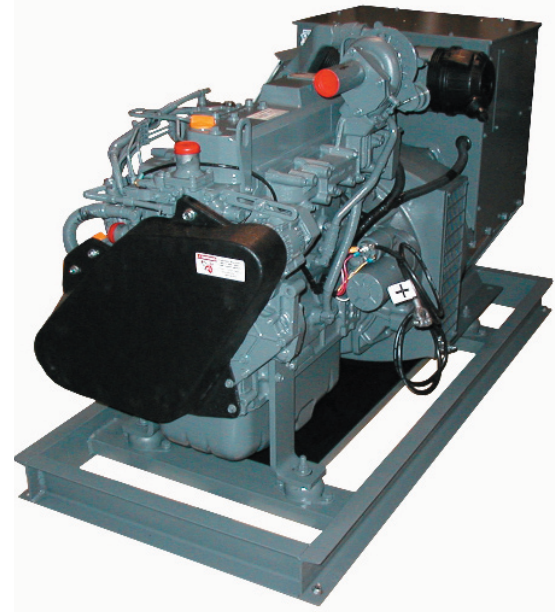


33kW_{60Hz} 35kVA_{50Hz}
norpro
A Global Power Solutions Company
Commercial Marine Series

33CMY

Standby Rating 60Hz: 33kW
Prime Rating 60Hz: 30kW



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.

Standard Features

- Digitec 400 Control Panel
- Marine Grade Epoxy Paint (Battleship Grey - Std.)
- Oil Drain Kit (valve type w/safety lock)
- Cartridge Airfilter
- Unit Mounted Panel
- Interlocking Rubber Isolation Mounts
- ABS Molded Drip Pan
- ABS Molded Belt Gaurd
- Centralized Lifting Point
- Steel Skid Base
- 12 Volt Breaker
- Hand Built in the USA
- Prototype and Production Tested
- Meets or Exceeds Tier 2 Nonroad Emissions Regulations
- 5 Year 5,000 Hour Warranty

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)



Complete details

also available on our

website.

Please visit:

www.4norpro.com

Engine Specifications

	60Hz	50Hz
Manufacturer	Yanmar	
Engine model	4TNV98	
Cylinder arrangement	4 in-line 4-cycle	
Displacement, cu.in. (cc)	202.48 (3318)	
Bore and stroke, (in.)	3.86 x 4.33	
Compression ratio	18.5:1	
Rated rpm	1800	1500
Max power at rated rpm (bhp)	54.7	45.6
Cylinder head material	Cast Iron	
Block material	Cast Iron	
Governor type	Mechanical	
Frequency regulation	3-5%	
Air cleaner type	Replaceable Element	

Engine Electrical System

Ignition system	Electric
Starter system voltage (DC)	12V
Battery recommendation (CCA)	700
Battery voltage (DC)	12V
Starter kW	2.3

Generator Specifications

Type	4 Pole
Exciter type	Brushless
Leads: Quantity	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 or 3
Power factor	1.0 or 0.8
Power Rating kW	33 27.5
Power rating kVA-1.0 (0.8)	33 (41) 27.5 (35)

Generator Ratings

Single Phase 1.0 PF		
Amps @ 120V	275	229
Amps @ 240V	138	115
Three Phase 0.8 PF		
Amps @ 120V	198	165
Amps @ 127V	188	156
Amps @ 208V	115	95
Amps @ 240V	99	83
Amps @ 277V	86	72
Amps @ 416V	57	48
Amps @ 480V	50	41

Fuel System

	60Hz	50Hz
Fuel shutoff solenoid		Electric
Fuel pump		Electric
Fuel pump priming		Mechanical
Fuel type		#2 Diesel
Fuel pump lift, ft (m)		3.28 (1)
Fuel line supply		5/16
Fuel line return		5/16

Cooling System

Engine coolant capacity (qts)	4.44
Alternator (hp)	1.5

Lubrication System

Type	Full Pressure
Engine oil capacity w/filter, qt.(L)	11.1 (10.5)
Oil filter type	Spin-on

Air Requirements

Engine combustion air intake (cfm)	94.71
Generator end cooling (cfm)	240
Sound shield air space, in. (cm)	4 (10.1)

Exhaust System

Exhaust type	Dry Exhaust
Max allowable back pressure (in.hg)	4.52
Exhaust outlet size, in.(cm)	3 (7.62)

Fuel Consumption

100% Load, gph (lph)	2.8 (10.6)	2.33 (8.83)
75% Load, gph (lph)	2.1 (7.9)	1.75 (6.58)
50% Load, gph (lph)	1.6 (6.1)	1.33 (5.08)

Sound Table

dB(A)	100%	75%	50%
3'	88	86	85
10'	84	84	84
21'	81	82	83

Weights and Dimensions

	Length in. (cm)	Height in. (cm)	Width in. (cm)	Dry Weight lbs. (kg)	Wet Weight lbs. (kg)
Open Unit	59 (150)	36.5 (93)	28 (72)	1265 (574)	1296 (588)

OPTIONAL EQUIPMENT**Color Options**

- Bonsai Blue
- Midnight Black
- Soft Silver

More Options

- Battery
- 24V kit
- Breaker
- Electronic governing
- "Y" harness
- Auxillary Stackable Crank Pulley