



Continental Motors

Press Release

Continental Motors Receives FAA & EASA STC for Diesel Retrofits of Cessna 172 with CD-155 and Garmin G1000 Avionics

Garmin® G1000® integration +++ Higher Performance +++ Lower Maintenance, 2100 hour TBR

Mobile (AL, USA), April 6, 2017—Continental Motors Group Ltd, an AVIC International Holding Corporation company, announced it has received both its American and European supplemental Type Certificate (STC) by the Federal Aviation Administration (FAA) and the European Aviation Safety Agency (EASA) for the Cessna® 172 family of aircraft powered by the jet fuel diesel engine CD-155 (114 kW, 155 HP). The certification now includes the integration of Garmin® G1000® integrated avionics system.

The European STC allows the direct conversion (retrofit) of avgas engine equipped C172™ to Continental Motors Group's industry leading diesel power plants. To display engine data in the avionic system for the models 172 R and S the integration of Garmin G1000® NAV III avionic with Wide Area Augmentation System (WAAS) is required.

Previous G1000 installations and aircraft models continue to use the CED and AED engine displays. The retrofit kit includes a larger propeller outperforming conventional equipment in climb as well as cruise as well as G1000® integration. The engines come with a lifetime of 2,100 hrs. and long maintenance intervals for improved cost of ownership.

“Continental continues to invest in research, development and production quality enhancements. We are proud to have achieved our common certification goals that allow us to bring the latest versions of a great product to the market,” said Jürgen Schwarz, Senior VP Engineering of the Continental Motors Group (CMG). *“This STC clears the way for European and American Cessna 172 owners to benefit from*



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Continental Motors efficient and reliable Jet-A or diesel CD-155 engine solution, with all engine data displayed on their G1000. With this STC now approved by both EASA and the FAA, flight schools, fleet operators, and recreational users can reduce their fuel and maintenance costs, regardless of the avionics installed in their Cessna® airframe,” he added.

Powered by the Continental Motors CD-155 diesel engine and a MTV-6-A/190 prop, the Cessna® 172 cruises at a maximum speed of 135 KTAS at 8000 ft. Best economy cruise at that altitude is 109 KTAS, while burning only 4.9 gph (18,5 l/h) of Jet-A fuel vs. 8.1 gph (30,7 l/h) with the traditional avgas engine powered version of the aircraft. Maximum rate-of-climb is 833 ft/min, still providing a 638 ft/min climb rate at 12,000 ft.

The engine, combined with the G1000® integrated cockpit, provides the pilot with the latest technology available, while reducing his workload through single lever and FADEC control (Full Authority Digital Engine Control). Available from Cessna® as a factory new aircraft and configured with a special flight school interior, the Cessna® 172 JTA Turbo is perfectly suited to stand up to the rigors associated with flight training. Further, the Cessna® 172 offers competitive operating economics with a proven airframe that is particularly well suited for flight training organizations worldwide.

Next to the R and S model with the G1000®, all models from Cessna 172 F to S have been validated by the FAA to get CD-135 and CD-155 diesel engine installations.

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AVIC International Holding Corporation was set up in 1979, with majority shares owned by Aviation Industries of China (AVIC). Headquartered in Beijing, the assets of AVIC International represent up to 280 billion RMB. The company has over 100,000 employees across 400 subsidiaries, is located in over 60 countries, and possesses eight publicly listed companies. AVIC International is a well-diversified company, with holdings in International Civil Aviation, Trade & Logistics, Retail & High-end Consumables, Real Estate and Hotel Management, Electronics Manufacturing, and Natural Resource Development. More information can be found at www.avic-intl.cn.

Continental Motors Group™, Ltd. of Hong Kong, China is a subsidiary of AVIC International Holding Corporation of Beijing, China. Its mission is to provide advanced gasoline and Jet-A piston engine products, spare parts, engine and aircraft services, avionics equipment and repairs as well as pilot training for the general aviation marketplace. Continental is an international operation employing approximately 460 team members in Mobile, Fairhope and Miami, USA; 200 team members in St. Egidien, Germany; and 8 team members in Beijing, China. More information can be found at www.continentalmotors.aero.



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