA/(V)	200 (208-240), 315 (380-480, 660-690)
Max apparent power *	kVA/(V)	200 (208-240), 400
Overload	%/min	140 (<1min)/160 (<2sec)
Nominal round-trip efficiency (IEC 62933-2-1)	%	>82
IP degree	-	IP56
Ambient conditions	°C	-20 to +40
Cooling/heating	-	Air cooled (air/air)
Fire extinguishing	-	Internal nozzles with connection from the outside
Detection	-	Fire
Housing type	-	Container
Dimensions [LxWxH]	mm	3163x2438x2896
Corrosion level	-	C5
Noise (low-high)	dBA	1m distance 63-78
Weight	kg	Up to 8900

Details are given for guidance only. Exact equipment may vary according to geographical location and availability.

*<45min drift



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FGWU0100726
AGW = 19740 KG

TILKOBLET

E22-601



FLAGGMANN

Offshore solutions

For the offshore industry, we offer solutions that meet the highest standards of safety and reliability. Therefore, our equipment incorporates a variety of safeguards, such as fire, gas, smoke and high-temperature detection. These systems are approved for use in zone 1 and our equipment are approved for use in safe zone. Our engineers are certified for offshore work,

We supply the complete oil & gas chain from exploration to drilling the oil or gas well, to extraction and beyond. We provide offshore equipment for oil rigs, vessels, FSO (Floating Storage & Offloading) and FPSO (Floating Production, Storage and Offloading) vessels and for decommissioning of platforms.



**Remote
monitoring**



**Transport
(delivery on site)**



**Inhouse
engineering**



**24/7
support**



Power

- Back-up power
- Prime power
- Emergency power
- Load testing
- NORSOK Z015
- DNV2.7-1

**We're here
to help**

Tell us what your challenge is and we'll create the right solution. We'll do that by making sure we define your needs from the outset and then tailoring the solution to suit them. Whether you're looking for emergency or primary power, a reliable back-up solution or a load test, we're here to help.

We'll put all our energy into helping you find the right solution.



Offshore power generator specifications

Our diesel driven offshore generators are manufactured by Caterpillar and are housed in a custom designed offshore rental package comprising of a canopied generator in a DNV 2.7-1 certified lifting frame. The package has been designed to provide flexibility for all types of end user operation. The equipment packages are classified for use in non-hazardous zone.

The key safety features outlined within the XQ power modules are: air shut off, spark arrestor, emergency stop, stainless steel braided fuel lines, anti-static drive belts and 'Yellow Alert' rig ESD. Our offshore equipment range also includes transformers, fuel tanks and NORSOK generators.



Offshore generators

Technical information

Model		XQ250 Offshore	XQ500 Offshore	XQ1250 Norsok	XQ1700 Norsok
Frequency	Hz	50 60	50 60	50 60	50 60
Prime power	V	400/230 480/277	400/230 480/277	400/230 480/277	400/230 480/277
Power Capacity ¹	kVA	250 250	500 500	1000 1137	1500 1700
	kW	200 200	400 400	800 910	1200 1360
Output ²	A	360 305	722 605	1445 1369	2167 2047
Breaker 4P	A	400	800	1600	2500
Fuel tank	L	1200	1250	1190	1650
Fuel consumption ³	L/hr	35.2/42.1 41.5/48.9	72.6/91.2 81.3/89.6	162/175 198/210	236/258 269/297
Running time	hr	34 29	17 15	7 6	7 6
Dimensions [LxWxH]	mm	4600x1800x2616	5650x2200x2966	6058x2438x2590	6058x2438x2896
Weight ⁴ without fuel	kg	6210	8875	18140	22500
Weight ⁴ with fuel	kg	7410	9683	19152	24000
Sound level ⁵	dBA ³	66.9 68.9	66.8 68.8	73.9 76.8	85
Remote Monitoring	-	Yes	Yes	Yes	Yes

Details are given for guidance only. Exact equipment may vary according to geographical location and availability.

1. Performance data quoted in accordance with ISO 8528-1
2. Amps 50Hz at 400V, 60Hz at 480V
3. Fuel consumption measured at 75% load. Fuel density is 850 G/L
4. Includes oil and coolant, excludes slings. (including offshore frame on XQ250 and XQ500)
5. Sound levels given at 75% prime power load 50 Hz at 7m, Sound data 60 hz is estimated 2 dBA more than 50 hz based on bare engine data



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Offshore fuel tank specifications

For an efficient operation of our (offshore) generators we offer a range of ancillaries for rent, including efficient and environmentally-safe diesel fuel tanks. Our offshore fuel tank rental solutions are UN compliant and in conformity with IBC environmental regulations.

They allow environmentally safe supply of fuel to Pon Energy Rental equipment where an auxiliary source is required or if the equipment's own internal tank does not allow sufficient

running time. The robust CSC plated, pressure tested containers are equipped with quick release couplings, fork lift pockets on four sides and a lockable, vandal-proof access hatch.

They ensure safe and secure containment of bulk fuel supplies for power generation and temperature control equipment.



Offshore fuel tank

Technical information

Model		Offshore 8000	
Tank size	ltr		7690
Type	-		10 ft. ISO Container
ADR approved	-		Yes
Fuel connection supply	-		3/4"
Fuel connection return	-		3/4"
Bund alarm	-		Visual
Lifting points	-		Yes DNV 2.7-1, EN12079
Forklift pockets	-		Yes
Fuel fill connection	-		2"
Overfill protection	-		Yes
Fuel level indicator	-		Yes
Max. Fuel level	%		95
Lockable	-		Yes
Dimensions [LxWxH]	mm		2991x2438x2438
Weight empty	kg		4400

Details are given for guidance only. Exact equipment may vary according to geographical location and availability.

The majority of our fuel tanks is equipped with fuel level monitoring.

Fuel Level Indicators and Fuel Level Monitoring give only an indication of the current content and may not be seen as accurate values.



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Offshore LV transformer specifications

Our range of low voltage transformer rentals convert 400 to 480 V generator set outputs to a number of LV voltages up to 690 V for distribution. We offer a range of inputs and outputs to ensure you have the right voltage for your application.

You can rent a transformer for everything from small-scale projects to a major plant. Whether compensating for planned or sudden power shutdowns, or for seasonal changes in power demands.

Our transformer rental equipment is also suitable for event power, new construction and extensions and load bank testing.

The modular units are efficient so they have a minimum effect on the environment.



Offshore LV transformers

Technical information

Model		LV 1500 Offshore	LV 2200 Offshore
Voltage primary	V	600/660/690	600/660/690
Current primary	A	1443/1312/1255	2117/1925/1840
Voltage secondary	V	400/440/480	400/440/480
Current secondary	A	2165/1968/1804	3175/2887/2646
Frequency	Hz	50 60	50 60
Vector	-	YNyn0	YNyn0
Cooling	-	ANAN	ANAN
Primary switch	-	1600 A / 4 pole	2500A / 4 pole
Secondary switch	-	2500 A / 4 pole	3200A / 4 pole
Protection	-	Short circuit, overload and earth-fault	short circuit, overload and earth-fault
Signals	-	Fire, gas, smoke, high temperature, earth fault	Fire, Gas, smoke, high temperature, Earth fault
Fire & gas panel	-	Custom built in Eexed enclosure	Custom built in Eexed enclosure
Fire extinguishing system	-	Light foam. AFFF	Inergen
Alarms	-	Gas low, gas high, foam/fire, common alarm, local warning lights	Gas Low, Gas High, Fire, Common Alarm, Local warning lights
Rig signals	-	Short circuit, overload and earth-fault	Short circuit, overload and earth-fault
Space heaters	-	2 ea. 860 W, 230 V, 1~, 50/60 Hz	2 ea. 860 W, 230 V, 1~, 50/60 Hz
Enclosure	ft	10	10
Wall sockets	-	2 ea. CEE 32A (5 pole) for 400/440/480V, 2 ea.CEE 16A (3-pole)	2 ea. CEE 32A (5 pole) for 400/440/480V, 2 ea.CEE 16A (3-pole)
Dimensions [LxWxH]	mm	2981x2438x2735	2981x2438x2735
Weight	kg	8300	9300

Details are given for guidance only. Exact equipment may vary according to geographical location and availability.

* Built according DNV 2.7-1 / EN12079 for Non-hazardous area.



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All electric

Air handler specifications

Our air handler units are reliable – and have capacities of 50 to 200 kW to create a safe, pleasant and productive climate in any environment, from offices and schools to hospitals and laboratories. An air handling unit (AHU) produces cool or warm air when connected to chillers, heat pumps or boilers/hot water systems.

You can rent an air cooler to maintain critical temperatures in telecoms server rooms, keep staff and storage areas cool, or perform process cooling in industry. And they are often used in the events industry to cool or heat tents or temporary locations.

The units are safe to operate, are packaged in a complete assembly and feature environmentally sensitive operation. They are easy to transport, and easy to control. There is maximum and minimum air temperature outlet regulation, and automatic selection between heating and cooling.

Air handlers may also be used for liquid cooling, using the cold outside air (free cooling). For areas that require cooling to below zero, for example for cold storage, a low temperature air handling unit can be placed within the area to be cooled.



Air handlers

Technical information

Model		EAH 50/185	EAH 100/295	EAH 200/585	ELTC 50
Cooling capacity ¹	kW	50	110	110	50 ⁴
Cooling capacity ²	kW	150	295	585	N/A
Power supply	V/Ph/Hz/PE	400/3/50/PE	400/3/50/PE	400/3/50/PE	400/3/50/PE
Power connection	-	CEE 32A (5-pole)	CEE 32A (5-pole)	CEE 32A (5-pole)	CEE 63A (5-pole)
Power consumption	kW	2.6	8.4	16.5	2.5 (27 defrost)
Power protection (fuse)	A	32	32	32	63
Max. Air flow	m ³ /hr	9000	18000	36000	25000
Hydraulic Connections (DIN11851)	DN [mm]	40	50	80	50
Air Inlet (3x) / Outlet (1x) [Ø]	mm / mm	650 / 650	800 / 800	800 / 800	N/A
External static pressure	Pa	300	300	300	N/A
Dimensions [LxWxH]	mm	3000x1200x1900	3500x1200x1900	4000x1200x1200	3010x1200x1200
Weight	kg	975	1150	740	740
Max Sound Pressure @ 10 m	dBA	55	62	64	67 ³

Details are given for guidance only. Exact equipment may vary according to geographical location and availability.

1. At water temperatures 7/12°C and air inlet +30°C/50% RH
2. Heating capacity at water temperatures 85/70°C (mixed with 30% PG) and air inlet +10°C/50% RH
3. Max. Sound Pressure at 5 m
4. At PG 30% temperatures -8/-5°C and air inlet +3°C/85% RH



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Air heater specifications

Our portable, indirect oil or gas (option) fired air heaters produce warm air, suitable for space heating (comfort) or process heating (drying). The warm air can be distributed over long distances by our standard flame retardant air hoses, overhead-ducting, blow-out columns or air plenums, or existing air distribution systems on site. Indirect means: fresh ambient air that is warmed up and distributed into the area, is fully separated from the flue gasses coming out through the chimney.

These heaters use latest technology regarding oil or gas burners, resulting in highest efficiencies within the applicable regulations.

Our air heaters should be installed outdoors. All units have thermostatic room temperature control and an easy-to-use control panel.



Air heaters

Technical information

Model		70	115	175	260	350
Heating capacity ¹	kW	70	110	175	260	350
Power supply	V/Ph/Hz/PE	230/1/50/PE	400/3/50/PE	400/3/50/PE	400/3/50/PE	400/3/50/PE
Power connection	-	Shuko 16A	CEE 32A (5-pole)	CEE 32A (5-pole)	CEE 32A (5-pole)	CEE 32A (5-pole)
Power consumption	kW	0.89	1.60	2.50	5.90	9.20
Power protection (slow fuse)	A	10	10	10	20	25
Air flow	m ³ /hr	4500	7000	10500	15000 ¹	20000 ¹
Max. fuel consumption	L/hr	7.4	12.7	19.0	29.2	38.3
Air Inlet / Outlet [Ø]	mm	(1x) 500 / (1x) 500	(1x) 500 / (1x) 500	(1x) 650 / (1x) 650	(2x) 800 / (1x) 800	(2x) 800 / (1x) 800
Dimensions [LxWxH]	mm	2440x800x1310	2440x800x1310	2440x800x1430	3765x1200x2120	3765x1200x2120
Weight	kg	475	505	540	1645	1700
Max. sound pressure @ 10m	dBA	65	66	67	66	68

Details are given for guidance only. Exact equipment may vary according to geographical location and availability.

1. Air fan is frequency driven



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Air-to-air heat pumps



All electric

Air-to-air heat pump specifications

Our air-to-air heat pumps have a capacity of 50 kW. These units offer an all-electric solution to condition the climate in your (temporary) location.

Their compact design ensures an optimal flexibility with both a heating and cooling function.

The plug & play units work with the greenest refrigerant available in the market right now (R32). They are equipped with automatic controls which can support you with, for example, CO² monitoring and control.

The units can be used both stand alone and modular. They are mounted in a robust steel frame which makes them easy and safe to transport.



Air-to-air heat pumps

Technical information

Model		EAA050HP
Cooling capacity ¹	kW	50.3
Heating capacity ²	kW	46.4
Power Supply (+/- 10%)	V V/Ph/Hz/PE	400/3/50/PE
Power connection	-	CEE 63A (5-pole)
Power protection	A	40
EER cooling	W/W	3.22
SEER cooling	W/W	5.36
COP heating	W/W	3.60
SCOP heating	W/W	3.60
Air hose connection supply air	mm	800
Air hose connection re-circulation air	mm	800
Air flow	m ³ /hr	9000
Remote monitoring	-	Yes
Max. Starting current	A	11.4
Lowest ambient temp. Cooling	°C	-10
Lowest ambient temp. Heating	°C	-15
Forklift pockets	-	All 4 sides
Recommended Pon Energy Rental genset size	kVA	30
Transport frame dimensions [LxWxH]	mm	2991x2438x2549
Full operational weight	kg	2275
Sound pressure @ 10 m	dBA	49

Details are given for guidance only. Exact equipment may vary according to geographical location and availability.

1. Cooling capacity based on mixed air: 70% return air 27°C / RH 50% and 30% ambient air 35°C / RH 50%
2. Heating capacity based on mixed air: 70% return air 20°C / RH 50% and 30% ambient air 7°C / RH 87%



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Heat pump specifications



All electric

Our heat pump rental solutions are stand-alone, closed packaged systems. They can supply hot and cold water that is transported through flexible high-pressure hoses to distribution devices.

All our units have a standard design to make assembly, disassembly, installation and maintenance quick and easy. They are easy to transport with a forklift or a crane. They are delivered complete with all the ancillaries and fittings you'll need – like electric cables and water hoses.



Heat pumps

Technical information

Model		HP110	HP300
Cooling capacity ¹ (+30 Ambient)	kW	108	304
Heating capacity ²	kW	110	325
Heating boost capacity (at -10°C ambient temp)	kW	74	255
Built-in pump	-	Yes	Yes
Power supply (+/- 10%)	V/Ph/Hz/PE	400/3/50/PE	400/3/50/PE
Power connection	-	CE125A/5-pole	M12
Power consumption cool-mode (at +30 ambient, excl. pump)	kW	33	102
Power consumption heat-mode ²	kW	34	108
Pump power (Max.)	kW	5.5	18.5
Power protection (slow blow fuse)	A	100	400
EER (Cooling, excl. pump) ¹	-	2.81	2.64
COP (Heating, excl. pump) ²	-	3.24	3.01
Hydraulic Connections (DIN11851)	-	80	100
Max. Starting current	A	267	10
Fluid temperature range cooling	°C	-10 / +15	-10 / +15
Fluid temperature range heating	°C	+25 / +50	+35 / +55
Lowest ambient temperature	°C	-18	-18
Forklift pockets	-	Yes	Yes
Recommended Pon Energy Rental genset size	kVA	135	250
Dimensions [LxWxH]	mm	3000x1235x2170	4336x2438x2591
Full operational weight	kg	1895	6280
Sound pressure @ 10 m	dBA	55	63

Details are given for guidance only. Exact equipment may vary according to geographical location and availability.

1. Cooling capacity based on 12/7°C water temperature | +30°C air ambient
2. Heating capacity based on 40/45°C water temperature | +7°C air ambient

The majority of our rental solutions is equipped with remote monitoring.



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Hot water system specifications

Our hot water systems deliver hot water at temperatures up to 90°C for spaces and industrial process heating. These are quiet, high efficiency units with easy control and low emissions. Often combined as a package with air handlers and fan coils, they connect to flexible hoses for remote heating.

Units can be oil or gas powered, with heating capacities ranging from 100 kW to 550 kW using variable speed drive for extra efficient operation. Accessories include gas burners, air handlers, plate heat exchangers, and thermostatic control.

All our units have a standard design to make assembly, disassembly, installation and maintenance quick and easy. They are easy to transport with a forklift or a crane. They of course come complete with all the ancillaries and fittings you'll need.



Hot water systems

Technical information

Model		HWS100	HWS215	HWS340	HWS380	HWS550	HWS600
Heating capacity ¹	kW	100	215	340	350	550	560
Power supply	*	400/3/50/PE+N	400/3/50/PE+N	400/3/50/PE+N	400/3/50/PE	400/3/50/PE+N	400/3/50/PE
Power connection	-	CEE 32A (5-pole)	CEE 32A (5-pole)	CEE 32A (5-pole)	CEE 32A (5-pole)	CEE 32A (5-pole)	CEE 32A (5-pole)
Max Power Consumption (incl. pump)	kW	2	3	5	8	13	10.5
Power protection (slow fuse)	A	16	16	16	16	25	25
Fuel consumption ²	L/hr	10.7	23	36.4	37.9	58.9	59.8
Hydraulic connections (DIN 11851)	DN [mm]	40	50	50	50	80	80
Max. operating pressure	bar	4	4	4	10	4	4
Pump speed	-	Fixed	Fixed	Fixed	Variable	Variable	Variable
Plate heat exchanger ⁵	-	Optional	Optional	Optional	Integrated ⁴	Optional	Integrated ⁴
Forklift pockets / Lifting points	-	Yes / No	Yes / No	Yes / No	Yes / Yes	Yes / No	Yes / Yes
Dimensions [LxWxH]	mm	2650x1200x1850	3500x1200x2100	4500x1200x2100	4500x1200x2240	4500x1200x2200	2991 ³ x2438x2591
Weight	kg	1450	2750	3350	3270 ⁶	3900	4350
Max. Sound pressure @ 10 m	dBA	58	60	65	65	66	65

*Vac/Ph/Hz/PE+N

Details are given for guidance only. Exact equipment may vary according to geographical location and availability.

1. At average boiler water temperatures of 60°C inlet and 80°C outlet
2. Fuel consumption based on maximum capacity
3. Transport length With chimney installed L=3491
4. Including integrated controls for stable wide range of water outlet temperatures
5. Boiler circuit and customer circuit fully hydraulic separated
6. Including lifting frame

The majority of our rental solutions is equipped with remote monitoring.



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Air-to-air coolers



All electric

Air cooler specifications

Our air-to-air cooler units produce cold air which is transported through flexible air hoses and distributed by air plenums or air ducting. The air is circulated or re-circulated, filtered, cooled and refreshed with outside air. Our units have cooling capacities of 50 kW to 100 kW.

The units are safe to operate, are packaged in a complete assembly and feature environmentally sensitive operation. Air coolers or air conditioners may be used to maintain critical temperatures in telecoms server rooms, keep staff and storage areas cool, or perform process cooling in industry. And they can keep tents or temporary locations cool in warm climates.



Air-to-air coolers

Technical information

Model		A2AC50	A2AC100
Cooling capacity ¹	kW	55	110
Cooling capacity ²	kW	53	106
Power supply	V/Ph/Hz/PE	400/3/50/PE	400/3/50/PE
Power connection	CEE (5-pole)	63 A	125 A
Power consumption ³	kW	27.2	44.3
Power protection (fuse)	A	63	125
Max. Air flow	m ³ /hr	12000	23000
Air inlet / outlet [Ø]	mm / mm	800 / 800	800 / 800
Dimensions [LxWxH]	mm	4000x1200x2200	4500x1200x2200
Weight	kg	2350	2850
Max. Sound pressure @ 10 m	dBA	56	58

Details are given for guidance only. Exact equipment may vary according to geographical location and availability.

1. At ambient +30°C and air intake +31°C
2. At ambient +35°C and air intake +31°C



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All electric

Chiller specifications

Our contained, packaged chiller rental solutions provide chilled liquid for process cooling or temperature control. The units transport cold fluid through flexible hoses to distribution devices. We have an extensive range of air and water cooled chiller hire solutions available for rent.

The units are quiet, easy to operate and equipped with a remote monitoring system. Our chiller hire equipment can easily be combined with air handlers and fan coils for optimum cooling solutions.



Technical information

Model		EC50	EC100	EC250	EC550	EC800
Cooling capacity ¹ (+30 Ambient)	kW	56	105	258	541	842
Built-in pump	-	Yes	Yes	Yes	Yes	Yes
Power supply	V/Ph/Hz/PE	400/3/50/PE	400/3/50/PE	400/3/50/PE	400/3/50-60/PE	400/3/50-60/PE
Power connection	-	CEE 63A (5-pole)	CEE 125A (5-pole)	M12	M12	M12
Power consumption (at +30 ambient, excl. pump)	kW	17.9	30.1	71.5	146	230
Pump power (Max.)	kW	3	5.5	11	18.5	18.5
EER (excl. pump) ¹ (at +30 ambient)	-	13.3	3.49	3.61	3.70	3.66
Power protection (fuse)	A	63	125	250	400	630
Hydraulic connections (DIN11851)	DN [mm]	50	50	80	100	2x100
Max. Starting current	A	64	17	24	3	0
Fluid temperature range cooling	°C	-5 / +12	-10 / +12	-12 / +12	-12 / +15	-12 / +15
Dimensions [LxWxH]	mm	2275x1200x2020	3240x1200x2110	2991x2438x2438	6058x2438x2720	7090x2438x2720
Full operational weight	kg	1340	1895	3560	7900	9150
Forklift pockets	-	Yes	Yes	Yes	Yes	Yes
Max. Sound pressure @ 10 m	dBA	48	52	64	60	67
Recommended Pon Energy Rental genset size	kVA	135	135	135	250	500 (350)

Details are given for guidance only. Exact equipment may vary according to geographical location and availability.

1. Cooling capacity based on 12/7°C water temperature | +30°C air ambient

The majority of our rental solutions is equipped with remote monitoring.



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Cooling tower specifications



All electric

Our cooling towers have a design capacity of approx. 2MW. The units are used to cool down your process water within a wide range of water and ambient air temperatures.

Cooling towers use the principle of ambient air to cool down the process water. With a minimum use of power and a high cooling capacity it is a cost and energy efficient solution.

The units are easy to transport and install and can operate stand-alone, modular and/or in combination with an external pump. If required, the units can be placed on a platform for easy access and safe operation.

We value people's safety. To eliminate risks, a legionella prevention plan and water treatment plan need to be in place before start of the project.



Cooling towers

Technical information

Model		CT 2000
Cooling capacity ¹	kW	541
Built-in pump	-	Yes
Power supply	V/Ph/Hz/PE	400/3/50-60/PE
Power connection	-	M12
Power consumption (at +30 ambient, excl. pump)	kW	146
Pump power (Max.)	kW	18.5
EER (excl. pump)	-	3.70
Power protection (fuse)	A	400
Hydraulic connections (DIN11851)	DN [mm]	100
Max. Starting current	A	0
Fluid temperature range	°C	-12 / +15
Forklift pockets	-	Yes
Recommended Pon Energy Rental genset size	kVA	250
Dimensions [LxWxH]	mm	6058x2438x2720
Full operational weight	kg	7350
Max. Sound pressure @ 10 m	dBA	59

Details are given for guidance only. Exact equipment may vary according to geographical location and availability.

1. Fluid Flow Rate: 320 m³/h, Entering Fluid Temp: 34°C, Leaving Fluid Temp: 29°C, Entering Air Wet Bulb Temp: 21°C

The majority of our rental solutions is equipped with remote monitoring.



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