

### 500 bhp (367.5 kW)

- Engine designed and tested to meet the most taxing sea conditions.
  - Proves reliability with huge durability from efficient design of cooling.
  - Excellent weight-power package with 4400 lb (2000 kg).
  - Compact – low profile marine package.
- Globalised worldwide service network.



#### RELIABILITY

- High capacity range of components for comprehensive support independent of make and geography/market specific.
- Engine extensively used for sea freight duty, container operations.
- Manufacturing process optimized to the rigorous ISO 9001 standard, ensuring rigorous approach to reliability and quality management.
- Designed to meet the various demands of a modern environment including worldwide cooling and starting capacity.

#### PERFORMANCE

- The Condor 1600Ti provides top performance with smooth, steady and responsive operation.
- Proven performance characteristics are applied to recognized global standards to ensure that the specified performance is always achievable.

#### SAFETY

- Engine designed to operate and protectively comply with the full battery bank marine battery.
- High-water protection against flooding and water ingress and the use of perfect corrosion resistance and fully insulated marine electrical ensure the reliability of 24-hour engine safety.

#### EASE OF INSTALLATION

- Engine designed with low profile compactness without sacrificing power availability.
- Offers high performance of operation, engineers offering worldwide support and expert advice on product installation and performance.

#### SERVICE

- Highly protected service options with over 100 main distributors in the Americas. Supporting extensive dealer network, for over 100,000 service points worldwide.
- Inter-components for ease of maintenance in both conditions.



More information on the TRAC 97A range  
 - 7.4 kW  
 - 12.5 kW  
 - 15.2 kW  
 - 18.2 kW  
 - 22.4 kW  
 - 27.5 kW  
 - 33.5 kW

Trac 97A is a highly advanced generator that  
 offers exceptional performance.

For more information, please contact us.

The light duty generator using a permanent magnet generator complies with standards for over-voltage protection, low-voltage protection and under-voltage protection, and is available in a wide range of configurations. For exact type and duty cycle, all details for electrical output range. Please refer to your Perkins distributor.

## STANDARD EQUIPMENT

- Full range test coverage and compliance with your country's safety and emissions regulations
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## OPTIONAL EQUIPMENT

- Remote equipment including:
  - 220 V AC
  - 230 V AC
  - 240 V AC
- Full range test coverage and compliance with your country's safety and emissions regulations
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## DIMENSIONS



Perkins generator TRAC 97A 12.5 kW generator

## GENERAL DATA

<b>TYPE</b>	Class 9700 HP
<b>OUTPUT</b>	Class 9700 HP
<b>CATEGORY</b>	1 (12.5 kW (16.9 kW))
<b>SPARE</b>	1 extra
<b>NO. OF CYLINDERS</b>	Single 9700 HP
<b>EXHAUST</b>	Exhaust (12.5 kW)
<b>COMPOSITE SYSTEM</b>	Exhaust (12.5 kW)
<b>EXHAUST SYSTEM</b>	Exhaust (12.5 kW)
<b>FUEL PUMP</b>	1 (12.5 kW (16.9 kW))
<b>OPERATING MODE</b>	Exhaust (12.5 kW) Exhaust (12.5 kW) Exhaust (12.5 kW)
<b>STARTING</b>	Exhaust (12.5 kW) Exhaust (12.5 kW) Exhaust (12.5 kW)

700 bhp (502 kW)

- Engine designed and tested to operate under most operating site conditions.
- Powerability with high durability, low exhaust charge air cooling.
- Optimised weight-power package (skidsteering and drive shafts).
- Compact - low profile engine package.
- Unmatched worldwide service network.



## RELIABILITY

- High capacity charge air coolers allow low ambient operating temperatures to be reached in non-cooling climates.
- Engine conservatively derated for use in extreme and non-typical duty applications.
- Manufacturing processes approved by independent 3rd party certifiers ensuring Perkins approval to reliability and quality management.
- Extensive fleet of test engines demonstrate engine performance including synthetic testing simulating reality.

## PERFORMANCE

- The Condor 700 provides high performance with steady, clean and responsive operation.
- Performance is developed to an industry recognised global standard to ensure facilities that performance cannot be met through.

## SAFETY

- Engine designed to operate and maintain a company with an international performance standard.
- From water-cooled exhaust manifold and turbochargers and the use of non-toxic coolant systems that are readily recycled from old through to the installation of heat exchanger.

## EASE OF INSTALLATION

- Engine designed to provide compactness without sacrificing service accessibility.
- Offers highly capable team of installation Engineers, offering extensive support and expert advice on product installation requirements.

## SERVICE

- Engine is fitted with a 200 litre oil tank for up to 100 hours of operation, depending on engine hour ratings for Perkins's 200-hour maintenance.
- Maintenance can be done at maintenance facilities.



Operating conditions: ISO 9249, 100% throttle

- 1 Fuel consumption
- 2 Fuel consumption
- 3 Fuel consumption
- 4 Fuel consumption

Operating conditions: ISO 9249, 100% throttle

Operating conditions: ISO 9249, 100% throttle

The Perkins Certified engine is designed for extended service life with long, regular intervals between overhauls. The engine is designed to operate at 100% of its rated engine output for the operating hours stated in the TATOMAK engine specifications. In order of the category, the engine is designed to last for a minimum of 1000 hours per year. Only the actual operating hours for each of the engine.

## STANDARD EQUIPMENT

- Fuel water separator with water separator
- Fuel water separator with water separator
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## OPTIONAL EQUIPMENT

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## CONNECTIONS



Technical drawing: Perkins M700Ti and M700TiTi

## GENERAL DATA

MODEL	M700TiTi
POWER	100 kW (136 hp)
CAPACITY	1000 l/h (264.2 gal/h)
CRUISE	4 km/h
MAX. OPERATING SPEED	10 km/h (6.2 mph)
OPERATING SPEED	10 km/h (6.2 mph)
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## SUPPORT US




**Address:** TATOMAK S.p.A.  
 Via S. Maria Maddalena, 10  
 00198 Roma, Italy

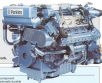
**Address:** TATOMAK S.p.A.  
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 00198 Roma, Italy

TATOMAK BY PERKINS MANAGEMENT

# CONDOR™ PERKINS

500 bhp (367 kW)

- Engine designed and tested to meet the most demanding sea conditions.
- Proven reliability with high durability from efficient charge air cooling.
- Excellent weight-power package for lifting – see [www.perkins.com](#).
- Compact – low profile marine package.
- Unlimited worldwide service network.



## RELIABILITY

- High capacity charge air coolers ensure low operating temperatures for stable and uncompromising life span.
- Engine designed for non-polluted hot applications.
- Manufacturing process aligned to the rigorous ISO 9001 standard underlining Perkins approach to reliability and quality management.
- Designed to meet with the extreme demands of a marine environment including worldwide towing and starting needs.

## PERFORMANCE

- The Condor 500 bhp providing high performance with smooth, clean and quiet operation.
- Proven performance characteristics designed to encompass generational to annual fuel consumption performance to meet customer needs.

## SAFETY

- Engine designed by experts and rigorously inspected with over half a century of marine experience.
- From water protection without overloading and full coverage cooling to an advanced corrosion resistance and full featured marine electronics for the standard of best engine safety.

## EASE OF INSTALLATION

- Engine designed with low profile compactness without sacrificing service excellence.
- 100% fully equipped with 4 Application Engineers offering worldwide support and expert advice on product installation requirements.

## SERVICE

- Perkins service centres support with over 200 representatives in 100 countries. Regularly extensive dealer networks that offers over 1,000 service centres worldwide.
- Replacement parts for ease of maintenance in hot installations.

 Perkins

*Power* **Frestige**<sup>™</sup>



## Standard specifications, dependent on engine

- 1000 mm height
- 2400 mm length
- 400 mm width
- 1400 mm distance between mounting holes
- 1500 mm distance between mounting holes
- 1500 mm distance between mounting holes

Perkins Engine products are built to last. Being able to locate your generator in a remote area is a benefit because you can avoid the high cost of power lines. Perkin's remote generator models are designed for high altitude applications. The engine is built to handle the extra altitude and high temperatures that an altitude altitude of 5000m (16404 ft) will add to the engine.

## STANDARD EQUIPMENT

- Fuel-water separator with change-over tap and air filter
- Filter, automatic air filter
- 12V battery
- 24V battery
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## OPTIONAL EQUIPMENT

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## DIMENSIONS



Dimensions in mm, reference to the mounting holes

## GENERAL DATA

MODEL	TRUMAK 1000
ENGINE	TRUMAK 1000
APPROX. WEIGHT	1100 kg (2420 lb)
TYPE	1200
NO. OF CYLINDERS	4
APPROX. TORQUE	65 kgm (1400 lb-ft)
CONSTRUCTION TYPE	Cast iron
STARTING	12V battery, manual start
MAX. POWER	1600 W (1.6 kW) @ 2400 rpm

### APPROXIMATE DATA

APPROX. POWER	1600 W (1.6 kW) @ 2400 rpm
APPROX. TORQUE	65 kgm (1400 lb-ft) @ 2400 rpm
APPROX. SPEED	2400 rpm
APPROX. FUEL CONSUMPTION	165 L/h (43.7 gal/h) @ 2400 rpm

### APPROX. DATA

APPROX. POWER	1600 W (1.6 kW) @ 2400 rpm
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## CONTACT US

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Perkins is a leader in generator technology

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