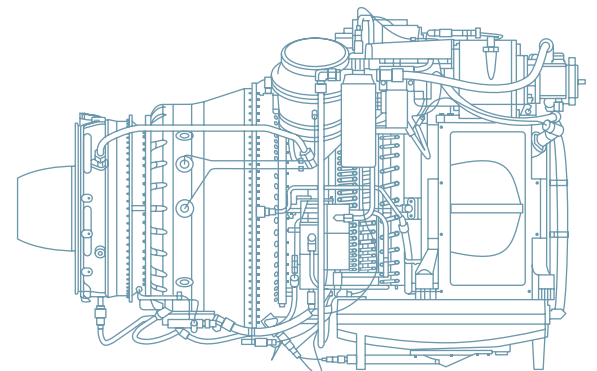




Vericor Power Systems
An MTU Aero Engines Company



TF series marine gas turbine engines
4,000 to 5,600 hp



TF40/ETF40B/TF50A

Driven by speed and power

The TF series marine gas turbine engines including the TF40, ETF40B and TF50A offer the ideal solution for marine power where compact size and light weight can be translated to faster vessel speed, greater payload, or simply more power per foot of machinery space. The design of the TF series engines allows simple cantilever mounting from the reduction gear, which results in both the lightest weight installation possible and the most efficient design. With more than 50 years of heritage originating with the Lycoming Engine Company, the rugged TF series gas turbines have accumulated hundreds of thousand of hours in military and commercial service around the world.

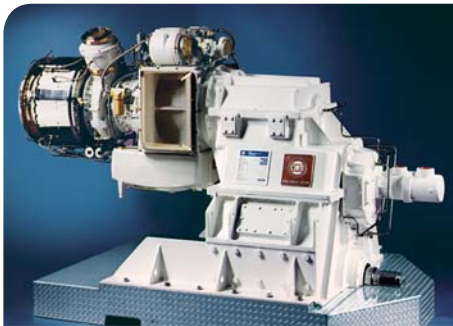
Propulsion applications

- Corvettes
- Fast attack craft
- Fast patrol boats
- Hovercraft
- Mega yachts
- Fast ferries

Power generation

Military and commercial vessels with integrated electrical power systems.

For complete details go to:
www.vericor.com/marine



Engine specifications	TF40	ETF40B	TF50A
Continuous power (MCR)*	4,000 shp	5,035 shp	5,100 shp
	2,983 kW	3,755 kW	3,803 kW
Boost power	4,600 shp	5,460 shp	5,600 shp
	3,430 kW	4,073 kW	4,176 kW
Weight**	1,325 lbs	1,400 lbs	1,565 lbs
	602 kg	636 kg	710 kg
Specific fuel consumption (SFC)* at MCR	0.499 lbs/shp-hr	0.461 lbs/shp-hr	0.460 lbs/shp-hr
	303 gm/kW-hr	280 gm/kW-hr	280 gm/kW-hr
Length flange to flange	52 in	52 in	55 in
	1,321 mm	1,321 mm	1,397 mm
Height	41 in	41 in	41 in
	1,046 mm	1,046 mm	1,046 mm
Width	35 in	35 in	35 in
	889 mm	889 mm	889 mm
Fuel	Marine diesel, kerosene or jet fuel		
Output speed	15,400 rpm	15,400 rpm	16,000 rpm

*Average engine performance at ISO conditions, 15 °C, no inlet, exhaust or gear losses.

Boost rating available for intermittent duty. Military ratings may vary with application.

**Weight does not include engine control; ETF40B weight does not include starter weight.

About Vericor

Vericor is an MTU Aero Engines company based in Alpharetta, Georgia, U.S.A. Vericor supplies gas turbines, systems and related services for marine, oil and gas and power generation customers. Vericor is dedicated to being responsive, flexible and easy to work with while providing quality, cost-effective solutions and services.

Key features

- Operates on marine diesel fuel
- Smallest installed volume/lowest installed weight
- Modular engine design reduces maintenance cost
- Simplified installation with cold end drive and cantilever mount
- Precise digital engine control and monitoring
- No warm up required/start capability down to -50 °C
- Low vibration and ultra low emission levels

Key benefits

- Proven reliability with U.S. Navy, foreign navies and commercial operators worldwide
- Ideally suited for CODAG and CODOG systems
- Commercial classification through ABS, DNV and others
- Vericor worldwide support



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