



TNV-98T

MG-40

1800 RPM

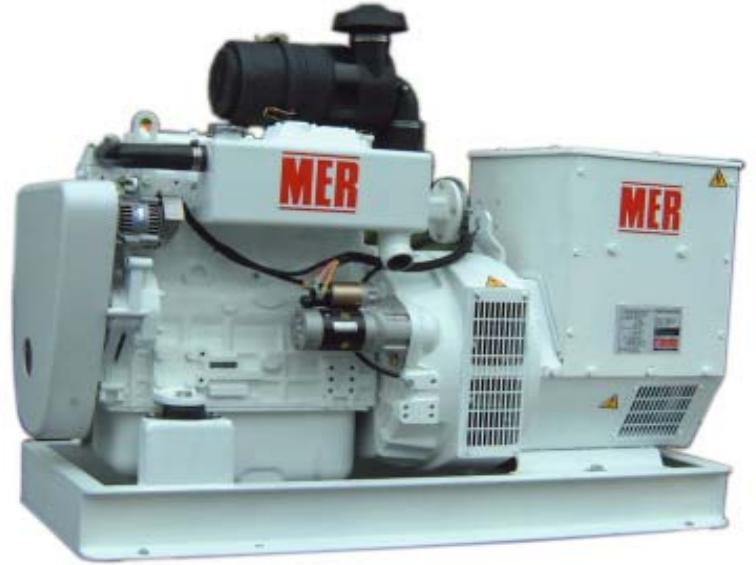
- FACTORY DIRECT -
EPA TIER IV - MARINE DIESEL
GENERATOR

4TNV98T/UCI224C



MG-40TNVT-KC
Tier IV Electronic

MER custom generators are made in the USA - Specifically designed for large electric motor starting requirements. MER custom designs can start up to One HP per KW; maximizing efficiency - Saving thousands of gallons of fuel over the life of



ENGINE FEATURES:

- *Deluxe J-1939 Digital LED Enclosed panel, pre-wired for easy plug-together installation.
- *12 Volt, 2.3Kw Electric start, 40 Amp Alternator and electric start/stop solenoid.
- *New generation Electronically controlled fuel injection pump, automatic air bleeding, and equalized fuel lines achieve the lowest possible smoke and, exhaust emissions. EPA Tier IV and CARB Certified.
- *The 16 Valve Yanmar Industrial base engine meets all Tier IV emission standards for commercial installations.
- *Balanced, four stroke, 16 Valve, direct injected design with sound insulated valve train and oil pan, make the TNV series one of the quietest, smoothest running engines in its class.
- *Independent, automatic safety shutdown systems for high water temperature or low oil pressure protect your investment.
- *Steel skid frame with captive anti-vibration suspension mounts installed at crankshaft centerline to minimize vibration transfer, (97% efficiency).

Dimensions will change with optional generators and or cooling systems. Please confirm exact configuration if dimensions are critical.

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All dimensions in inches
Std. Keel cooled config.

Lengths

- 27.5" Engine Only
- 22.5" 284 Frame
- 25" 285 Frame
- 27" 286 Frame
- 29" 287 Frame
- 27" Newage 224C

- *1284 lbs with Lima SER 285 frame
- *1469 lbs with Lima SER 287 frame

- *1434 lbs with Newage 3 ph. Series 5 or 6
- *1480 lbs with Newage 1 ph. Series 5 or 6

MG-40TNVT-MN
40KW-1800 RPM
1234 POUNDS*

Length: 51" - 56.5"*
Width: 22.5"
Height: 33.0"
(Dependent on Gen. option)

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MER- MG-40TNV-KC

1800 RPM MARINE GENERATOR

OUTPUT @ 1800 RPM:

Continuous 3 Phase rating @ .8PF.....40 Kw
Intermittant rating (standby).....44Kw
Voltage regulation: MG-40SN.....+/- 1%
MG-40MN.....+/- 4%

Note: SER Basler regulated units are built for multi-purpose onboard power. Optional motor application units are built for large motor starting, (up to 1 hp per 1 Kw starting capacity).

INSTALLATION SPECIFICATIONS:

Water inlet size: 40mm/1-1/2" OD (Hose ID 1-1/2")
Exhaust output size: 65mm/2.5" ID w/4" flange
Opt. wet exhaust elbow: 76mm/3.0" OD (Hose ID 3.0")
Fuel inlet size: 10mm/ 3/8" OD (Hose ID 3/8")
Fuel return size: 10mm/ 3/8" OD (Hose ID 3/8")
Heat Rejection @ 1800rpm: 2007 BTU/minute
Coolant Flow: 20 GPM
Exhaust Gas Flow: 367 cu. ft./min, Exhaust temp max. 1100 F.
Max allowable backpressure: 47" Water

MER marine gensets come standard set up for keel cooling. Heat exchanger cooling is available with brass direct-driven sea water pump, and zink protected cupro-nickle heat exchanger.

ENGINE SPECIFICATIONS:

ENGINE MODEL: 4TNV98T-ZGGE
ENGINE TYPE...4 CYLINDER, 4 CYCLE, 16 VALVE,
WATER COOLED, TURBOCHARGED MARINE DIESEL
RATED HP: 67 HP STANDBY, 61 HP PRIME.
BORE X STROKE.....98mm x 110mm, BMEP-106 CONT.
PISTON DISPLACEMENT.....202cu.in. (3.3L)
COMPRESSION RATIO.....18.5:1
WATER CAPACITY.....9.5 quarts (9.0L)
OIL CAPACITY.....11 quarts (10.5L)
OIL PAN..30 DEG ANGLE, ALL DIRECTIONS.
ENGINE ROTATION.....CCW (facing flywheel)
ALTERNATOR.....40 Amps, 12V
BELL HOUSING/FLYWHEEL SAE 3/11.5

- * low vibration & noise due to high mass flywheel, crank-center mounted vibration isolators, and denoised engine.
- * fuel efficient, low smoke performance, thanks to four cycle 16 Valve design and Electronic fuel injection system.
- * wet exhaust manifold and expansion tank provide low engine room temperatures and reduced fire hazard.
- * easy starting in all weather conditions, with cold start pre-heating.
- * automatic safety shutdown system triggered by low oil pressure or high water temperature conditions, for engine protection.

OPTIONS:

Stainless Steel Wet Exhaust Elbow, Heat Exchanger Cooling, Front End PTO, AC Instruments, Automatic Start/Stop, Inverter Interface, Digital Remote instruments and controls.

Many other optional features & designs are available, please inquire, if you have special application requirements.

MER Marine Generators

"More power through better performance."

The MER-made Marine Generator combines a direct driven, 1800 RPM, brushless, continuous duty alternator and MER-made Marine Diesel engine in a generator system manufactured & load tested to the strictest quality standards.

The MER Generator is designed and built in the USA specifically for the rugged conditions of commercial use. The expected time between overhauls on the MER packaged generator set is 20 to 50 thousand hours.

Around the world, the MER name has become synonymous with dependable, fuel efficient, maintenance free diesel power. MER has been building generator sets for the fishermen, contractors, and processors of the west coast since 1964. Our generators are built to withstand the tests of time and heavy use.

Talk to an owner of our products. Ask him about our gensets and our after sales services and then call us. We are toll free from anywhere in North America and we're on call 24 hours a day for same day shipping, worldwide.



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