Product Specifications For C280-12

Power Rating

Power Range	3640 - 3520 ekW

Generator Set Specifications

Frequency	50 / 60 Hz
Speed	900 - 1000 rpm
Minimum Rating	3520 ekW (4400 kVA)
Maximum Rating	3640 ekW (4550 kVA)

Engine Specifications

Emissions	EPA Tier 2, IMO II
Aspiration	Turbocharged-Aftercooled
Bore	11 in
Stroke	11.8 in
Displacement	13546 in³
Governor Type	Electronic
Fuel System	EUI
Compression Ratio 50 Hz	13.1
Compression Ratio 60 Hz	13:1
Engine Model	V 12, 4-Stroke-Cycle Diesel

Generator Set Dimensions

Length	316.5 in
Width	77.2 in
Height	155 in
Weight - Estimated	25000 lb

C280-12 Standard Equipment

General

LH and RH service availability

Air Inlet System

Aftercooler — fresh water, corrosion resistant coated (air side)
Crankcase breathers, top mounted
Air inlet adapter - Straight / 90 degree / 35 degree

Air Inlet Sytem

Dual turbochargers, rear-mounted, engine oil lubricated

Control System

Dual Caterpillar ADEM A4 Electronic Engine Control Modules
Rigid Wiring Harness

Cooling System

Aftercooler / oil cooler and jacket water pumps (gear driven)
Engine coolant water drains
Single Circuit / Separate Circuit Aftercooler

Exhaust System

Dry, gas tight, exhaust manifold
Turbo speed sensors - overspeed protection

Fuel System

Fuel transfer pump, gear driven
Duplex Fuel filters
Electronically Controlled Unit Injectors

Insrumentation

CAT Alarm & Protection System

Lube System

Oil pump, gear driven
3 element oil cooler, engine mounted
Duplex centrifugal oil filter - engine mounted
Prelube pump - air / electric

Protection System

Cylinder pressure relief valves

C280-12 Optional Equipment

Exhaust System

Exhaust manifold shielding - soft

Fuel System

SOLAS shielding

Lube System

Front and rear oil pan drains
Wet sump
SOLAS shielding

Protection Sytem

Oil mist detector

Protection System

Cylinder pressure relief valves