

Atlas Copco



# Double the flexibility Twice the power!

QAC TwinPower™ generators

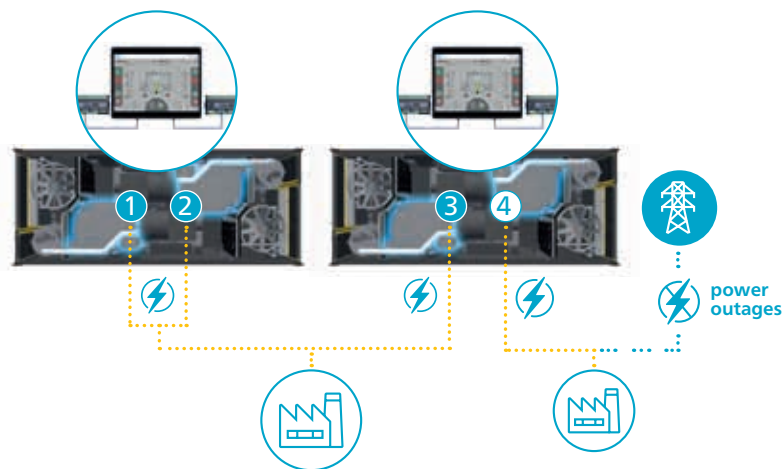
# Double the flexibility Twice the power

We understand your need for power; but, do your power needs ever change? The **QAC TwinPower™** is a 20-foot containerized generator with **two power packs**, 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™ solves load low issues and reduces fuel consumption and CO<sub>2</sub> emissions **up to 40%** on variable load applications, thanks to the centralized control panel with an integrated Power Manager System that switches on/off the two power packs according to the load required.

**The new QAC 1350 TwinPower™** is Stage V compliant and provides an environmentally friendly way to power operations, with nitrogen oxide (NOx) emissions reduced **by 80%**.

With the two power packs in one platform, you have the flexibility you need. The QAC TwinPower™ can be used as a single unit, two different ones, prime and standby in the same box, one unit working at 50Hz and the other at 60Hz.



UP TO **1450** KVA  
PRIME POWER  
**20'**

UP TO **80%**  
**LESS** NO<sub>x</sub>  
EMISSIONS

**1 + 1**  
2 GENERATORS, 1 BOX

RUN AT  
**50%** **24**  
DURING SERVICE

UP TO **40%**  
**LESS FUEL AND**  
CO<sub>2</sub> EMISSIONS

Data may change depending on models.

Powerful, quieter than other units of this power size, and easy to transport, the QAC TwinPower™ generators suit a range of applications, including utilities, events, construction, quarrying, mining, and Oil & Gas.



# Key benefits of QAC TwinPower™

The QAC TwinPower™ is a 20 ft 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 LOW NOISE LEVELS

UP TO **40%**   
LESS FUEL AND  
CO<sub>2</sub> EMISSIONS

- The centralized parallel package will switch off and on the power packs. When used on a variable load, the QAC TwinPower consumes **up to 40 percent less fuel** than single-engine solutions.
- The QAC TwinPower are very compact generators with the additional benefit of variable speed fans, delivering hardly any noise.

## REDUCED SERVICE COST

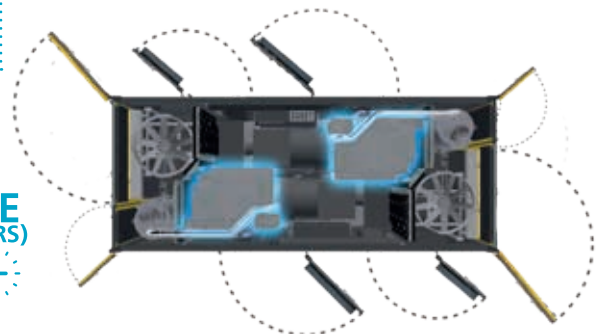
- The **QAC TwinPower™** is designed for one-side easy service. Its **large access doors** and custom **service tools** make maintenance effortless and assured uptime.
- The Centralized Parallel Management System (PMS) allows to extend service time, as one of the generators can be stopped according to load demand.
- 500 hours without refilling thanks to **the optional Oil level maintainer system**.



## 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.

**SERVICE INTERVAL (HRS)**  
**500** 



## EXCELLENT PERFORMANCE

- Outstanding **power density** up to 1450 kVA in an ISO20 container.
- QAC 1350 TwinPower™ Stage V compliant and EPA T4F 50/60Hz with SCR.
- Standard spark arrestor.



## CENTRALIZED PARALLEL PACKAGE

- To tackle even bigger jobs, the **QAC TwinPower™** has two dedicated Atlas Copco controllers Qc4004, including touchscreen Qd1001 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).

**RUN AT**  
**50%**   
**DURING SERVICE**



## ENVIRONMENTALLY FRIENDLY

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



## SUPERIOR POWER CONNECTIVITY

- QAC TwinPower offers a **single bus bar easy convertible into double bus bar** in case you need to power two completely different loads (even with different frequency).
- Additionally, the **optional Power Lock panel 6 Rows of 660 Amps with overcurrent protection** will ensure express connectivity when needed.

# Choose the TwinPower™ that best fits your needs



Stage V

Main features	QAC 1100 TwinPower	QAC 1350 TwinPower	QAC 1450 TwinPower
2 generators, 1box	2 x 500 kVA	2 x 675 kVA	2 x 725 kVA
Easy transportability	●	●	●
Centralized control & monitoring	●	●	●
Service interval	●	●	●
Energy efficiency at variable load	●	●	●
Energy efficiency at COP 75% Load (IPP application)	●	●	●
Stage V compliant		●	
Electric VSD (Variable Speed Drive) motor-driven		●	●
Offshore options: DNV certificate and multi-voltage		●	●
Main applications			
Utilities	●	●	●
IPP	●	○	●
Oil & Gas	○	●	●
Mining	●	●	●
Construction	●	●	●
Events	●	●	●

● Best choice ○ Suitable



# Technical data



Performance data		QAC 1100 TwinPower		QAC 1350 TwinPower		QAC 1450 TwinPower	
Rated frequency	Hz	50	60	50	60	50	60
Altitude capability	m	5000 (derating > 1000)		4000 (derating > 500)		4000 (derating > 500)	
Rated power factor		0,8	0,8	0,8	0,8	0,8	0,8
Rated standby power (ESP)	kVA / kW	1062 / 850	1100 / 840	1447 / 1157	1588 / 1270	1590 / 1272	1590 / 1272
Rated prime power (PRP)	kVA / kW	1000 / 800	1000 / 800	1365 / 1092	1450 / 1160	1447 / 1158	1447 / 1158
Rated power (COP)	kVA / kW	800 / 640	800 / 640	-	-	1117 / 894	1117 / 894
Rated voltage (line to line)	V	400	220 - 380 - 440	400	480	400	480
Fuel consumption at COP	l / h	156	158	-	-	211	217
Fuel consumption at PRP	l / h	203	208	172	184	276	288
Fuel tank capacity	l	1640		1586		1640	
<b>Control panel</b>							
Model		Qc4003 + Qd1001		Qc4004 + Qd1001		Qc4004 + Qd1001	
<b>Engine</b>							
Model		Scania 2 x DC13 072A		Volvo 2 x TWD1683GE		Scania 2 x DC16078A	
Speed	rpm	1500	1800	1500	1800	1500	1800
Speed governor		Electronic		Electronic		Electronic	
Emission level		NA	NA	StageV and Tier4Final		NA	NA
<b>Alternator</b>							
Model		WEG 2 x AG10 280 MI40AI		Leroy Somer 2 x LSA 49.3 M6		Leroy Somer 2 x LSA 49.3 M8	
Protection	Class / IP	H/23		H/23		H/23	
<b>Dimensions &amp; weight</b>							
Length	m	6,06		6,06		6,06	
Width	m	2,5		2,5		2,5	
Height	m	2,6		2,9		2,6	
Weight (dry/wet)	kg	10.400 / 11.965		18.200 / 19.700		14.900 / 16.500	

# Product portfolio

## GENERATORS

**PORTABLE**  
1,6–12 kVA



**MOBILE**  
9–1250\* kVA




**stageV**

**INDUSTRIAL**  
10–2250\* kVA



**LARGE POWER**  
800–1450 kVA



**stageV**

\*Multiple configurations available to produce power for any size application

## DEWATERING PUMPS

**ELECTRIC SUBMERSIBLE**  
250–16.200 l/min



**SURFACE PUMPS**  
833–23.300 l/min



**stageV**

Diesel and electric options available

## ENERGY STORAGE SYSTEM

**ZENERGIZE**




## LIGHT TOWERS

**DIESEL**



**BATTERY**




**ELECTRIC**





## AIR COMPRESSORS AND HANDHELD TOOLS

**AIR COMPRESSORS**  
1–116 m<sup>3</sup>/min  
7–345 bar



**HANDHELD TOOLS**  
Pneumatic  
Hydraulic  
Petrol engine driven



## ONLINE SOLUTIONS


**SHOP ONLINE PARTS ONLINE**

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 is a system that helps optimize fleet usage and reduce maintenance, ultimately saving time and cutting operating costs.




Atlas Copco Power Technique  
www.atlascopco.com/ptba

