



3056 DIT Engine Specifications

In-line 6 Cylinder, 4-Stroke-Cycle Diesel

Bore 100 mm (3.937 in)

Stroke 127 mm (5.00 in)

Displacement 6 L (365 cu in)

Compression Ratio 16.0:1

Rotation (from flywheel end) ccw

Generator Set Weight, Open Package (approx.)

Heat Exchanger Cooled 1192 kg (2622 lb)

Keel Cooled 1185 kg (2607 lb)

Fuel Consumption at full power

50 Hz 23.6 L/hr (6.24 gal/hr)

60 Hz 27.8 L/hr (7.35 gal/hr)

Minimum cold starting temp. - 15°C (5°F) with aid



3054 DIT Engine Specifications

In-line 4 Cylinder, 4-Stroke-Cycle Diesel

Bore 100 mm (3.937 in)

Stroke 127 mm (5.00 in)

Displacement 4 L (243 cu in)

Compression Ratio 16.0:1

Rotation (from flywheel end) ccw

Generator Set Weight, Open Package (approx)

Heat Exchanger Cooled 902 kg (1984 lb)

Keel Cooled 897 kg (1973 lb)

Fuel Consumption at full power

50 Hz 17.3 L/hr (4.56 gal/hr)

60 Hz 20.3 L/hr (5.37 gal/hr)

Minimum cold starting temp. - 15°C (5°F) with aid



3054 DINA Engine Specifications

In-line 4 cylinder, 4-Stroke-Cycle Diesel

Bore 100 mm (3.937 in)

Stroke 127 mm (5.00 in)

Displacement 4 L (243 cu in)

Compression Ratio 16.0:1

Rotation (from flywheel end) ccw

Generator Set Weight, Open Package (approx)

Heat Exchanger Cooled 720 kg (1587 lb)

Keel Cooled 715 kg (1576 lb)

Fuel Consumption at full power

50 Hz 10.4 L/hr (2.76 gal/hr)

60 Hz 12.5 L/hr (3.31 gal/hr)

Minimum cold starting temp. - 15°C (5°F) with aid



Cooling System Specifications

- System Capacity
 - 3054 engine only 13L (3.4 U.S. gal)
 - 3054 engine and expansion tank 18 L (4.75 U.S. gal)
 - 3056 engine only 19 L (5.0 U.S. gal)
 - 3056 engine and expansion tank 24 L (6.34 U.S. gal)
- Recommended Coolant
 - Caterpillar Extended Life Coolant
 - Commercial Coolant
 - 50% inhibited ethylene glycol or inhibited propylene glycol
 - 50% distilled or deionized water
- Pressure cap setting 50 kPa (7 psi)
- Thermostat operating range 78°C - 82°C (172°F - 180°F)



Fuel System Specifications

- Mechanical Governor
- Recommended Fuel
 - ASTM D 975 Number 2D
 - BS2869 Class A2
 - minimum cetane 45

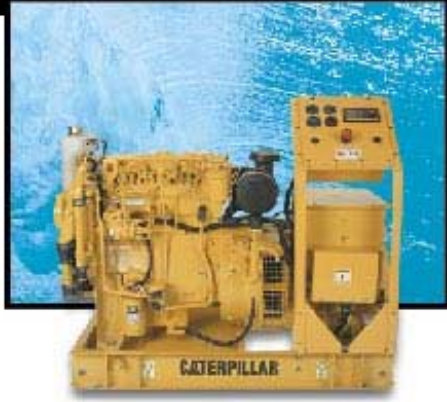
3056 AND 3054 MARINE GENERATOR SETS



Lube System Specifications

- Refill capacity including filter
 - 3054 8 L (2.1 U.S. gal)
 - 3056 18 L (4.75) U.S. gal)
- Sump capacity at full mark
 - 3054 7 L (1.8 U.S. gal)
 - 3056 15 L (3.96 U.S. gal)
- Recommended Oil
 - Cat DEO 15W40 or 10W30
- Oil pressure at rated speed
 - 3054 310 to 390 kPa (45 to 57 psi)
 - 3056 300 to 340 kPa (44 to 49 psi)
- High oil temperature limit (max)
 - 3054 NA 100°C (212°F)
 - 3054 T 125°C (230°F)
 - 3056 110°C (257°F)

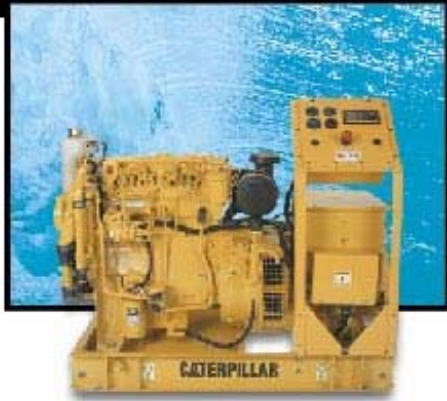
3056 AND 3054 MARINE GENERATOR SETS



3056 DIT Generator Specifications

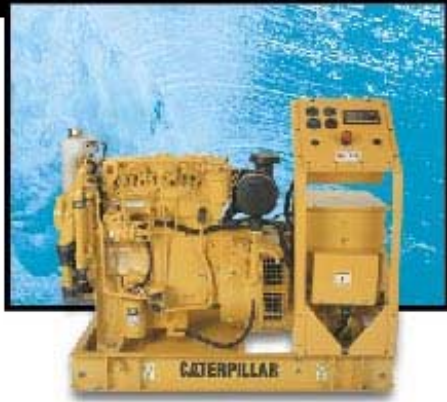
Power Factor	0.8
Phase	three
Frame	3024F
Insulation Class	H
Winding pitch-Code	2/3-(N°6)
Terminals	12 wires
Drip Proof	IP 23
Air flow 50/60 Hz	0.37 m ³ /s/0.44 m ³ /s
Excitation system	AREP
Voltage regulation (steady state)	±0.5%
Total harmonic content LL/LN	< 4%
Wave form : NEMA=TIF	< 50
Wave form : I.E.C. = THF	< 2%

3056 AND 3054 MARINE GENERATOR SETS



3054 DIT Generator Specifications

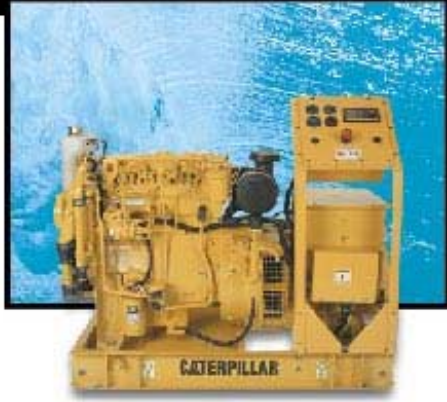
Power Factor	0.8
Phase	three
Frame	3024B
Insulation Class	H
Winding pitch-Code	2/3-(N°6)
Terminals	12 wires
Drip Proof	IP 23
Air flow 50/60 Hz	0.37 m ³ /s/0.44 m ³ /s
Excitation system	AREP
Voltage regulation (steady state)	± 0.5%
Total harmonic content LL/LN	< 4%
Wave form : NEMA=TIF	< 50
Wave form : I.E.C. = THF	< 2%



3054 DINA Generator Specifications

Power Factor	0.8
Phase	three
Frame	2024B
Insulation Class	H
Winding pitch-Code	2/3-(N°6)
Terminals	12 wires
Drip Proof	IP 23
Air flow 50/60 Hz	0.27 m ³ /s / 0.32 m ³ /s
Excitation system	AREP
Voltage regulation (steady state)	±0.5%
Total harmonic content LL/LN	< 4%
Wave form : NEMA=TIF	< 50
Wave form : I.E.C. = THF	< 2%

3056 AND 3054 MARINE GENERATOR SETS



3054 DINA Generator Specifications

Power Factor	1.0
Phase	single
Frame	2024J
Insulation Class	H
Winding pitch-Code	2/3-(N°6)
Terminals	12 wires
Drip Proof	IP 23
Air flow 50/60 Hz	0.27 m ³ /s/0.32 m ³ /s
Excitation system	AREP
Voltage regulation (steady state)	± 0.5%
Total harmonic content LL/LN	< 4%
Wave form : NEMA=TIF	< 50
Wave form : I.E.C. = THF	< 2%