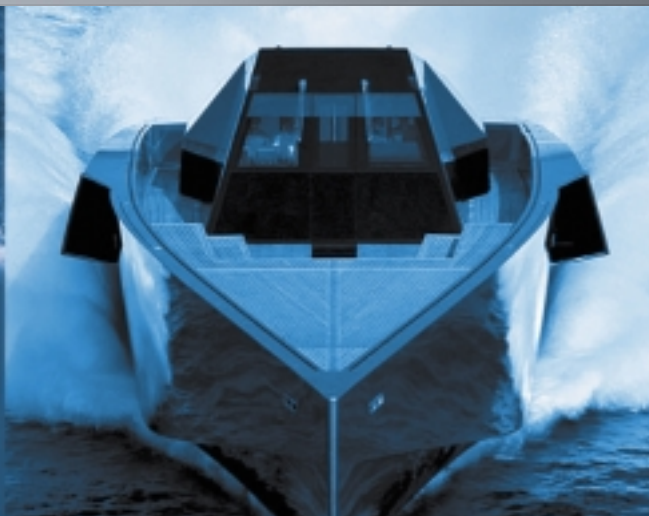




An MTU Aero Engines Company

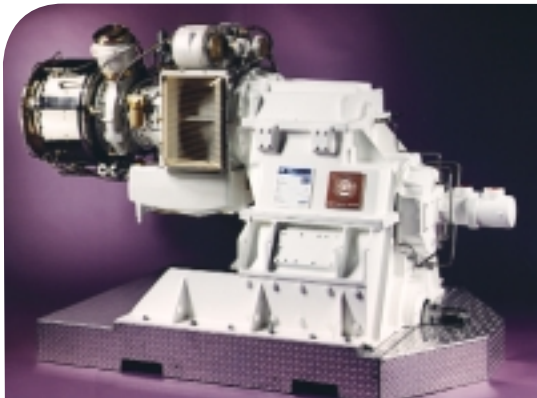
TF Series Marine Gas Turbine Engines - 4000 to 5600 Hp



Driven By Speed & 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.

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



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.



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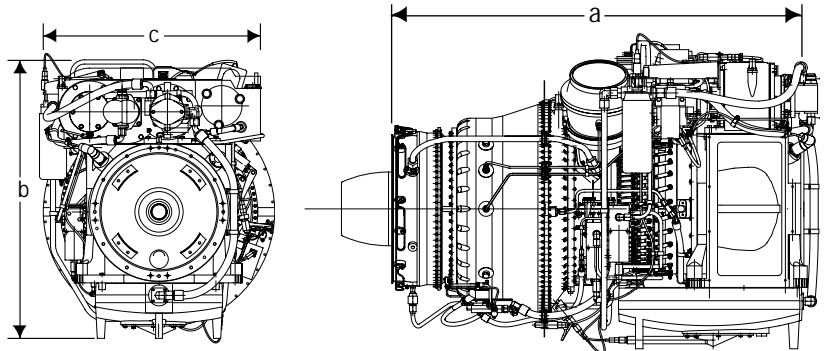
Vericor Power Systems Inc.
3625 Brookside Parkway
Suite 500
Alpharetta, GA 30022 • USA
Tel. +1 770 569-8806
Fax +1 770 569-0399
www.vericor.com

Engine Specifications

	TF40	ETF40B	TF50A
Continuous Power (MCR)*	4,000 shp 2,983 kW	4960 shp 3,700 kW	5,100 shp 3,803 kW
Boost Power	4,600 shp 3,430 kW	5460 shp 4,073 kW	5,600 shp 4,176 kW
Weight**	1,325 lbs 602 kg	1500 lbs 682 kg	1,565 lbs 710 kg
Specific Fuel Consumption (SFC)* at MCR	.491 lbs/shp-hr 299 gm/kw-hr	.459 lbs/shp-hr 279 gm/kw-hr	.455 lbs/shp-hr 276 gm/kw-hr
Length (a) flange to flange	52 in 1,321 mm	52 in 1,321 mm	55 in 1,397 mm
Height (b)	41 in 1,046 mm	41 in 1,046 mm	41 in 1,046 mm
Width (c)	35 in 889 mm	35 in 889 mm	35 in 889 mm
Fuel	Marine diesel, kerosine, or jet fuel		
Output Speed	15,400 rpm	15,400 rpm	16,000 rpm

*Average engine performance at ISO conditions 15C, no inlet, exhaust or gear losses. Boost rating available for applications not exceeding 500 hr per year. Military ratings may vary with application.

**Weight is for gas turbine complete with lube, fuel and control system.



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 -50C
- Low vibration and ultra low emission levels

Key Benefits

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

About Vericor

Vericor is an MTU Aero Engines Company based in Alpharetta, Georgia USA. 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.