

ARKEN[®] GENERATOR

Life Goes On...

G E N E R A L C A T A L O G

ARKEN[®]



Discover
the potential

MISSION AND VISION

Our company was established in Arnavutkoy - Istanbul with 100% Turkish capital to produce, export, sales and after sales operations in the generator industry.

OUR MISSION

To be a company that creates value for our country and to all of our stakeholders . To provide permanent and sustainable customer satisfaction in sales and after sales services starting from the production stage. To respond rapidly to the special needs of our customers with technological and innovative solutions.

To become a leading company in our industry by means of meeting the customers' needs promptly with technological and innovative solutions

PRODUCTION AREA

Haracci Mah. Dolmabahce Cad. No:22
Arnavutköy/ ISTANBUL/ TURKEY



ISTANBUL DISTRICT OFFICE

ANATOLIAN SIDE

Cumhuriyet Mah. Nurol Sk. No:31
Uskudar / ISTANBUL / TURKEY



DISTRICT OFFICE AEGEAN

AtifBey Mah. Akcay Cad. No: 274/2
Gaziemir/ IZMIR / TURKEY



DISTRICT OFFICE ANKARA

100. Yil Buvari 1230 Sk. No:2
Ostim/Ankara TURKEY



DISTRICT OFFICE ANTALYA

Akkuyu Mah. Anadolu Cad. T Bilginer Apt. No 142/B
Konyaalti ANTALYA/ TURKEY



QUALITY POLICY

Life Goes On...

Quality policy

To apply and implement Total Quality Management in every step, from the supply stage up until the final stage of reaching the customer

To create long term associations with our previous and new customers.

While taking all safety measures, we give utmost attention to our employees' personal and professional development.

In our investments and activities, we consider all of our stake holders at the highest level.

We are always in line with the "Social Responsibility Principles".

We aim to leave a clean environment for the future generations.



Production and Development

In our 14.000 m² indoors production facility, all necessary components are manufactured in accordance with ISO 8528 standards.

We have,

- TS EN ISO 9001-2008
- TS EN ISO 14001-2004
- OHSAS 18001: 2007
- TSE
- CE MANUFACTURING COMPETENCY
- TSE-HYB
- WARRANTY DOCUMENT
- AFTER SALES SERVICE QUALITY DOCUMENT
- GHOST CERTIFICATES



Arken Generator, believes in the power of technology and innovation, and taking customer needs into consideration, follows the most advanced technological developments by renewing its production techniques continuously and adding new equipments.

For generator sets, all the cabin and chassis materials are manufactured with high precision press brake equipments in house.

In the cabin design, special acoustic design and sound attenuation measures are taken at the suction and discharge points. All these operations are carried out by our highly specialized engineers.

Our "Quality Management System" policy and strength analysis, warehouse tests and gas welding applications are carried out within the framework of quality standards.

In addition to this, CNC PUNCH with 1500x3000 table size and cutting of cabin and chassis materials are done by Arken Generator.

The cabins are painted with environment friendly, durable electrostatic powder paint.



OUR SOLUTIONS PARTNER

MOTEURS
Baudouin

QUANCHAI
全柴

Perkins®

Cummins®

SDEC

MITSUBISHI

ARKEN®

DSE®

STAMFORD

ABB

NEKRA
GENERATORS

LINZ
ELECTRIC

LEROY SOMER®

ARKEN®

WHY ARKEN?

In all our products, we reflect our 20 plus years of genset industry experience;

- From the supply stage to the end user, we use "Quality Management Systems" .
- We are able to carry out custom tailored engineering for special projects.
- Production and Development is very important for us. We utilize the power of innovation and technology.
- We ensure that all of our components comply with ISO 8528 standards and international standards.
- We are result - oriented, proactively working company. We use quality and safety principles in all of our projects
- We provide "7/24" Call Center Service" for emergency situations.
- We have original spare parts stock for all our products.
- We give attention to the needs and shortcomings of our customers with our specialized staff to provide a trouble free services.
- We offer you the silence that you need with maximum quality with the sound insulation cabinet 74db(A).
- We are always at your service with our quality and reliable after sales service.





OUR SERVICES

Arken Jenerator, which takes the road with mutual trust and sustainable service policy, provides you long-life and economical solutions with its experienced and good-humoured sales team.

TECHNICAL CONSULTANCY

SUPERVISION

EXPERT INSTALLATION

DEMOUNTING

PERIODIC CHECK UP,

WELL TRAINED SPECIALISTS

ORIGINAL SPARE PARTS

WITH FAST DELIVERY

LOAD TESTING

MOBILE LOAD BANK

7/24 FAST AND SAFE

EMERGENCY TECHNICAL S

SERVICE SUPPORT

ARKEN

ARKEN®

OUR SOLUTIONS

Based on the needs of our clients, we provide custom tailored solutions.



MEDIUM VOLTAGE GENERATORS

Medium (MV) or High Voltage (HV) power generation is typically used where the power rating causes current at Low Voltage (LV) to exceed practical limits. In a practical sense, this occurs when the system capacity exceeds 4000 amps or more. It may also be desirable when power must be distributed to points at a significant distance from the generator set.

Single generator rated at above 2.5 MVA and paralleling generators rated at above 2 MVA are good examples of equipment that is commonly considered for MV applications. MV alternators are not economically practical at less than a proximately 1000 kW. At levels less than 1000 kW, it is probably desirable to consider the use of a low voltage machine with a step up transformer. When designing an MV or HV installation, consideration must be given to training and qualification of the personnel operating the system owing to the higher level of safety precautions required with these systems.

In the generator systems where the medium voltage alternator is used;

- Conduction losses and voltage drop are reduced,
- The productivity of the distribution system is increased,
- Installation and maintenance costs are reduced.
- Since there is no need for bulky cabling, both the image is intact and the safety is increased.



In Arken Generator, such technical infrastructure and engineering projects are taken seriously and after the detailed analysis and evaluations are made, project planning phase is started. As an example of Medium Voltage Generators, prime 8000 kVA 10000 Volt synchronous diesel generator sets with autonomous working and sound proofed cabin can be given as a backup power source to the network energy used in Anatolian Side Justice Complex in Istanbul which works perfectly.

PARALLEL OPERATION

In the case where the power of the electrical load is greater than the generator power generated several generators working together as a single generator to meet the load which is called synchronized or Parallel Operation to the electrical load.

In production of diesel engines, areas of use define the quantity and since the broadest range of use is in heavy construction machinery, automobiles, lorries and trucks engines upto 550 kW are manufactured on serial production lines. Large quantities and use of serial production methods keep the cost per kW at reasonable levels compared to engines of higher power. Choosing

1. Low operating cost
2. Low initial setup cost
3. Low maintenance cost
4. Longer system life
5. Flexible use
6. On safety
7. Easy to find spare parts
8. Faster production and delivery time

ARK-P GENERATOR SETS

PERKINS SERIES 10 - 2500 kVA

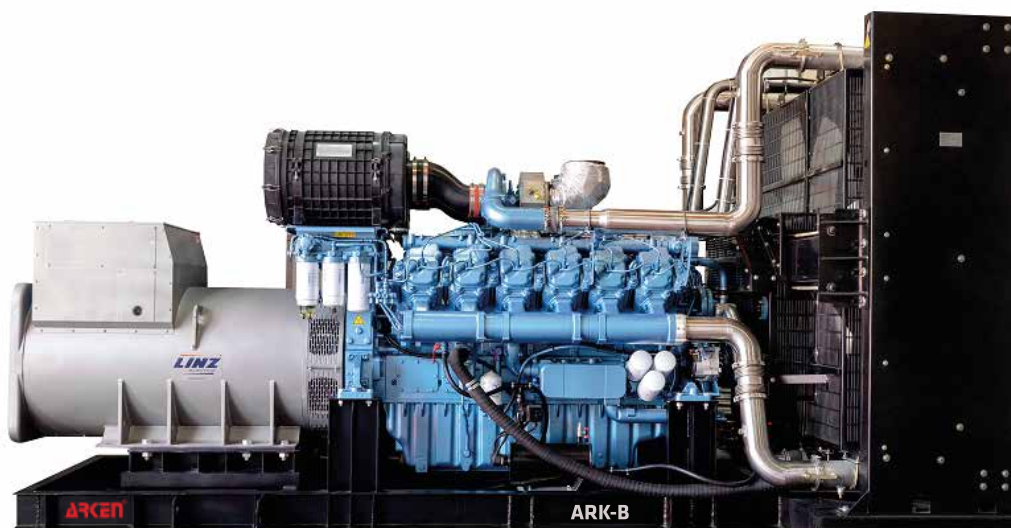
World class manufacturing facility produces the compact yet powerful range of engines which deliver dependable and cost effective power for machine manufacturers and end-users in the construction, agricultural, materials handling and electric power markets.



ARK-B GENERATOR SETS

BAUDOUIIN SERIES 20 - 2750 kVA

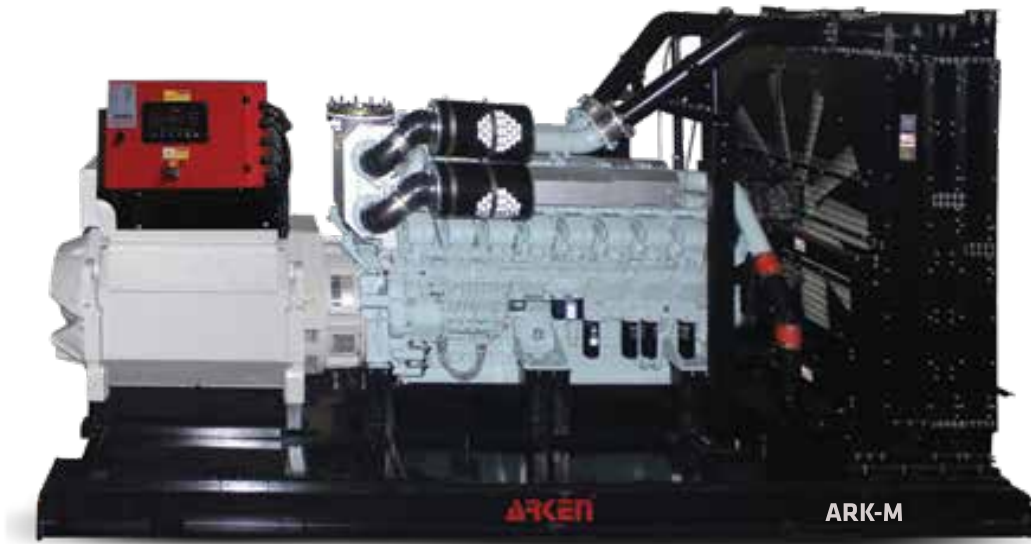
The company's products have strong reliability, good economy, have a long overhaul period, stable performance and ergonomic design. The company focuses on providing customers with high quality products and services around the world.



ARK-M GENERATOR SETS

MITSUBISHI SERIES 8 - 2500 kVA

Mitsubishi Corporation is a global integrated business enterprise that develops and operates businesses across virtually every industry including industrial finance, energy, metals, machinery, chemicals, living essentials and environmental business.



ARK- C GENERATOR SETS

CUMMINS SERIES 28-2500 kVA

Cummins Inc. In 1919, headquartered in Indiana (USA), it is one of the leading manufacturers. The Cummins product range includes hybrid and electric platforms from diesel and natural gas engines, as well as battery systems, fuel systems, controls, air treatment, filtration, emission solutions, and power generation systems. In addition, Cummins aims to grow further each year, with more than 6,000 dealer networks in more than 190 countries.



ARK-S GENERATOR SETS

SDEC SERIES 66-1010 kVA

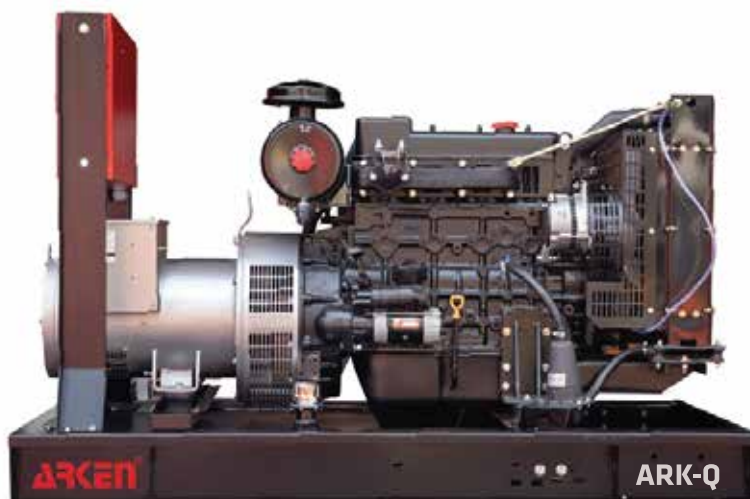
SDEC manufactures 66-1010 kVA diesel engines with new technology and successfully competes with European and American brands.



ARK-Q GENERATOR SETS

QUANCHAI SERIES 12-120 kVA

Quanchai is an engine manufacturer with closed integrated automatic production line focused on technological transformation and innovation, static modeling, EPC production, horizontal vertical conversion processing center, intelligent robot, AGV and RGV transport, operating on international advanced technology and equipments.



BRIGGS STRATTON GASOLINE GEN SETS

BRIGGS & STRATTON 3,5 - 8,5 kVA

Briggs & Stratton is an American industrial company primarily involved in engineering, developing and manufacturing internal combustion reciprocating gas engines. It is the world's largest manufacturer of air-cooled gasoline engines primarily for outdoor power equipment.



ARK 700 E MODEL

Trans - AMF

- CanBusJ-1939 ECU communication
- Remote management via USB port and PC software
- Turkish, English, Chinese, Russian, German, Spanish, French language options
- 128 x 64 graphics with LCD display
- Built-in buzzer for alarms
- Storage of the last 50 event log and alarm information
- Statistical data recording
- 3 phase network, 3 phase generator voltage, 3 phase load current and earth leakage current measurement

- Configurable 10 digital inputs, 4 relays and transistor outputs
- Programmable weekly work permit schedule
- Easy to use with shortcuts and navigation buttons
- User-changeable display messages
- 4 analog resistive inputs can be selected from the program menu
- Patented, easily applicable expansion and communication module structure
- Automatic Generator control and load transfer
- 229 x 152 x 41 mm panel mounting type
- Wide operating temperature of -20 ° C ... + 70 ° C
- Remote monitoring and management...

USE

AMF/ATS Unit - Remote control - Manual Start Control
Engine Control - Remote Imaging and Control Unit -
Waveform Imaging (V & I)

Harmonic Analysis (V & I)

E-MAIL - GSM - SMS - EXTERNAL MODEM - ELECTRONIC
ENGINE MICRO SD MEMORY - USB FLASH MEMORY
REMOTE DISPLAY PANEL - PLC - CENTRAL MONITORING

EMBEDDED WEB SERVER - PC

WE ARE AROUND THE WORLD, EVERYWHERE

United Kingdom - Greece - Kosova - Hungary - Germany - Romania - Russia - Georgia - Azerbaijan - Kazakhstan - Turkmenistan
Thailand - Iran - Iraq - Syria - Somalia - Ethiopia - Kenya - Nigeria - Ghana - Eritre - Liberia - Ivory Coast - Senegal
Morocco - Algeria - Libya - Cyprus - Rwanda - Qatar - Dubai - Bulgaria



OUR EXPORT NETWORK

- Arken Generator's quality is preferred not only in Turkey but also around the world.
- As Arken generator, we produce our products in accordance with EU legislation and with CE certificate.
- We constantly improve the quality and service of Arken by establishing distributorships in our territories .
- We aim to make our customers feel safe and always able to get full customer support.
- We represent our country with our references and in the exhibitions we participated from Europe to Middle Asia and Africa.



• AZERBAIJAN

- ASAN Service Building
- Diesel Generator Project
- 2 X 550 kVA Synchronous Diesel Generator

• IRAQ

- Building Project
- Diesel Generator Project
- 7 X 550 kVA Synchronous Diesel Generator

• AZERBAIJAN

- Road Side Project
- 2 X 115 kVA, 2 X 155 kVA, 135 kVA,
- 235 kVA Diesel Generator

• ETHIOPIA

- DH GEDA TOWER
- 720 kVA Diesel Generator Project

• ROMANIA

- Tekstile Factory Project
- 725 kVA Diesel Generator Project

• UK

- Hall Farm Diesel Generator Project
- 12 X 600 kVA Synchronous
- Diesel Generator Project

• UZBEKISTAN

- Data Centre Project
- 6 X 33 kVA Diesel Generator

• CHILE

- Hospital Project
- 3 X 660 kVA, 825 kVA

• RUSSIA

- Sponge Factory
- 725 kVA Diesel Generator Project

• RWANDA

- Kigali Business Center
- 2 X 550 kVA
- Synchronous Diesel Generator

• THAILAND

- Hospital Project
- 560 X 560 X 375 kVA
- Synchronous Diesel Generator

• TURKMENISTAN

- Research-Application Hospital
- 4 X 1650 kVA
- Synchronous Diesel Generator

COURTHOUSE COMPLEX
Prime 8000 kVA, 10000 Volt
Parallel Operation GENERATOR PROJECT



• DATA CENTER PROJECT

2 X 1400 kVA, 2 X 2250 kVA
Synchronous Diesel Generator



• HOSPITAL PROJECT

5 X 850 kVA
Synchronous Diesel Generator



• HOTEL PROJECT

2 X 600, 2 X 550 kVA
Synchronous Diesel Generator



• SPORT PROJECT

2 X 800 kVA
Synchronous Diesel Generator



• BUILDING PROJECT

2 X 800 kVA, 2 X 600 kVA
Synchronous Diesel Generator



• RESIDENCE PROJECT

2 X 750 kVA, 440 kVA, 300 kVA
Diesel Generator



INTERNATIONAL FAIRS

- [A-Tech Exhibition / Turkey \(2019\)](#)
- [Electricity Expo / Egypt \(2019\)](#)
- [Middle East Electricity / Dubai \(2019\)](#)
- [WIN Eurasia / Istanbul \(2019\)](#)
- [Middle East Electricity / Dubai \(2018\)](#)
- [WIN Eurasia / Istanbul \(2018\)](#)
- [Batimatec / Algeria \(2017\)](#)
- [21.ELCOM /Ukraine \(2017\)](#)
- [4. Project Construction / Kenya \(2016\)](#)
- [Batimatec / Algeria \(2016\)](#)
- [Win Automation Fairs / Turkey \(2016\)](#)
- [Middle East Electricity / Dubai \(2016\)](#)
- [Electricx / Egypt \(2015\)](#)
- [The 6th Addisbuild / Ethiopia \(2015\)](#)
- [Elec Expo / Morocco \(2015\)](#)
- [Win Automation Fairs / Turkey \(2015\)](#)
- [Turkmen Spring Construction / Turkmenistan \(2015\)](#)
- [Middle East Electricity / Dubai \(2015\)](#)
- [Gaziantep TUMSIAD Fair / Turkey \(2014\)](#)
- [Elex 3. Fair / Istanbul \(2014\)](#)
- [Johannesburg Electra Mining / G.Africa \(2014\)](#)
- [Energetika & Elektotecnika / Russia \(2014\)](#)
- [Erbil Building Exhibition / Iraq \(2014\)](#)
- [Budma International Building Fair / Poland \(2014\)](#)
- [Win Automation Fairs / Turkey \(2014\)](#)
- [Baku Build Fairs / Azerbaijan \(2013\)](#)
- [Rebuild Fairs / Libya\(2013\)](#)
- [Win Automation Fairs / Turkey \(2013\)](#)



OUR HUMAN RESOURCES

Our Human Resource Department introduces training programs in order to enable our employees to quickly adopt to the changing local and global conditions and continuously improve their competencies.

Our main goal is to ensure that each individual is a creative, problem-solving, result-oriented, process-based, informed and flexible thinker. We try to do this by providing our employees with all the information they need.

Our trainings start with the Orientation Program, which we have implemented for all of our new employees. We further continue with individual programs when necessary..

Our technical competence programs designed to continuously improve our employees and make them more productive.

SOCIAL RESPONSIBILITY PROJECTS

All along, Arken Generator has supported the development of young people and aimed to meet them continuously on various platforms.

- Arken has been participating in "Career Days" in collaboration with Istanbul Metropolitan Municipality and Istanbul Aydin University since 2012 and has been a guide to young people in their future planning
- Kasgeg (Human Resources and Personal Development Program)
- Getek (Career Days of Istanbul Technical University)
- Mektebim College (Successful Pathway Conferences)

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