



POWERED BY



VaporSafe Barge Auxiliary Power Unit

Featuring Caterpillar Marine Auxiliary C9.3 375 HP
Certified Tier 3 Engine

MNI Diesel LLC's solution for solving the United States Coast Guard Class 1 Division 1 full certified electronic diesel engine in areas classified as hazardous *is here.*



Incorporating Caterpillar's Tier 3 engine technology with Miretti Explosion Proof protection systems technology, the latest in engine design and electronic controls are now combined with the latest in Federal Emission Compliance Regulations.



With Safety First, your power unit placement is now anywhere on the barge deck. Class 1 Division 1 requirements meet with certified electronics standard, and returning to a standard four-foot (4') driveshaft is now a possible length again. This includes optional remote engine monitoring, Caterpillar quality parts, service network reliability, along with Miretti (the leader of explosion proof engine protection systems for over 40 years), all of which make the MNI Diesel VaporSafe Auxiliary Barge Power Unit the leader in emission compliance for fully electronically controlled, intrinsically safe, Class 1 Division 1 certified barge pump units in the United States of America.



Houston Branch
7001 Easthaven Blvd
Houston, Texas 77017
281-484-4550

Corpus Christi Branch
450 Colima St
Gregory, Texas 78359
361-777-2010

mndiesel.com

Toll Free (1-800-941-0919)

Standard Equipment

- ✓ Caterpillar Marine C7 / C9.3 / C18 200-500 hp certified marine engine @ 1800 rpm, Caterpillar marine engine warranty, US EPA emission.
- ✓ US EPA Tier/3 CCNR Stage II/IMOII certified emission engine.
- ✓ Electronically governed and controlled system incorporating Miretti intrinsically safe designed circuits for the engine sensors and electronic control system.
- ✓ USCG Compliant Class 1 Division 1(C1D1) Electrical content incorporating the FM Global approval standards of 3600, 3610, 3615 and 3810.
- ✓ Explosion-proof sealed electronic control display, start/stop buttons, 12 volt battery assembly, alternator, emergency stop button, air intake shut off valve. Encapsulated ECM with weather protection.

- ✓ Standard packaged equipment includes Marine grade radiator and charge air cooler, spark arresting muffler, power takeoff (SAE No.1/ SAE 14"), air starting system, aluminum enclosure incorporating stainless steel latches, hinges, and bolts, with double access doors for ease of servicing. RACOR fuel/water separator.

ALL UNITS COME STANDARD WITH:

- Common rail fuel system
- Primary fuel filters
- Water-cooled turbocharger and manifold
- Thermostats and housing
- Engine oil cooler
- Shell and tube aftercooler
- Vibration damper and guard

OPTIONAL EQUIPMENT AVAILABLE:

- Electric fuel priming pump
- Fuel cooler
- Stainless steel exhaust system
- Air intake and exhaust flame arrestor
- Auxiliary/PTO oil cooler
- Closed crankcase ventilation system
- Duplex fuel and oil filters
- PTO drive – v belt stack
- PTO drive – stub shaft
- RACOR fuel/water separator
- Additional sensor packages
- Additional instrument panels
- Stainless steel enclosure
- Hydraulic starting motor package
- Explosion proof electric starter motor
- Manual air shutdown pull
- Electric air shutdown



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