aggreko

Keep your world ON™
aggreko.com

Tier 4 Final generators

Engineered energy solutions to lower your emissions

BROCHURE
Aggreko NAM

Delivering smart energy with EPA compliant energy solutions

We help our customers reduce emissions. We invest in the latest technology to support your power needs.

Our Tier 4 Final (4F) fleet reflects our commitment to use the latest in low-emissions technologies to deliver greater efficiencies with lower environmental impact

Progress doesn't always require a full redesign. Often it starts with smarter choices about how energy is generated and used. Because every site is different, we integrate low-emissions technologies, sector expertise and ongoing optimization to deliver right-sized solutions that perform today and adapt as needs change.

Wherever you are on your energy journey, we meet you there – working at your pace, applying our expertise and moving quickly to drive reliable and impactful results.

The result? Reliable, EPA compliant power that reduces emission and power interruptions.

We provide engineered energy solutions to keep you running. You focus on your business.

Innovative power to meet your energy goals

Our Tier 4 Final engines meet the highest emission standards.

This advanced fleet reduces harmful pollutants, boosts efficiency and provides quieter equipment for your business. It helps you reduce both local and global emissions. This low-emission technology is a key part of our service.

Understanding emission regulations helps you choose the right power. The EPA has set a 5-stage schedule for emission reductions on all engines. Each stage drives new technology to meet stricter limits.

Key emissions include:

NOx (Nitrous Oxide): A major air pollutant that contributes to acid rain. Our solutions significantly reduce NOx.

PM (Particulate Matter): Small carbon particles from incomplete combustion of fossil fuels also known as “soot”. Our technology dramatically cuts PM output.

Tier 4F generators

You need reliable power that can meet your energy goals. Our Tier 4 generators deliver it. Our equipment is designed to provide low-carbon and low-noise temporary power. These generators use the same clean technology as modern car engines. They meet the toughest EPA requirements for diesel engines.

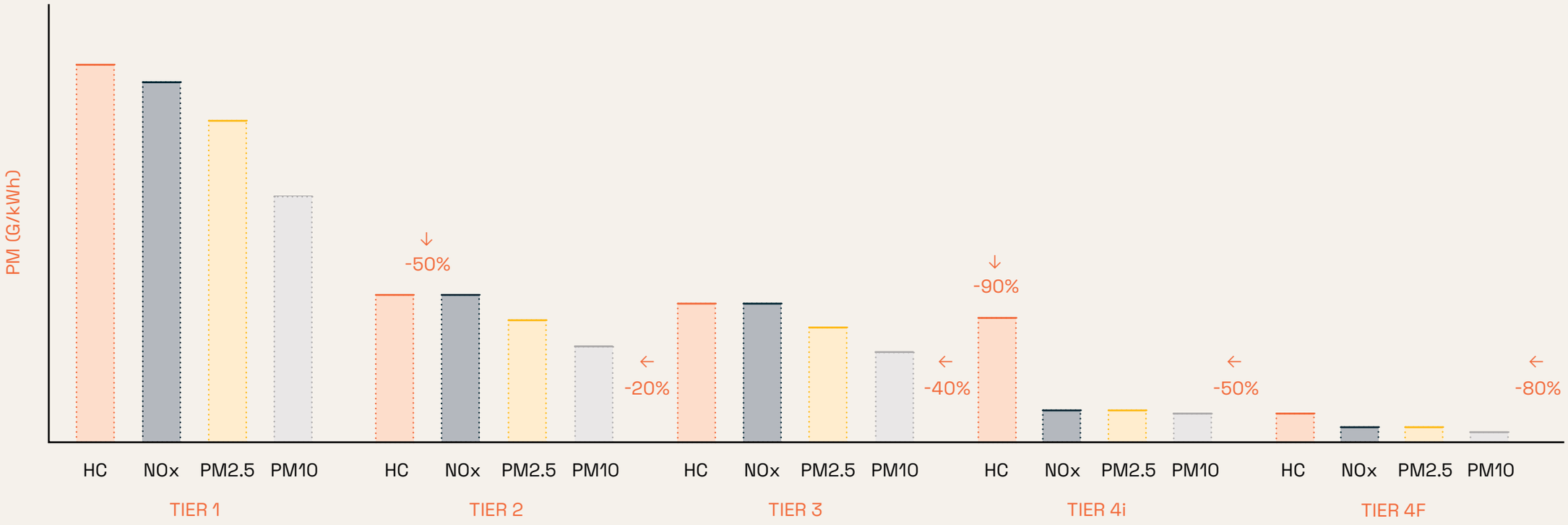
Need even lower emissions? We can run them on biofuels. Your choice. Clean power. Quiet operation. Lower fuel costs. That’s what Tier 4 F delivers for your business.

Benefits:

- 98% less particulate matter than older generators.
- 96% fewer nitrogen oxides.
- Quieter operation for your site.
- Better fuel efficiency to cut your costs.

Cleaner power for your project

Tier 4F engines produce 99% less NOx and PM emissions than Tier 1 engines



HYDROCARBON (HC)

NITROUS OXIDE (NOX)

PARTICULATE MATTER SMALLER THAN 2.5 MICRONS (PM2.5)

PARTICULATE MATTER SMALLER THAN 10 MICRONS (PM10)

Upgrade how you power your operations

We offer the U.S. and Canada's most extensive fleet of Tier 4 Final generators, available from 25 kW to 1200 kW. This means you get reliable, efficient power options designed to meet your specific needs.

Our robust, low-noise generators provide the temporary power you need without sacrificing performance.

Reduced emissions: Features like Diesel Particulate Filters, Selective Catalytic Reduction (SCR), and Diesel Oxidation Catalysts (DOC) minimize particulate matter, NOx, and CO for cleaner air.

Quieter operation: Variable speed fans drastically reduce sound, especially at lower loads, making our generators ideal for urban and noise-sensitive areas.

Enhanced safety: Built-in Arc Flash detection and physical safety barriers protect your operators on-site.

Simplified refueling: Internal Diesel Exhaust Fluid (DEF)/AdBlue tanks are sized to match fuel capacity, meaning DEF refills align with fuel refills.

Flexible setup: External DEF/AdBlue tank options allow for extended refill intervals, support multiple generators, and help reduce your site's physical footprint.

They are installed and monitored by our experts, ensuring smooth, low-emission power generation.

Our Tier 4F fleet

25 kW TIER 4F

25 kW Tier 4F	
Standby rating (kW)	22 kW (3 Phase) 14.4 (Single Phase)
Prime rating (kW)	22 kW (3 Phase) 14.4 (Single Phase)
Continuous rating (kW)	20 kW (3 Phase) 14.4 (Single Phase)
Voltage options	3 Phase: 208Y/120, 220Y/127, 240Y/139 416Y/240,440Y/254, 480Y/277 Single Phase: 240/120
Fuel consumption	0.0745 gall/kW-hr
DEF consumption	N/A
Length	8.69 ft
Width	4.66 ft
Height	5.54 ft
Weight (gross with fuel)	2544 lbs
Fuel capacity/DEF capacity	42 gall/(N/A)
Run hrs @ Prime	18 hrs (fuel)
Noise level	65 dB @ 21 ft
NOx – Oxides of Nitrogen	5.6 g/bhp-hr
CO – Carbon Monoxide	5.6 g/bhp-hr
PM – Particulate Matter	4.1 g/bhp-hr

40 kW TIER 4F

40 kW Tier 4F	
Standby rating (kW)	40 kW (3 Phase) 28.8 (Single Phase)
Prime rating (kW)	36 kW (3 Phase) 26 (Single Phase)
Continuous rating (kW)	36 kW (3 Phase) 26 (Single Phase)
Voltage options	3 Phase: 208, 220, 240, 416, 440 and 480 Single Phase: 240/120
Fuel consumption	0.0814 gall/kW-hr
DEF consumption	N/A
Length	12.3 ft
Width	5.41 ft
Height	6.99 ft
Weight (gross with fuel)	4032.25 lbs
Fuel capacity/DEF capacity	79.25 gall/(N/A)
Run hrs @ Prime	27 hrs (fuel)
Noise level	66 dB @ 21 ft 78.5 dB @ 3 ft
NOx – Oxides of Nitrogen	2.38 g/bhp-hr
CO – Carbon Monoxide	0.02 g/bhp-hr
PM – Particulate Matter	0.022 g/bhp-hr

Our Tier 4F fleet

60 kW TIER 4F

60 kW Tier 4F	
Standby rating (kW)	62 kW (3 Phase) 44 (Single Phase)
Prime rating (kW)	56 kW (3 Phase) 40 (Single Phase)
Continuous rating (kW)	56 kW (3 Phase) 40 (Single Phase)
Voltage options	3 Phase: 480Y/277V, 240Y/139V, 208Y/120V Single Phase: 240/120
Fuel consumption	0.0786 gall/kW-hr
DEF consumption	0.0055 gall/kW-hr
Length	14.11 ft
Width	6.04 ft
Height	7.39 ft
Weight (gross with fuel)	5169.84 lbs
Fuel capacity/DEF capacity	118 gall/7.2 gal
Run hrs @ Prime	23.4 hrs (fuel) 24 hrs (DEF)
Noise level	65 dB @ 21 ft
NOx – Oxides of Nitrogen	0.119 g/bhp-hr
CO – Carbon Monoxide	0.223 g/bhp-hr
PM – Particulate Matter	0.007 g/bhp-hr

100 kW TIER 4F

100 kW Tier 4F	
Standby rating (kW)	100 kW (3 Phase) 53 (Single Phase)
Prime rating (kW)	90 kW (3 Phase) 53 (Single Phase)
Continuous rating (kW)	90 kW (3 Phase) 42 (Single Phase)
Voltage options	3 Phase: 480/240/408 Single Phase: 240/120
Fuel consumption	0.0800 gall/kW-hr
DEF consumption	0.0057 gall/kW-hr
Length	10.08 ft
Width	4.17 ft
Height	6.41 ft
Weight (gross with fuel)	6560 lbs
Fuel capacity/DEF capacity	130 gall/15 gall
Run hrs @ Prime	20 hrs (fuel) 32 hrs (DEF)
Noise level	68 dB @ 21 ft
NOx – Oxides of Nitrogen	0.13 g/bhp-hr
CO – Carbon Monoxide	0.00 g/bhp-hr
PM – Particulate Matter	0.01 g/bhp-hr

Our Tier 4F fleet

200 kW TIER 4F

200 kW Tier 4F	
Standby rating (kW)	200 kW (3 Phase) 135 (Single Phase)
Prime rating (kW)	180 kW (3 Phase) 135 Single Phase)
Continuous rating (kW)	180 kW (3 Phase) 133 (Single Phase)
Voltage options	3 Phase: 480/208/240 Single Phase: 240/120
Fuel consumption	0.0761 gall/kW-hr
DEF consumption	0.0056 gall/kW-hr
Length	12.17 ft
Width	4.75 ft
Height	5.58 ft
Weight (gross with fuel)	9598 lbs
Fuel capacity/DEF capacity	255 gall/15 gall
Run hrs @ Prime	16 hrs (fuel) 16 hrs (DEF)
Noise level	77 dB @ 21 ft
NOx – Oxides of Nitrogen	0.1 g/bhp-hr
CO – Carbon Monoxide	0.00 g/bhp-hr
PM – Particulate Matter	0.01 g/bhp-hr

300 kW TIER 4F

300 kW Tier 4F	
Standby rating (kW)	275 kW (3 Phase) 188 (Single Phase)
Prime rating (kW)	275 kW (3 Phase) 188 (Single Phase)
Continuous rating (kW)	250 kW (3 Phase) 178 (Single Phase)
Voltage options	3 Phase: 480/208/240 Single Phase: 240/120
Fuel consumption	0.0651 gall/kW-hr
DEF consumption	0.0046 gall/kW-hr
Length	13.66 ft
Width	5.16 ft
Height	7.92 ft
Weight (gross with fuel)	14000 lbs
Fuel capacity/DEF capacity	370 gall/15 gall
Run hrs @ Prime	16 hrs (fuel) 12 hrs (DEF)
Noise level	77 dB @ 21 ft
NOx – Oxides of Nitrogen	0.15 g/bhp-hr
CO – Carbon Monoxide	0.01 g/bhp-hr
PM – Particulate Matter	0.01 g/bhp-hr

Our Tier 4F fleet

400 kW TIER 4F

400 kW Tier 4F	
Standby rating (ESP)	375 kW
Prime rating (PRP)	366 kW
Continuous rating (COP)	311 kW
Voltage 3 Phase	415480/208/240
Fuel consumption	0.0659 gall/kW-hr
Trailer	0.0046 gall/kW-hr
Weight (without fuel)	16.93 ft
Dimensions (L x W x H)	6.23 ft
Noise Level 60 Hz @ 7 m (23 ft)	9.58 ft
Fuel capacity	300 gal
Fuel consumption	16.83 gph
Fuel run time	18 hrs
DEF capacity	19 gal
DEF consumption	0.88 gph
DEF run time	22 hrs
CO – Carbon Monoxide	0.005 g/kWh
HC – Hydrocarbons	0.012 g/kWh
NOx – Oxides of Nitrogen	0.103 g/kWh
PM – Particulate Matter	0.006 g/kWh

500 kW TIER 4F

500 kW Tier 4F	
Standby rating (kW)	500 kW (3 Phase)
Prime rating (kW)	456 kW (3 Phase)
Continuous rating (kW)	319 kW (3 Phase)
Voltage options	3 Phase: 208/120, 240/139, 480/277 (60 Hz) Single Phase: 120/240 (60 Hz)
Fuel consumption	124.9 L/hr or 32.9 G/hr @ Prime
DEF consumption	1.2 gal/hr
Length	17.1 ft
Width	6.1 ft
Height	9.1 ft
Weight (gross with fuel)	23375 lbs
Fuel capacity/DEF capacity	761 gal/28.3 gal
Run hrs @ Prime	26.8 hrs (fuel) 26.8 hrs (DEF)
Noise level	75 dB @ 7m (21 ft)
NOx – Oxides of Nitrogen	0.07 g/bhp-hr
CO – Carbon Monoxide	0.01 g/bhp-hr
PM – Particulate Matter	0.01 g/bhp-hr

Our Tier 4F fleet

600 kW TIER 4F

600 kW Tier 4F	
Standby rating (kW)	606 kW (3 Phase) (Single Phase)
Prime rating (kW)	573 kW (3 Phase) (Single Phase)
Continuous rating (kW)	427 kW (3 Phase) (Single Phase)
Voltage options	3 Phase: 415 (50 Hz) 480V (60Hz) Single Phase: 230 V (50Hz) 277 (60 Hz)
Fuel consumption	0.0659 gall/kW-hr
DEF consumption	0.0046 gall/kW-hr
Length	16.93 ft
Width	6.23 ft
Height	9.58 ft
Weight (gross with fuel)	23537 lbs
Fuel capacity/DEF capacity	468 gall/42 gall
Run hrs @ Prime	11.2 hrs (fuel) 15 hrs (DEF)
Noise level	72.4 dB @ 21 ft 81.6 dB @ 3 ft
NOx – Oxides of Nitrogen	0.4 g/bhp-h
CO – Carbon Monoxide	0.066 g/bhp-hr
PM – Particulate Matter	0.0137 g/bhp-hr

Our Tier 4F fleet

1200 kW TIER 4F

1200 kW Tier 4F	
Standby rating (kW)	1198 kW (3 Phase) (Single Phase)
Prime rating (kW)	1089 kW (3 Phase) (Single Phase)
Continuous rating (kW)	883 kW (3 Phase) (Single Phase)
Voltage options	3 Phase: 415 (50Hz) 480V (60Hz) Single Phase: 230V (50Hz) 277 (60Hz)
Fuel consumption	0.0659 gall/kW-hr
DEF consumption	0.0046 gall/kW-hr
Length	19.88 ft
Width	8.01 ft
Height	9.48 ft
Weight (gross with fuel)	43530 lbs
Fuel capacity/DEF capacity	453 gall/84 gall
Run hrs @ Prime	5.6 hrs (fuel) 15 hrs (DEF)
Noise level	72.4 dB @ 21 ft 81.6 dB @ 3 ft
NOx – Oxides of Nitrogen	0.4 g/bhp-hr
CO – Carbon Monoxide	0.066 g/bhp-hr
PM – Particulate Matter	0.0137 g/bhp-hr

100 GALLON
DEF TANK

100 gallon DEF tank	
Capacity (gross)	100 gallons
Capacity (usable)	94 gallons
Power supply	12
Power consumption (controls)	10 amps
Power consumption (heater pad)	12.5 amps (120v)
Max distance from tank to generator	25 ft hose
Weight (full)	1450 lbs
Generators connected/tank	9.1 ft
Max/min ambient temp	114° F/ 17° F
Max/min ambient temp	114° F/ -20° F

You get access to the largest Tier 4F fleet available nationwide. Models ranging from 25k kW – 1200 kW.

The Aggreko approach

Our team delivers a full service to our customers, from cables to kit, fuel to software. In addition, we work in partnerships to help guide businesses with engineered energy solutions that lower harmful emissions and reduce fuel costs.

We are committed to innovation and continue testing our equipment to maximize efficiencies. Our team's sector expertise and ongoing optimization deliver right-sized solutions and services that boost efficiencies for your business.

Right sizing:

Generators that are too large or poorly matched waste energy and strain your systems. We use innovative thinking to precisely match equipment to your needs. This delivers greater efficiency and lower carbon emissions.

Load-on-demand:

This approach replaces a single large generator with a group of smaller units. These automatically power up or down based on your demand.

For example, if your site needs 1500 kW, we can provide three 500 kW generators. When demand drops to 500 kW, two generators power down. This minimizes emissions and fuel use.

Conclusion

Our expertise.
Engineered energy solutions.
Enhancing your operations.

We design, deploy and optimize the power you need. From our engineered energy solutions to sector expertise, our team understands your challenges. We are here to deliver results that improve efficiency, control costs, and manage emissions.

Ready to get started? Visit aggreko.com or speak with your Aggreko specialist today.

Smarter energy.
Reliable outcomes.
Right sized for today.
Ready to scale for the future.

Contact us
888 970 4651

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