modapower

Highest standards of
safety and quality

CRITICAL POWER SOLUTIONS FOR DATA CENTERS

MANUFACTURING | DIRECT SALES | ENGINEERING SUPPORT

modapower

Since 1977 **MODASA** has been a leading company in the manufacture and commercialization of **Generators Sets** for different applications in the market. In each area of our processes, productive and sales and after-sales, we have a complete team of **highly trained professionals** for the use and maintenance of each of the components of the international brands with which we work.

Our manufacturing plant is located in the district of Lurin, province of **Lima - Peru** and has a production capacity of up to **8,000 units per year**, from 8kW to 4200kW. We offer customized solutions, characterized by providing full flexibility in our designs, according to the requirements of each of our customers.

Furthermore, we have **ISO 9001:2015, UL 2200 and UL 142 certifications** among other international standards in addition, the development of EPA engines for the USA, ensuring that our equipment meets the highest standards of **safety and quality.**

SYSTEM CERTIFICATION ISO 9001 SGS

c UL US UL 2200

UL UL 142

CSA

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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 powered Generator Sets 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.

What you need for uninterrupted operations

1. Redundant backup power
2. Fast automatic transfer
3. Remote monitoring
4. Development of EPA powered generators
5. Fuel Autonomy (8-72 hours)

MOTEURS Baudouin
A WEICHAI COMPANY

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

OUR POWER SOLUTIONS OVERVIEW

BUILT TO POWER THE DATA CENTER INDUSTRY

With Modapower Generator Sets, data center operators can ensure reliable, efficient, and sustainable power solutions that meet the demands of today's mission-critical environments. They are compatible with oversized alternators for low and high-voltage applications, adapting to diverse facility requirements. NFPA 110 option available.

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 efective operation without compromising power output.

EASY INTEGRATION

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

With **Modapower Generator Sets**, data center operators can ensure **reliable, efficient, and sustainable** power solutions that meet the demands of today's mission-critical environments.

GENERATOR SETS
- Up to 5250 kVA
- Baudouin engines (EPA Tier 2)
- Stamford alternator
- Dual start motor redundancy

FUEL TANKS – UL 142 CERTIFIED
- Single or double wall
- 8 to 72 hours autonomy
- ASTM A-36 steel
- Customizable connections

OUTDOOR ENCLOUSURES
- 14 gauge carbon steel
- Fire-resistant design
- Sound attenuated
- Optional fire suppression

CONTROL & MONITORING
- Deep Sea, Comap, DEIF controllers
- BMS integration ready
- Remote 4G monitoring (DSE890)

The Uptime Institute is the global authority on data center standards and certifications.

Generating sets are critical components of backup power systems that ensure the availability, reliability, redundancy, and resilience of data center infrastructure.

Requires 99.995% availability
Redundancy: 2N or 2N+1
or fully fault-tolerant

Requires 99.982% availability
Redundancy: N+1
fault-tolerant

Requires 99.741% availability
Redundancy: partial power
and cooling

Requires 99.671% availability
Redundancy: none

GENERATOR SET
TECHNICAL HIGHLIGHTS

ENGINE

EPA Tier 2 emission option

Redundant starting system option

Super-high pressure common-rail fuel system for more peak fire pressure

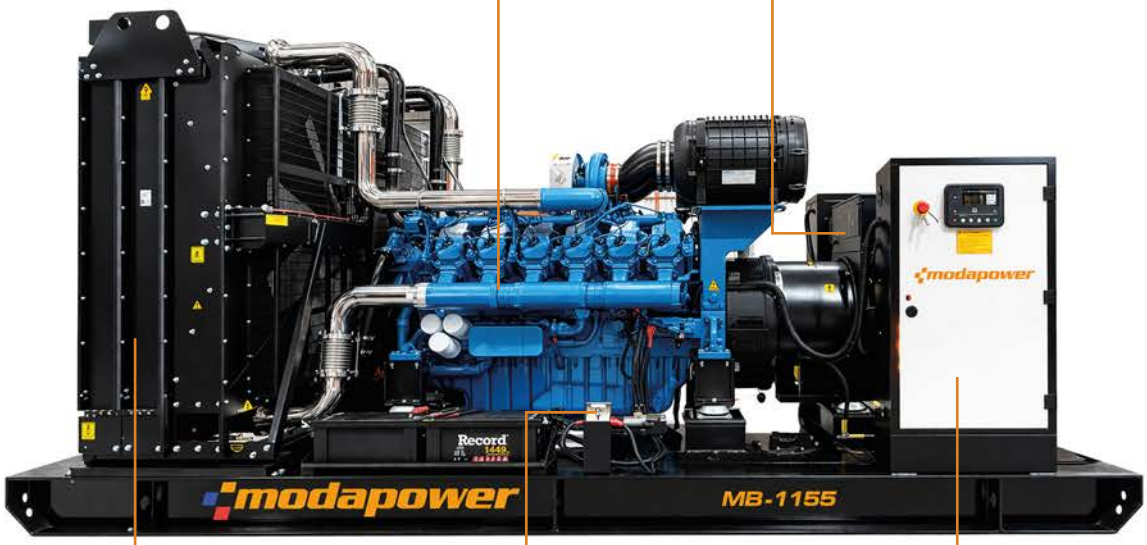
High allowable back pressure

ALTERNATOR

Specifically designed for data centers

Effectively responds to the nonlinear load

UL Listed



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

Alternator: Stamford
Intelligent control system: Deep Sea, Comap, DEIF,etc.
Radiator: Can be customizable for different temperatures.

GENERATOR SETS
CERTIFICATIONS

UL2200 CERTIFIED

UL142 CERTIFIED

EPA TIER 2 DIESEL ENGINES

ISO 9001:2015

ISO 8528 GENERATOR PERFORMANCE

CSA CERTIFIED
**Work in progress*

UP TO 5250 kVA HIGHEST RATING SPEED GENSET AVAILABLE WORLDWIDE

UPTIME INSTITUTE RATINGS

OPTIONAL ACCESSORIES

- 120V GFCI Receptacle
- 240V Receptacle
- Anticondensation Heater
- Battery Blanket Heater
- Battery Disconnect Switch
- Control Panel Heater
- DSE 2157
- Remote display module
- DSE 2548 Remote Annunciator (8 light)
- DSE 890 4G Gateway
- Battery Charger with NFPA 110
- Enclousure Space Heater
- Load Bank
- Motorized Louvers
- MX321/341 AVR UPGRADE
- Digital AVR
- OIL Pan Heater
- Battery Charger 10A - 20A
- Spring Isolator - Non Seismic
- Voltage Adjust Rheostat
- Racor fuel filter
- Master Display
- Fuel Drain Pump
- Oil Drain Pump

STANDARD TANK FEATURES (UL 142)

The standard features included in the manufacturing of our storage tanks. These specifications ensure compliance with industry standards, high durability, and operational flexibility for a wide range of applications.

UL142 certification under file #MH 65956

Fully customizable – high durability

The tank's usable capacity allows a reference continuous operation of 8 to 72 hours of autonomy

Single-wall and double-wall designs

Manufactured from ASTM A-36 steel in various thicknesses: 3, 4, 6, and 8 mm

Electrical "stub-up" areas according to customer requirements for electrical connections

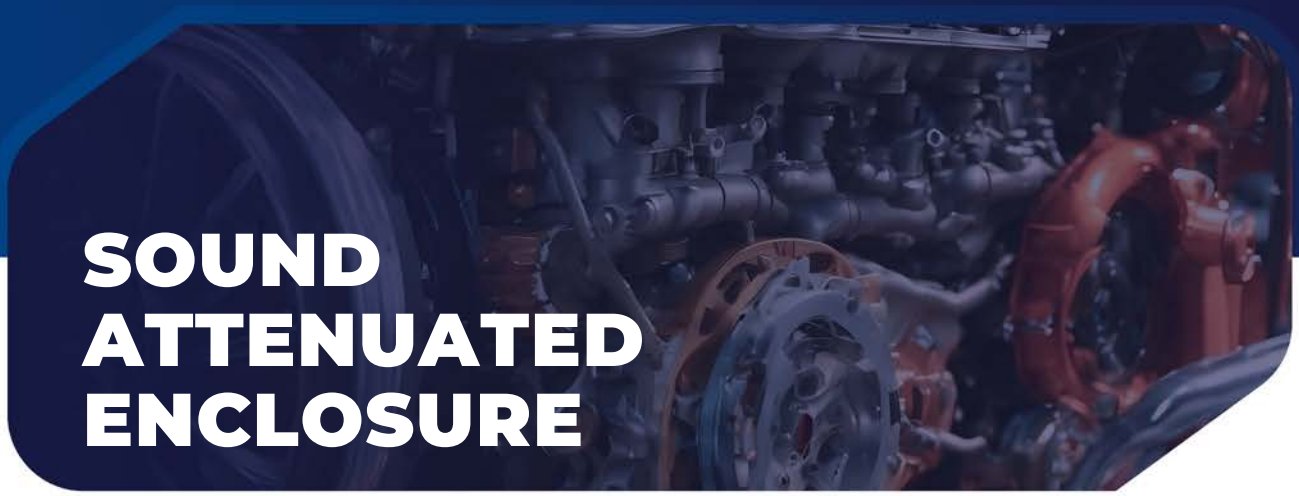
NPT threaded connections

Coatings: Black as standard

Lifting lugs included on the tank

All piping connections are supplied with plastic caps

Identification and safety plates included



SOUND ATTENUATED ENCLOSURE

Review the standard features of our sound-attenuated enclosures, designed to reduce operational noise and protect the generator set. These enclosures combine structural strength, thermal/acoustic insulation, and safety systems for reliable performance in demanding applications.

- 14 gauge carbon steel
- 2" thick polyurethane coating
- Electrostatic painting – 1,000 hour salt spray
- Emergency stop push button
- Thermally insulated exhaust system
- Drainage system to avoid liquid accumulation
- Easy access service doors
- Fire suppression system (optional)
- Designed with dedicated access and air exhaust systems to prevent gas accumulation in generator set enclousures.

MOTEURS Baudouin
A WEICHAI COMPANY

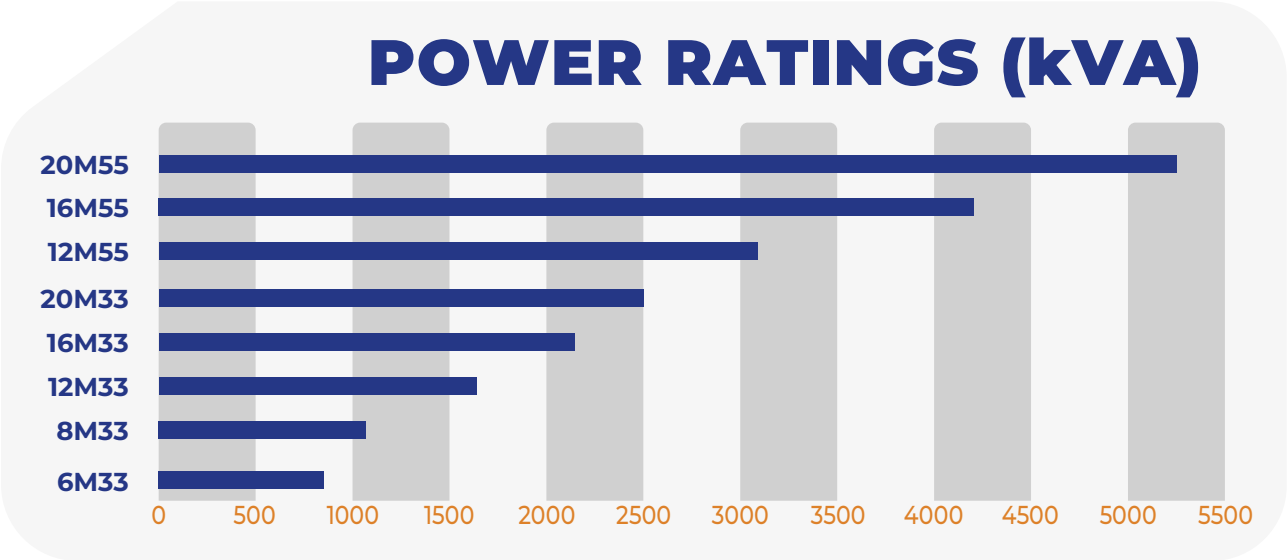
POWER RATINGS TABLE (DATA CENTER LINE)

Power ratings (kVA) for data center generator sets from ~500 to 5,000+ kVA. Voltages: 208–600V; medium voltage available on request. Table includes diesel engine, alternator, output, cooling, governor, and EPA Tier 2 emissions. Non-EPA engines available. Alternator models shown are for 3-phase 208–480V only. Specifications subject to change.

Voltages: Avalaible from 208V to 600V.
Medium Voltage: Ask for more details.
Specifications subject to change without notice.

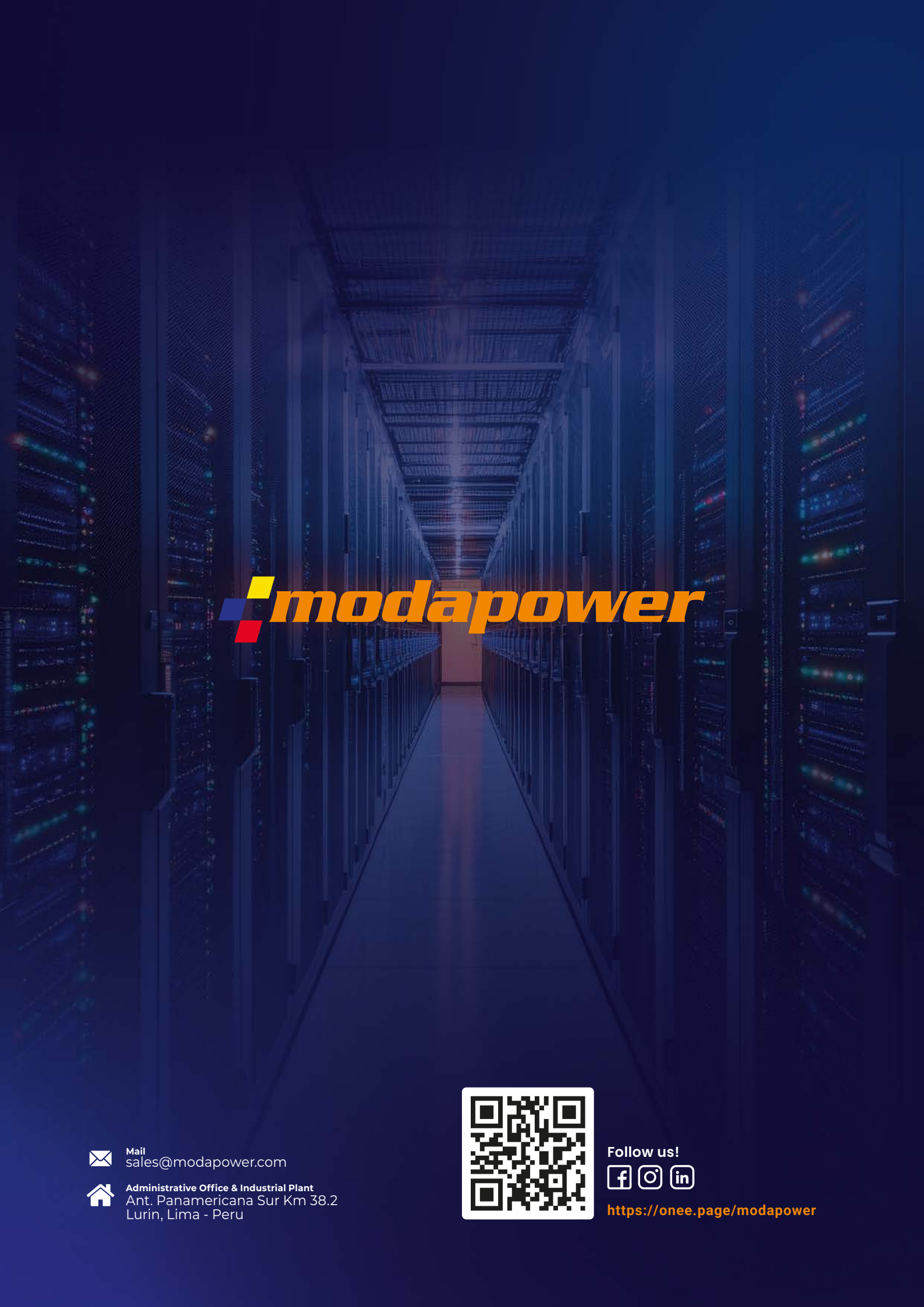
GENERATOR SET MODELS	DIESEL ENGINE MODELS	TYPICAL GENERATOR OUTPUT				ASPIRATION COOLING	GOVERNOR	EMISSION
		PRP		ESP				
		kWe*	kVA*	kWe*	kVA*			
MULB-600	6M33G8D2/6^	550	688	600	750	T/A-A	ECU	EPA Tier2
MULB-632	6M33G10D2/6^	600	750	633	791	T/A-A	ECU	EPA Tier2
MULB-644	6M33G12D2/6^	610	760	644	805	T/A-A	ECU	EPA Tier2
MULB-700	8M33G4D2/6^	640	800	700	875	T/A-A	ECU	EPA Tier2
MULB-840	8M33G6D2/6^	720	900	840	1050	T/A-A	ECU	EPA Tier2
MULB-1000	12M33G8D2/6^	900	1125	1000	1250	T/A-A	ECU	EPA Tier2
MULB-1300	12M33G12D2/6^	1100	1375	1292	1615	T/A-A	ECU	EPA Tier2
MULB-1500	16M33G2D2/6^	1400	1750	1500	1875	T/A-W	ECU	EPA Tier2
MULB-1750	16M33G4D2/6^	1600	2000	1744	2180	T/A-W	ECU	EPA Tier2
MULB-1800	20M33G2D2/6^	1600	2000	1800	2250	T/A-W	ECU	EPA Tier2
MULB-2000	20M33G4D2/6^	1800	2250	2000	2500	T/A-W	ECU	EPA Tier2
MULB-2300	12M55G4D2/6^	2000	2500	2290	2863	T/A-W	ECU	EPA Tier2
MULB-2500	12M55G5D2/6^	2250	2813	2488	3110	T/A-W	ECU	EPA Tier2
MULB-2640	16M55G2D2/6^	2400	3000	2640	3300	T/A-W	ECU	EPA Tier2
MULB-2800	16M55G4D2/6^	2560	3200	2800	3500	T/A-W	ECU	EPA Tier2
MULB-3000	16M55G6D2/6^	2640	3300	3000	3750	T/A-W	ECU	EPA Tier2
MULB-3300	16M55G8D2/6^	3060	3750	3350	4188	T/A-W	ECU	EPA Tier2
MULB-3600	20M55G2D2/6^	3300	4125	3600	4500	T/A-W	ECU	EPA Tier2
MULB-4000	20M55G4D2/6^	3600	4500	4000	5000	T/A-W	ECU	EPA Tier2
MULB-4200	20M55G6D2/6^	3800	4750	4200	5250	T/A-W	ECU	EPA Tier2

**Ask for NON-Epa Engine Models.*



SALES & SUPPORT

- Direct sales – No intermediaries
- Engineering support for project design
- Remote monitoring & technical support
- Spare parts ready for shipment
- Custom factory testing before delivery
- Lead times optimized for USA projects



modapower

Mail
sales@modapower.com

Administrative Office & Industrial Plant
Ant. Panamericana Sur Km 38.2
Lurin, Lima - Peru

Follow us!

https://onee.page/modapower