Product Specifications For C18

Power Rating

Power Range	260 - 565 ekW

Generator Set Specifications

Frequency	50 / 60
Minimum Rating	260 ekW (325 kVA)
Maximum Rating	565 ekW (706 kVA)

Generator Set Configurations

Emissions	EPA Tier 3, IMO II, EU IWW, EU Stage V, China II

Engine Specifications

Configuration	In-line 6, 4-Stroke-Cycle Diesel
Aspiration	Turbocharged - Aftercooled
Bore	5.7 in
Stroke	7.2 in
Fuel System	MEUI
Oil Change Interval	250 / 500 hours
Governor	Electronic
Refill Capacity	68
Cooling	Heat Exchanger, Keel, Radiator Cooled
Rotation from Flywheel End	SAE No. (136 teeth)

Generator Specifications

Excitation	SRMP
Insulation	Class H
IP Rating	IP23 (standard), IP 44 (optional)
Voltage Regulator	CDVR (Digital Voltage)

Generator Set Dimensions - Radiator Cooled

Height	94.8 in
Length	55.6 in
Width	66.9 in
Weight - Approximate	13396 lb

Generator Set Dimensions - Keel And Hex Cooled

Length	119.6 in
Height	64.9 in
Width	55.6 in
Weight - Approximate	9747 lb

C18 Standard Equipment

Air Inlet System

Separate circuit after-cooled (SCAC)
Open Crankcase Ventilation (OCV) system
Turbocharger, jacket water cooled
Turbocharger inlet, 152 mm (6 in) OD straight connection

Cooling System

SCAC pump, gear driven, for HEX cooled engines only
Jacket water pump, gear driven
SCAC and JW shunt tanks for maintaining proper pump inlet pressures

Exhaust System

Water-cooled exhaust manifold & turbocharger
Round flanged exhaust outlet

Fuel System

Hybrid fuel line design
Fuel transfer pump, gear driven
Front service simplex fuel system
Manual fuel priming pump

Lube System

Center sump oil pan: Deep 500 hour oil change interval
Front and top service oil filler locations
Front service dipstick

Lube System

Oil pump, gear driven

Mounting System

Vibration Isolators
Formed C-channel rails

Control System

Common Interface to all Genset Control Panels
Programmable Low Idle
Electronic Diagnostics and Fault Logging
Electronic Fuel/Air Ratio Control

Control System

Programmable ECM Shutdowns for: High Jacket Water Coolant Temp Low Engine Oil Pressure Engine Overspeed

C18 Optional Equipment

Exhaust System

Dry Elbows
Water-Cooled Elbows
Flexible Fitting
Flange
Muffler
Muffler, Spark Arresting

Air Inlet System

Air Inlet Adapter

Charging System

Battery Chargers 10 amp
Charging alternator 24V 105 amp

Control System

Caterpillar alarm and protection
EMCP 4.2 control panel
MGCP III B control panel

Fuel System

Duplex fuel filter – front service
Fuel cooler
Primary fuel/water separator

Instrumentation

Generator service side - LH, RH
Generator terminal box extension
Load sharing module (option for type approved module)

Lube System

Duplex oil filter
Sump pump

Protection System

Generator protection - IP44

Starting System

Starting motors - electric and/or air
Jacket water heaters