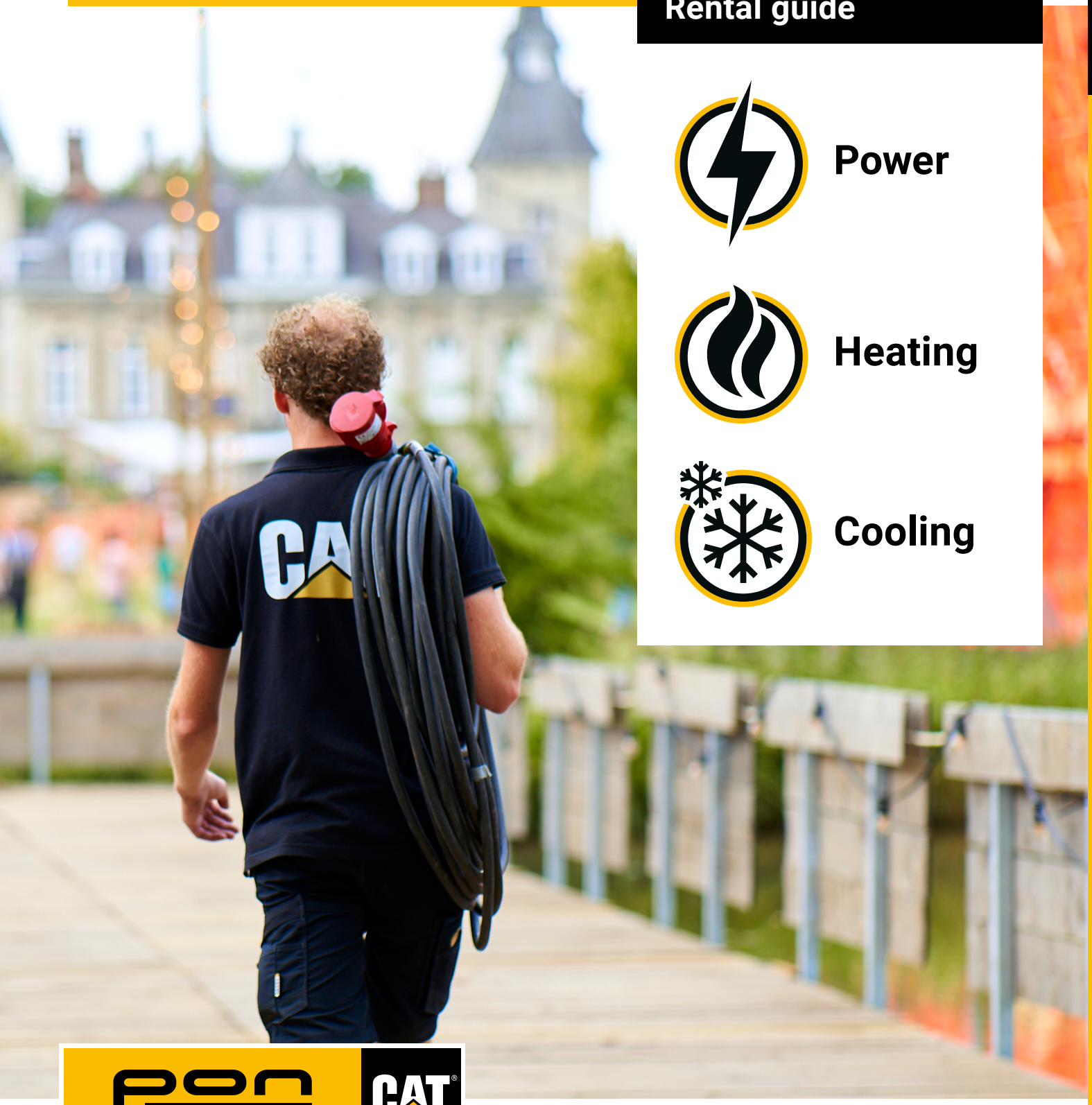
# Let's power your business

Pon Energy Rental

## Rental guide

- Power
- Heating
- Cooling



PON ENERGY RENTAL

CAT®

# About Pon Energy Rental

Powered by Caterpillar

Pon Energy Rental is an internationally operating company that offers rental solutions in power and temperature control. We are part of Pon, a leading family-owned multinational headquartered in The Netherlands with over 15.500 employees.

We provide customized power supply and temperature control solutions for a wide range of industries with temporary energy needs. We are passionate about what we do and strive to offer the highest quality in our solutions and services.

## How we work

Every project is unique and we give it our full attention. This is why we sit down with you to understand the specific needs of your project and industry. Our specialists then come up with a proposal that specifically addresses your requirements and wishes. If required, we'll schedule a meeting and a site visit to obtain a clear picture of your needs and situation.

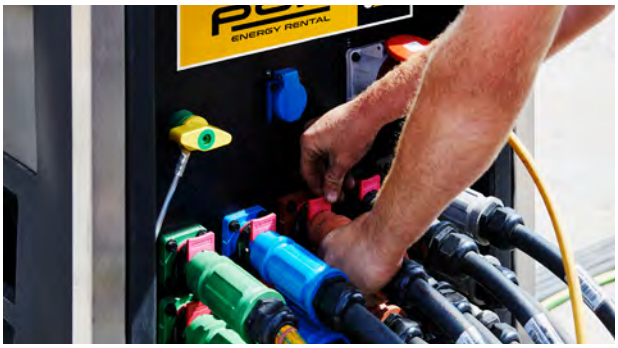
We have a hands-on mentality when it comes to bringing a project to successful completion. We go the extra mile to make it work.

## Content

# 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 refridgeration

**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

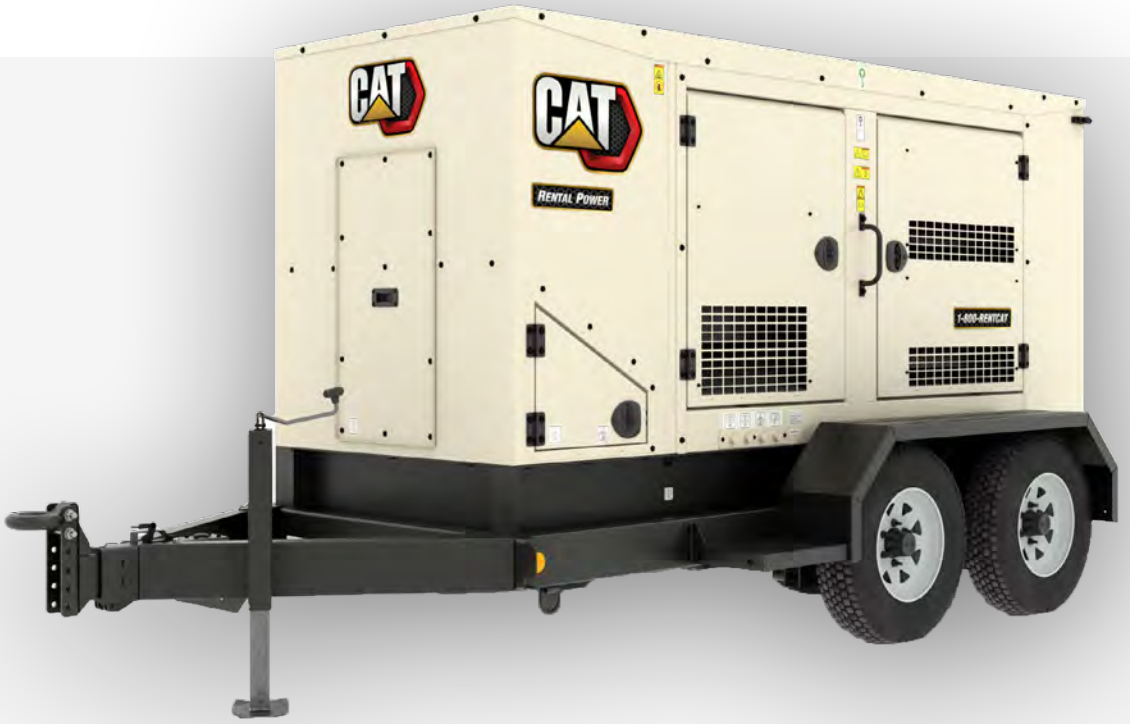
## Quality and safety

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.

LRQA CERTIFIED ISO 9001

LRQA CERTIFIED ISO 14001

LRQA CERTIFIED ISO 45001




# 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 consumtion[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

**We're here to help**

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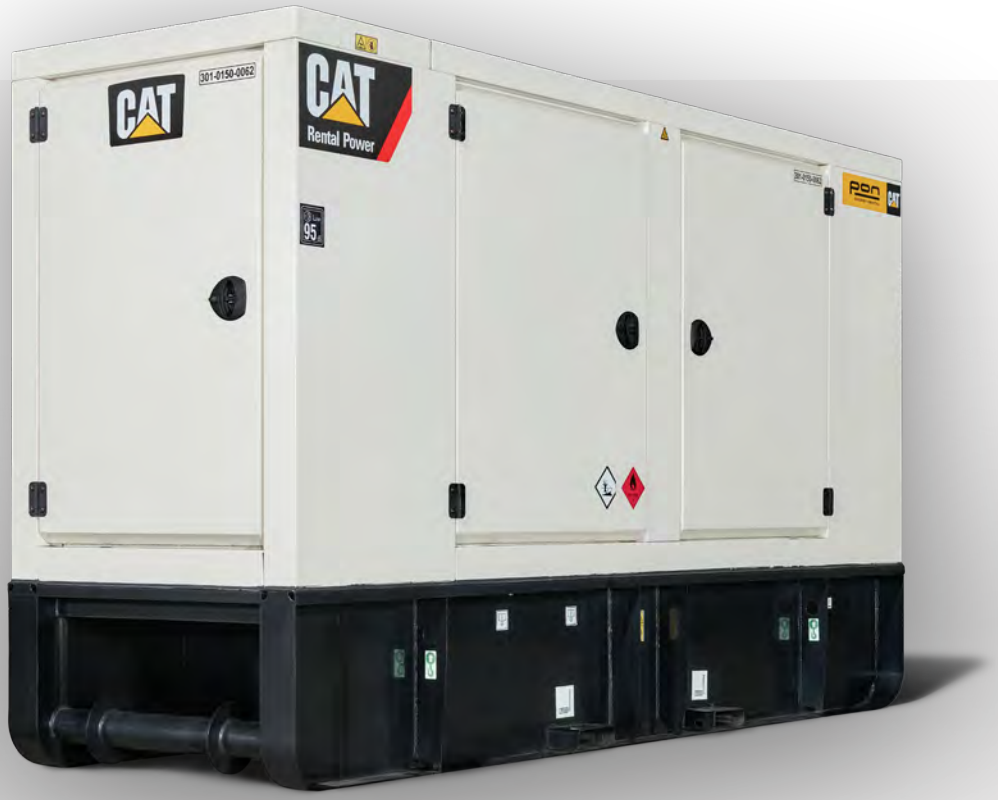


# Power generator specifications

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 consumtion[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**

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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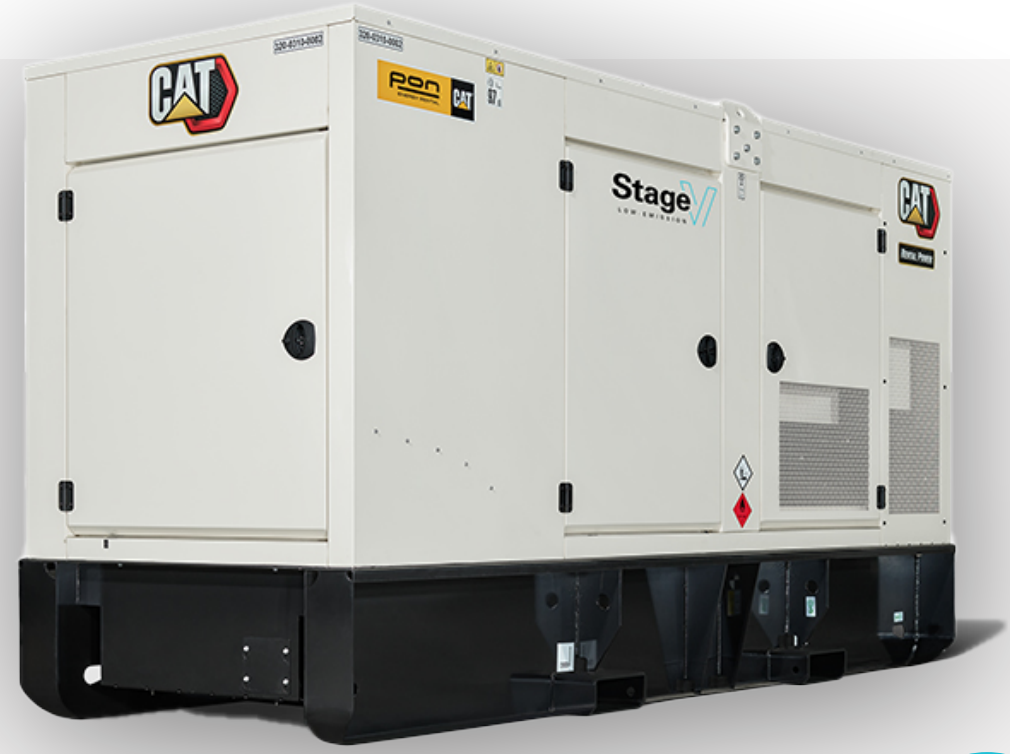


**EU5 certified**

# 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.

**Generators** EU5 certified

# 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 | 794 \| 707 |
| Breaker 4P | A | 200 | 400 | 630 | 1250 |
| Fuel tank | L | 518 | 822 | 667 | 1125 |
| AdBLue tank | L | 28 | 32 | 65.6 | 92 |
| Fuel consumtion[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 Monotoring | - | 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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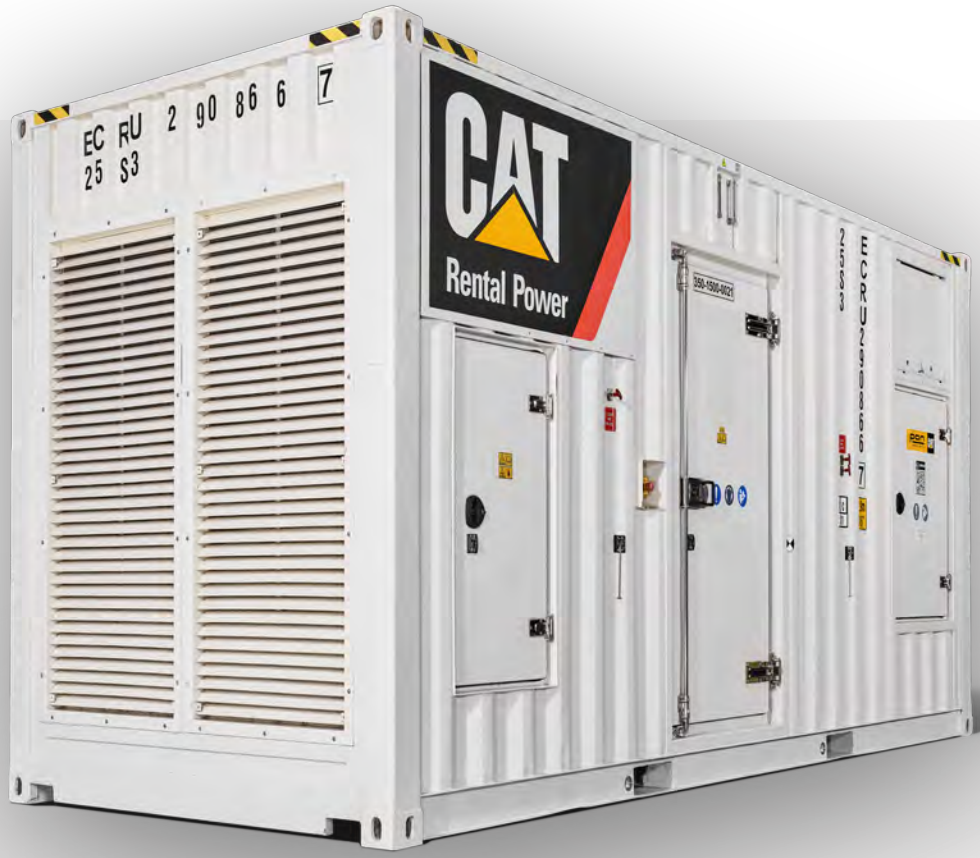


# Power generator specifications

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 consumtion[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 Monotoring | - | 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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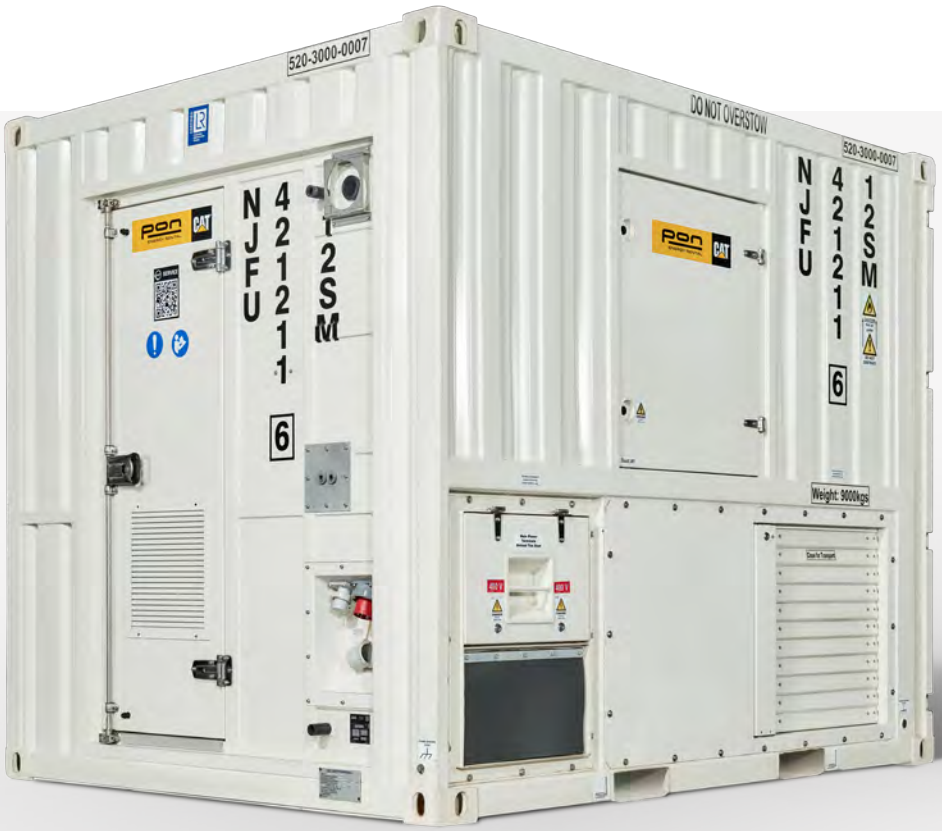


# Load bank specifications

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 200 | LB 1000 | LB 1266 | LB 1500 |
|---|---|---|---|---|---|
| Type | - | Resistive | Resistive | Resistive | Resistive / Inductive |
| Power capacity[1] | kVA | - | 1000 | 1266 (450V) | 1042 |
| Power capacity[2] | kW | 200 | 1000 | 1266 (450V) | 833 |
| Aux supply | V | 230, singe phase, 16A | 400 50Hz, 440 60Hz | 400 50Hz, 440 60Hz | 400 50Hz, 440 60Hz |
| Power factor | - | 1 | 1 | 1 | 0.1-1.0 |
| External fan & control supply | - | - | 5 pole 32 Amp CEE | 5 pole 32 Amp CEE | 5 pole 32 Amp CEE |
| Airflow | - | Horizontal | Horizontal | Horizontal | Vertical |
| Enclosure | - | Mounted on wheels | Fork base | Fork base | Fork base |
| Connection points | - | PL*, 400A, single pole | M12 | M12 (opt. powerlocks) | M12 |
| Dimensions [LxWxH] | mm | 1137x870x903 | 2340x1540x2075 | 2340 x 1540 x 2075 | 3050x1852x2460 |
| Weight | kg | 300 | 1420 | 1420 | 5150 |
| Forklift pockets | - | Yes | Yes | Yes | Yes |
| Max. Sound level[3] | dBA | 69 | 73 | 73 | 79 |

| Model | | LB 2000 | LB 3000 | LB 6000 | LB 6000-690 |
|---|---|---|---|---|---|
| Type | - | Resistive / Inductive | Resistive / Inductive | Resistive / Inductive | Resistive / Inductive |
| Power capacity[1] | kVA | 1389 | 2292 | 5000 | 6250[4] |
| Power capacity[2] | kW | 1111 | 1833 | 4000 | 5000[5] |
| Aux supply | V | 400 50Hz, 440 60Hz | 400 50Hz, 440 60Hz | 400 50Hz, 440 60Hz | 380-420 50Hz, 440-480 60Hz |
| Power factor | - | 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 63 Amp CEE | 5 pole 125 Amp CEE | 5 pole 125 Amp CEE |
| Airflow | - | Vertical | Vertical | Vertical | Vertical |
| Enclosure | - | Fork base | ISO 10ft | ISO 20ft | ISO 20 ft |
| Connection points | - | M12 | M12 | M12 | 12xM12 |
| Dimensions [LxWxH] | mm | 3040x1958x2530 | 2991x2438x2591 | 6058x2438x2591 | 6058x2438x2591 |
| Weight | kg | 5200 | 9000 | 17000 | 16500 |
| Forklift pockets | - | Yes | Yes | Yes | Yes |
| Max. Sound level[3] | dBA | 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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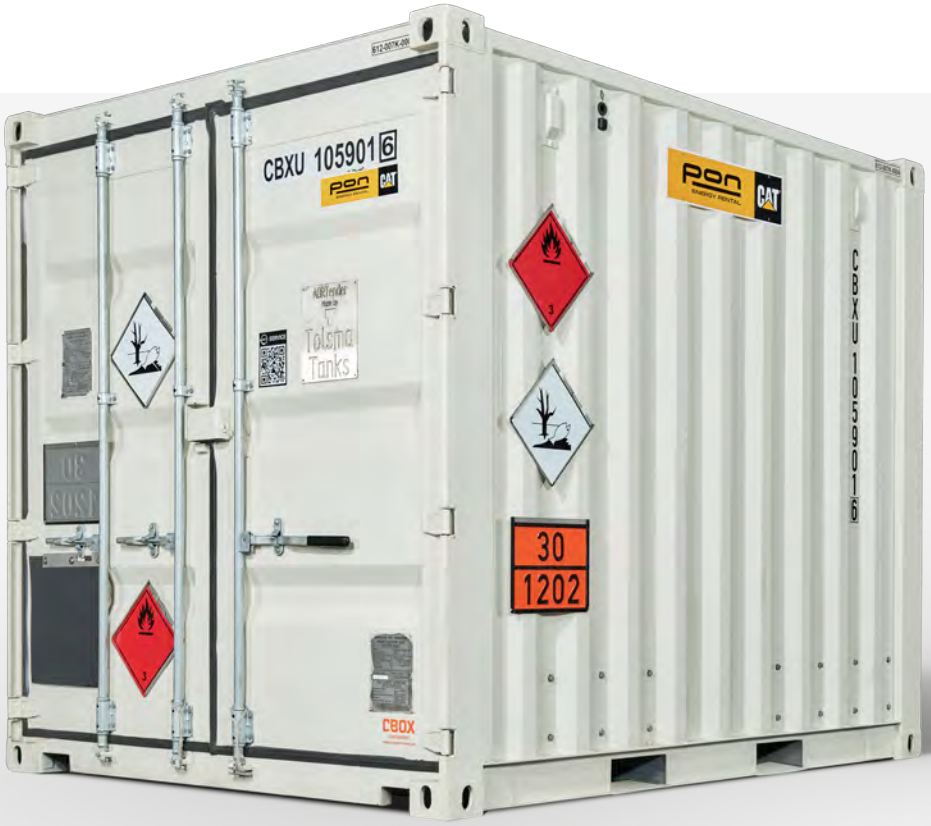



# Fuel tank specifications

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 |

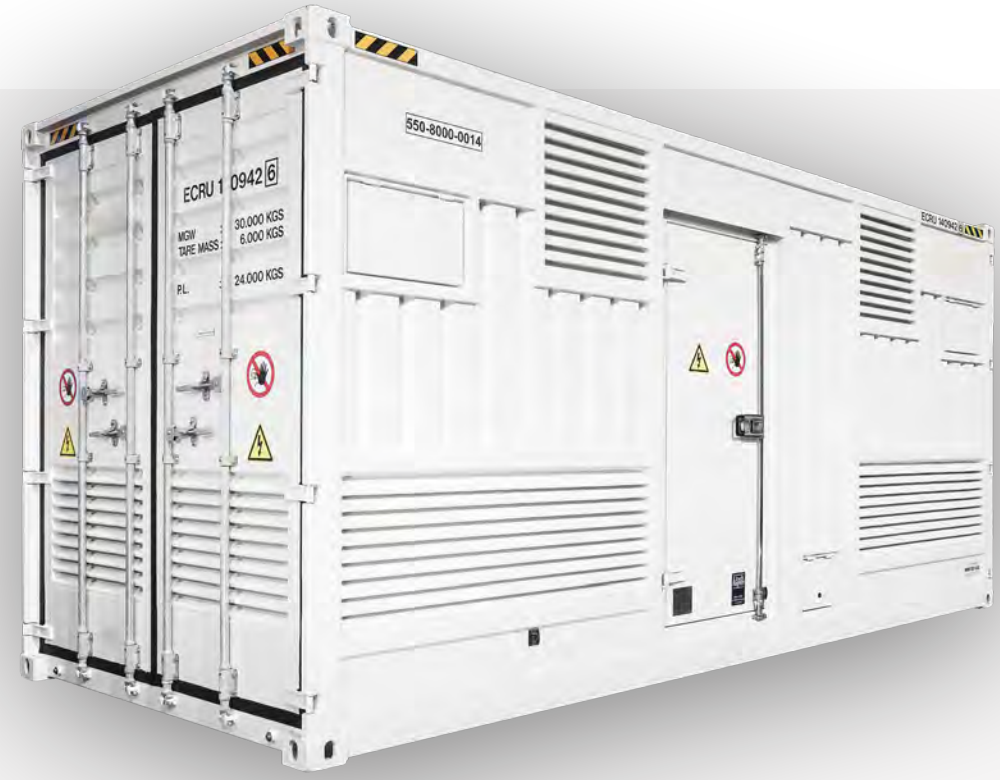
| Model | | AB 1000 | AB 3000 |
|---|---|---|---|
| Tank size / capacity fuel | ltr | 1000 | 3000 |
| Tank size / capacity AdBlue | ltr | 200 | 360 |
| Type | - | Road tow | Fuel box 3000 |
| Fuel connections 3/8" | - | * | 2 |
| Fuel connections 3/4" | - | * | 2 |
| Fuel connections 1" | - | * | 1 |
| AdBlue connections 3/8" | - | * | 2 |
| Bund alarm | - | No | No |
| AdBlue heater connection | - | 230V 1ph CEE | 230V 1ph CEE |
| Dipstick | - | No | No |
| Forklift pockets | - | Yes | Yes |
| Fuel fill connection | - | * | 3" |
| AdBlue fill connection | - | * | 3" |
| Overfill connection | - | Yes | Yes |
| Lockable | - | Yes | Yes |
| Dimensions [LxWxH] | mm | 3214x1730x1550 | 2550x1560x1290 |
| Weight empty | kg | 970 | 1022 |

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

The majority of our fuel tanks are 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.

*AB 1000 has a built-in AdBlue pump and a water- and particle filter in addition to a filler hose and fuel gun.

## We're here to help




# 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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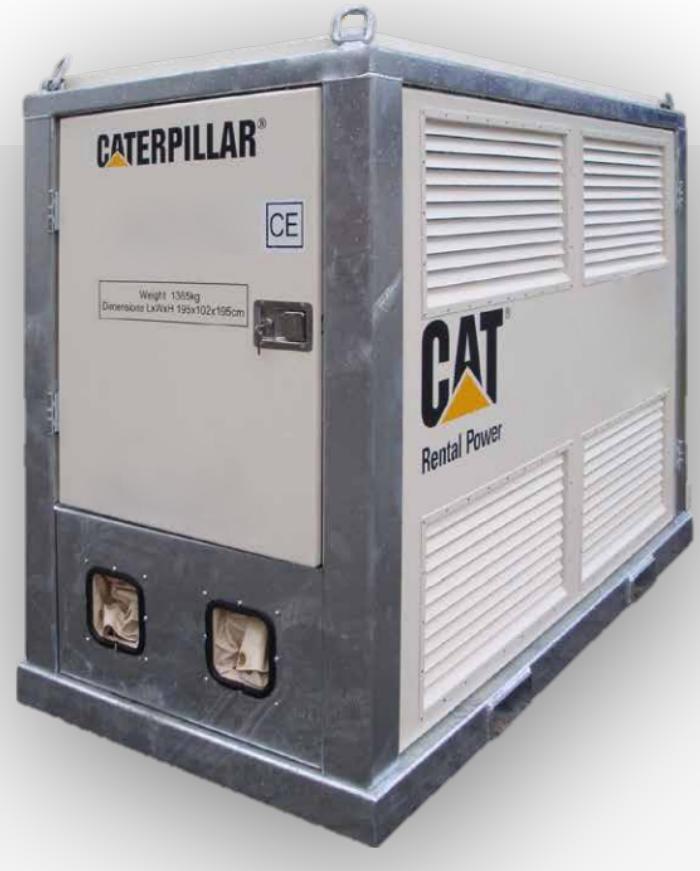


# LV transformer specifications

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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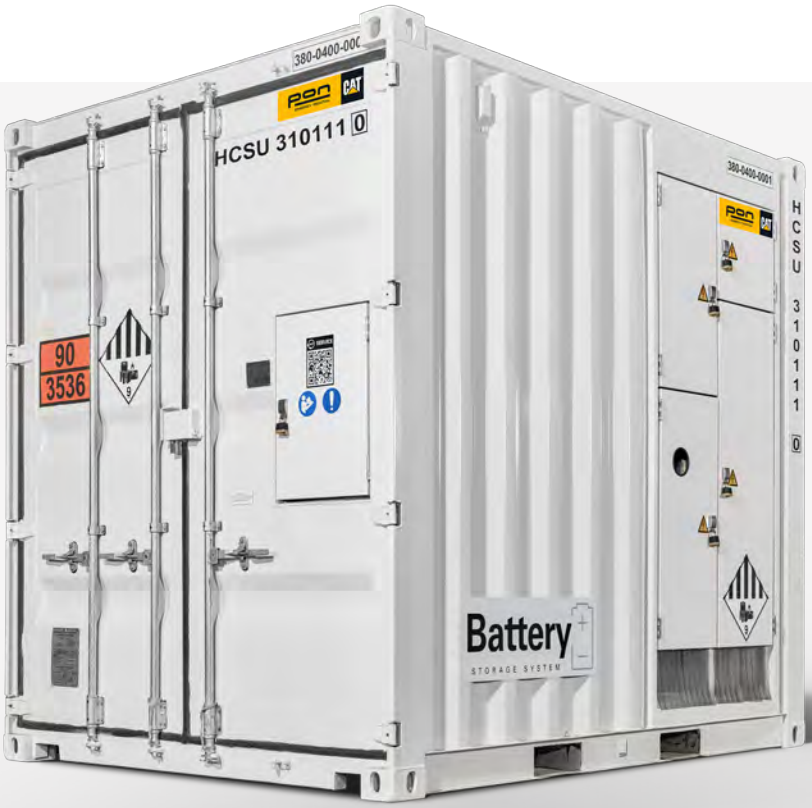
**Mobile batteries**




**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 sutiable 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

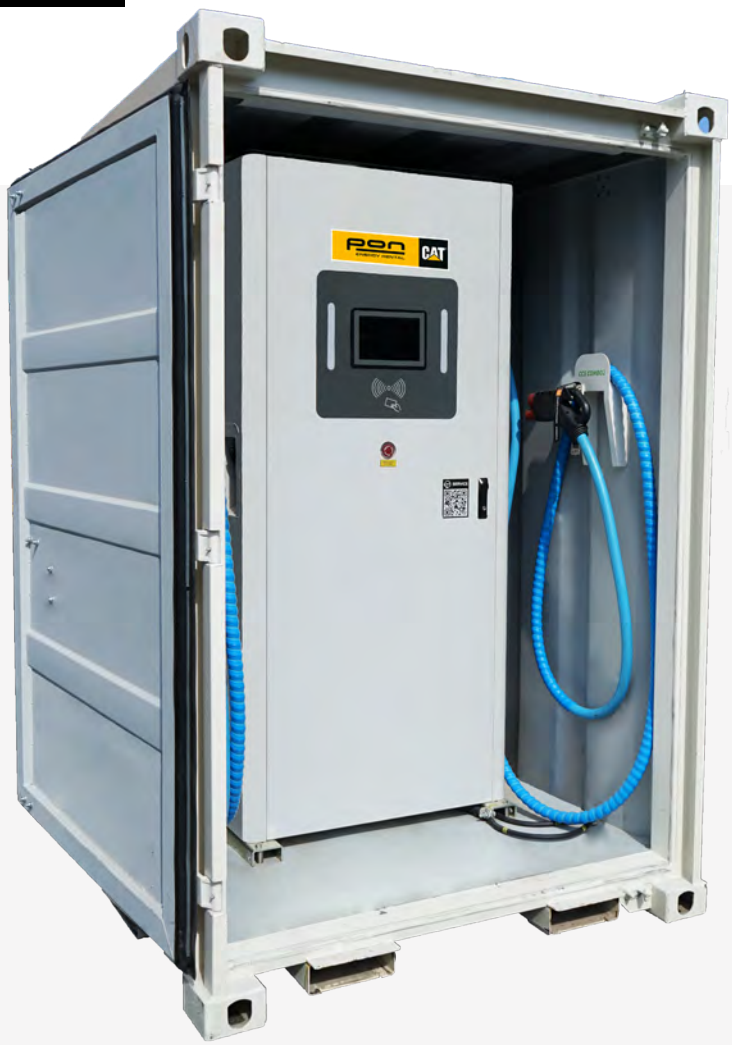
| Model | | BQ-S 400 |
|---|---|---|
| Standby connection | VAC/Hz/A | 380-420, 50-60, 63-125, IT/TN |
| Charge connection - CEE | VAC/Hz/A | 380-420, 50-60, 63-325, IT/TN |
| Charge connection - power lock | VAC/Hz/A | 380-440, 50-60, 200, IT/TN |
| Charge/discharge connection - power lock | V/Hz | 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

**We're here to help**

**Mobile fast chargers**




**Electric charging**

# Fast charger specifications

Our new mobile charging stations are specifically designed to optimize charging solutions in the industrial and construction sector. Our mobile EV chargers are a groundbreaking solution that combines mobility, fast charging and intelligent features, making them an essential asset for any industrial facility with a total power output of 360kW.

Designed to meet the needs of industrial environments, our mobile charging stations are equipped with durable and robust industrial-grade components. Whether in production facilities, warehouses, distribution centers or construction sites, our chargers ensure seamless integration into your operational setup and provide a hassle-free charging experience.

We know how important time efficiency is in industrial operations, which is why our mobile EV chargers are equipped with advanced technology for fast charging. With this charging station, you can charge 2 devices simultaneously for a more efficient workday.

Don’t let an outdated charging infrastructure stand in the way of sustainable development - harness the energy of our mobile fast chargers and take your industry into an environmentally friendly future.

**Mobile fast chargers**

# Technical information

| Model | | CQ-XS 360 |
|---|---|---|
| Connection | VAC/Hz | 380-480, 50-60, 3P+N+PE |
| Output connection - CCS2 | kW | 1x360 or 2x180 |
| Output voltage | Vdc | 150-1000 |
| Cooling | - | Liquid cooled plugs (air/liquid) |
| Cable length CCS2 | m | 5 |
| Dimensions [LxWxH] | mm | 2200x1600x2260 |
| Weight | kg | <1000 |
| IP degree | - | 56 |
| Ambient conditions | °C | -25 to +45 |
| Cooling concept | - | Air cooled |
| Communication | - | Open charge point protocol 1.6 |
| Remote connection | - | Ethernet/wifi or 4G |

**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
FLAGGMANN
E22-601

# 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

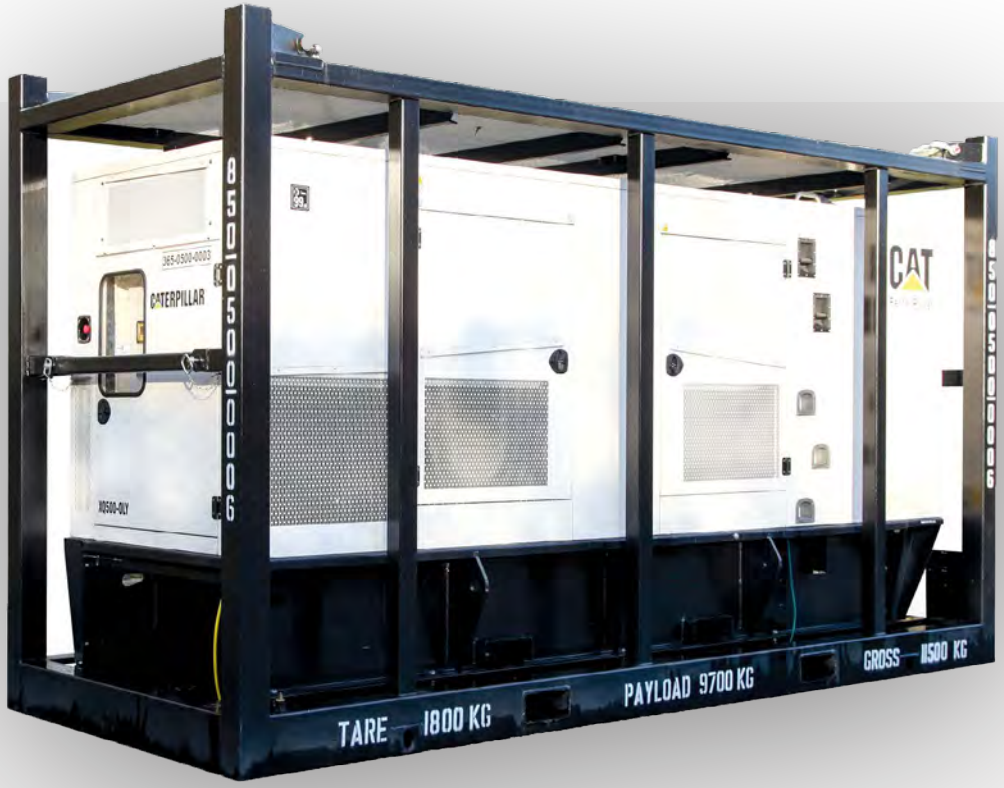
## Power

- 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 | GU750 Zone II Norsok | XQ1250 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 | 600 \| 750 | 1000 \| 1137 |
| | kW | 200 \| 200 | 400 \| 400 | 480 \| 600 | 800 \| 910 |
| Output[2] | A | 360 \| 305 | 722 \| 605 | 866 \| 902 | 1445 \| 1369 |
| Breaker 4P | A | 400 | 800 | 1000 | 1600 |
| Fuel tank | L | 1200 | 1250 | 720 | 1190 |
| Fuel consumtion[3] | L/hr | 35.2/42.1 \| 41.5/48.9 | 72.6/91.2 \| 81.3/89.6 | 140/155 \| 177/193 | 162/175 \| 198/210 |
| Running time | hr | 34 \| 29 | 17 \| 15 | 5.2/4.7 \| 4.1/3.8 | 7 \| 6 |
| Dimensions [LxWxH] | mm | 4600x1800x2616 | 5650x2200x2966 | 6058x2438x3057 | 6058x2438x2590 |
| Weight[4] without fuel | kg | 6210 | 8875 | 18500 | 18140 |
| Weight[4] with fuel | kg | 7410 | 9683 | 19900 | 19152 |
| Sound level[5] | dBA[3] | 66.9 \| 68.9 | 66.8 \| 68.8 | 83 | 73.9 \| 76.8 |
| Remote Monotoring | - | Yes | Yes | No | Yes |

| Model | | QAC1450 TwinPower Norsok | XQ1700 Norsok |
|---|---|---|---|
| Frequency | Hz | 50 \| 60 | 50 \| 60 |
| Prime power | V | 400/230 \| 480/277 | 400/230 \| 480/277 |
| Power Capacity[1] | kVA | 1364 \| 1450 | 1500 \| 1700 |
| | kW | 1091 \| 1160 | 1200 \| 1360 |
| Output[2] | A | 1970 \| 1744 | 2167 \| 2047 |
| Breaker 4P | A | 2x1250 | 2500 |
| Fuel tank | L | 2x793 | 1650 |
| Fuel consumtion[3] | L/hr | 189.1 \| 207.6 | 236/258 \| 269/297 |
| Running time | hr | 8 \| 7.5 | 7 \| 6 |
| Dimensions [LxWxH] | mm | 6058x2438x2900 | 6058x2438x2896 |
| Weight[4] without fuel | kg | 18200 | 22500 |
| Weight[4] with fuel | kg | 19700 | 24000 |
| Sound level[5] | dBA[3] | 73 \| 76 | 85 |
| Remote Monotoring | - | Yes | Yes |

**NEW FLEET**

We have Zone II approved and TwinPower generators in our fleet, contact us for more information.

**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 then 50 hz based on bare engine data

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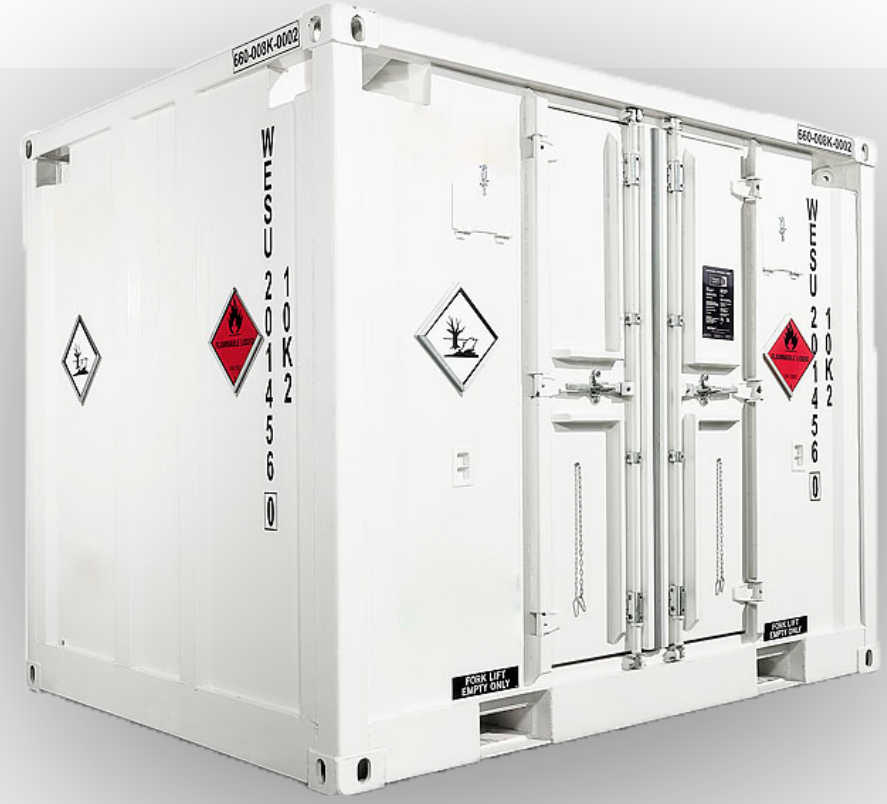


# Offshore fuel tank specifications

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 tanks 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 tanks

# Technical information

| Model | | Offshore 7000 | Offshore 8000 |
|---|---|---|---|
| Tank size | ltr | 7300 | 7690 |
| Type | - | 10 ft. ISO Container | 10 ft. ISO Container |
| ADR approved | - | ADR/Kiwa and Vlarem | Yes |
| Fuel connection supply | - | 3 x 3/4” | 3/4” |
| Fuel connection return | - | 3/4” | 3/4” |
| Bund alarm | - | Visual | Visual |
| Lifting points | - | Yes DNV 2.7-1, EN12079 + certified DNV slingset | Yes DNV 2.7-1, EN12079 |
| Forklift pockets | - | Yes | Yes |
| Fuel fill connection | - | 2” dry break coupling tank unit | 2” |
| Overfill protection | - | Yes | Yes |
| Fuel level indicator | - | Manual + digital level indicator | Yes |
| Max. Fuel level | % | 95 | 95 |
| Lockable | - | Yes | Yes |
| Dimensions [LxWxH] | mm | 2991x2438x2591 | 2991x2438x2438 |
| Weight empty | kg | 4400 | 4400 |

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

The majority of our fuel tanks are equipped with fuel level monitoring.
Fuel Level Indicators and Fuel Level Monitoring only gives an indication of the current content and may not be seen as accurate values.

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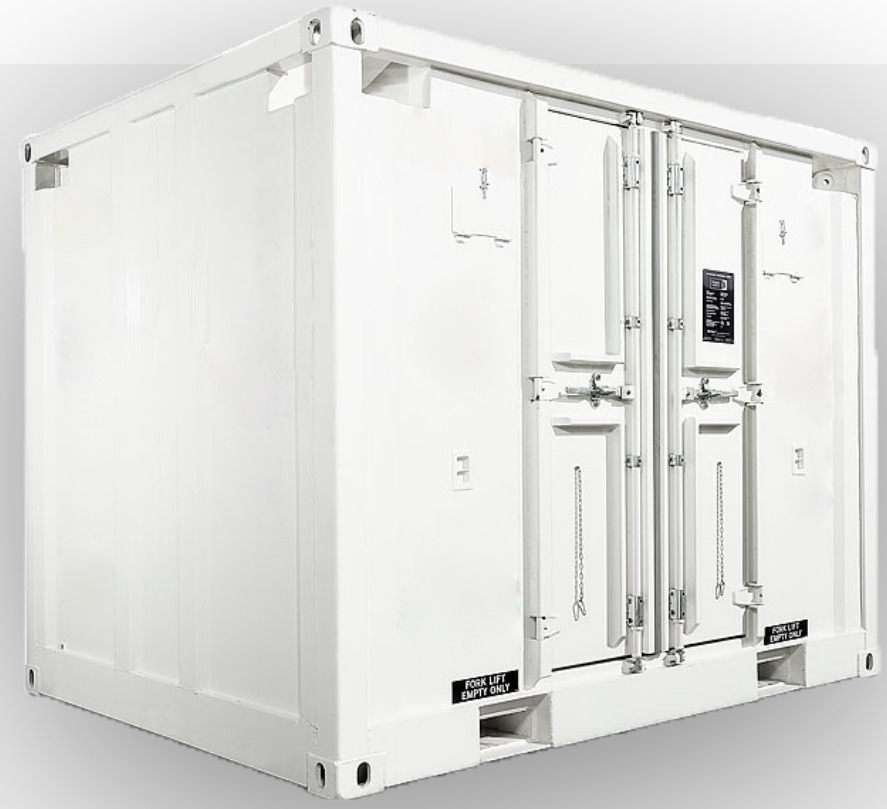


# Offshore LV transformer specifications

Our range of low voltage transformer rentals convert 400 to 480 V generator set outputs to a number of LV voltages up tp 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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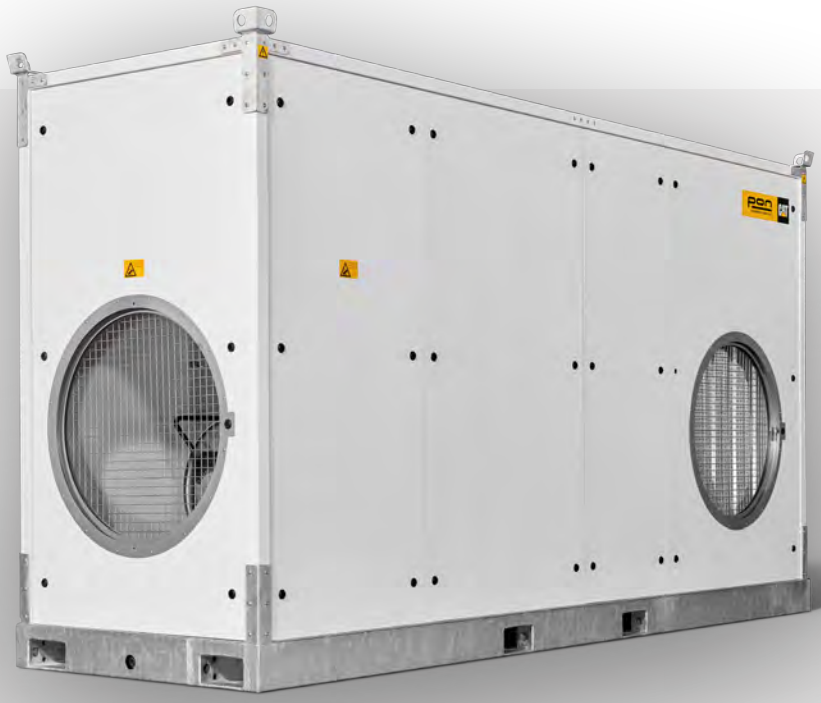


All electric

# Air handler specifications

Our air handler units are reliable – and have capacities of 20 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 20/40 Pearl | EAH 50/185 | EAH 100/295 | EAH 200/460 * | EAH 200/585 |
|---|---|---|---|---|---|---|
| Cooling capacity[1] | kW | 20 | 50 | 100 | 200[5] | 200 |
| Heating capacity[2] | kW | 40 | 185 | 295 | 460[6] | 585 |
| Power supply | V/Ph/Hz/PE | 230V/1Ph/50Hz/PE | 400/3/50/PE | 400/3/50/PE | 400/3/50/PE | 400/3/50/PE |
| Power connection | - | Schuko CEE 7/7 | CEE 32A (5-pole) | CEE 32A (5-pole) | CEE 32A (5-pole) | CEE 32A (5-pole) |
| Power consumption | kW | 0.38 | 2.6 | 8.4 | 5.5 | 16.5 |
| Power protection (fuse) | A | 10 | 32 | 32 | 16 | 32 |
| Max. Air flow | m³/hr | 2100 | 9000 | 18000 | 16500 | 36000 |
| Hydraulic connections (DIN11851) | DN [mm] | 25 | 40 | 50 | 80 | 80 |
| Air Inlet / Outlet [Ø] | mm / mm | N/A | (3x) 650 / (1x) 650 | (3x) 800 / (1x) 800 | (2x) 800 / (1x) 800 | (3x) 800 / (1x) 800 |
| External static pressure | Pa | 0 | 300 | 300 | 300 | 300 |
| Remote monitoring | - | No | No | No | Yes | No |
| Dimensions [LxWxH] | mm | 620x390x1935 | 3000x1200x1900 | 3500x1200x1900 | 4000x1200x2200 | 4000x1200x2400 |
| Weight | kg | 84 | 975 | 1150 | 1800 | 1580 |
| Max. Sound pressure @ 10 m | dBA | 51[3] | 55 | 62 | 55 | 64 |

| Model | | ELTC 50 |
|---|---|---|
| Cooling capacity | kW | 50[4] |
| Heating capacity | kW | N/A |
| Power supply | V/Ph/Hz/PE | 400/3/50/PE |
| Power connection | - | CEE 63A (5-pole) |
| Power consumption | kW | 2.5 (27 defrost) |
| Power protection (fuse) | A | 63 |
| Max. Air flow | m³/hr | 25000 |
| Hydraulic connections (DIN11851) | DN [mm] | 50 |
| Air Inlet / Outlet [Ø] | mm / mm | N/A |
| External static pressure | Pa | N/A |
| Remote monitoring | - | No |
| Dimensions [LxWxH] | mm | 3010x1200x1200 |
| Weight | kg | 800 |
| Max. Sound pressure @ 10 m | dBA | 67[3] |

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

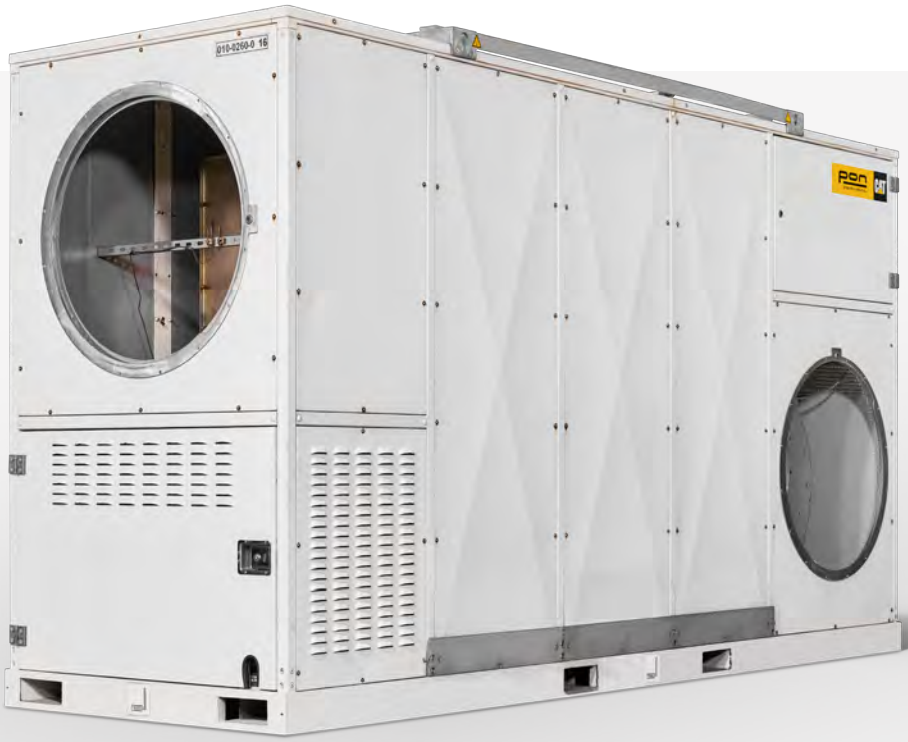
**For specific conditions, contact our application engineers.**

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
5. At water temperatures 6/12°C and air inlet +30°C/65% RH
6. At water temperatures 80/60°C and air inlet -10°C/60% RH

*** Optional/options EAH 200/460**

- Automatic air-valve control
- $CO_2$ sensor and $CO_2$ control (optional)
- Master/slave
- Automatic switch-over (heating/cooling)
- Air filter bags (Standard-Flo SFGS-F7) specific air filter bags on request

**We're here to help**



# 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.

# 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 | m³/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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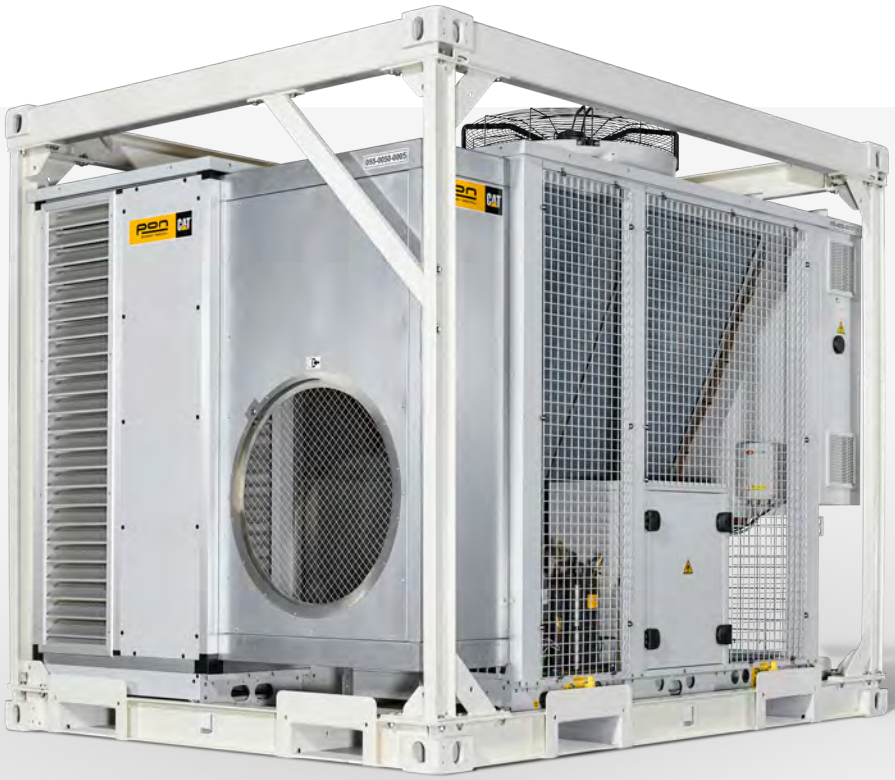

All electric

# Air-to-air heat pump specifications

Our air-to-air heat pumps have a capacity of 50, 75 and 100 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, $CO^2$ 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.

# Technical information

| Model | | EAA050HP | EAA075HP | EAA100HP |
|---|---|---|---|---|
| Cooling capacity[1] | kW | 50.3 | 73.9 | 101.6 |
| Heating capacity[2] | kW | 46.4 | 76.6 | 104.5 |
| Power supply (+/- 10%) | V V/Ph/Hz/PE | 400/3/50/PE | 400/3/50/PE | 400/3/50/PE |
| Power connection | - | CEE 63A (5-pole) | CEE 125A (5-pole) | CEE 125A (5-pole) |
| Power protection | A | 40 | 100 | 125 |
| EER cooling | W/W | 3.22 | 2.49 | 2.60 |
| COP heating | W/W | 3.60 | 3.05 | 3.15 |
| Air hose connection supply air | mm | 800 | 800 | 800 |
| Air hose connection re-circulation air | mm | 800 | 800 | 800 |
| Air flow | m³/hr | 9000 | 17 600 | 23 650 |
| Remote monitoring | - | Yes | Yes | Yes |
| Max. Starting current | A | 11.4 | 160 | 217 |
| Lowest ambient temp. Cooling | °C | -10 | 0 | 0 |
| Lowest ambient temp. Heating | °C | -15 | -12 | -12 |
| Forklift pockets | - | All 4 sides | Long sides | Long sides |
| Transport frame dimensions [LxWxH] | mm | 2991x2438x2549 | 5080x2478x2081 | 5280x2482x2382 |
| Full operational weight | kg | 2275 | 3085 | 3275 |
| Sound pressure @ 10 m | dBA | 49 | 44 | 45 |

**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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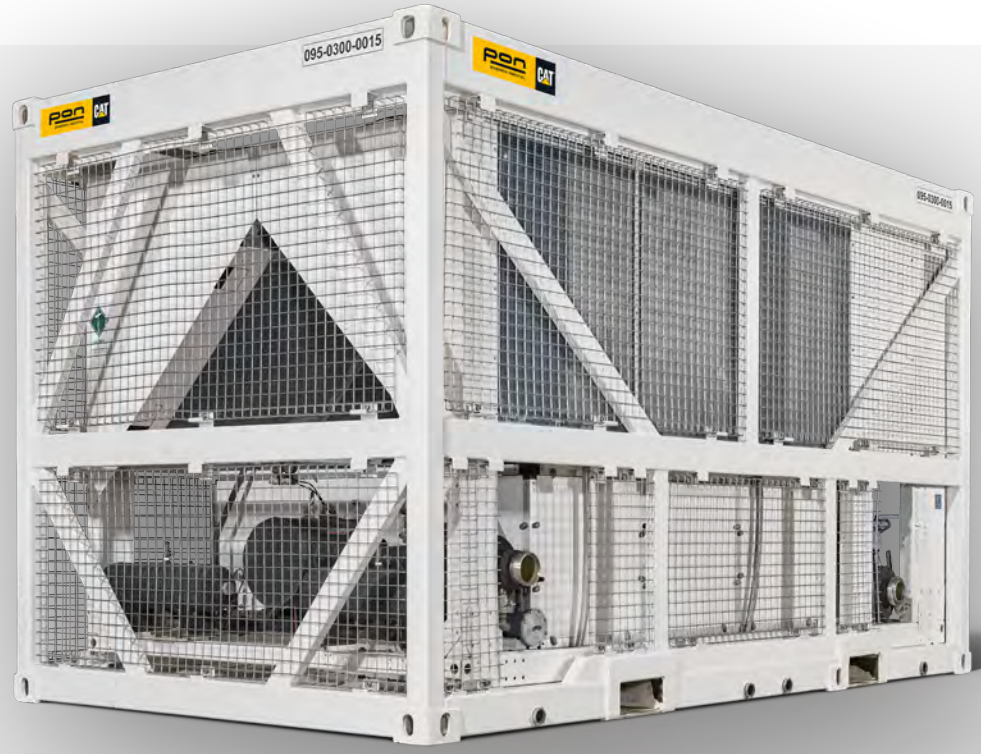



All electric

# Heat pump specifications

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 |

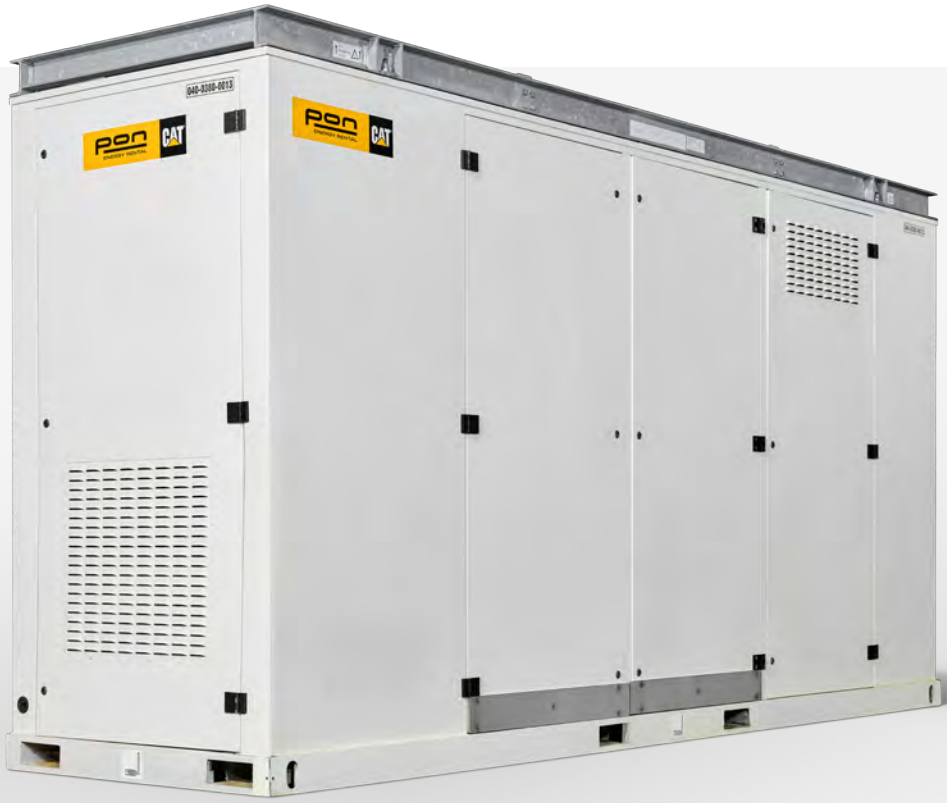
**Details are given for guidance only. Exact equipment may vary according to geographical location and availability.**

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.

**We're here to help**

pon ENERGY RENTAL CAT



# 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 380 kW to 600 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.

# Technical information

| Model | | HWS380 | HWS600 |
|---|---|---|---|
| Heating capacity[1] | kW | 350 | 560 |
| Power supply | * | 400/3/50/PE | 400/3/50/PE |
| Power connection | - | CEE 32A (5-pole) | CEE 32A (5-pole) |
| Max Power Consumption (incl. pump) | kW | 8 | 10.5 |
| Power protection (slow fuse) | A | 16 | 25 |
| Fuel consumption[2] | L/hr | 37.9 | 59.8 |
| Hydraulic connections ( DIN 11851) | DN [mm] | 50 | 80 |
| Max. operating pressure | bar | 10 | 4 |
| Pump speed | - | Variable | Variable |
| Plate heat exchanger[5] | - | Integrated[4] | Integrated[4] |
| Forklift pockets / Lifting points | - | Yes / Yes | Yes / Yes |
| Dimensions [LxWxH] | mm | 4500x1200x2240 | 2991[3]x2438x2591 |
| Weight | kg | 3270[6] | 4350 |
| Max. Sound pressure @ 10 m | dBA | 65 | 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 seperated
6. Including lifting frame

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

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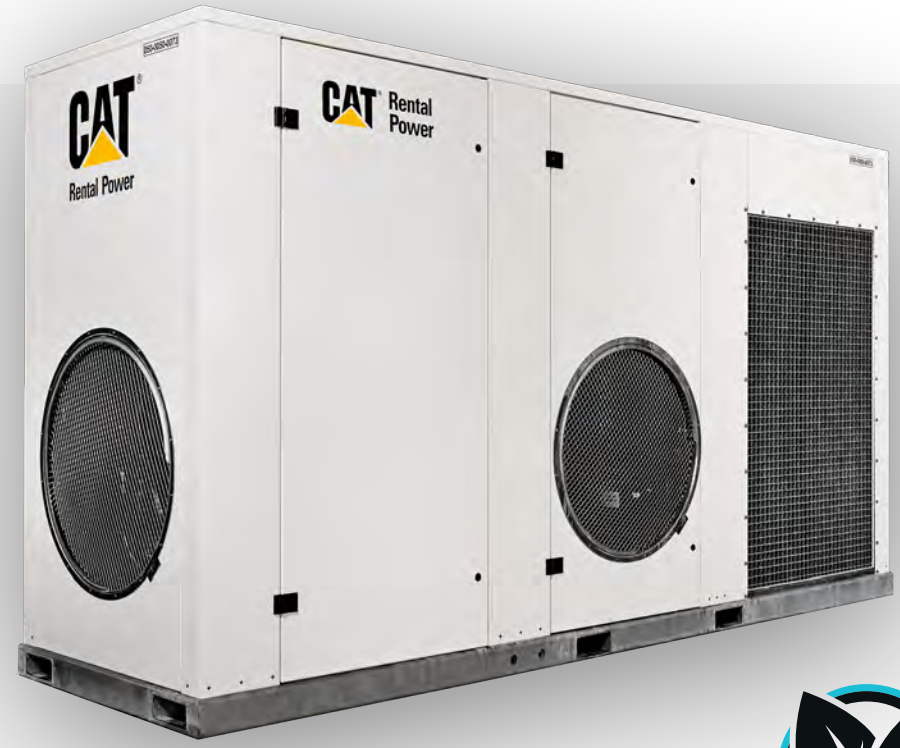


All electric

# 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 a cooling capacity of 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.

# Technical information

| Model | | A2AC100 |
|---|---|---|
| Cooling capacity[1] | kW | 110 |
| Cooling capacity[2] | kW | 106 |
| Power supply | V/Ph/Hz/PE | 400/3/50/PE |
| Power connection | CEE (5-pole) | 125 A |
| Power consumption[3] | kW | 44.3 |
| Power protection (fuse) | A | 125 |
| Max. Air flow | m³/hr | 23000 |
| Air inlet / outlet [Ø] | mm / mm | 800 / 800 |
| Dimensions [LxWxH] | mm | 4500x1200x2200 |
| Weight | kg | 2850 |
| Max. Sound pressure @ 10 m | dBA | 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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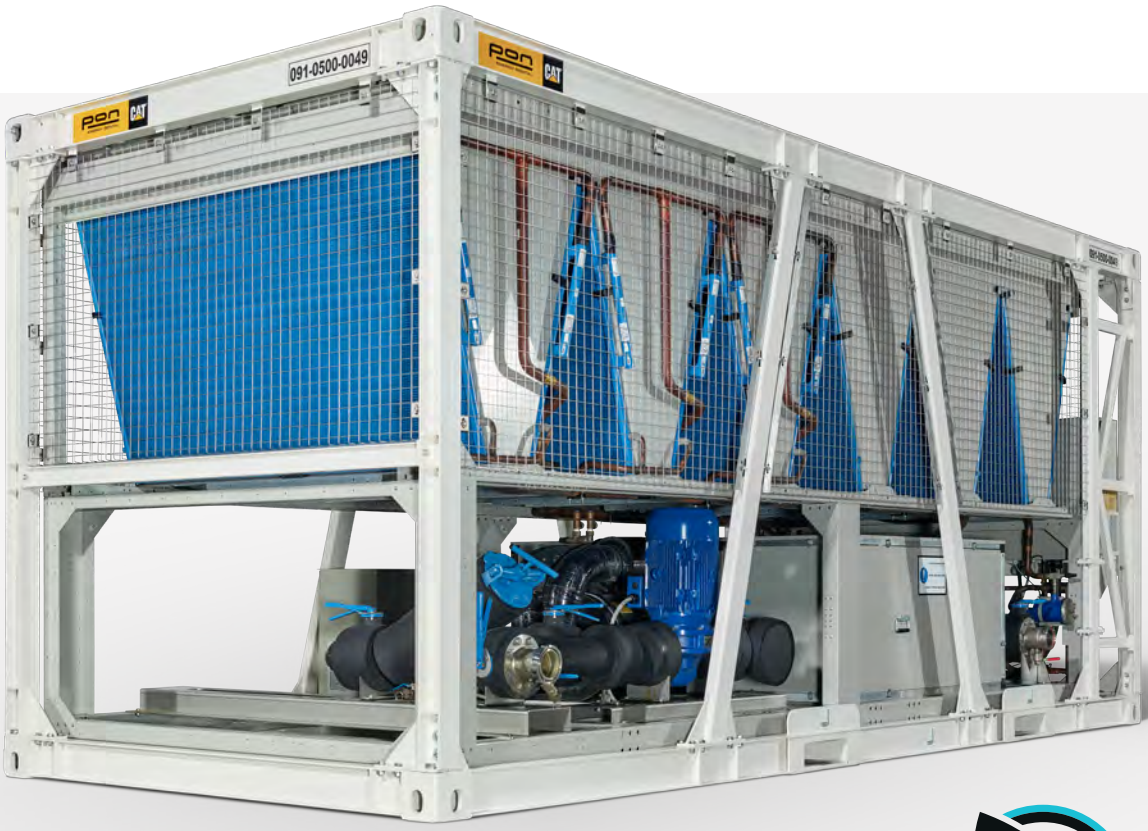



All electric

# 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.

**Chillers**

# Technical information

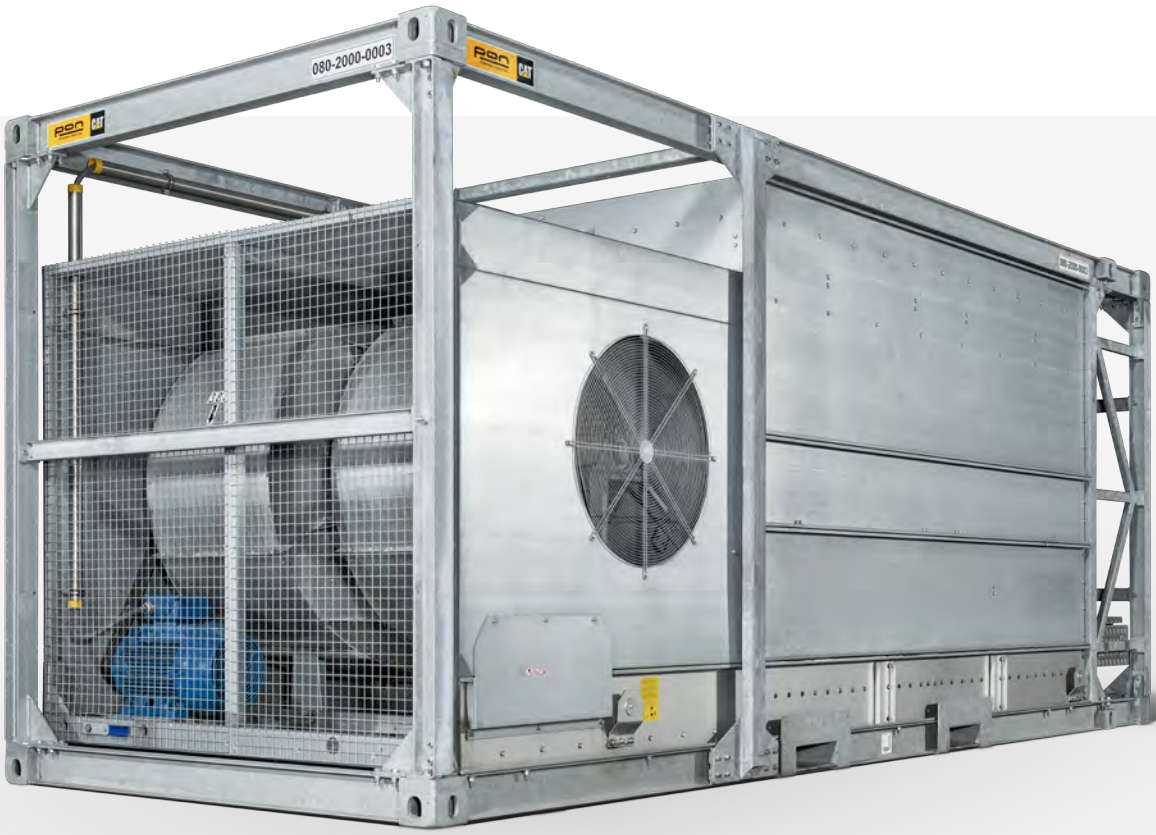
| Model | | EC50 | EC100 | EC250 |
|---|---|---|---|---|
| Cooling capacity[1] (+30 Ambient) | kW | 56 | 105 | 258 |
| Built-in pump | - | Yes | Yes | Yes |
| Power supply | V/Ph/Hz/PE | 400/3/50/PE | 400/3/50/PE | 400/3/50/PE |
| Power connection | - | CEE 63A (5-pole) | CEE 125A (5-pole) | M12 |
|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

| Model | | EC275 | EC550 | EC800 |
|---|---|---|---|---|
| Cooling capacity[1] (+30 Ambient) | kW | 284 | 541 | 842 |
| Built-in pump | - | Yes | Yes | Yes |
| Power supply | V/Ph/Hz/PE | 400/3/50-60/PE | 400/3/50-60/PE | 400/3/50-60/PE |
| Power connection | - | M12 | M12 | M12 |
| Power consumption (at +30 ambient, excl. pump) | kW | 80.3 | 146 | 230 |
| Pump power (Max.) | kW | 3.54 | 18.5 | 18.5 |
| EER (excl. pump)[1] (at +30 ambient) | - | 3.70 | 3.70 | 3.66 |
| Power protection (fuse) | A | 250 | 400 | 630 |
| Hydraulic connections (DIN11851) | DN [mm] | 100 | 100 | 2x100 |
| Max. Starting current | A | 0 | 3 | 0 |
| Fluid temperature range cooling | °C | -15 / +15 | -12 / +15 | -12 / +15 |
| Dimensions [LxWxH] | mm | 2991x2434x2724 | 6058x2438x2720 | 7090x2438x2720 |
| Full operational weight | kg | 3650 | 7900 | 9150 |
| Forklift pockets | - | Yes | Yes | Yes |
| Max. Sound pressure @ 10 m | dBA | 60 | 60 | 67 |
| Recommended Pon Energy Rental genset size | kVA | 150 | 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.




All electric

# Cooling tower specifications

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 | 1859 |
| Power supply | V/Ph/Hz/PE | 400/3/50-60/PE |
| Power connection | - | CEE 63A (5-pole) |
| Max. Power consumption | kW | 31 |
| Power protection (fuse) | A | 63 |
| Max. Starting current | A | 1 |
| Max. Running current | A | 58 |
| Max. Air flow | m3/h | 10 800 |
| Min. / Max. Fluid flow rate | m3/h | 111 / 320 |
| Max. Fluid inlet temperature | °C | 45 |
| Hydraulic connections (flanges) | - | 200 / 10 DN / PN |
| Dimensions [LxWxH] | mm | 6605x2544x2785 |
| Transport weight | kg | 4450 |
| Full operational weight | kg | 6600 |
| Forklift pockets | - | Yes |
| Built-in pump | - | No |
| Max. sound pressure level @ 15m | dB(A) | 65 |
| Remote monitoring | - | Yes |
| Recommended Pon Energy Rental genset size | kVA | 60 |

**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

Consult your Pon Energy Rental application engineer for any other operation condition.

**We're here to help**

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