

## Walter M601D Turboprop "Firewall Forward" Engine Package for Comp Air Turboprops



**T**urbine engine reliability and performance is now available for pilots of private aircraft. Built in the Czech Republic, the Walter M601 powerplant has earned an enviable reputation for outstanding reliability and durability among Let 410 (19-seat commuter) operators in harsh Siberian, African, South American, and Eastern European regions. As the commercial operators upgrade to the newer Walter M601 E-11 series, their used M601D powerplants have recently become available for use in sport and recreational airplanes. AeroComp Inc. is pleased to be able to offer these powerplants to Comp Air builders looking for phenomenal performance and maximum utility, at prices that are competitive with high performance reciprocating engines.

### Package Includes

- 1 Walter M601D turboprop used engine (*"as is - on condition"*)
- 1 AVIA 3 blade constant speed prop & spinner, with full feather & reverse
- 1 Engine mount
- 1 Composite Cowling

**INCLUDES:** Oil cooler, Oil lines, Electric fuel pumps (2), Wiring harness, Relays, Voltage regulator, Starter-Generator, Ignitors, Exhaust, Control Cables, Toggle Switches, Annunciator, Electronic Digital Gauges (ITT, N1, N2, Oil Pressure, Oil temperature, Volt & Amp Meter, Torque, Fuel Pressure/Fuel Flow), Gascolator, Power Quadrant, Baffling Kit.

**ALSO INCLUDES:** Autostart System with EHT (Electro-Hydraulic Transducer) Control.

**COMPLETE PACKAGE .....only \$58,995.<sup>00</sup>**

### Popular Options:

**"Millenium Conversion" ..... \$20,350.<sup>00</sup>**  
Complete IRAN engine reconditioning by Diemech Turbines, Inc.

# Walter 601D Turboprop

AEROCOMP, INC.

**AeroComp, Inc.**  
800 Kemp St.  
Merritt Island, FL 32952

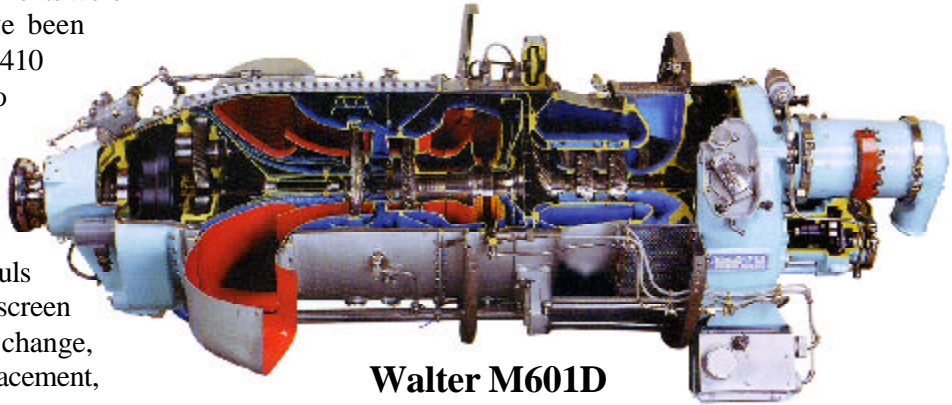
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# Walter M601D Turboprop Powerplant

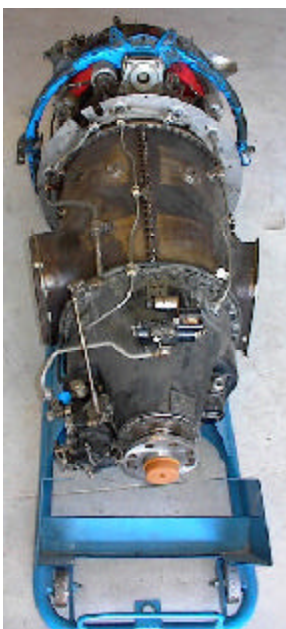
The Walter M601 is a dual-shaft reverse-flow free turbine turboprop engine. The gas generator section consists of two axial and one centrifugal compressor stages, an annular combustion chamber, and a single stage axial compressor turbine. The power section consists of a single stage axial power turbine, exhaust system, and a two stage planetary reduction gearbox (15:1) with torquemeter. Engine starting is accomplished using a combination starter-generator and electronic ignition (dual low voltage torch ignitors), with an optional autostart system available. An accessory gearbox with integral oil tank is mounted on the rear of the engine. Propeller is an AVIA 3-blade (or optional 5-blade) full-feathering constant speed propeller with reverse.

The Walter M601 was originally designed for use in remote parts of Russia and Siberia. Rugged durability with minimal field maintenance requirements were top priorities. The engines have been widely used in twin-engine Let 410 aircraft for commuter and cargo operations. Unlike some turboprop engines, "hot section inspections" between overhauls are not required with the Walter 601. Maintenance between overhauls consists primarily of filter and screen cleaning, compressor wash, oil change, borescope inspection, ignitor replacement, and testing/calibration.



**Walter M601D**

The recommended time before overhaul ("TBO") of Walter M601 engines is defined by "cycles" (engine starts), flight time, and calendar time. Factory recommended TBO intervals vary from 2250 to more than 20,000 cycles (depending on type of service and engine series), from 1500 to 3000 hours flight time, and from 5 to 8 years calendar time between overhauls. Aerocomp Inc. recommends complete IRAN engine reconditioning at 1500 hour intervals, with periodic 300 hour inspections (oil change, filter/screen cleaning, compressor wash, borescope inspection, etc.).



<b>Max. Continuous Rating</b>	657 eshp
<b><math>N_1</math> (Gas generator) RPM (100%)</b>	36,293 rpm
<b>Max. Propeller RPM</b>	2080 rpm
<b>Max. Inter-Turbine Temperature (ITT)</b>	690°C
<b>Equivalent Specific Fuel Consumption (ESFC)</b>	0.648
<b>Max. Fuel Consumption @ 657 eshp</b>	65 gph
<b>Cruise " " @ 350 to 400 eshp</b>	35-37gph
<b>Idle " "</b>	25 gph
<b>Weight (dry)</b>	425 lb
<b>Height/width/length (inches)</b>	26"-23"-66"

# Recommended Walter M601 Powerplant Options

## “Millenium Conversion” by Diemech Turbines, Inc.



Complete IRAN engine reconditioning, including disassembly, thorough inspection, and repair or replacement of damaged components in compressor, combustion, and turbine sections. Precision balancing, replacement of main bearings, stator and flametube ceramic coating, cleaning of fuel and oil lines, screens, and filters, gearbox filters, seals and o-rings, ITT sensors, ignitors, leads, air bleed valve, generator brushes, etc. Includes bench testing and calibration. Recommended every 1500 hours. Details available online at <http://www.diemechturbines.com>

**Highly recommended ..... \$18,500.<sup>00</sup>**

## “Autostart with EHT (Electro-Hydraulic Transducer) Control ” New for 2001



NEW FOR 2001 - Now included STANDARD with Firewall-Forward Packages. Autostart with EHT (Electro-Hydraulic Transducer) Control. Automated single-switch start system with electro-hydraulic control simplifies engine starting and enables hotstart prevention.

**Recommended ..... now standard**

## Other Walter M601D Powerplant Options Available

- |  |           |
|--|-----------|
| • AVIA Propeller Detailing ( <i>Trim, Polish, and Paint</i> )    | \$ 950    |
| • Polished Aluminum Spinner                                      | 795       |
| • Deluxe Stainless Steel Baffle Kit                              | 1495      |
| • Deluxe Stainless Steel Custom Exhaust - “ <i>Super Tubes</i> ” | 1495/pair |
| • Turbine Exhaust and Intake Covers ( <i>fabric muffs</i> )      | 495       |

## Individual Components, if purchased separately:

Wiring harnesses and gauges, with autostart/EHT .....	23,500
AVIA 3-blade constant speed propeller & spinner (“ <i>as is</i> ”) .....	7500
Engine Mount .....	3000
Cowling for Walter M601D.....	1295
Miscellaneous items .....	6000
<i>(exhaust, oil cooler, baffling kit, lines, pumps, power quadrant, etc.)</i>	
Power Quadrant .....	995
AC System Walter Turbo .....	11,995

**Aerocomp, Inc.** - 800 Kemp St. - Merritt Island, FL 32952 USA  
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Photo Credit: Jim Campbell - US Aviator



**COMP AIR 10 Turboprop** 8 to 11 Place  
Up to 2850 lb. Useful Cruise: 180- 200 mph



**COMP AIR 7 Turboprop**  
657 SHP Walter M601D

4 to 6 Place  
Climb 4000 fpm+  
Cruise 220 to 275 mph TAS

Photo Credit: Bill Fedorko - Custom Planes



**COMP AIR 8 Turboprop on SuperFloats**



Photo Credit: Howard Levy - Kitplanes

**COMP AIR 7 Turboprop**

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## Walter M601D Turboprop "Firewall-Forward" Engine Package

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