

Double the flexibility, Twice the power

We understand your need for power, but do your power needs ever change? The **QAC TwinPower™** is a 20-foot containerized generator with 2 generators inside, making it perfect for applications that have variable power needs, whether that's due to the time of day or the current usage requirements.

Fully loaded, the **QAC TwinPower™** offers two engines in a single container, solving load issues and reducing fuel consumption up to 40% on variable load applications compared to single engine solutions or 12% compared to other double engine solutions thanks to the Variable Speed fans Atlas Copco Technology.

Because you get two generators in one platform, you have the flexibility you need to run at 100% power load or even low power loads in the most efficient way. What's more, every feature you need comes as standard on the **QAC TwinPower™**.



<p>1+1 2 GENERATORS, 1 BOX</p>	<p>UP TO 40% LESS FUEL AND CO₂ EMISSIONS</p>	<p>2 CLICKS EASY SELECT FUEL OPTIMIZER, REDUNDANCY, SPLIT</p>	<p>UP TO 1450 KVA PRIME POWER 20'</p>	
<p>CENTRALIZED CONTROL & MONITORING</p>	<p>LOW TOTAL COST OF OWNERSHIP</p>	<p>>65% STEP LOAD ACCEPTANCE</p>	<p>RUN AT 50% DURING SERVICE</p>	<p>50/60Hz MULTI FREQUENCY GENERATOR</p>

Data may change depending on models.

Compact & versatile

IPP/Utilities (COP-PRP)
Low fuel consumption



Events (PRP – Redundancy)
Low noise



O&G/Marine (PRP-Peak Shaving)
Mobility (Dim. & weight)



Mining/Construction (PRP)
Support

Key benefits QAC 1500 TwinPower™

The QAC TwinPower™ is a 20 ft. high cube ISO containerised unit housing **two compact generators**; This configuration, with its fast-parallelising system, allows the two generators to work independently or in parallel with each other, providing multiple solutions and combinations between prime and standby use.

Optimized fuel autonomy and noise performance

- The optimized power pack and cooling pack designed by Atlas Copco with electrical fans & VSD control, will bring **fuel savings up** to 12% compared to other Solutions with regular flow through cooling systems.
- And additional benefit of variable speed fans is that QAC TwinPower™ is a very compact 20ft with very **good noise levels**.



Superior power connectivity

- QAC TwinPower™ offers a single bus bar easy convertible into double bus bar in case you need to power 2 completely different loads (even with different frequency).
- Additionally 6 Rows of 400Amps Camlocks with over current protection Will ensure express connectivity when needed.



Centralized parallel package

- To tackle even bigger jobs, the **QAC TwinPower™** has two dedicated Atlas Copco controllers, including touchscreen functionality, so you can easily parallel with other generators. You have the choice of island mode or PMS (Power Management System). Each generator can run in parallel with mains, peak shaving, mains power export/import, fixed power and AMF (Automatic Mains Failure).



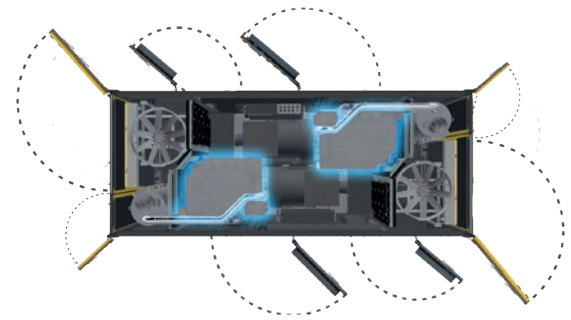
Superior performance

- Outstanding **power density** of 1450kVA in an ISO20 container.
- EU Stage V & EPA T4F, 50/60Hz SCR only engine model.

**SERVICE
INTERVAL (HRS)**
500 

Reduced service cost

- The QAC **TwinPower™** is designed for 1 side easy service. **Large access doors** and custom **service tools** make for effortless maintenance and assured uptime.
- Service time can be extended thanks to the Parallel Management System (PMS), as one of the generators can be stopped according to load demand.
- TwinPower™ concept is using less oil and less consumables than typical single engine solutions.
- Above 500hrs hours without refilling thanks to the Murphy Oil maintainer.



24/7 power availability

- The service requirement is less than 2 hours of maintenance for every 500 hours of operation.
- Due to the **TwinPower™** concept, it is possible to still benefit from 50% of the unit's total capacity during maintenance operations.

Environmentally friendly

- The spillage free frame reduces any potential environmental impact. It can contain **110% of the fuel tank** capacity.



QAC 1500 TwinPower™ generator

The electric VSD (Variable Speed Drive) motor-driven, cooling fan, adjusts the cooling flow to the specific requirements of the engine. It sets the QAC 1500 TwinPower™ apart. These features provide fuel savings up to 40% in variable load applications vs traditional single engine solutions.

This model is specifically designed for intensive use in applications like independent power plants (IPP).



The standard scope of supply includes:

- Tier4Final/EU Stage 5 engine
- Integrated PMS with Touch screen: 2 x Qc4004 + Qd1001
- Cold start (Batteries and block heater)
- Oil level maintainer
- Alternator protection system 2 and anti-condensation heaters
- AREP excitation and Digital AVR
- Single/double terminal board
- Cam Locks: 4rows of 5 x 600Amps
- Battery cut off switch
- Internal lights
- Battery charger
- EFT External fuel tank connection
- AFT Automatic fuel transfer system AFT
- Integrated Spark Arrestor
- Fleetlink advanced

Technical data

Performance data	Value	QAC 1500 TwinPower	
Rated frequency	Hz	50	60
Rated power factor		0.8	
3 phase voltage	V	400/230	480/270
Rated standby power (LTP)	kVA/kW	1447/1157	1588/1270
Rated prime power (PRP)	kVA/kW	1365/1092	1450/1160
Rated current (PRP)	A	1970	1746
Fuel autonomy @75% PRP	h	9	8
Engine			
Make		Volvo	
Model		TWD1683GE	
Engine prime power output	hp (kW)	2 x 802 (590)	2 x 851 (626)
Engine speed	rpm	1500	1800
Emmision compliance		Stage V/EPA T4F	
Exhaust after treatment		SCR only	
Alternator			
Model		LSA49.3 M6	
Excitation		AREP Auxiliary winding	
Dimensions & weight			
L x W x H	ft	20 x 8 x 9'6" (ISO20' High cube)	
Weight (Dry)	lb	40124	



Product portfolio

GENERATORS

PORTABLE
1.6-7 kVA



MOBILE
25-1450 kVA



*Multiple configurations available to produce power for any size application

DEWATERING PUMPS

ELECTRIC SUBMERSIBLE
up to 6,100 US gpm



SURFACE PUMPS
up to 8,500 US gpm



Diesel and electric options available

LIGHT TOWERS

METAL HALIDE



LED



AIR COMPRESSORS AND HANDHELD TOOLS

AIR COMPRESSORS
110-1,800 cfm
58-508 psi



HANDHELD TOOLS
Pneumatic
Hydraulic
Petrol engine driven



ONLINE SOLUTIONS

SHOP ONLINE PARTS ONLINE

Find and order the spare parts for power equipment. We handle your orders 24 hours a day.



POWER CONNECT

Scan the QR code on your machine, and go to the QR Connect Portal to find all the information about your machine.



LIGHT THE POWER YOUR SIZING TOOL

A useful calculator to help you choose the best solution for your power and light needs



FLEETLINK

Intelligent telematics system that helps optimize fleet usage, reduce maintenance costs, ultimately saving time and cost.



Atlas Copco

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