TANIS BRINGS COMPREHENSIVE STC AND PMA SUPPORT TO DAHER TBM 700-SERIES TURBOPROPS

News / Manufacturer

Tanis Aircraft Products, a division of Hartzell Propeller, has expanded its portfolio of aircraft preheating solutions with the approval of a Supplemental Type Certificate (STC) covering the entire Daher TBM 700 series. The certification is complemented by Parts Manufacturer Approval (PMA) for the complete system kit, providing operators with a fully approved installation solution.

Designed to deliver reliable engine preheating for Pratt & Whitney-powered turbine aircraft, the new Tanis STC applies across the full Daher TBM family, from the original TBM 700 to the latest TBM 980. The approval encompasses all serial numbers and production years, extending support to more than three decades of TBM aircraft operating worldwide.

The Tanis TBM kit offers a multipoint configuration through an industry-leading, self-regulating system to deliver preheating to the turboprop’s overall powerplant installation, including the:

- engine,

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- prop reduction gearbox,
- oil cooler,
- fuel control unit,
- accessory gearbox, and
- battery, among other components.

The system also provides avionics and cabin preheating, with LED power indication and circuit overload protection—all positioned to meet the requirements of the discerning TBM owner and pilot.

JJ Frigge, president of Hartzell Propeller commented: "As colder weather approaches, maintaining reliable aircraft operations becomes increasingly important. This new Tanis system gives TBM owners and operators a comprehensive preheat solution designed to support easier cold-weather starts, while providing protection and supporting reliability of critical aircraft systems. Beyond the operational benefits, it also creates a more comfortable experience for passengers by allowing the aircraft to be warm and ready before they ever step on board."

Engine and complete aircraft preheating offer significant advantages beyond pilot and passenger comfort:

Reduced engine wear and mechanical stress. Cold starts can induce strain on internal components, seals, and accessories. Preheating reduces thermal shock and helps components reach operating temperatures in a gradual manner, while reducing cold-weather related wear and tear.

Increased battery health, and more. Modern preconditioning systems may extend heating beyond the propulsion system to include gearboxes, hydraulics, avionics, and cabin areas. This helps protect critical systems, improve safety, and increase overall aircraft readiness in cold climates.

Easier engine starts and reduced warm-up time—especially in cold weather. Preheated aircraft reach operating temperatures faster, reducing run-up time, fuel consumption, and unnecessary ground operation. This allows operators to spend less time warming up and the ability to bring passengers on board with less waiting time.

Improved avionics performance. The modern flight deck's electronic hardware performs better in an environment with a stable, moderate ambient temperature inside the cabin. Where dispatch reliability is critical, a preheating system will offer support to the long-term health of advanced equipment.

The Tanis TBM system will be available in both North American voltage (115v) and European voltage (230v) to ensure global applicability for the kit, no matter where in the world an operator flies its TBM. Kits can be ordered today directly through the Hartzell Preheat website or through an authorized reseller/distributor. The Tanis system comes backed by a 5-year warranty.

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