



MOTEURS
Baudouin
A WEGH COMPANY

BUILT TO

POWER

POWER GENERATION SOLUTIONS
FOR DATA CENTRES



BAUDOIN, 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 centres, 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

Message from THE CEO



FABRIZIO MOZZI

CEO of Baudouin

“At Moteurs Baudouin, we are driven by a singular vision: to be recognized as a global leader in innovative power solutions.”

Powering the digital backbone of our world demands unwavering commitment to excellence. Our generator sets power data centres, safeguarding the heartbeat of global connectivity. Every solution we engineer carries this legacy of precision, delivering the resilience that modern infrastructure demands.

In a world where each millisecond of uptime matters deeply, we stand as the trusted partner for mission-critical power generation.

BAUDOQUIN, POWER SOLUTIONS FOR DATA CENTRES



160%

is the projected growth in data centre 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 centre generator market by 2030, underscoring the indispensable role of backup power in ensuring uninterrupted digital operations.

Source: PowerGen Statistics



Time counts

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



Data centres 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 centre growth, ensuring consistent performance.

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



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

UNMATCHED POWER AND RELIABILITY

- Deliver up to 5250 kVA, 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

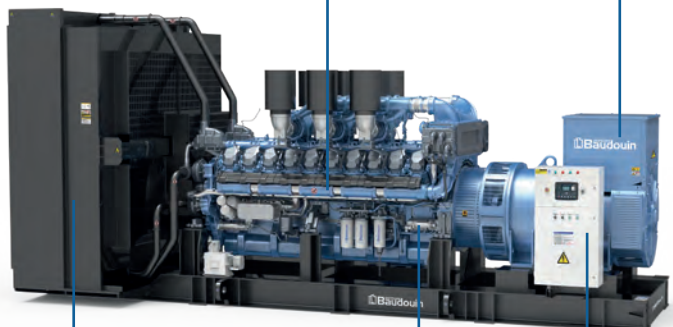
- Features a user-friendly design for straightforward installation. Seamlessly integrates into existing systems, simplifying deployment for operators.

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

M33 & M55

TECHNICAL HIGHLIGHTS

Provide data centre with uninterruptible 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 Centre
 Effectively responds to the nonlinear load

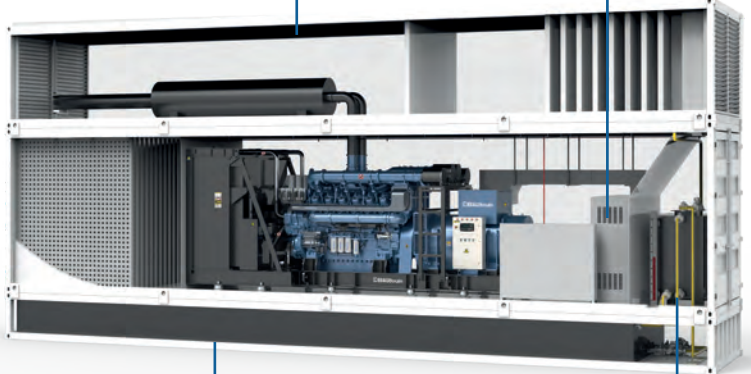
RADIATOR
 High ambient designed capability
 High performance
 Low noise

START MOTOR
 Dual redundant starters as standard

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

M33 & M55

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:

BAUDOUIIN GENERATOR SETS RANGE FOR DATA CENTRES



M33 & M55
UPTIME INSTITUTE
RATINGS PRE APPROVED



ALL GENSETS
SUITABLE TO BE
USED WITH HVO



ISO 8528-G3
COMPLIANT



UP TO 5250 kVA
HIGHEST RATING SPEED
GENSET AVAILABLE
WORLDWIDE

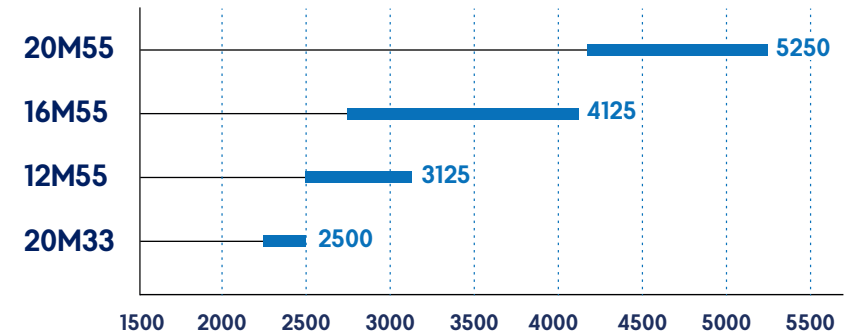


BEST-LEAD TIME
IN THE MARKET
< 12 MONTHS



Baudouin platforms are optimized for enhanced Data Centre Power ratings, with offerings such as:
The 20M33 providing 2500 kVA,
The 12M55 offering 3125 kVA,
The 16M55 delivering 4125 kVA,
and the 20M55 reaching an impressive 5250 kVA to meet the highest power demands of hyperscale projects.

POWER RATINGS (kVA)



Baudouin gensets combine advanced engineering with practical solutions to meet the most demanding data centre 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 centre 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.

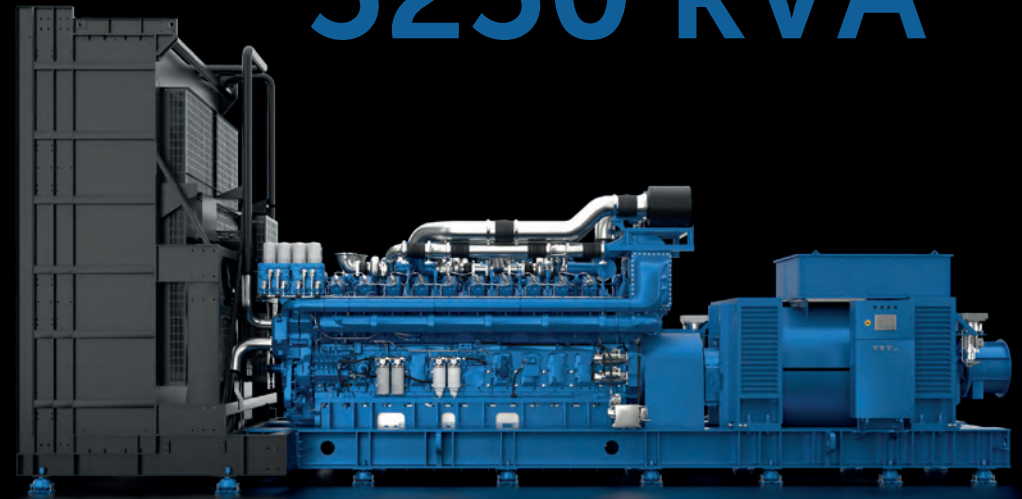
PROACTIVE MAINTENANCE ALERTS

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

5250 kVA



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 centre 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.

BAUDOIN 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 CENTRE 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 CENTRE?

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 Centre Engines”

For more information, contact:

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