

# 15.0kW<sub>60Hz</sub> 12.5kVA<sub>50Hz</sub>

## **norpro**<sup>®</sup>

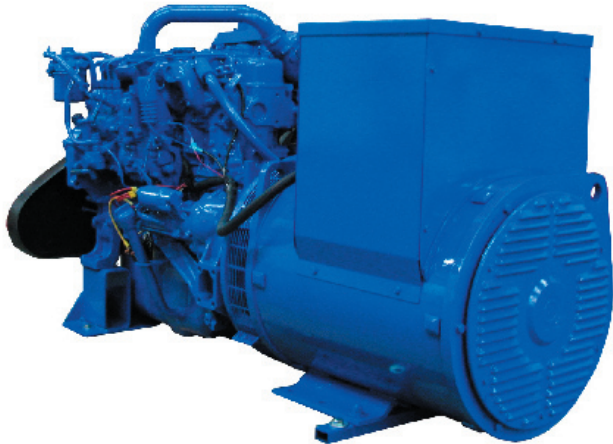
A Global Power Solutions Company

# Commercial Marine Series

02/22/13

## 1) CMY

Standby Rating 60Hz: 15.0kW  
Prime Rating 60Hz: 13.5kW



### Standard Features:

- Analog 200 Control Panel \* see next page for details
- Marine Grade Epoxy Paint (Bonsai Blue - Std.)
- Oil Drain Kit (valve type w/safety lock)
- Washable Long-Life Air Filter
- ABS Molded Belt Guard
- Rubber Isolation Mounts
- Single Lifting Point
- 12 Volt Breaker
- Hand Built in the USA
- Prototype and Production Tested
- Meets or Exceeds Tier 3 Nonroad Emissions Regulations
- 5 Year 5,000 Hour Warranty

### Philosophy at Norpro

- Build a reliable product for the harshest of operating environments.
- Supply a product which is simple to operate and easy to maintain
- Use the best technology and materials available
- Provide the best value in the industry

### More For Your Money

Norpro has been a leader in generator technology since we began operations in 1986. We strive to provide the best in terms of durability, performance, and value in the generator market. Using only world-class engines and components, we hand build the highest quality generators possible. By using high grade materials including, epoxy paint, stainless hardware, and powder coat, you can rest assured your generator will look good for many years to come. Our sound shields were developed using input from the aerospace industry. The results speak quietly on their own with sound canceling effects decreasing noise on average by 50%. We are very committed and proud of our product which is why we offer one of the most extensive warranties available. With the support of an experienced warranty representative, and a multi-million dollar inventory, all your generator needs are just a phone call away. Sales and services are handled by factory trained distributors and dealers reaching across the country and around the world. Everything is done to help us meet your needs and exceed your expectations.

### Analog 200 Control Panel

- Three gauge panel
- Water temperature, oil pressure, battery voltage
- Hour meter and preheat
- Ten second oil pressure bypass timer
- Emergency shutdowns for high water temp and low oil pressure
- 12-volt breaker protection
- 6.75" x 5.5" x 4.25" (L x H x D)
- Black over white ABS faceplate



Complete details

also available on our  
website.

Please visit:

[www.4norpro.com](http://www.4norpro.com)

**Engine Specifications**

	60Hz	50Hz
Manufacturer	Yanmar	
Engine: model type	3TNV88	
Cylinder arrangement	3 in-line, 4 cycle	
Displacement (cu.in)	91.5 (1500)	
Bore and stroke, (in.)	3.46 x 3.54	
Compression ratio	19.1:1	
Rated rpm	1800	1500
Max power at rated rpm (bhp)	21.7	18.1
Cylinder head material	Cast Iron	
Block material	Cast Iron	
Governor type	Mechanical	
Frequency regulation	3-5%	
Air filter type	Replaceable Element	

**Engine Electrical System**

Ignition system	Electric	
Batter charging system voltage (DC)	12V	
Battery charging system (amps)	20	
Starter system voltage (DC)	12V	
Battery recommendation (CCA)	500	
Battery voltage (DC)	12V	
Starter kW	1	

**Generator Specifications**

Type	4 pole	
Exciter type	Brushless	
Leads: Quantity	4/12	
Voltage regulator	AVR	
Insulation Material	H type	
Temperature rise	105 c	
Bearing type	Sealed	
Coupling	Direct Bolt-up	
Voltage regulation	1%	
Phase type	1/3	
Power factor	1.0/0.8	
Power rating kW (kVA)	15.0	10
Mainline breaker (amps) optional	40	35

**Generator Ratings**

Amps @ 120	125
Amps @ 240	62.5

**Weights and Dimensions**

	Length in. (cm)	Height in. (cm)	Width in. (cm)	Dry Weight lbs. (kg)	Wet Weight lbs. (kg)
Open Unit	38.0 (96.5)	27 (68.6)	21 (53.3)	506 (229.5)	513 (232.7)

**Stand Alone Fuel Tanks**

165 gal./620L	29 (74)	61 (155)	28 (72)	132 (60)	1287 (584)
275 gal./1000L	51 (130)	54 (137)	30 (76)	208 (94)	2133 (968)

**Lubrication System**

	60Hz	50Hz
Type	Full Pressure	
Engine oil capacity w/filter (qts)	7.14	
Oil filter type	Spin-on	

**Fuel System**

Fuel shutoff solenoid	Electric	
Fuel pump priming	Electric	
Fuel pump	Electric	
Fuel type	#2 Diesel	
Fuel pump lift (ft)	3.28	
Fuel line supply	5/16	
Fuel line return	5/16	

**Cooling System**

Manifold	Dry	
Engine coolant capacity (qts)	2.13	
Water pump type	Centrifugal	

**Air Requirements**

Engine combustion air intake requirements (cfm)	46.98
Generator end cooling requirements (cfm)	220

**Exhaust system**

Exhaust type	Dry
Max allowable back pressure (in.hg)	3.77
Exhaust outlet size (in.)	2

**Fuel Consumption**

100% Load (gph)	1.25
75% Load (gph)	0.94
50% Load (gph)	0.63

**Sound Table**

dB(A) Without Sound Shield				
Load	100%	75%	50%	
3'	85	84	84	
10'	82	81	81	
21'	79	77	76	

# OPTIONAL EQUIPMENT

## Digitec 300 Controller

- Programmable microprocessor panel
- Engine start up with an automatic preheat system
- Digital display
  - water temperature
  - oil pressure
  - tamper proof hour meter
  - battery voltage
- Safety systems
  - automatic shutdown for low oil pressure
  - high water temperature
  - over speed
  - over frequency
- Three onboard replaceable 40AMP fuses for fuel, crank, and timer outputs
- 5.5" x 4.3" x 2.16" (L x H x D)
- Conform to 12V or 24V operations
- User friendly

## Digitec 400 Controller

Includes all features on the Digitec 300

- Most vivid LCD screen available
- Automatic battery recharge
- Real time clock
- Eight digital programmable inputs
- Twenty-five programmable digital outputs
- Automatic shutdown for any discrepancy in:
  - current
  - speed
  - voltage
  - frequency
  - battery levels
- Password protected
- Fully programmable engine exerciser
- 100 event failure log
- Connection for six industry standard analog senders
- Sleep mode to conserve battery
- 5.47" x 4.45" x 2.56" (L x H x D)

## Color Options

- Ultra White
- Zodiac Blue
- Midnight Black
- Anthracite Gray
- Soft Silver

## Remote Start Panel

- Starting and stopping capabilities from a remote location
- Start/Stop switch
- Unit hourmeter
- 3"H x 6"L ABS plate
- Includes "Y" harness

## Fuel Tanks

- Stand alone, UL Listed, double wall tank, 110 gal. (400 L)
- Stand alone, UL Listed, double wall tank, 275 gal. (1000 L)

## Dual Station Instrumentation

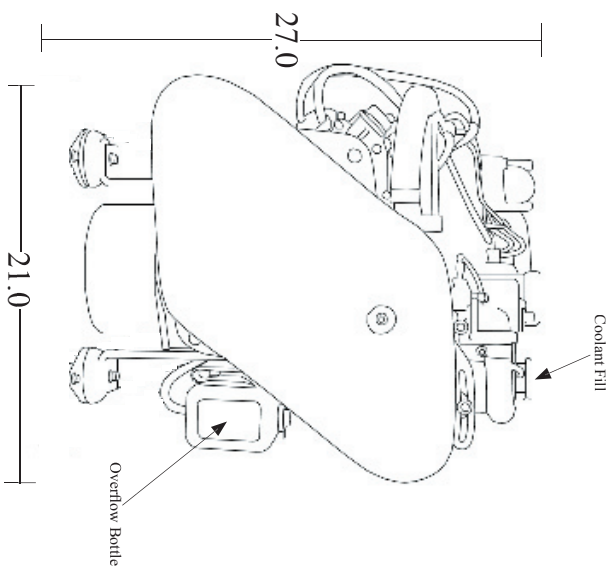
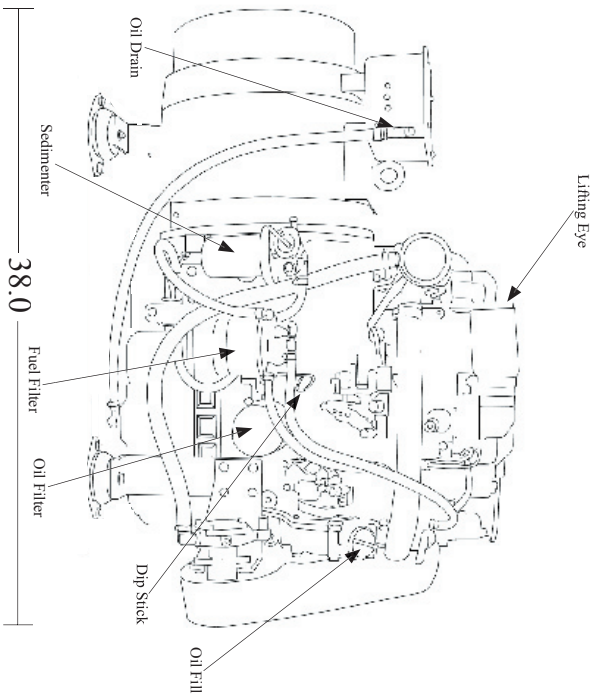
- Analog panel system
  - Full instrumentation at two locations
  - Start and stop capability

## Remote Extension Cables

- Mount your panel virtually anywhere
- Eight or twelve pin rubber molded connectors
- Extension harness, 5' (1.5 m)
- Extension harness, 10' (3 m)
- Extension harness, 20' (6 m)
- Extension harness, 50' (15.2 m)

## More Options

- Battery
- Critical muffler kit
- 24V kit
- Interlocking mounts
- Manual transfer switch
- Automatic transfer switch
- Mainline breaker
- Inline style block heater
- Cartridge type air filter
- Electronic governing
- "Y" harness



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