

Exclusively from your Caterpillar® dealer



Enclosure pictured may include optional accessories

SOUND ATTENUATED ENCLOSURES

175-275 kVA, 50 Hz

169-250 kVA, 60 Hz

This range of fully weatherproof, sound attenuated enclosures are the result of continued research and development.

Within this range there are two alternatives. The CAE enclosure (available on 175-275 kVA products) is designed for operation in regions where compliance with EU noise legislation does not apply.

The CAEU enclosure (available on 220-275 kVA products only) reduces sound levels to comply with the stage 2 levels of the European Community directive 2000/14/EC which became effective 3 January 2006.

These enclosures incorporate internally mounted exhaust silencers and are of extremely rugged construction to withstand the rough handling common on construction sites. They are designed on modular principles with many interchangeable components permitting on-site repair.

FEATURES

ROBUST/HIGHLY CORROSION RESISTANT CONSTRUCTION

- Stainless steel locks and hinges
- Zinc plated or stainless steel fasteners
- Body made from steel components treated with polyester powder coating

EXCELLENT ACCESS FOR MAINTENANCE

- Two large doors on each-side
- Radiator fill access plate
- Lube oil and cooling water drains piped to exterior of the enclosure

SECURITY AND SAFETY

- Control panel viewing window in a lockable access-door
- Emergency stop button mounted on enclosure-exterior
- Cooling fan and battery charging alternator fully guarded
- Fuel fill and battery can only be reached via lockable access doors
- Exhaust silencing system totally enclosed for operator-safety

TRANSPORTABILITY

- Tested and certified single point lifting facility
- Lifting points on baseframe

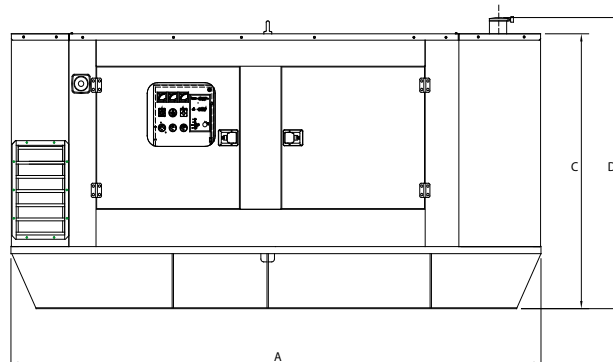
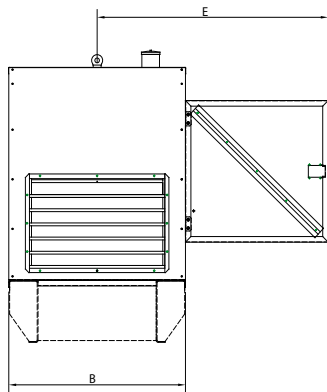
OPTIONAL FEATURE

- Oil field type skid with dragging points and fork lift truck pockets

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Sound Pressure Levels (dBA) for 175-275 kVA CAE Enclosure

Generator Set Model	Duty	Sound Power Level (LWA)	50 Hz at 1500 rpm						60 Hz at 1800 rpm					
			15 m		7 m		1 m		15 m		7 m		1 m	
			75% Load	100% Load	75% Load	100% Load	75% Load	100% Load	75% Load	100% Load	75% Load	100% Load	75% Load	100% Load
GEH175	Prime		-	-	-	-	-	-	67.0	68.0	73.0	73.0	83.0	83.0
	Standby		-	-	-	-	-	-	67.0	68.0	73.0	73.0	83.0	84.0
GEH220-2	Prime		64.6	64.9	70.6	70.9	82.6	82.7	66.9	67.5	72.9	73.5	86.4	86.7
	Standby		64.7	65.1	70.7	71.1	82.7	82.8	67.1	67.9	73.1	73.9	86.5	86.9
GEH250-2	Prime		64.8	65.1	70.8	71.1	82.7	82.8	67.0	67.8	73.0	73.8	86.5	86.8
	Standby		64.9	65.2	70.9	71.2	82.7	82.8	67.2	68.2	73.2	74.2	86.6	87.0
GEH275-2	Prime		64.9	65.2	70.9	71.2	82.7	82.8	-	-	-	-	-	-
	Standby		65.0	65.4	71.0	71.4	82.7	82.9	-	-	-	-	-	-



Dimensions and Weights for 175-275 kVA CAE Enclosure

Generator Set Model	A: mm (in)	B: mm (in)	C: mm (in)	D: mm (in)	*E: mm (in)	Fuel Capacity: l (US gal)	Weight: kgs (lb)
GEH175	3894 (153.3)	1300 (51.2)	1875 (73.8)	1996 (78.6)	1700 (66.9)	550 (145)	2797 (6166)
GEH220-2	3894 (153.3)	1300 (51.2)	1875 (73.8)	1996 (78.6)	1700 (66.9)	550 (145)	2944 (6490)
GEH250-2	3894 (153.3)	1300 (51.2)	1875 (73.8)	1996 (78.6)	1700 (66.9)	550 (145)	3029 (6678)
GEH275-2	3894 (153.3)	1300 (51.2)	1875 (73.8)	1996 (78.6)	1700 (66.9)	550 (145)	3094 (6821)

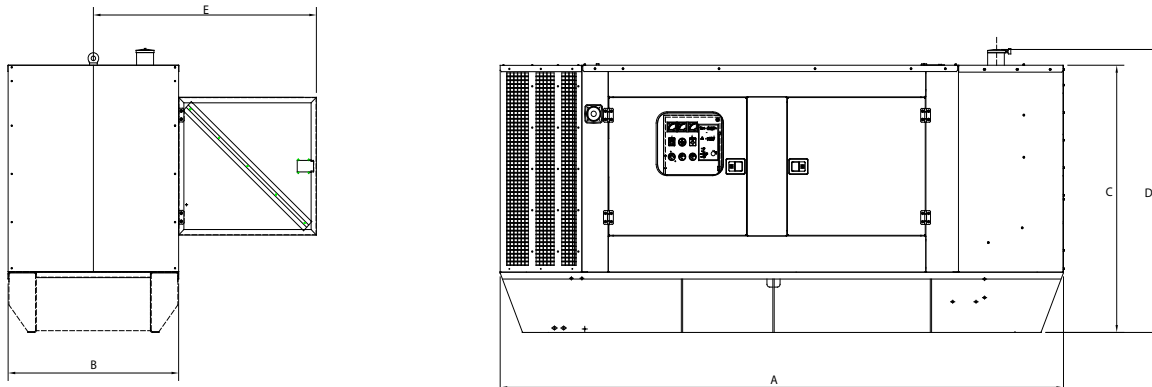
*Clearance required both sides
Weight with lube oil, no coolant, no fuel.

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Sound Pressure Levels (dBA) for 220-275 kVA CAEU Enclosure

Generator Set Model	Duty	Sound Power Level (LWA)	50 Hz at 1500 rpm						60 Hz at 1800 rpm					
			15 m		7 m		1 m		15 m		7 m		1 m	
			75% Load	100% Load	75% Load	100% Load	75% Load	100% Load	75% Load	100% Load	75% Load	100% Load	75% Load	100% Load
GEH220-2	Prime		63.4	64.0	69.4	70.0	79.2	79.9	66.9	67.2	72.9	73.2	85.4	85.7
	Standby		63.6	64.2	69.6	70.2	79.3	80.4	67.0	67.4	73.0	73.4	85.4	85.8
GEH250-2	Prime		63.7	64.3	69.7	70.3	79.4	80.7	66.9	67.4	72.9	73.4	85.4	85.8
	Standby		63.8	64.5	69.8	70.5	79.7	81.3	67.1	67.6	73.1	73.6	85.5	86.0
GEH275-2	Prime		63.8	64.5	69.8	70.5	79.7	81.3	-	-	-	-	-	-
	Standby		64.0	64.7	70.0	70.7	80.1	82.3	-	-	-	-	-	-

Levels in accordance with European Noise Directive (2000/14/EC)



Dimensions and Weights for 220-275 kVA CAEU Enclosure

Generator Set Model	A: mm (in)	B: mm (in)	C: mm (in)	D: mm (in)	*E: mm (in)	Fuel Capacity: l (US gal)	Weight: kgs (lb)
GEH220-2	4294 (169.1)	1300 (51.2)	1875 (73.8)	1996 (78.6)	1700 (66.9)	550 (145)	3035 (6691)
GEH250-2	4294 (169.1)	1300 (51.2)	1875 (73.8)	1996 (78.6)	1700 (66.9)	550 (145)	3120 (6878)
GEH275-2	4294 (169.1)	1300 (51.2)	1875 (73.8)	1996 (78.6)	1700 (66.9)	550 (145)	3185 (7022)

*Clearance required both sides
Weight with lube oil, no coolant, no fuel.