ARKEN GENERATOR
Life Goes On...

STAMFORD®
PRIME POWER

Case history

Reliable power for uninterrupted operations

Where:
Sivas, Turkey

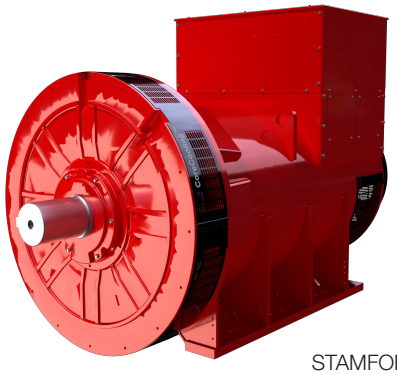
Specified:
STAMFORD S7

Prime Mover:
Baudouin 16M33G1900/5

Purpose:
Reliable and uninterrupted power supply

Established in 2012, Arken Generator set out with the motto “Life Goes On” with 100% Turkish capital. Operating from their facility in Arnavutköy, Istanbul, Arken has the capacity to produce 5,000 generator sets per year ranging from 2 to 2750 kVA.

In addition to its central factory, Arken creates energy solutions with its service network spread throughout the country with established distributorships from the Middle East to the Turkish Republics from Europe to Africa.



STAMFORD S7

STAMFORD | AvK™
POWERING TOMORROW, TOGETHER

“STAMFORD | AvK provides reliable and innovative power solutions”

ARKEN GENERATOR
Life Goes On...

Arken produces renewable energy hybrid generators under the Arken Solar brand, which it launched in 2019. Arken Solar Hybrid generator undertakes the mission of protecting the environment and supporting energy efficiency while providing uninterrupted power. This innovative technology offers an environmentally friendly energy solution by combining sustainable energy sources with conventional energy production.

Capable of producing diesel generators between 2 to 2750 kVA, Arken Generator provides uninterrupted energy to different sectors and daily life with the technological and innovative solutions it offers. Arken, which has carried out successful projects abroad by establishing distributorships from the Middle East to the Turkic Republics, from Europe to Africa, exports to more than 72 countries.

Sivas Cumhuriyet University, a pivotal healthcare institution in Turkey, was established in 1974, in commemoration of the 50th anniversary of the Republic of Turkey. The foundations of the Health Services Application and Research Hospital were laid in September 1975 and put into service in late 1992.

The University was in the need of a reliable power back up system essentially to support during any mains power interruptions.

Arken Generator, known for its high-value diesel generators, partnered with STAMFORD | AvK to provide a robust solution. Eight STAMFORD S7 alternators, paired with Baudouin 16M33G1900/5 engines, each delivered 1925 kVA of prime power. These generators, originally operating at 400V, were stepped up to 34.5 kV using transformers, ensuring synchronisation at the higher voltage required by the University.

With the support of STAMFORD | AvK’s expertise in application engineering and technical support it was crucial to overcome the complexities of synchronisation and voltage transformation, delivering a solution that meets the highest standards of reliability and efficiency.

The installation of an advanced synchronisation system ensures that Sivas Cumhuriyet University can rely on a continuous power supply. This system guarantees that all critical medical equipment remains operational during power outages, significantly enhancing patient’s care and safety. Aligned with commitment to sustainability, this project not only ensures operational efficiency but also contributes to the hospital’s sustainability goals. These energy solutions are designed to minimise fuel consumption and reduce maintenance costs, delivering both environmental and economic benefits.

The successful implementation at Sivas Cumhuriyet University Hospital underscores STAMFORD | AvK’s dedication to providing reliable and innovative power solutions. Arken Generator’s collaboration with STAMFORD | AvK is a testament of ability to meet specific customer needs and deliver peace of mind through dependable power continuity.

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