

EURO-DIESEL LAUNCHES THE NEXT GENERATION DIESEL ROTARY UPS SYSTEM

DESCRIPTION

Paper N° : **2014-R009**
Revision : **01**
Date : **4 March 2014**
Version : **EN**
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PRESS RELEASE

THE NEXT GENERATION DIESEL ROTARY UPS SYSTEM BY EURO-DIESEL

At an age where data usage grows at an incredible pace, one must not neglect the economic impact this will bring to the players of the internet supply chain in the near future. According to Computer Business Review, the number of businesses that move their ITC infrastructure to cloud services will increase 20% globally from 2013, and spending will reach \$172,4b by end of 2014 and \$235,1b by 2017.¹

In order to take advantage of this opportunity, data centres must cater themselves to the growing demand. On the other hand, as policy makers put even more emphasis on environmental issues² and with the increasing awareness for companies to go for greener solutions, data centres naturally get under the radar for their performance and competitive advantages in these areas.

The main factors they often have to bear in mind are the requirements for better PUE and a higher white space ratio, along with the entities' initiatives to contribute to the society by being environment friendly, for instance.

In the light of these events and notably on an increased attention given on energy-efficient equipment in data centre markets³, EURO-DIESEL launches the next generation of Diesel Rotary Uninterruptible Power Supply (DRUPS) systems: the NO-BREAK KS[®]7e.

At up to 2750kVA/2200kW (50Hz) or 3000kVA/2400kW (60Hz) per unit: the NO-BREAK KS[®]7e is engineered specially for data centre applications, taking into great consideration the enhancement of energy saving features, the high power density and the autonomy it can give to the end-user.



NO-BREAK KS[®]7e, 2750kVA or 3000kVA fully operational within 70m²

The NO-BREAK KS[®]7e has been designed to deliver the highest power output with a more advantageous efficiency—all that in an even more compact build DRUPS power module (-20% than other DRUPS modules). As for the end-user, it means that they will be able to fit in the NO-BREAK KS[®]7e system in a space-constrained premise and therefore liberating more space for revenue-generating IT equipment racks. This allows up to 40 to 50% of space savings over battery-backed UPS solutions and eventually, the achievement of a better PUE.

More interestingly for small-sized data centres that are set to dominate the market for the next 5 years, as stated in Frost & Sullivan 2013 report, the NO-BREAK KS[®]7e 's high power output per unit will enable such data centres to deploy fewer UPS units to secure an ever increasing IT loads.

¹ Global Cloud Spending To Reach \$235.1Bn by 2017 – CBR, 17 Feb 2014.

² Single Market for Green Products Initiative – European Commission. The Kyoto Protocol and The Green Grid.

³ Analysis of Global Data Centre UPS Market -- Frost and Sullivan, Dec 2013

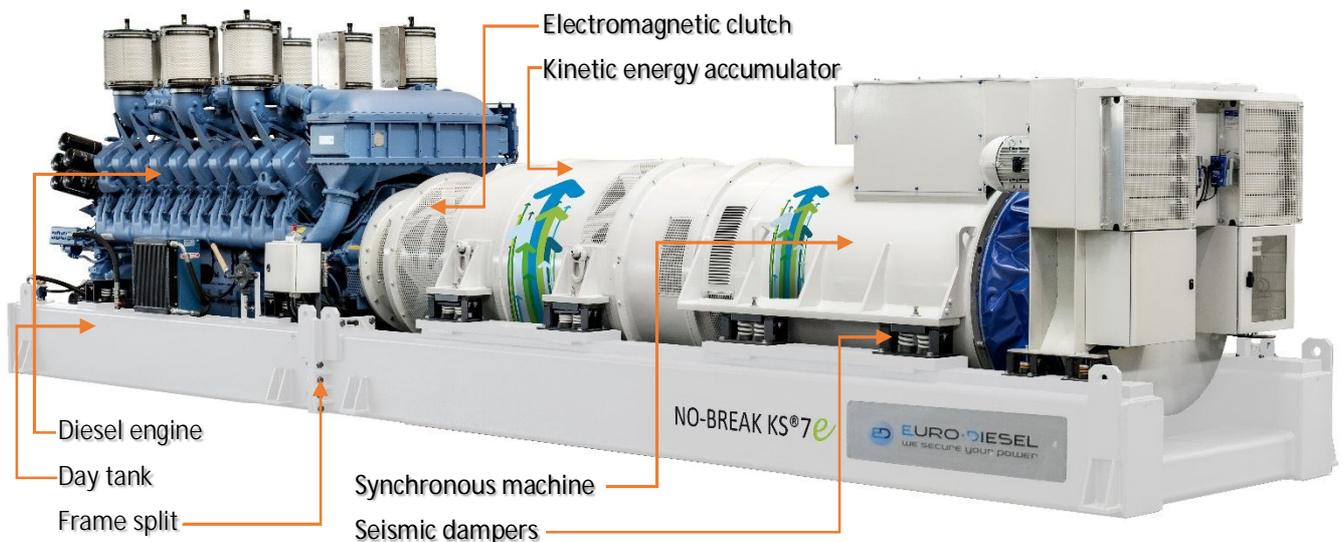
Even better efficiency and 100% uptime? You've got it.

The precision design of the NO-BREAK KS[®]7e has eliminated over 20% of the system losses over its nearest competitor today. All these are made possible through the newly installed features; the variable cooling, the Eco-Mode function and an optimized design.

This variable cooling system is self-adaptable and reliable. Depending on the ambient temperature, the end-user's load, and the internal temperature of the stato-alternator (kinetic energy accumulator and synchronous machine), the ventilation system will adjust its operating speed. Totally redundant, the fans will commute from one to another with different time frame intervals.

At partial load, the NO-BREAK KS[®]7e can be programmed to run in Eco-Mode – the speed of the kinetic energy accumulator can be reduced when load capacity is reduced. This helps to reduce the energy needed to operate the DRUPS and thereby increases power efficiency as a whole.

Other special features include automatic greasing which allows 100% uptime, seismic approved dampers (1.39G) for seismic prone areas, split frame with an option to integrate the daily fuel tank in the base frame to further reduce the footprint.



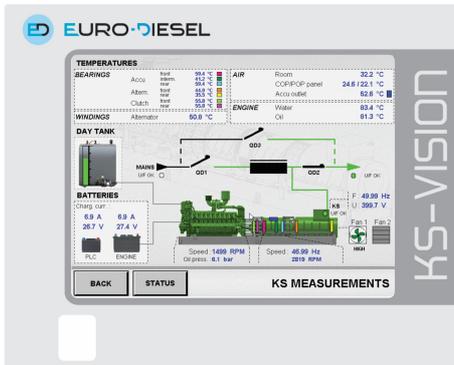
Tailored configuration, any way you need.

Be it 5MVA or 50MVA, installed in the basement or on the rooftop, housed in an enclosure, or simply order as and when needed, there is a solution with EURO-DIESEL. Just like the NO-BREAK KS[®]5⁴, the NO-BREAK KS[®]7e is completely scalable and modular.

Available in building blocks of N, N+N, N+1, 2N, 2N+1 as well as in Isolated Parallel configuration, the system can be configured at low or medium voltage and is designed to meet Uptime Institute's specifications.

With over 25 years of activity in the market and a reliable network of business collaborators worldwide, EURO-DIESEL has the expertise to consult, configure, custom build, install, commission and service NO-BREAK KS[®] systems, providing a 360° turnkey project management.

⁴ EURO-DIESEL's NO-BREAK KS[®]5 is the avant-garde DRUPS system with ratings from 200 to 2500kVA (50Hz) or up to 3000kVA (60Hz).



Other standard features of the NO-BREAK KS[®]7e are:

- Guaranteed Redundant Start,
- Maintenance Free Clutch,
- Fuel Cooler,
- Emissions Compliant Engines,
- Continuous Vibration Monitoring, and
- Industry Leading KS-VISION[®] HMI Control Panel with the additional controls of the new features (alternator ventilation control and temperature sensors).

Figure 1 : KS-VISION[®]

For more information, contact us or visit www.euro-diesel.com/en/no-break-ks7e.

About EURO-DIESEL

EURO-DIESEL is a global turnkey Diesel Rotary UPS systems provider who aims to secure power supplies and ensure business continuity worldwide by providing innovative solution and unparalleled service. Established in 1989 in Belgium, EURO-DIESEL has grown in size and in revenue and has established subsidiaries and distributors' partnerships in major parts of the world today.

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