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“NEW C87 TE1D”.

The new C87 TE1D - already available on the market for diesel engine electricity generators for some months - is currently on show at the PowerGen Exhibition in Madrid, one of the main international appointments in the Power Generation sector. The latest jewel from Fiat Powertrain Technologies is an engine boasting architecture based on 6 in-line cylinders with a displacement of 8.7 Lt; it is already available in calibrations of 235 kW @1,500 rpm (265kVA PRP @ 50Hz) and 276 kW @1,800 rpm (290kVA @ 60Hz) with Stage II and EPA Tier 3 type-approvals.



The main innovation compared to C series medium-power engines is the introduction, in place of the injector-pump system, of a second generation Common Rail injection system, thanks to which the engine achieves the power performances indicated without requiring other devices. Moreover, advanced engine control unit technology ensures selection of rpm settings (1500 or 1800 rpm) simply by setting an interface card - that includes other functions such as fault signals

(blink code), as well as Can-Bus and diagnostics contacts.

The C87 TE1D is characterised by a compact, functional lay-out - a feature distinguishing all FPT production - flanked by high performances achieved without needing systems such as VGT and external EGR. Full power is assured up to 40°C and 1000 m above sea level.

The minimum cold start temperature without auxiliaries is -15°C, while the grid heater ensures starting even at -25°C.

Thanks to extended maintenance intervals (600 h for replacement of filters and gearbox oil), the engine is particularly appreciated for major savings in terms of running costs, as well as fundamental reductions in oil and fuel consumption and the implementation of advanced technical solutions, such as micro-filtration of the cartridges used, and design features, such as the "suspended" oil sump.



Engines and Transmissions



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The reliability of the engine is assured by the high quality of the components used, including lifetime-warranted Poly-V belts.

Environmental awareness is a key item in the development of FPT products and this engine is equally characterised by conformity with the strictest standards and regulations and a further reduction in noise levels.

The C87 TE1D now joins the already extensive updated range of FPT products and its network ensuring global technical assistance, spare parts supplies and timely, efficient client services.

Marketing news