Cat® C4.4
Diesel Generator Sets

Standby & Prime: 50 Hz

Image shown might not reflect actual configuration

Engine Model	Cat® C4.4 Inline 4-stroke Diesel
Bore x Stroke	105.0 mm x 127.0 mm (4.1 in x 5.0 in)
Displacement	4.4 L (268.5 in³)
Compression Ratio	16.7:1
Aspiration	Turbocharged Air To Air Charge Cooled
Fuel Injection System	Inline
Governor	Electronic

Model	Standby	Prime	Emission Strategy
DE110E3	50 Hz	50 Hz	EU IIIA
	110.0 kVA (88.0 kW)	100.0 kVA (80.0 kW)	

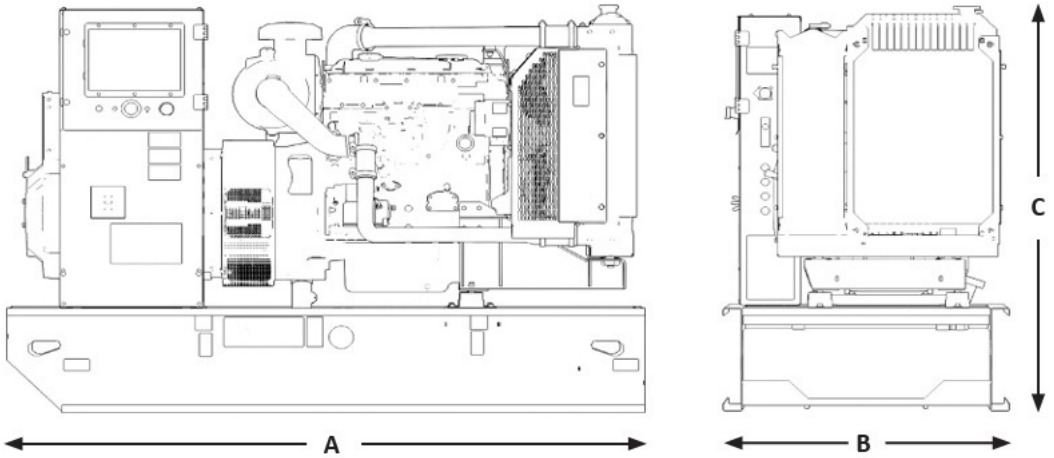
PACKAGE PERFORMANCE

Performance	Standby	Prime
Frequency	50 Hz	50 Hz
Genset Power Rating	110.0 kVA	100.0 kVA
Genset power rating with fan @ 0.8 power factor	88.0 kW	80.0 kW
Emissions	EU IIIA	
Performance Number	P4522B	
Fuel Consumption		
Fuel Tank Capacity, litres (US gal)	250 (66.0)	
100% load with fan, L/hr (gal/hr)	24.6 (6.5)	23.4 (6.2)
75% load with fan, L/hr (gal/hr)	20.7 (5.5)	19.5 (5.2)
50% load with fan, L/hr (gal/hr)	15.6 (4.1)	14.6 (3.9)
Cooling System[1]		
Radiator air flow, m³/min (cfm)	201.0 (7098)	
Total coolant capacity, L (gal)	17.0 (4.5)	
Inlet Air		
Max. Combustion Air Intake Restriction, kPa (in H_2O)	5.0 (20.1)	
Combustion air inlet flow rate, m³/min (cfm)	6.7 (238)	6.4 (227)
Max. Allowable Combustion Air Inlet Temp, °C (°F)	50 (122)	
Exhaust System		
Exhaust stack gas temperature, °C (°F)	675 (1247)	657 (1215)
Exhaust gas flow rate, m³/min (cfm)	17.4 (614)	16.4 (580)
Exhaust system backpressure (maximum allowable), kPa (in H_2O)	15.0 (4.4)	
Heat Rejection		
Heat rejection to jacket water, kW (Btu/min)	51.9 (2952)	47.1 (2679)
Heat rejection to alternator, kW (Btu/min)	7.8 (444)	
Heat rejection to atmosphere from engine, kW (Btu/min)	22.1 (1257)	20.0 (1137)

C4.4 Diesel Generator Sets
Electric Power

Alternator[3]	50 Hz		
Voltages	415V	400V	380V
Motor starting capability @ 30% Voltage Dip, skVA	256	240	220
Current, amps	153	159	167
Temperature Rise, °C	125/40		
Frame Size	LC3114F		
Excitation	S.E		

WEIGHTS & DIMENSIONS



Dim "A" mm (in)	Dim "B" mm (in)	Dim "C" mm (in)	Dry Weight kg (lb)
2089 (82.2)	1120 (44.1)	1495 (58.9)	1190 (2623)

Note: General configuration not to be used for installation. See general dimension drawings for detail.

APPLICABLE CODES AND STANDARDS:

AS1359, NFPA37, NFPA70, NFPA99, NFPA110, IBC, IEC60034-1, ISO3046, ISO8528, NEMA MG1-22, NEMA MG1-33, 2006/95/EC, 2006/42/EC, 2004/108/EC.

Note: Codes may not be available in all model configurations. Please consult your local Cat Dealer representative for availability.

STANDBY: Output available with varying load for the duration of the interruption of the normal source power. Average power output is 70% of the standby power rating. Typical operation is 200 hours per year, with maximum expected usage of 500 hours per year.

PRIME: Output available with varying load for an unlimited time. Average power output is 70% of the prime rated ekW. Typical peak demand is 100% of prime rated ekW with 10% overload capability for emergency use for a maximum of 1 hour in 12. Overload operation cannot exceed 25 hours per year.

RATINGS: Ratings are based on SAE J1349 standard conditions. These ratings also apply at ISO3046 standard conditions.

DEFINITIONS AND CONDITIONS

[1] For ambient and altitude capabilities consult your Cat dealer. Air flow restriction (system) is added to existing restriction from factory.

[2] Emissions data measurement procedures are consistent with those described in EPA CFR 40 Part 89, Subpart D & E and ISO8178-1 for measuring HC, CO, PM, NOx. Data shown is based on steady state operating conditions of 77°F, 28.42 in HG and number 2 diesel fuel with 35° API and LHV of 18,390 BTU/lb. The nominal emissions data shown is subject to instrumentation, measurement, facility and engine to engine variations. Emissions data is based on 100% load and thus cannot be used to compare to EPA regulations which use values based on a weighted cycle.

[3] Generator temperature rise is based on a 40°C ambient per NEMA MG1-32.

LET'S DO THE WORK.™

LEHE0707-06 (03/22)

Image shown may not reflect actual configuration

Sound Attenuated Level 2 Enclosures

24 – 220 kVA Range

The sound attenuated Level 2, factory installed enclosures incorporate internally mounted critical level silencers. They are the premium enclosure offering for this range, designed for safety and aesthetic value on an integral fuel tank base. Extremely durable and weather resistant, these enclosures are designed to resist corrosion and handling damage.

The enclosures are the result of continuing research and development by our specialist acoustic engineers.

These enclosures reduce sound levels to comply with the Stage 2 levels of the European Community Directive 2000/14/EC which became effective January 3, 2006.

Features

Durable and Robust Construction

- Manufactured from galvanized steel
- Advanced powder-coated paint finish
- Single-piece main roof
- Base frame extends beyond enclosure, protecting against handling damage
- Minimal external fixings exposed to environment
- Zinc-plated fasteners
- Corner posts and air handling units manufactured from high-grade engineering thermoplastic

Security and Safety

- Secure, lockable doors prevent unauthorized access to control panel, fuel fill, and battery
- Emergency stop button mounted on exterior, convenient to control panel
- Cooling fan and battery charging alternator fully guarded

Excellent Service and Maintenance Access

- Side-hinged doors on both sides of the enclosure incorporate lift-off hinges at 45°
- Radiator fill via removable, flush-mounted rain cap fitted with compression seal
- Lube oil cooling water drains piped to baseframe side rail, on exterior
- Removable end panels allow access to radiator, exhaust outlet, and alternator rear
- Doors positioned for optimum access of frequently serviced items

Transportability

- Optional tested and certified lifting arch
- Lifting and drag points on base frame facilitate handling from both sides

Sound Pressure Levels (dBA)

Generator Set Model Three-phase		LWA	50 Hz						60 Hz					
			15m (50 ft)		7m (23 ft)		1m (3.3 ft)		15m (50 ft)		7m (23 ft)		1m (3.3 ft)	
			75% Load	100% Load	75% Load	100% Load	75% Load	100% Load	75% Load	100% Load	75% Load	100% Load	75% Load	100% Load
DE33E0	Prime	94	61	62	67	68	76	77	61	63	67	69	77	79
	Standby	94	61	62	67	68	76	77	61	64	67	70	78	80
DE33E3	Prime	94	59	61	65	67	75	77	–	–	–	–	–	–
	Standby	94	60	62	66	68	76	78	–	–	–	–	–	–
DE50E0	Prime	93	57	58	63	64	74	74	60	61	66	67	76	77
	Standby	93	57	58	63	64	74	75	60	62	66	68	77	78
DE50E2	Prime	93	56	56	62	62	74	75	–	–	–	–	–	–
	Standby	93	56	57	62	63	74	75	–	–	–	–	–	–
DE55E0	Prime	93	57	58	63	64	74	75	60	62	66	68	77	78
	Standby	93	57	59	63	65	74	76	61	62	67	68	77	79
DE55E2	Prime	93	56	57	62	63	74	74	–	–	–	–	–	–
	Standby	93	56	57	62	63	74	75	–	–	–	–	–	–
DE65E0	Prime	93	58	60	64	66	74	76	61	63	67	69	77	79
	Standby	93	58	61	64	67	75	77	62	64	68	70	78	80
DE65E3	Prime	93	58	59	64	65	75	76	–	–	–	–	–	–
	Standby	93	58	59	64	65	75	76	–	–	–	–	–	–
DE88E0	Prime	93	58	59	64	65	76	76	61	61	67	67	78	79
	Standby	93	58	60	64	66	76	77	61	62	67	68	79	79
DE88E3	Prime	97	61	61	67	67	79	79	–	–	–	–	–	–
	Standby	97	61	62	67	68	79	79	–	–	–	–	–	–
DE110E2	Prime	97	62	63	68	69	80	81	65	65	71	71	84	84
	Standby	97	63	64	69	70	80	81	65	66	71	72	84	84
DE110E3	Prime	97	61	62	67	68	79	79	–	–	–	–	–	–
	Standby	97	62	62	68	68	79	79	–	–	–	–	–	–
DE150E0	Prime	97	60	61	66	67	76	76	61	61	67	67	77	77
	Standby	97	60	61	66	67	76	77	61	61	67	67	77	78
DE165E0	Prime	97	59	59	65	65	74	74	61	62	67	68	77	77
	Standby	97	59	59	65	65	74	75	62	62	68	68	77	78

Sound Pressure Levels (dBA)

Generator Set Model Three-phase		LWA	50 Hz						60 Hz					
			15m (50 ft)		7m (23 ft)		1m (3.3 ft)		15m (50 ft)		7m (23 ft)		1m (3.3 ft)	
			75% Load	100% Load	75% Load	100% Load	75% Load	100% Load	75% Load	100% Load	75% Load	100% Load	75% Load	100% Load
DE165E3	Prime	–	58	59	64	65	73	74	–	–	–	–	–	–
	Standby	–	58	59	64	65	74	74	–	–	–	–	–	–
DE175E3	Prime	–	58	59	64	65	74	74	–	–	–	–	–	–
	Standby	–	58	59	64	65	74	75	–	–	–	–	–	–
DE200E0	Prime	97	62	62	68	68	78	78	65	65	71	71	81	81
	Standby	97	62	63	68	69	78	78	65	65	71	71	81	81
DE200E3	Prime	–	59	60	65	66	74	75	–	–	–	–	–	–
	Standby	–	59	60	65	66	74	75	–	–	–	–	–	–
DE220E0	Prime	97	62	64	68	70	78	79	–	–	–	–	–	–
	Standby	97	63	64	69	70	78	79	–	–	–	–	–	–

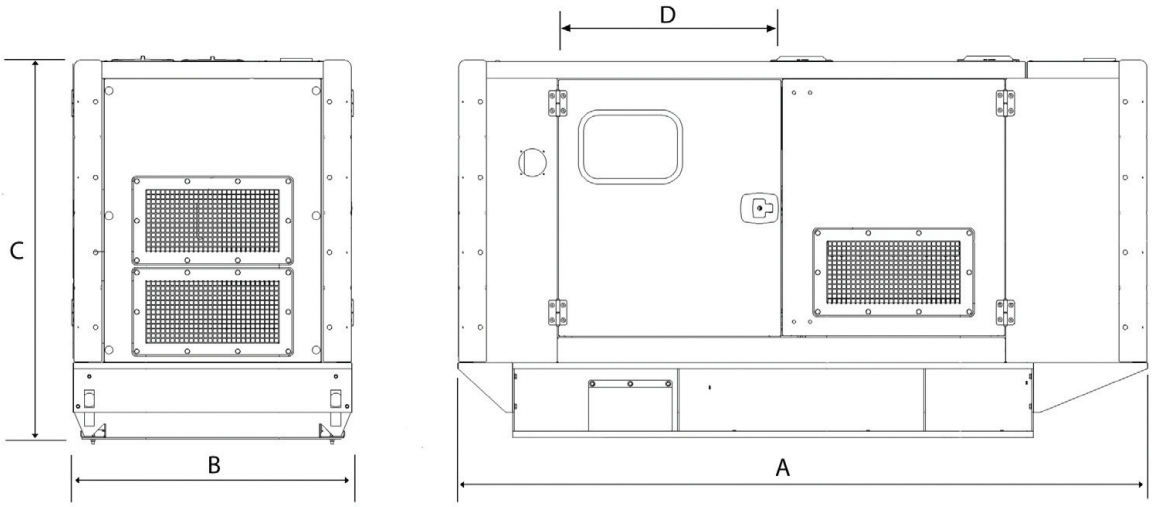
Levels in accordance with European Noise Directive (2000/14/EC).

Sound Pressure Levels (dBA)

Generator Set Model Single-phase		LWA	50 Hz						60 Hz					
			15m (50 ft)		7m (23 ft)		1m (3.3 ft)		15m (50 ft)		7m (23 ft)		1m (3.3 ft)	
			75% Load	100% Load	75% Load	100% Load	75% Load	100% Load	75% Load	100% Load	75% Load	100% Load	75% Load	100% Load
DE26E0S	Prime	94	61	62	67	68	76	77	61	63	67	69	77	79
	Standby	94	61	62	67	68	76	77	61	64	67	70	78	80
DE26E3S	Prime	94	59	61	65	67	75	77	–	–	–	–	–	–
	Standby	94	60	62	66	68	76	77	–	–	–	–	–	–
DE40E0S	Prime	93	57	58	63	64	74	74	60	61	66	67	76	77
	Standby	93	57	58	63	64	74	75	60	62	66	68	77	78
DE40E2S	Prime	93	56	56	62	62	74	75	–	–	–	–	–	–
	Standby	93	56	57	62	63	74	75	–	–	–	–	–	–
DE50E0S	Prime	93	57	58	63	64	75	76	60	61	66	67	78	78
	Standby	93	57	58	63	64	75	76	60	61	66	67	78	78
DE55E3S	Prime	93	58	59	64	65	75	76	–	–	–	–	–	–
	Standby	93	58	59	64	65	75	76	–	–	–	–	–	–
DE90E2S	Prime	97	62	63	68	69	80	81	65	65	71	71	84	84
	Standby	97	63	64	69	70	80	81	65	66	71	72	84	84
DE90E3S	Prime	97	61	62	67	68	79	79	–	–	–	–	–	–
	Standby	97	62	62	68	68	79	79	–	–	–	–	–	–

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

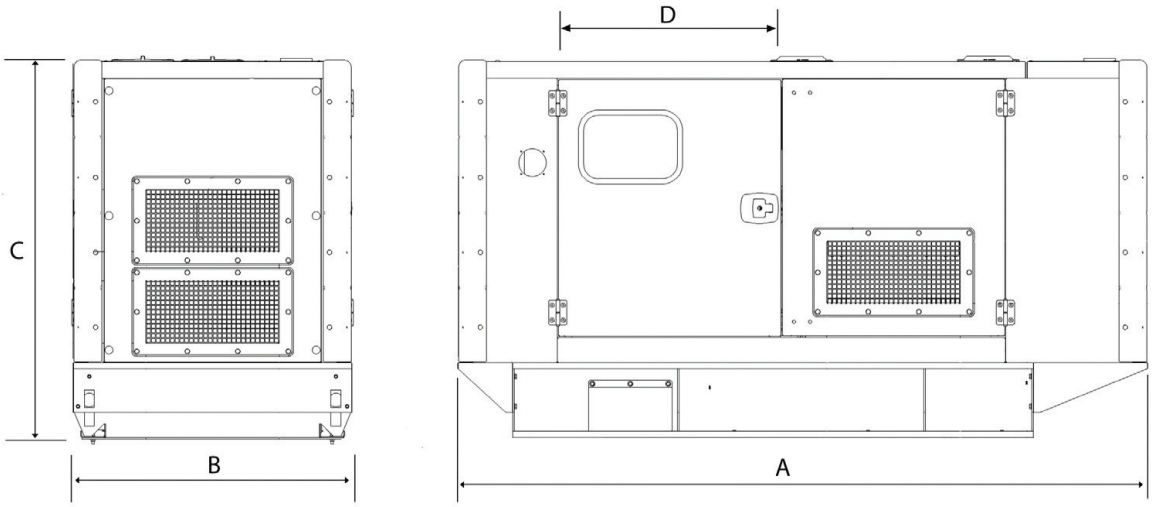
Weights and Dimensions



Generator Set Model Three-phase	A: mm (in)	B: mm (in)	C: mm (in)	D*: mm (in)	Fuel Capacity: l (US gal)	Weight: kg (lb)
DE33E0	2120 (83.5)	980 (38.6)	1519 (59.8)	716 (28.2)	161 (43.0)	1002 (2209)
DE33E3	2120 (83.5)	980 (38.6)	1519 (59.8)	716 (28.2)	161 (43.0)	1002 (2209)
DE50E2	2300 (90.6)	1132 (44.6)	1519 (59.8)	761 (30.0)	219 (58.0)	1237 (2727)
DE50E0	2300 (90.6)	1132 (44.6)	1519 (59.8)	761 (30.0)	219 (58.0)	1237 (2727)
DE55E0	2300 (90.6)	1132 (44.6)	1519 (59.8)	761 (30.0)	219 (58.0)	1229 (2709)
DE55E2	2300 (90.6)	1130 (44.5)	1525 (60.0)	761 (30.0)	219 (58.0)	1277 (2815)
DE65E0	2300 (90.6)	1132 (44.6)	1519 (59.8)	761 (30.0)	219 (58.0)	1249 (2754)
DE65E3	2300 (90.6)	1130 (44.5)	1519 (59.8)	761 (30.0)	219 (58.0)	1319 (2908)
DE88E0	2300 (90.6)	1130 (44.5)	1519 (59.8)	761 (30.0)	219 (58.0)	1416 (3122)
DE88E3	2770 (109.1)	1130 (44.5)	1530 (60.2)	893 (35.2)	250 (66.0)	1554 (3426)
DE110E2	2770 (109.1)	1130 (44.5)	1530 (60.2)	893 (35.2)	250 (66.0)	1615 (3560)
DE110E3	2770 (109.1)	1130 (44.5)	1530 (60.2)	893 (35.2)	250 (66.0)	1744 (3845)
DE150E0	3520 (138.6)	1130 (44.5)	1809 (71.2)	1143 (45.0)	349 (92.2)	1918 (4228)
DE165E0	3520 (138.6)	1130 (44.5)	1809 (71.2)	1143 (45.0)	349 (92.2)	2016 (4445)
DE165E3	3520 (138.6)	1130 (44.5)	1809 (71.2)	1143 (45.0)	349 (92.2)	2158 (4758)
DE175E3	3520 (138.6)	1130 (44.5)	1809 (71.2)	1143 (45.0)	349 (92.2)	2158 (4758)
DE200E0	3520 (138.6)	1330 (52.4)	1809 (71.2)	1078 (42.4)	418 (110.0)	2198 (4836)
DE200E3	3520 (138.6)	1330 (52.4)	1809 (71.2)	1078 (42.4)	418 (110.0)	2248 (4956)
DE220E0	3520 (138.6)	1330 (52.4)	1809 (71.2)	1078 (42.4)	418 (110.0)	2238 (4934)

*Clearance required on both sides of set.
Weight with lube oil and coolant, no fuel.

Weights and Dimensions



Generator Set Model Single-phase	A: mm (in)	B: mm (in)	C: mm (in)	D*: mm (in)	Fuel Capacity: l (US gal)	Weight: kg (lb)
DE26E0S	2120 (83.5)	980 (38.58)	1519 (59.8)	716 (28.2)	161 (43.0)	991 (2185)
DE26E3S	2120 (83.5)	980 (38.58)	1519 (59.8)	716 (28.2)	161 (43.0)	991 (2185)
DE40E0S	2300 (90.6)	1132 (44.7)	1519 (59.8)	761 (30.0)	219 (58.0)	1247 (2749)
DE40E2S	2300 (90.6)	1132 (44.7)	1519 (59.8)	761 (30.0)	219 (58.0)	1199 (2643)
DE50E0S	2300 (90.6)	1132 (44.7)	1519 (59.8)	761 (30.0)	219 (58.0)	1315 (2899)
DE55E3S	2300 (90.6)	1130 (44.5)	1519 (59.8)	765 (30.1)	219 (58.0)	1355 (2987)
DE90E2S	2770 (109.1)	1130 (44.5)	1530 (60.2)	893 (35.2)	250 (66.0)	1613 (3556)
DE90E3S	2770 (109.1)	1130 (44.5)	1530 (60.2)	893 (35.2)	250 (66.0)	1653 (3644)

*Clearance required on both sides of set.
Weight with lube oil and coolant, no fuel.

LET'S DO THE WORK.™

www.Cat.com/electricpower

LEHE0788-09 (11/20)

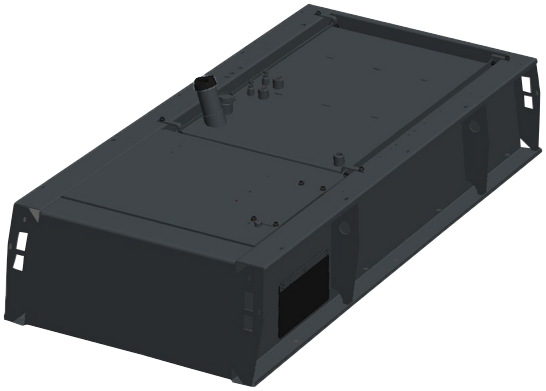


Image shown may not reflect actual package

Integral Extended Capacity Dual Wall Fuel Tank Base

24 – 220 kVA

The dual wall tank are sized for a minimum of 12 hours running at 75% prime across the 24 – 220 kVA range. The base tank is designed to DEFRA standards, (Department of the Environment, Food and Rural Affairs body in the UK).

Features

- Top of tank acts as a catchment area for all potential liquid spills
- Secondary containment with capacity for 110% of liquids
- 4 mm gauge corrosive resistant steel construction
- All joints are fully seam welded
- Polyester powder painted to ensure maximum scuff resistance
- Pressure tested between 4 to 5 psi depending on tank size
- Mechanical direct reading fuel contents gauge
- Fuel fill neck with 63.5 mm ($2^{1}/_{2}$ inch) diameter with $^{1}/_{4}$ turn cap
- Breather vent
- Fuel feed and return lines to engine
- 2 threaded auxiliary ports for installation of third party fuel transfer system
- Tank baffles

Generator Set Model	Length mm (in)	Width mm (in)	Increase in Height over Standard Product mm (in)	Increase in Weight over Standard Product kg (lb)	Fillable Capacity l (US gal)	Usable Capacity l (US gal)	Estimated Run Time (hrs) at 75% Prime Rating 50 Hz	60 Hz
Single Phase								
DE26E0S	1540 (60.6)	970 (38.2)	160 (6.25)	114 (251)	193 (51.0)	185 (48.9)	35.6	—
DE26E3S	1540 (60.6)	970 (38.2)	160 (6.25)	114 (251)	193 (51.0)	185 (48.9)	32.5	—
DE40E0S	1925 (75.8)	1120 (44.1)	160 (6.25)	141 (311)	269 (71.1)	257 (67.9)	34.3	29.9
DE40E2S	1925 (75.8)	1120 (44.1)	160 (6.25)	141 (311)	269 (71.1)	257 (67.9)	33.3	—
DE50E0S	1925 (75.8)	1120 (44.1)	160 (6.25)	141 (311)	269 (71.1)	257 (67.9)	28.6	21.4
DE55E3S	1925 (75.8)	1120 (44.1)	160 (6.25)	141 (311)	269 (71.1)	257 (67.9)	20.9	—
DE90E2S	2089 (82.2)	1120 (44.1)	160 (6.25)	148 (326)	301 (79.5)	288 (76.1)	17.1	14.6
DE90E3S	2089 (82.2)	1120 (44.1)	160 (6.25)	148 (326)	301 (79.5)	288 (76.1)	14.9	—

Generator Set Model	Length mm (in)	Width mm (in)	Increase in Height over Standard Product mm (in)	Increase in Weight over Standard Product kg (lb)	Fillable Capacity l (US gal)	Usable Capacity l (US gal)	Estimated Run Time (hrs) at 75% Prime Rating 50 Hz	60 Hz
3 Phase								
DE33E0	1540 (60.6)	970 (38.2)	160 (6.25)	114 (251)	193 (51.0)	185 (48.9)	35.6	29.8
DE33E3	1540 (60.6)	970 (38.2)	160 (6.25)	114 (251)	193 (51.0)	185 (48.9)	32.5	—
DE50E0	1925 (75.8)	1120 (44.1)	160 (6.25)	141 (311)	269 (71.1)	257 (67.9)	33.0	28.6
DE50E2	1925 (75.8)	1120 (44.1)	160 (6.25)	141 (311)	269 (71.1)	257 (67.9)	32.1	—
DE55E0	1925 (75.8)	1120 (44.1)	160 (6.25)	141 (311)	269 (71.1)	257 (67.9)	29.5	24.5
DE55E2	1925 (75.8)	1120 (44.1)	160 (6.25)	141 (311)	269 (71.1)	257 (67.9)	21.6	—
DE65E0	1925 (75.8)	1120 (44.1)	160 (6.25)	141 (311)	269 (71.1)	257 (67.9)	25.2	22.0
DE65E3	1925 (75.8)	1120 (44.1)	160 (6.25)	141 (311)	269 (71.1)	257 (67.9)	20.9	—
DE88E0	1925 (75.8)	1120 (44.1)	160 (6.25)	141 (311)	269 (71.1)	257 (67.9)	18.9	16.0
DE88E3	2089 (82.2)	1120 (44.1)	160 (6.25)	148 (326)	301 (79.5)	288 (76.1)	18.1	—
DE110E2	2089 (82.2)	1120 (44.1)	160 (6.25)	148 (326)	301 (79.5)	288 (76.1)	17.4	14.7
DE110E3	2089 (82.2)	1120 (44.1)	160 (6.25)	148 (326)	301 (79.5)	288 (76.1)	15.2	—
DE150E0	2500 (98.4)	1120 (44.1)	160 (6.25)	185 (407)	437 (115.4)	418 (110.4)	18.5	16.4
DE165E0	2500 (98.4)	1120 (44.1)	160 (6.25)	185 (407)	437 (115.4)	418 (110.4)	16.8	14.4
DE165E3	2500 (98.4)	1120 (44.1)	160 (6.25)	185 (407)	437 (115.4)	418 (110.4)	14.8	—
DE175E3	2500 (98.4)	1120 (44.1)	160 (6.25)	185 (407)	437 (115.4)	418 (110.4)	14.3	—
DE200E0	2500 (98.4)	1320 (52.0)	160 (6.25)	217 (478)	548 (144.8)	524 (138.4)	16.9	—
DE200E3	2500 (98.4)	1320 (52.0)	160 (6.25)	217 (478)	548 (144.8)	524 (138.4)	16.1	—
DE220E0	2500 (98.4)	1320 (52.0)	160 (6.25)	217 (478)	548 (144.8)	524 (138.4)	16.9	—

Control Panel

Image shown might not reflect actual configuration

GCCP 1.3 - Control Panel

GCCP 1.3 Control Module is suitable for a wide variety of generator set applications. It controls operation of the generator, monitors an extensive number of engine parameters, and displays warnings, shutdown, and engine status information on the back-lit LCD screen, illuminated LEDs and remote PC, if desired.

FEATURES

- 4-line back-lit LCD text display
- Multiple display languages
- Five-key menu navigation
- LCD alarm indication
- Customisable power-up text and images
- Data logging facility
- Internal PLC editor
- Protections disable feature
- Fully configurable via PC using USB & RS485 communication
- Front panel configuration with PIN protection
- Power save mode
- 3-phase generator sensing and protection
- 3-phase mains (utility) sensing and protection (Optional)
- Automatic load transfer control (optional)
- Auto Mains (Utility) Failure capable (optional)
- Mains (utility) current and power monitoring (kW, kvar, kVA, pf) (Optional)
- Generator current and power monitoring (kW, kvar, kVA, pf)
- kW and kvar overload and reverse power alarms
- Over current protection
- Unbalanced load protection
- Breaker control via fascia buttons
- Fuel and start outputs configurable when using CAN
- Support for 0 V to 10 V & 4 mA to 20 mA sensors
- 8 configurable digital inputs (3 available for Customer use)
- 8 configurable digital outputs (5 available for Customer use)
- 4 configurable analogue outputs (3 available for Customer Use)
- CAN, MPU and alternator frequency speed sensing in one variant
- Real time clock
- Engine pre-heat and post-heat functions
- Engine run-time scheduler
- Engine idle control for starting &stopping
- Fuel usage monitor and low fuel level alarms
- 3 configurable maintenance alarms

BENEFITS

- Hours counter provides accurate information for monitoring and maintenance periods
- User-friendly set-up and button layout for ease of use
- Multiple parameters are monitored & displayed simultaneously for full visibility
- The module can be configured to suit a wide range of applications for user flexibility
- PLC editor allows user configurable functions to meet user specific application requirements.
- RS485 Communication port can be used for the Remote Monitoring Communication (Compatible with Cat PLG)

SPECIFICATION

DC SUPPLY
CONTINUOUS VOLTAGE RATING
8 V to 35 V Continuous
5 V for upto 1 minute

CRANKING DROPOUTS
Able to survive 0 V for 100 mS, providing supply was at least 10 V before dropout and supply recovers to 5 V. This is achieved without the need for internal batteries.
LEDs and backlight will not be maintained during cranking.

MAXIMUM OPERATING CURRENT
260 mA at 12 V, 150 mA at 24 V

MAXIMUM STANDBY CURRENT
145 mA at 12 V, 85 mA at 24 V

CHARGE FAIL/EXCITATION RANGE
0 V to 35 V

GENERATOR & MAINS (UTILITY) VOLTAGE RANGE
15 V to 415 V AC (Ph to N)
26 V to 719 V AC (Ph to Ph)

FREQUENCY RANGE
3.5 Hz to 75 Hz

MAGNETIC PICKUP VOLTAGE RANGE
+/- 0.5 V to 70 V

FREQUENCY RANGE
10,000 Hz (max)

INPUTS
DIGITAL INPUTS A TO H
Negative switching

ANALOGUE INPUTS A & D
Configurable as:
Negative switching digital input 0 V to 10 V sensor
4 mA to 20 mA sensor Resistive sensor

ANALOGUE INPUTS B & C
Configurable as:
Negative switching digital input Resistive sensor

OUTPUTS
OUTPUT A & B (FUEL & START)
15 A DC at supply voltage

AUXILIARY OUTPUTS C, D, E, F, G & H
2 A DC at supply voltage

DIMENSIONS OVERALL
216 mm x 158 mm x 43 mm
8.5" x 6.2" x 1.5"

PANEL CUT-OUT
184 mm x 137 mm
7.2" x 5.3"

MAXIMUM PANEL THICKNESS
8 mm
0.3"

STORAGE TEMPERATURE RANGE
-40°C to +85°C
-40 °F to +185 °F

OPERATING TEMPERATURE RANGE
-30°C to +70°C
-22 °F to +158 °F

LEHE2657-01 (06-21)