

Product Specifications For C4.4



Power Rating

Power Range	36.0R - 99 ekW
-------------	----------------

Generator Set Specifications

Frequency	50 / 60
-----------	---------

Speed	1500 / 1800 rpm
-------	-----------------

Minimum Rating	36.0R ekW (45 kVA)
----------------	--------------------

Maximum Rating	99 ekW (123 kVA)
----------------	------------------

Generator Set Configurations

Emissions	NST
-----------	-----

Engine Specifications

Engine Model	In-line 4, 4-Stroke-Cycle Diesel
--------------	----------------------------------

Aspiration	NA, T, TA
------------	-----------

Bore	4.13 in
------	---------

Stroke	5 in
--------	------

Displacement	269 in ³
--------------	---------------------

Governor Type	Electronic
---------------	------------

Generator Set Dimensions

Length	68.9 in
--------	---------

Width	47.8 in
-------	---------

Height 39.4 in

Weight 805 kg (1775 lb) - 1015 kg (2338 lb)

Generator Specifications

Excitation Separately excited from auxiliary winding to provide 300% short circuit current up to 10 seconds

Pitch 2/3

Number of Leads 12 lead reconnectable

Insulation Class H

IP Rating IP23 water protection (IP44 available for certain models, contact your dealer for information)

Voltage Regulator Solid state voltage regulator with integral voltage adjustment potentiometer

C4.4 Standard Equipment

Air Inlet System

Air cleaner, single element canister type w/ service indicator and rain cap

Dry insulated turbocharger (DIT and DITA models only)

Glowplug cold start system

Cooling System

Heat exchanger cooled packages w/ Cupro-nickel tube bundle (sized for 50 o C ambient air and 32 o C sea water) or Keel cooled packages (sized for 50 o C ambient air)

De-aeration expansion tank

Plate-type engine oil cooler

Gear driven centrifugal jacket water pump

Gear driven self priming sea water pump

Caterpillar Extended Life Coolant (heat exchanger cooled packages)

Exhaust System

Dry insulated turbocharger

Water-cooled exhaust manifolds

Fuel System

Primary fuel filter / water separator w/ NPT and BSP connectors (ship loose)
Secondary fuel filter (LH)
Fuel priming pump electric
Energize to run shutoff solenoid

Generator

12 lead reconnectable
3 phase all models
Brushless
Separately excited from auxiliary winding to provide 300% short circuit current up to 10 seconds
2/3 pitch
Broad voltage band
IP23 water protection
Solid state voltage regulator w/ integral voltage adjustment potentiometer
Class H insulation
Connection poles

Lube System

Lubricating oil
Oil filter (LH)
Dipstick (LH)
Fumes disposal (closed system)

Mounting System

Steel base frame with drip pan
Anti-vibration mounts

Starting/Charging System

Negative isolated ground electric system

General

Single side service (LH)
Keel cooled gensets do not include the keel cooler(s)

C4.4 Optional Equipment

Space Heater Kit

240V AC, 120V AC