



BUILT TO
POWER

**POWER GENERATION SOLUTIONS
FOR DATA CENTERS**



BAUDOUIN, BUILT TO LAST

For over a century, Baudouin has been at the forefront of advancements in the marine and power generation industries, delivering robust, reliable, and durable solutions. Founded in 1918, our heritage of quality and continuous investment in innovation defines everything we do.

Our generator sets are engineered to meet the demands of critical applications, such as data centers, ensuring reliable power under even the most challenging conditions. With Baudouin, you can trust in a legacy of excellence and a commitment to powering the future.



Baudouin's state-of-the-art factories span an impressive 160 000 m² in Europe and Asia, dedicated to delivering industry-leading Diesel and Gas Power Generation solutions.

With small, medium and high-power test benches, we rigorously test every generator set to ensure unmatched performance and reliability. Our commitment to quality, innovation, and precision positions Baudouin as a trusted partner for powering critical applications worldwide.



EUROPEAN BASED,
WITH WORLDWIDE
PRESENCE



300+ GLOBAL
PARTNERS
NETWORK



100 YEARS OF
MANUFACTURING
HIGH-PERFORMANCE



FRANCE

- ✓ Diesel & Gas engines
- ✓ Gensets
- ✓ 20 000 m² facilities



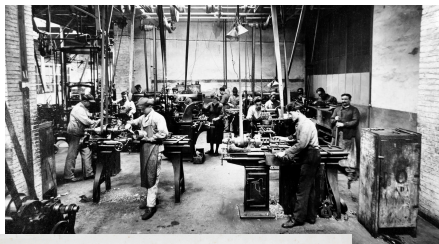
CHINA

- ✓ Diesel & Gas engines
- ✓ Gensets
- ✓ 132 000 m² facilities

MOTEURS Baudouin

Pronounced - "Bode-wah"

While the Baudouin name might be new to many in the North American market, it is a brand with a rich heritage in designing and manufacturing marine engines and generators across Europe, the Middle East, and Africa, dating back to 1918 in Marseille, France.



After World War II, Baudouin introduced the DK range, an innovative generation of engines which is arguably the most famous in Baudouin's history. Renowned for their reliability and robustness, these engines were available in multiple configurations from 40 to 150 horsepower. As a testament to their quality, hundreds of the DKs are still in operation today on the Mediterranean Sea.

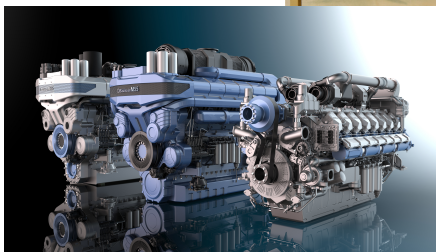


In the 1970s, Baudouin started to expand into the power generation business with the introduction of engines variants that were adopted by most of Europe's leading OEMs for open and enclosed gensets.



In January 2009, Baudouin was acquired by Weichai Power, a global leader in diesel and spark-ignited engines, trucks, handling, construction, and mining equipment.

Since then, Weichai has invested heavily in product development and manufacturing capacity, resulting in one of the broadest and most attractive lineups of marine and stationary engines, along with gensets up to 5MW featuring the world's most powerful high-speed Diesel engine: The 20M61.



Photos from Top to Bottom:
Baudouin Factory interior 1920
Baudouin Marseille Factory 1930s Early
Baudouin Marine Engine Ad Today's
M33 and M55 PowerKit genset engines

BAUDOUIN, POWER SOLUTIONS FOR DATA CENTERS



160%

is the projected growth in data center power demand by 2030, fueled by the rapid rise of cloud computing, AI, and digital transformation, emphasizing the need for reliable and scalable power solutions.
Source: Goldman Sachs



\$13Bn

is the projected value of the data center generator market by 2030, underscoring the indispensable role of backup power in ensuring uninterrupted digital operations.
Source: PowerGen Statistics



Time
counts

A few seconds is all it takes for backup power to activate, ensuring seamless operations during outages.





Data centers are vital to the digital economy, where uninterrupted uptime is crucial to prevent data loss, costs, and trust issues.

To meet this need, Baudouin gensets provide instant, reliable backup power, activating within seconds of an outage to maintain continuous operation.

Designed for high-demand environments, they handle heavy loads and scale with data center growth, ensuring consistent performance.

Baudouin gensets also feature advanced monitoring for remote oversight and predictive maintenance, critical for data center reliability. Compliant with strict emissions and noise standards, Baudouin offers a sustainable, efficient power solution, perfectly suited to the unique demands of the data center market.



The M33, M55 and M61 generator sets are engineered to deliver industry-leading performance, reliability, and efficiency, ensuring uninterrupted power for critical data center applications. Here's why they stand out:

UNMATCHED POWER AND RELIABILITY

- Deliver up to 5 MWe, ideal for critical operations.
- Exceed stringent standards, including Uptime Institute.
- Tier requirements and ISO 8528-G3, providing operators with peace of mind.
- Optimized for sudden power demands with dual starting motor redundancy, enhancing reliability in emergencies.

EXCEPTIONAL LOAD ACCEPTANCE

- Equipped with 4 turbochargers, they handle 0-100% exceptional load transitions, ensuring seamless operations during power fluctuations.
- Compatible with oversized alternators for low and high-voltage applications, adapting to diverse facility requirements.



DURABILITY AND COST EFFICIENCY

- Built from high-quality, durable materials and assembled for long-lasting performance.
- Designed with optimized fuel consumption, ensuring cost-effective operation without compromising power output.

EASE OF INTEGRATION

- Features a user-friendly design for straightforward installation. Seamlessly integrates into existing systems, simplifying deployment for operators.

With the M33, M55 and M61 gensets, data center operators can ensure reliable, efficient, and sustainable power solutions that meet the demands of today's mission-critical environments.

M33, M55 & M61

TECHNICAL HIGHLIGHTS

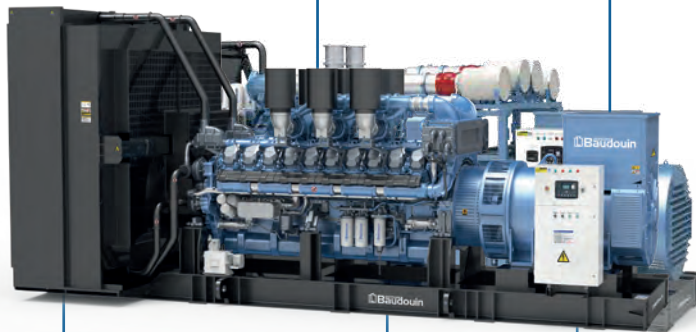
Provide data center with
uninterruptable power
supply solutions

ENGINE

- EPA Tier 2 emission option
- Redundant starting system option
- Super-high pressure common-rail fuel system for more peak fire pressure
- High allowable back pressure

ALTERNATOR

- Specifically designed for Data Center
- Effectively responds to the nonlinear load



RADIATOR

- High ambient designed capability
- High performance
- Low noise

INTELLIGENT CONTROL SYSTEM

- Microcomputer intelligent controller
- Designed for AMF and Syn function
- Real-time clock provides accurate event logging
- Ethernet communication provides built-in advanced remote monitoring
- Can be integrated into BMS and PLC

START MOTOR

- Dual redundant starters as standard

M33, M55 & M61

TECHNICAL HIGHLIGHTS

OUTDOOR ENCLOSURE*

Wall panel designed for 2 hours fire rated, comply with BS476 Part 22 as an option

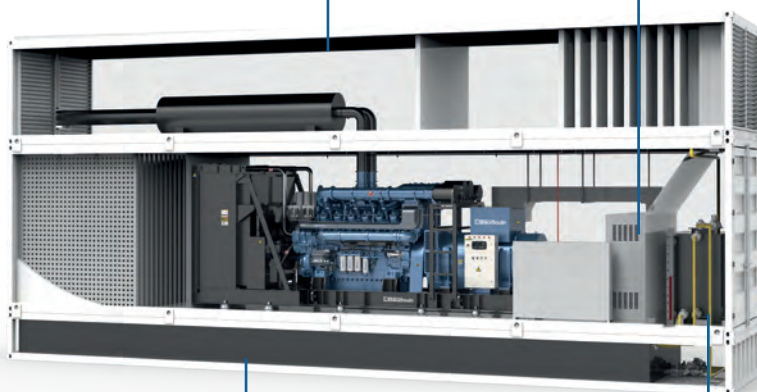
Fire suppression systems, heat sensors, and alarm can be equipped as an option

Custom noise reduction design is available

POWER DISTRIBUTION SYSTEM

IP requirement is available

Circuit breaker of international brand name



BOTTOM FUEL TANK

Large capacity for 48h continuous operation

Fuel polishing system and fuel pumps can be incorporated

Fuel monitoring panel as a complete system

DAILY FUEL TANK

With fully automatic fuel system

** Container types may be available upon request, depending on your region and requirements. For further information, please refer to your Baudouin sales representative.*

M33, M55 & M61

BAUDOUIN GENERATOR SETS RANGE FOR DATA CENTERS



M33 & M55
UPTIME INSTITUTE
RATINGS PRE APPROVED



ALL GENSETS
SUITABLE TO BE
USED WITH HVO



ISO 8528-G3
COMPLIANT



MOST POWERFUL HIGH-
SPEED DIESEL GENSET
AVAILABLE WORLDWIDE

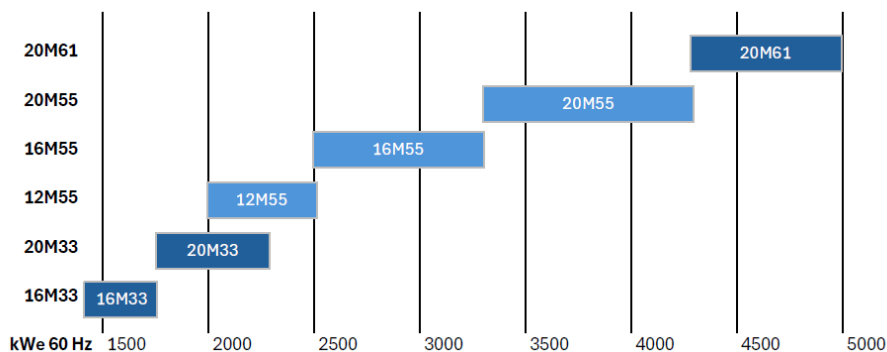


BEST-LEAD TIME
IN THE MARKET
< 12 MONTHS

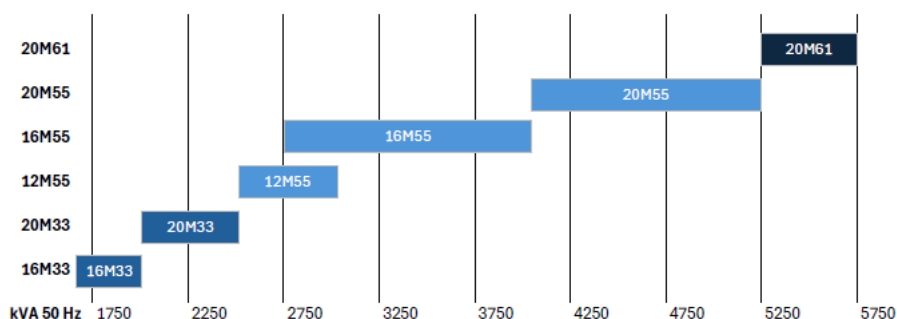


Baudouin platforms are optimized for enhanced Data Center Power ratings, with offerings such as:

POWER RATINGS (kWe)



POWER RATINGS (kVA)



Baudouin gensets combine advanced engineering with practical solutions to meet the most demanding data center requirements, making them a trusted choice for operators worldwide.



DIGITAL TOOLS & MONITORING

ADVANCED DIGITAL MONITORING FOR TOTAL CONTROL

Baudouin gensets are equipped with cutting-edge digital monitoring systems, giving operators full control and visibility over their power solutions. With the ability to monitor your genset in real-time, you can ensure optimal performance and address potential issues before they escalate, minimizing operational risks.

REMOTE DIAGNOSTICS FOR QUICK RESOLUTIONS

Our advanced technology allows for remote failure diagnostics, enabling swift identification and resolution of issues without the need for on-site inspections. This capability reduces downtime and ensures your data center operations remain uninterrupted, even during unforeseen events.

COMPREHENSIVE DATA RECORDING

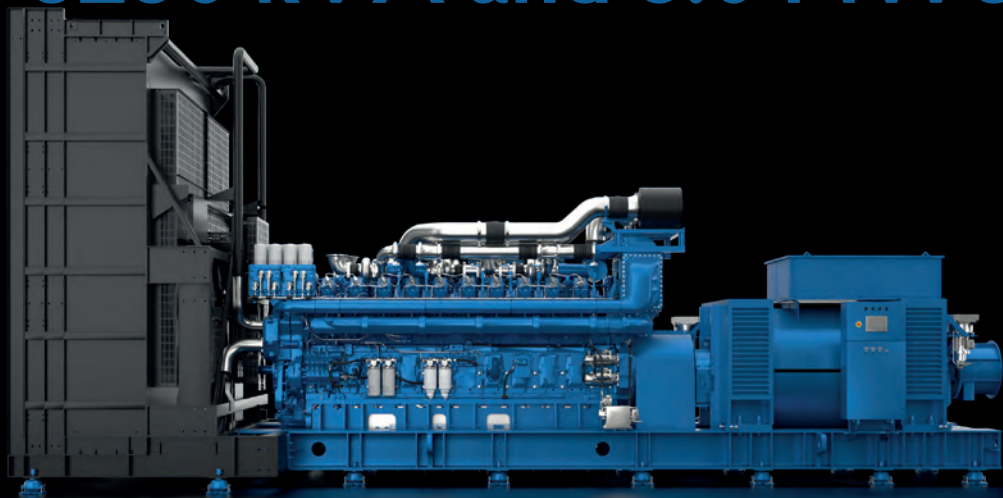
Our gensets are designed to record running data, providing a complete history of operational performance. This detailed information helps operators track efficiency, identify trends, and make data-driven decisions to optimize their power systems.

PROACTIVE MAINTENANCE ALERTS

Preventive maintenance reminders built into Baudouin's monitoring systems help operators stay proactive, ensuring your genset receives timely care to extend its lifespan and deliver reliable performance for critical applications.

BUILT TO **POWER**

6250 kVA and 5.0 MWe



RELIABLE BACKUP POWER SOLUTIONS FOR DATA CENTRES

HIGHEST RATING SPEED AVAILABLE ON THE MARKET
UPTIME INSTITUTE RATINGS PRE APPROVED
ISO-8528 G3 LOAD ACCEPTANCE PERFORMANCE BEST
LEAD TIME



SERVICE AND SUPPORT

At Baudouin, we know data center operators need reliable, efficient, and worry-free power systems.

Our tailored maintenance solutions ensure uninterrupted operations, extend equipment lifespan, and optimize costs. With advanced monitoring tools and expert support, we help prevent downtime, enhance performance, and meet compliance standards, empowering your data centre to scale with confidence.

BAUDOUIN PARTS AVAILABLE EVERYWHERE, ANYTIME



30 000+ parts in stock for immediate availability



Rapid response and genuine spare parts minimize downtime 24/7



comprehensive online spare parts ordering system Genuine



parts shipped worldwide within 24 hours

Warranty Coverage: a 3-year comprehensive warranty unlimited working hours during the coverage period.





DATA CENTER REFERENCES

FEDERAL INSTITUTE OF TECHNOLOGY

SWITZERLAND

POWER OUTPUT: 1000 kW NG

ENGINE: 16M33 PowerKit Engine

THE GREATER BAY AREA

CHINA

POWER OUTPUT: 31x1.8 MW

ENGINE: 12M55

DATA CENTRE

ITALY

POWER OUTPUT: 90.8 MVA

ENGINES: 4x12M26 + 1x12M33
4x12M55 + 24x12M55

DATA CENTRE

SINGAPORE

POWER OUTPUT: 2.4 MW, 2 MW & 1.8 MW

ENGINES: 14x16M55
+ 5x12M55 + 2x20M33

GAMAM DATA CENTRE

ASIA

POWER OUTPUT: 4x3 MW (11kV, 60Hz)

ENGINES: 16M55
+ 11 kV generator

LEADING CLOUD PROVIDER

MEXICO

POWER OUTPUT: 2x2.5 MW
+ 1x600 KW (380V, 60Hz)

ENGINES: 16M55 + 380V generator

CHIP PLANT

SINGAPORE

POWER OUTPUT: 4x2.2 MW (400V, 50Hz)

ENGINES: 12M55
+ Leroy Somer generator

LEADING ENERGY PROVIDER

ITALY

POWER OUTPUT: 5x1.6 MW

ENGINE: 20M33

READY TO POWER YOUR DATA CENTER?

Founded in 1918, Moteurs Baudouin provides advanced power solutions for mission-critical applications across industries. With over a century of experience and operations in more than 130 countries, Baudouin is renowned for delivering high-performance, reliable, and sustainable backup power solutions to support industries ranging from data centres to critical infrastructure.



Flash this QR CODE
Replay our insightful webinar on:
"Understanding the use of HVO and ISO 8528
in Data Center Engines"

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