

Industrial Generator Set Accessories

KOHLER® Power Systems

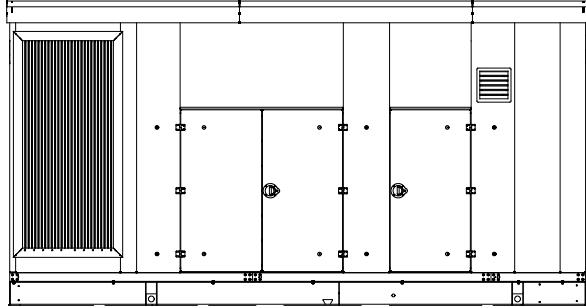
Aluminum Sound Enclosure and
Subbase Fuel Tank Package



Applicable to the following models:
KD800 – KD2500

Sound Level 1 Enclosure Standard Features

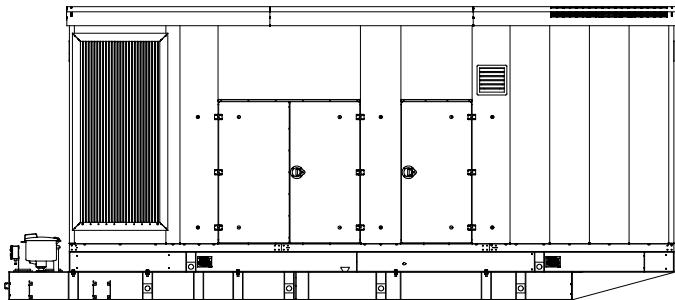
- Internal silencers with flexible exhaust connectors and exhaust elbows.
- Mounts to lift base and optional subbase fuel tank.
- Aluminum construction with six large, hinged, removable doors for easy maintenance.
- Fade-, scratch-, and corrosion-resistant Kohler® Power Armor™ automotive-grade textured finish.
- Lockable, flush-mounted door latches.
- Air inlet louvers to reduce rain and snow entry.
- Sloped roof to reduce the buildup of moisture and debris.
- Acoustic insulation that meets UL 94 HF1 flammability classification.
- High wind bracing, 241 kph (150 mph).
- Sound level 1 enclosure uses internal silencers, acoustic insulation and acoustic-lined air inlet hoods.



Level 1 Sound Enclosure with Lift Base

Sound Level 2 Enclosure Standard Features

- Includes all of the sound level 1 enclosure features with the addition of up to 51 mm (2 in.) acoustic insulation material, intake sound baffles, secondary silencers, and vertical air discharge with rain caps.
- Vertical outlet hood with 90 degree angles to redirect air and reduce noise.



Level 2 Sound Enclosure with Subbase Fuel Tank
(shown with optional spill containment)

Subbase Fuel Tank Features

- The fuel tank has a Power Armor Plus™ textured epoxy-based rubberized coating.
- The above-ground rectangular secondary containment tank mounts directly to the generator set, below the generator set skid (subbase).
- Both the inner and outer tanks have UL-listed emergency relief vents.
- Flexible fuel lines are provided with subbase fuel tank selection.
- The containment tank's construction protects against fuel leaks or ruptures. The inner (primary) tank is sealed inside the outer (secondary) tank. The outer tank contains the fuel if the inner tank leaks or ruptures.
- The above ground secondary containment subbase fuel tank meets UL 142 requirements.

Available Approvals and Listings

- UL 2200 Listing
- UL142 Listing (fuel tanks)
- CSA Approval
- IBC Seismic Certification
- California OSHPD Approval
- cUL Listing (fuel tanks only)

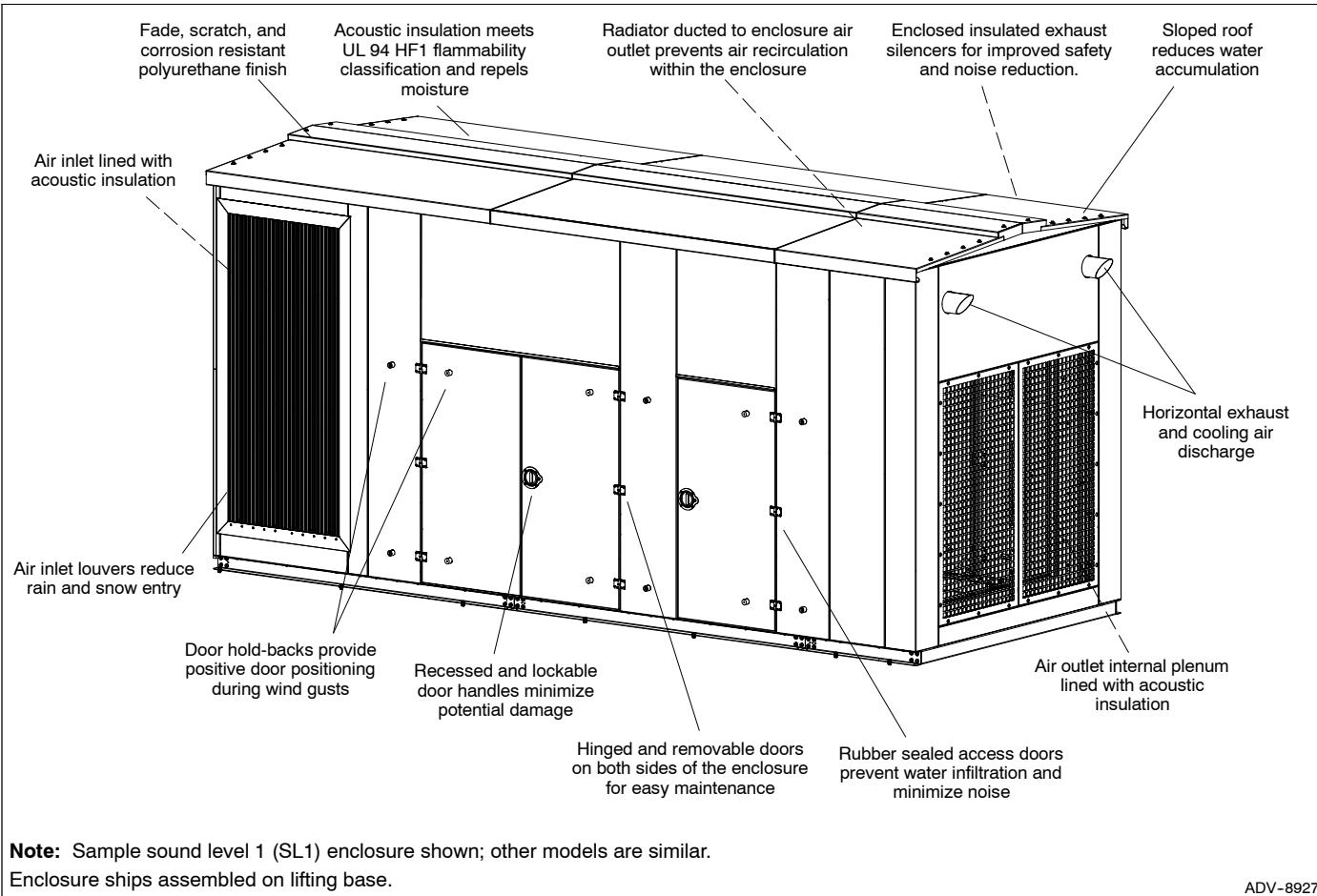
NOTE: Some models may have limited third-party approvals; see your local distributor for details.

Enclosure and Subbase Fuel Tank Combinations

Four enclosure configurations are available:

- Sound Enclosure Level 1
- Sound Enclosure Level 1, AQMD Ready
- Sound Enclosure Level 2
- Sound Enclosure Level 2, AQMD Ready

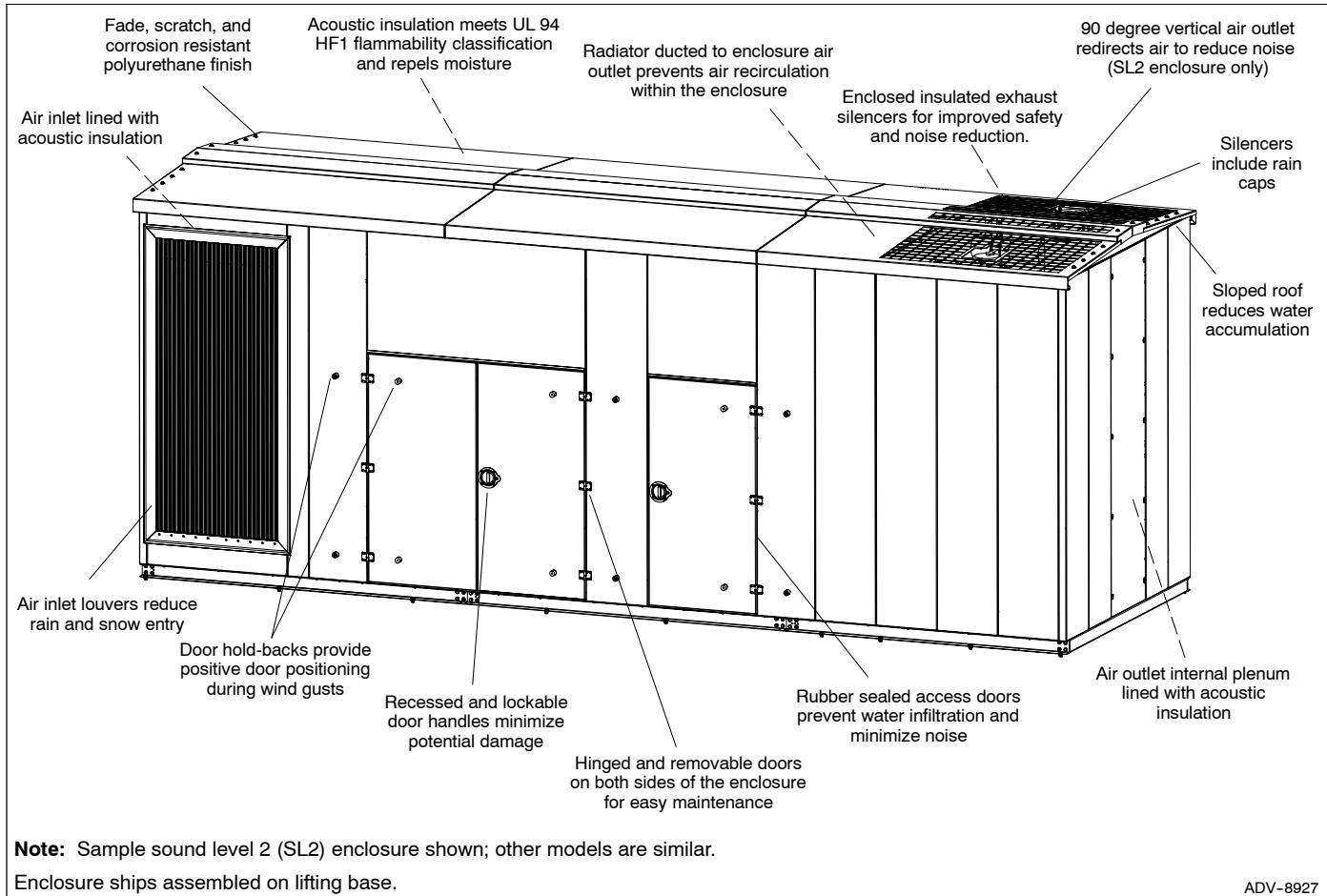
Aluminum Sound Enclosures



Level 1 Sound Enclosure Features

- Heavy-duty formed panels, solid construction. Preassembled package offering corrosion resistant, dent resilient structure mounting directly to lift base or fuel tank.
 - Polyurethane enamel paint. Superior finish, durability, and appearance.
 - The enclosure has a sloped roof to reduce the buildup of moisture and debris.
 - Internal exhaust silencers offering maximum component life and operator safety.
 - Cooling/combustion air intake. Fixed air intake louvers.
 - Sound-attenuating design using critical silencers. Acoustic insulation UL 94 HF1 listed for flame resistance.
 - Horizontal air discharge. Sound level 1 (SL1) enclosures use a horizontal design that directs exhaust and cooling air out the end of the enclosure.
- NOTE:** Installing an additional length of exhaust tail pipe may increase backpressure levels. Please refer to the generator set spec sheet for the maximum backpressure value.
- Service access. Multiple personnel doors for easy access to generator set control and servicing of the fuel fill, fuel gauge, oil fill, and battery.
 - Interchangeable modular panel construction. Allows complete serviceability or replacement without compromising enclosure design.
 - Bolted panels facilitate service, future modification upgrades, or field replacement.

Aluminum Sound Enclosures

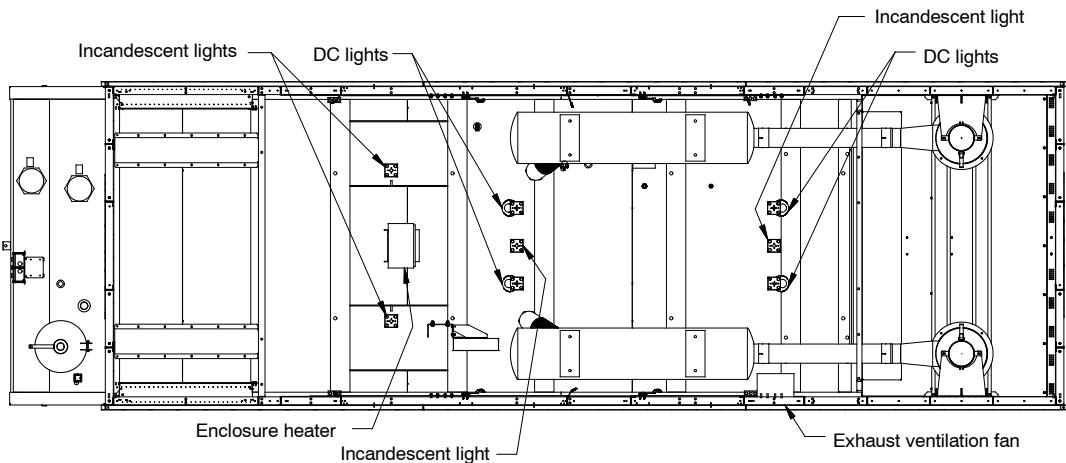


Level 2 Sound Enclosure Features

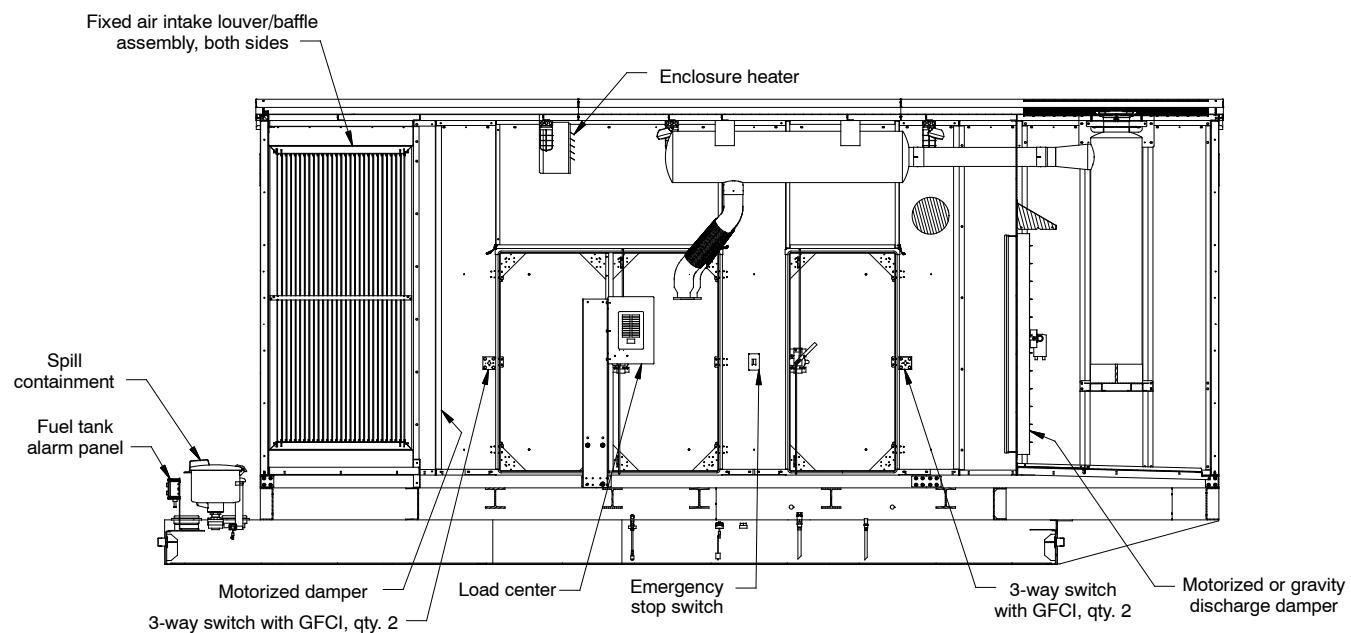
- Heavy-duty formed panels, solid construction. Preassembled package offering corrosion resistant, dent resilient structure mounting directly to lift base or fuel tank.
- Polyurethane enamel paint. Superior finish, durability, and appearance.
- The enclosure has a sloped roof to reduce the buildup of moisture and debris.
- Internal exhaust silencers offering maximum component life and operator safety.
- Service access. Multiple personnel doors on both sides for easy access to generator set control and servicing of the fuel fill, fuel gauge, oil fill, and battery.
- Interchangeable modular panel construction. Allows complete serviceability or replacement without compromising enclosure design.
- Bolted panels facilitate service, future modification upgrades, or field replacement.
- Cooling/combustion air intake. Fixed air intake louvers.
- Sound-attenuating design using additional secondary silencers and up to 51 mm (2 inches) of added acoustic insulation, UL 94 HF1 listed for flame resistance.
- Vertical air discharge. Sound level 2 (SL2) models use a vertical air discharge design that redirects exhaust and cooling air up and above the enclosure to reduce noise.

Aluminum Sound Enclosure Options

Top view of SL2 enclosure, shown with roof removed for illustration only:



Side view of SL2 enclosure, shown with side panels removed for illustration only:



Note: Sample sound level 2 (SL2) enclosure shown; other models are similar.

ADV-8919-5

Aluminum Sound Enclosure Options

Basic Electrical Package (BEP)

Distribution Panel/Load Center. Prewired AC power distribution of all factory-installed features including block heater, two GFCI-protected internal 120-volt service receptacles, internal lighting, and commercial grade wall switches. The single-phase or three-phase load center powered by building source power and protected by a main circuit breaker, rated for 100 or 125 amps with capacity and circuit positions for future expansion. AC power distribution installed in accordance with NEC and all wiring within EMT thin wall conduit. Incandescent AC lights located within UL-listed fixtures designed for wet locations.

- BEP, single-phase, 120/240 VAC, 60 Hz.
Includes 100 amp load center, two 3-way switches, four incandescent lights, and two GFCI receptacles.
- BEP, three-phase, 120/208, 60 Hz or 120/240VAC, 60 Hz.
Includes 125 amp load center, two 3-way switches, four incandescent lights, and two GFCI receptacles.

DC Light Package

DC Light Package (DLP). Prewired qty. 4, internal DC light package offering an economical alternative light source within the enclosure, as a complement to the BEP or a source of light when AC power is not available. Battery drain limited with fuse protection and controlled through a 0-60 minute, spring-wound, no-hold timer.

- Additional DC lights, qty. 4.

Electrical Accessories

Wiring Kits. Electrical wiring for accessories. BEP required.

- Alternator heater wiring (KD1250-2500 only)
- Block heater wiring, single-phase
- Block heater wiring, three-phase
- Battery charger wiring

Emergency Stop Switch

- Generator set emergency stop switch, qty. 1.

Enclosure Heater

Heater, 3.7/5 kW Ceiling Mounted. Electrical utility heater prewired to load center internal to enclosure. Rated at 17100 Btu. Includes adjustable louvers offering down flow and horizontal air tuning, built-in thermostat with automatic fan delay controls. BEP required.

- Heater kit for KD800-1000, single/three phase, 208/240 VAC, 60 Hz
- Heater kit for KD1250-2500, includes two heaters, single/three phase, 208/240 VAC, 60 Hz

Exhaust Fan

- Exhaust Ventilation Fan. Mounted inside the enclosure. BEP required.

Motorized Discharge Louvers. BEP required.

- Aluminum construction
- Insulated aluminum construction
- Galvanized construction

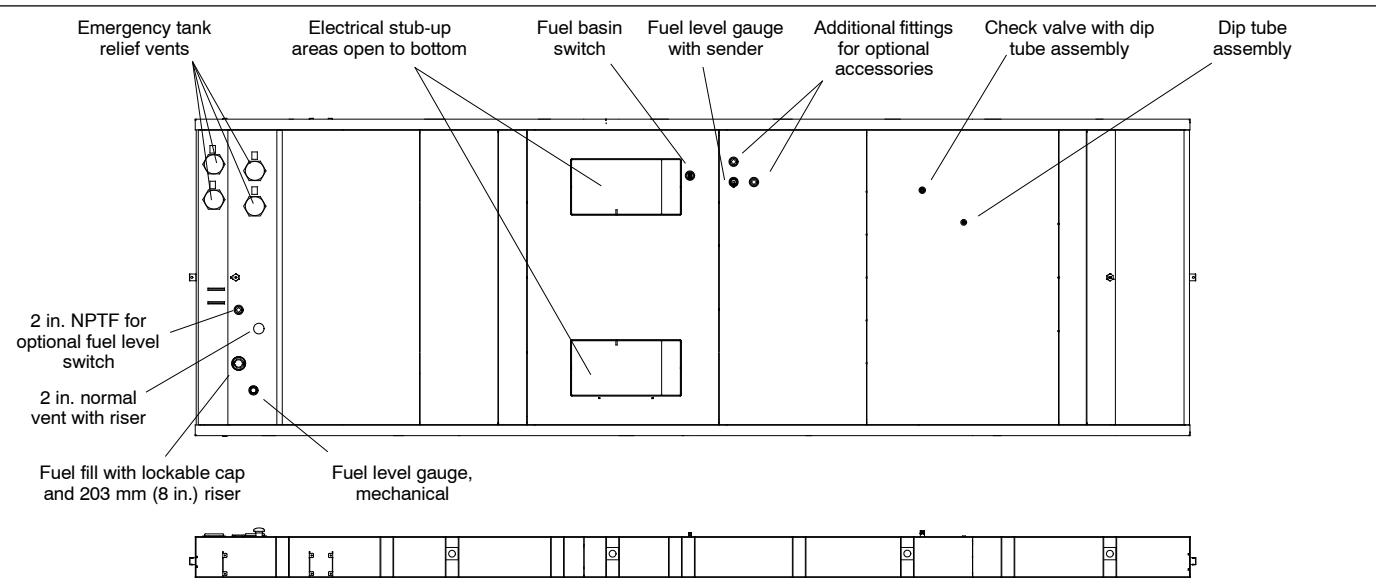
Gravity Discharge

- Aluminum construction

Motorized Inlet Louvers. BEP required.

- Aluminum construction
- Insulated aluminum construction
- Galvanized construction

Subbase Fuel Tank



Note: Sample model shown, other models are similar.

ADV-8927

Subbase Fuel Tank Standard Features

- Extended operation. State tanks with various capacities for multiple hour requirements.
- UL listed. Secondary containment generator set base tank meeting UL 142 requirements.
- NFPA compliant. Designed to comply with the installation standards of NFPA 30 and NFPA 37.
- Integral external lift lugs. Enables crane with spreader-bar lifting of the complete package (empty tank, mounted generator set, and enclosure) to ensure safety.
- Emergency pressure relief vents. Vents ensure adequate venting of inner and outer tank under extreme pressure and/or emergency conditions.
- Normal vent with cap. Vent is raised above lockable fuel fill.
- Fuel level gauge with sender.
- Mechanical fuel level gauge.
- Leak detection switch. Announces a contained primary tank fuel leak condition at generator set control.
- Electrical stub-up area open to bottom.
- Additional 2 in. NPT fittings for optional accessories.

Subbase Fuel Tank Options

Bottom Clearance/Coating

- I-beams, provide 102 mm (4 in.) of ground clearance

Emergency Vent Options

- 127 mm (5 in.), IBC
- 152.4 mm (6 in.), IBC KD800-1000 12 hr. tank only

Fuel in Basin Options

- Fuel in basin switch, Florida Dept. of Environmental Protection (FDEP) File No. EQ-682 approved
- 100% Engine fluid containment

Fuel Supply Options

- Fire safety valve (installed on fuel supply line)
- Ball valve (installed on fuel supply line)

Fuel Fill Options

- Fill pipe extension to within 152 mm (6 in.) of bottom of fuel tank
- 18.9 L (5 gallon) spill containment, Florida Dept. of Environmental Protection (FDEP) File No. EQ-345 approved
- 18.9 L (5 gallon) spill containment with 95% shutoff, Florida Dept. of Environmental Protection (FDEP) File No. EQ-345/EQ-257 approved
- 18.9 L (5 gallon) spill containment fill to within 152 mm (6 in.) of bottom of fuel tank
- 18.9 L (5 gallon) spill containment, OSHPD/IBC
- 18.9 L (5 gallon) spill containment with 95% shutoff, OSHPD/IBC
- 28.4 L (7.5 gallon) spill containment, Florida Dept. of Environmental Protection (FDEP) File No. EQ-345 approved
- 28.4 L (7.5 gallon) spill containment with 95% shutoff, Florida Dept. of Environmental Protection (FDEP) File No. EQ-345/EQ-257 approved

High Fuel Level Switch

- High fuel level switch, 24V
- High fuel level switch, 24V, Florida Dept. of Environmental Protection (FDEP) File No. EQ-682 approved
- Fuel tank panel, 3 alarm, 24 V
- Fuel tank panel, 3 alarm, 24 V, Florida Dept. of Environmental Protection (FDEP) File No. EQ-682 approved

Normal Vent Options

- 3.7 m (12 ft.) above grade (without spill containment)
- 3.7 m (12 ft.) above grade (with spill containment)

Stair, Freestanding (914 mm [36 inch] or taller tank only)

- Stair, freestanding
- Stair, freestanding with platform
- Stair, freestanding with catwalk

Tank Marking Options

- Decal, Combustible Liquids - Keep Fire Away (qty. 2)
- Decal, NFPA 704 identification (qty. 2)
- Decal, tank number and safe fuel fill height (qty. 2)

Enclosure and Subbase Fuel Tank Specifications

Fuel Tank Capacity, L (gal.)	Est. Fuel Supply Hours at 60 Hz with Full Load (nominal)	Max. Dimensions, mm (in.)			Max. Weight, † kg (lb.)	Fuel Tank Height, mm (in.)	Sound Pressure Level at 60 Hz with Full Load, dB(A) ‡
		Length	Width §	Height			

KD800 SL1 Sound Enclosure with Internal Silencer and State Code Subbase Fuel Tank *

Lifting Base	0	6582 (260)	2616 (103)	3350 (132)	10184 (22452)	—	90
3475 (918)	12	7309 (288)		3706 (146)	13772 (30362)	356 (14.0)	
6621 (1749)	24	7309 (288)		3934 (155)	14252 (31421)	584 (23.0)	
10573 (2793)	48	7309 (288)		4264 (168)	14831 (32698)	914 (36.0)	
15740 (4158)	72	9144 (360)		4366 (172)	16242 (35808)	1016 (40.0)	

KD800 SL2 Sound Enclosure with Internal Silencer and State Code Subbase Fuel Tank *

Lifting Base	0	8434 (332)	2616 (103)	3350 (132)	10587 (23340)	—	76
3475 (918)	12			3706 (146)	14175 (31250)	356 (14.0)	
6621 (1749)	24			3934 (155)	14655 (32309)	584 (23.0)	
10573 (2793)	48			4290 (169)	15234 (33586)	915 (36.0)	
15740 (4158)	72			4366 (172)	16645 (36696)	1016 (40.0)	

KD900 SL1 Sound Enclosure with Internal Silencer and State Code Subbase Fuel Tank *

Lifting Base	0	6582 (260)	2616 (103)	3350 (132)	10497 (23343)	—	91
3475 (918)	12	7309 (288)		3706 (146)	14085 (31253)	356 (14.0)	
6621 (1749)	24	7309 (288)		3934 (155)	14565 (32312)	584 (23.0)	
12969 (3426)	48	8400 (331)		4293 (169)	16348 (36243)	940 (37.0)	
19381 (5120)	72	11050 (435)		4369 (172)	17527 (38840)	1016 (40.0)	

KD900 SL2 Sound Enclosure with Internal Silencer and State Code Subbase Fuel Tank *

Lifting Base	0	8434 (332)	2616 (103)	3350 (132)	10900 (24231)	—	77
3475 (918)	12			3706 (146)	14488 (32141)	356 (14.0)	
6621 (1749)	24			3934 (155)	14968 (33200)	584 (23.0)	
12969 (3426)	48			4290 (169)	16751 (37131)	940 (37.0)	
19381 (5120)	72			4366 (172)	17930 (39728)	1016 (40.0)	

KD1000 SL1 Sound Enclosure with Internal Silencer and State Code Subbase Fuel Tank *

Lifting Base	0	7112 (280)	2616 (103)	3350 (132)	10810 (23833)	—	92
3475 (918)	12			3706 (146)	14398 (31743)	356 (14.0)	
6621 (1749)	24			3934 (155)	14878 (32802)	584 (23.0)	
12969 (3426)	48			4290 (169)	16661 (36733)	940 (37.0)	
19381 (5120)	72			4366 (172)	17840 (39330)	1016 (40.0)	

KD1000 SL2 Sound Enclosure with Internal Silencer and State Code Subbase Fuel Tank *

Lifting Base	0	8434 (332)	2616 (103)	3353 (132)	11213 (24721)	—	77
3475 (918)	12			3706 (146)	14801 (32631)	356 (14.0)	
6621 (1749)	24			3934 (155)	15281 (33690)	584 (23.0)	
12969 (3426)	48			4290 (169)	17064 (37621)	940 (37.0)	
19381 (5120)	72			4366 (172)	18243 (40218)	1016 (40.0)	

KD1250-1500 SL1 Sound Enclosure with Internal Silencers and State Code Subbase Fuel Tank *

Lifting Base	8831 (347)	3033 (119)	3579 (141)	17116 (37748)	—	93
5863 (1549)			3960 (156)	22326 (49234)	381 (15.0)	
9860 (2605)			4138 (163)	22808 (50296)	559 (22.0)	
11204 (2960)			4214 (166)	22973 (50661)	635 (25.0)	
19214 (5076)			4468 (176)	25277 (55741)	889 (35.0)	
21985 (5808)			4570 (180)	25684 (56637)	991 (39.0)	

KD1250-1500 SL2 Sound Enclosure with Internal Silencers and State Code Subbase Fuel Tank *

Lifting Base	11147 (439)	3033 (119)	3579 (141)	18031 (39764)	—	79
5863 (1549)			3960 (156)	23241 (51250)	381 (15.0)	
9860 (2605)			4138 (163)	23723 (52312)	559 (22.0)	
11204 (2960)			4214 (166)	23888 (52677)	635 (25.0)	
19214 (5076)			4468 (176)	26192 (57757)	889 (35.0)	
21985 (5808)			4570 (180)	26599 (58653)	991 (39.0)	

* Data in table is for reference only. Height includes enclosure, lift base, and tank (if equipped). Refer to your authorized Kohler distributor for enclosure and subbase fuel tank specification details.

† Max. weight includes the generator set (wet) with the largest alternator option, enclosure, silencers, lift base, and tank (no fuel).

‡ Log average sound pressure level of 8 measured positions around the perimeter of the unit at a distance of 7 m (23 ft.). Refer to TIB-114 for details. Enclosed generator set sound data for some models was not available at time of print.

§ An additional 892 mm (35 inches) of clearance on each side for opening and closing the access doors is recommended.

Enclosure and Subbase Fuel Tank Specifications, Continued

Fuel Tank Capacity, L (gal.)	Max. Dimensions, mm (in.)			Max. Weight, † kg (lb.)	Fuel Tank Height, mm (in.)	Sound Pressure Level at 60 Hz with Full Load, dB(A) ‡
	Length	Width §	Height			

KD1600 SL1 Sound Enclosure with Internal Silencers and State Code Subbase Fuel Tank *

Lifting Base	8831 (347)	3033 (119)	3579 (141)	17343 (38248)	—	94
5863 (1549)			3960 (156)	22553 (49734)	381 (15.0)	
9860 (2605)			4138 (163)	23035 (50796)	559 (22.0)	
11204 (2960)			4214 (166)	23200 (51161)	635 (25.0)	
19214 (5076)			4468 (176)	25504 (56241)	889 (35.0)	
21985 (5808)	11113 (438)		4570 (180)	25911 (57137)	991 (39.0)	

KD1600 SL2 Sound Enclosure with Internal Silencer and State Code Subbase Fuel Tank *

Lifting Base	11147 (439)	3033 (119)	3579 (141)	18258 (40264)	—	79
5863 (1549)			3960 (156)	23468 (51750)	381 (15.0)	
9860 (2605)			4138 (163)	23950 (52812)	559 (22.0)	
11204 (2960)			4214 (166)	24115 (53177)	635 (25.0)	
19214 (5076)			4468 (176)	26419 (58257)	889 (35.0)	
21985 (5808)			4570 (180)	26826 (59153)	991 (39.0)	

KD1750 SL1 Sound Enclosure with Internal Silencers and State Code Subbase Fuel Tank *

Lifting Base	8831 (347)	3033 (119)	3579 (141)	17343 (38248)	—	95
5863 (1549)			3960 (156)	22553 (49734)	381 (15.0)	
9860 (2605)			4138 (163)	23035 (50796)	559 (22.0)	
11204 (2960)			4214 (166)	23200 (51161)	635 (25.0)	
19214 (5076)			4468 (176)	25504 (56241)	889 (35.0)	
21985 (5808)	11113 (438)		4570 (180)	25911 (57137)	991 (39.0)	

KD1750 SL2 Sound Enclosure with Internal Silencer and State Code Subbase Fuel Tank *

Lifting Base	11147 (439)	3033 (119)	3579 (141)	18258 (40264)	—	79
5863 (1549)			3960 (156)	23468 (51750)	381 (15.0)	
9860 (2605)			4138 (163)	23950 (52812)	559 (22.0)	
11204 (2960)			4214 (166)	24115 (53177)	635 (25.0)	
19214 (5076)			4468 (176)	26419 (58257)	889 (35.0)	
21985 (5808)			4570 (180)	26826 (59153)	991 (39.0)	

KD2000-2500 SL1 Sound Enclosure with Internal Silencers and State Code Subbase Fuel Tank *

Lifting Base	10774 (424)	3488 (137)	4624 (182)	33961 (74872)	—	—
8577 (2266)			5005 (197)	41373 (91212)	381 (15)	
14130 (3733)			5183 (204)	42103 (92824)	559 (22)	
16383 (4328)			5259 (207)	42385 (93443)	635 (25)	

KD2000-2500 SL2 Sound Enclosure with Internal Silencer and State Code Subbase Fuel Tank *

Lifting Base	12766 (503)	3488 (137)	4624 (182)	36165 (79731)	—	78
8577 (2266)			5005 (197)	43577 (96071)	381 (15)	
14130 (3733)			5183 (204)	44307 (97683)	559 (22)	
16383 (4328)			5259 (207)	44589 (98302)	635 (25)	

* Data in table is for reference only. Height includes enclosure, lift base, and tank (if equipped). Refer to your authorized Kohler distributor for enclosure and subbase fuel tank specification details.

† Max. weight includes the generator set (wet) with the largest alternator option, enclosure, silencers, lift base, and tank (no fuel).

‡ Log average sound pressure level of 8 measured positions around the perimeter of the unit at a distance of 7 m (23 ft.). Refer to TIB-114 for details. Enclosed generator set sound data for some models was not available at time of print.

§ An additional 892 mm (35 inches) of clearance on each side for opening and closing the access doors is recommended.

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