

PRODUCT SPECIFICATIONS FOR C27 ACERT TIER 4I

ENGINE SPECIFICATIONS

Maximum Rating	725 ekW (907 - 1035 kVA)
Minimum Rating	725 ekW (907 - 1035 kVA)
Emissions/Fuel Strategy	U.S. EPA Tier 2, U.S. EPA Tier 4 interim
Aspiration	Turbocharged, aftercooled
Manifold Type	Dry
Bore	5.4 in
Stroke	6 in
Displacement	1648 in ³
Engine Control and Protection	ADEM A4
Generator Set Control	EMCP 4.2
Generator	SR4B
Fuel System	MEUI
Frequency - Speed	60 Hz (1800 rpm)

CAPACITY FOR LIQUIDS

Fuel	Diesel
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DIMENSIONS

Length	186 in
Width	77 in
Height	86 in
Weight	20000 lb

C27 ACERT TIER 4I STANDARD EQUIPMENT

AIR INLET SYSTEM

Heavy-duty dual element air cleaner

Service indicator

COOLING SYSTEM

Radiator package mounted (50° C)

Side-by-side cores

Coolant drain line with valve at edge of base

Coolant level sight gauge

Fan and belt guards

Cat Extended Life Coolant

Metal top and bottom tanks

EXHAUST SYSTEM

Dry exhaust manifold

FUEL SYSTEM

Primary fuel filter

Secondary fuel filter

Fuel priming pump

Fuel transfer pump

GENERATOR

SR4B

Class H insulation

Random wound

IP23 protection

Cat DVR

Permanent magnet excitation

Two-bearing, close coupled alignment

CONTROLS

CONTROLS

- ADEM A4 ECU
- EMCP 4.2 control panel
- Emergency stop pushbutton

LUBE SYSTEM

- Oil cooler
- High efficiency oil filter
- Oil drain valves
- Fumes disposal
- Gear-type lube oil pump

MOUNTING SYSTEM

- Heavy-duty oilfield welded steel base (skiddable)
- Anti-vibration mounts
- Designed welded base for increased durability (C-channel design)

STARTING/CHARGING SYSTEM

- 24-volt starting motor
- 45-amp charging alternator

GENERAL

- Paint — Caterpillar yellow except rails and radiators (gloss black)
- Flywheel and flywheel housing — SAE No. 0
- Engine lifting eyes

C27 ACERT TIER 4I OPTIONAL EQUIPMENT

AIR INLET SYSTEM

- Pre-cleaners

CONTROL SYSTEM

- Direct rack control

COOLING SYSTEM

- Jacket water heater

EXHAUST SYSTEM

Manifold and turbocharger guards

Expander

GENERATOR

Self excited

STARTING/CHARGING SYSTEM

Air starting motor

MOUNTING SYSTEM

Short base - 4725 mm (186 in) total length (does not include drag bars)