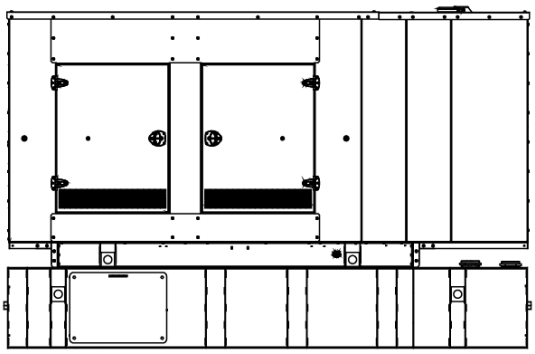
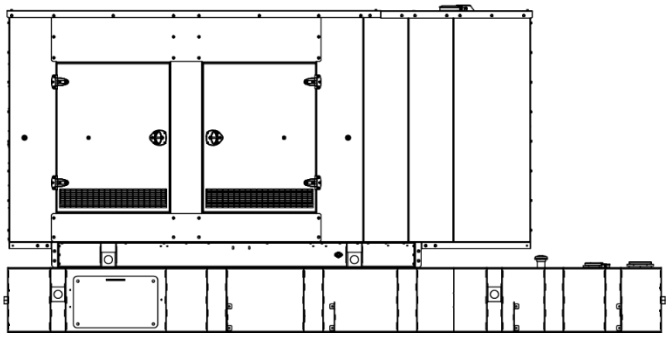
Industrial Generator Set Accessories

Weather/Sound Enclosure and Subbase Fuel Tank Package



Enclosure with Standard Subbase Fuel Tank



Enclosure with State Code Subbase Fuel Tank

Applicable to the following:
KD80-KD300

Weather Enclosure Standard Features

- Internal-mounted silencer and flexible exhaust connector.
- Skid-mounted, steel construction with hinged doors.
- Fade-, scratch-, and corrosion-resistant Power Armor™ automotive-grade textured finish.
- Enclosure has four access doors which allow for easy maintenance.
- Lockable, flush-mounted door latches.
- Vertical air outlet discharge to redirect air and reduce noise.
- Steel weather enclosure is analyzed to 150 mph (241kph) wind load rating.

Sound Enclosure Standard Features

- Includes all of the weather enclosure features with the addition of acoustic insulation material.
- Skid-mounted, steel or aluminum construction with hinged doors. Aluminum enclosures are recommended for high humidity and/or high salt/ coastal regions.
- Acoustic insulation that meets UL 94 HF1 flammability classification and repels moisture absorption.
- Sound attenuated enclosure that uses up to 51 mm (2 in.) of acoustic insulation, acoustic-lined air inlet duct, and acoustic-lined air discharge duct.
- Aluminum sound enclosure is certified to 200 mph (322 kph) wind load rating.
- Steel sound enclosure is analyzed to 150 mph (241 kph) wind load rating.

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 emergency relief vents.
- Flexible fuel lines are provided with subbase fuel tank selection.
- The secondary containment generator set base tank meets UL 142 tank requirements. The inner (primary) tank is sealed inside the outer (secondary) tank. The outer tank contains the fuel if the inner tank leaks or ruptures.
- State tanks with varying capacities are an available option. Florida Dept. of Environmental Protection (FDEP) File No. EQ-634 approved.

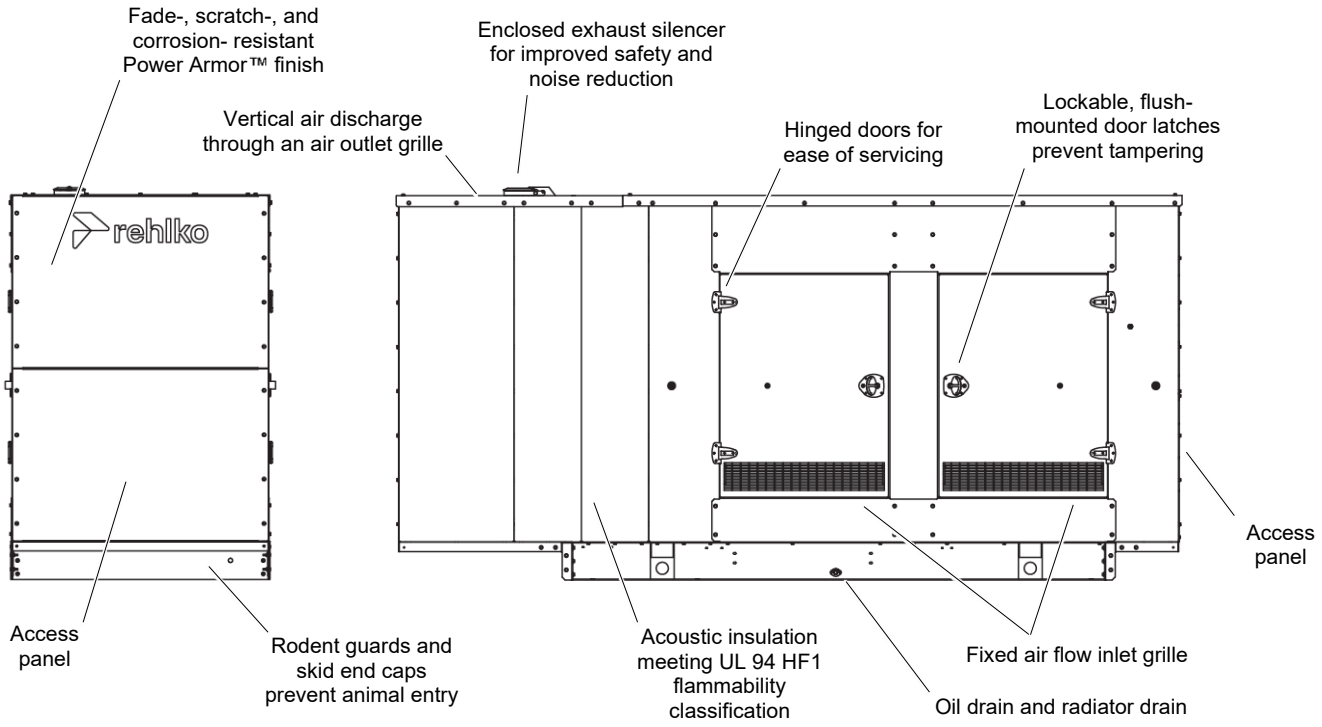
Available Approvals and Listings

- ❑ cULus (UL 2200 and CSA C22.2 No. 100)
- ❑ cUL Listing (fuel tanks only)
- ❑ UL142 Listing (fuel tanks only)
- ❑ IBC Seismic Certification*
- ❑ California OSHPD Pre-Approval*
- ❑ Hurricane Rated Enclosure - Available on sound aluminum models. (Impact rated for Large Missile Level E and Wind load rated per Florida Building Code tested to TAS201-94, TAS202-94 and TAS203-94 standards)

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

* Requires a state code subbase fuel tank selection.

Weather and Sound Enclosure



Note: KD300 model shown, other models are similar. Refer to the respective ADV drawings for details.

ADV-10132

Enclosure Features

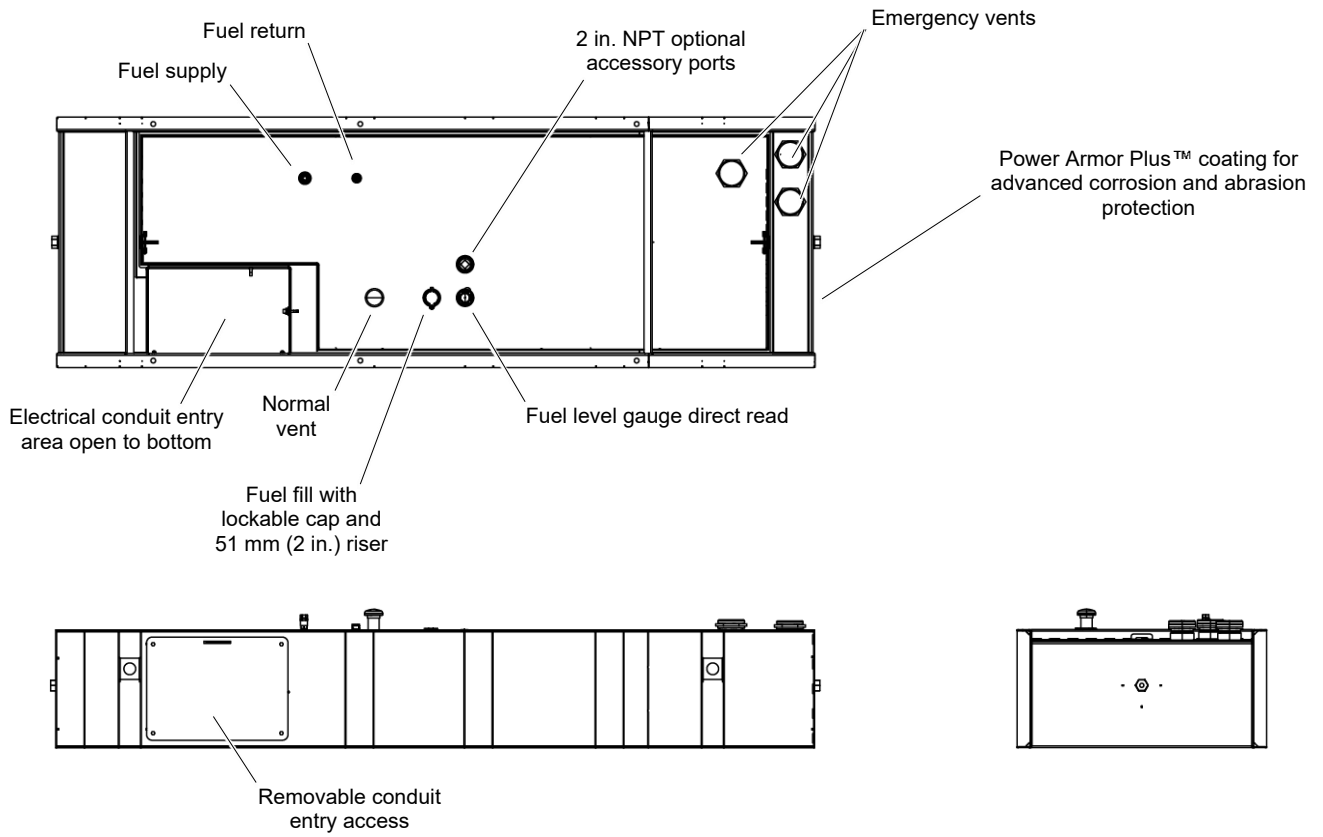
- Available in steel (14 gauge) formed panel, solid construction. Preassembled package offering corrosion resistant, dent resilient structure mounting directly to lift base.
- Power Armor™ automotive-grade finish resulting in advanced corrosion and abrasion protection as well as enhanced edge coverage and color retention.
- Internal exhaust silencer offering maximum component life and operator safety.

  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.
- Interchangeable modular panel construction. Allows complete serviceability or replacement without compromising enclosure design.
- Cooling/combustion air intake with a horizontal air inlet. Sized for maximum cooling airflow.
- Service access. Multi-personnel doors for easy access to generator set control and servicing of the fuel fill, fuel gauge, oil fill, and battery.
- Cooling air discharge. Weather protective design featuring a vertical air discharge outlet grille. Redirects cooling air up and above enclosure to reduce ambient noise.

Additional Sound Enclosure Features

- Available in steel (14 gauge) or aluminum formed panel, solid construction.
- Sound-attenuated design. Acoustic insulation UL 94 HF1 listed for flame resistance offering up to 51 mm (2 in.) mechanically restrained acoustic insulation.
- Cooling air discharge. The sound enclosures include acoustic insulation with urethane film.

Subbase Fuel Tank



Note: KD230-KD300 model shown, other models are similar. Refer to the respective ADV drawings for details.

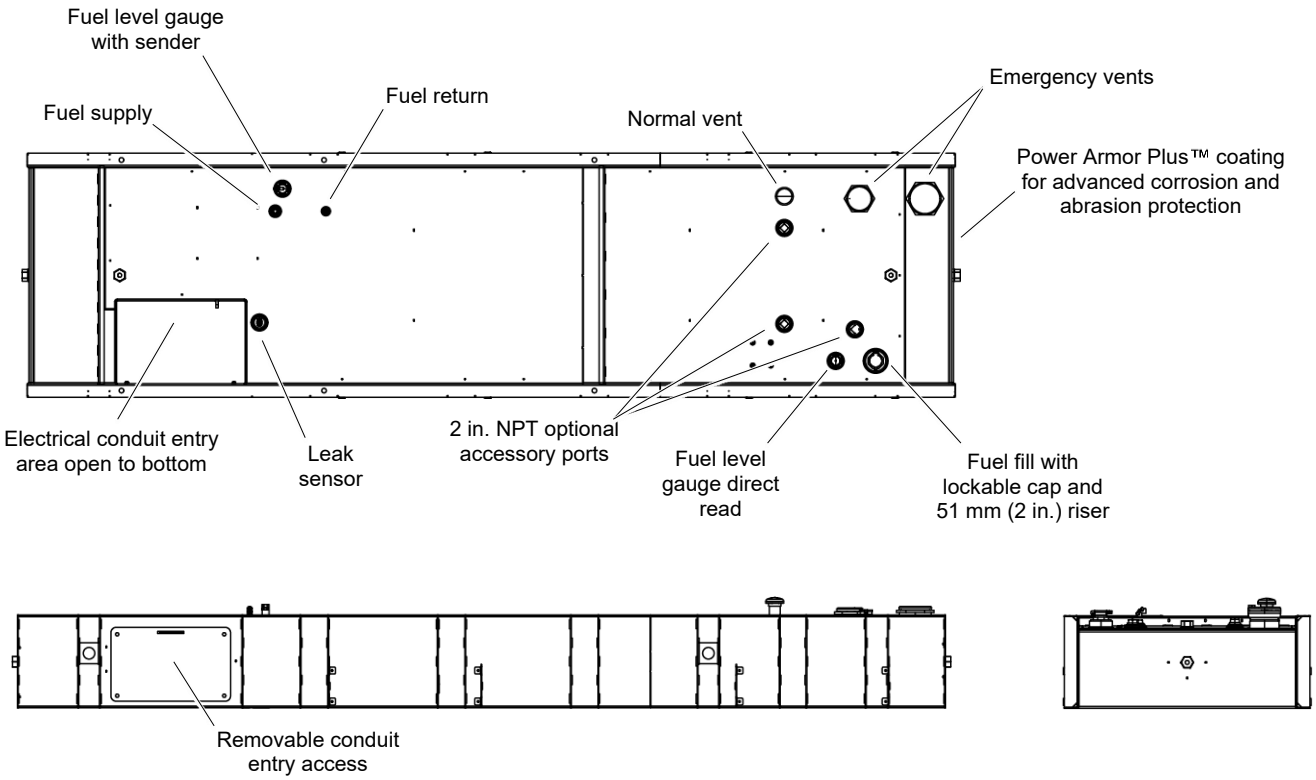
ADV-10068

Standard Subbase Fuel Tank Features

- Extended operation. Usable tank capacity offers full load standby operation of up to 24 and 48 hours.
- Power Armor Plus™ textured epoxy-based rubberized coating that creates an ultra-thick barrier between the tank and harsh environmental conditions like humidity, saltwater, and extreme temperatures, and provides advanced corrosion and abrasion protection.
- 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 the inner and outer tank under extreme pressure and/or emergency conditions.
- Normal vent with cap. Vent is raised above lockable fuel fill.
- Leak detection switch. Annunciates a contained primary tank fuel leak condition at generator set control.
- Electrical conduit entry.

  NOTE: For IBC Seismic Certification and/or California OSHPD Pre- Approval, see State Code Subbase Fuel Tank.

State Code Subbase Fuel Tank



Note: KD230-KD300 model shown, other models are similar. Refer to the respective ADV drawings for details. ADV-10068

State Code Subbase Fuel Tank Features

- State tank designed to comply with the installation standards of the Florida Dept. of Environmental Protection (FDEP) File No. EQ-634.
- Includes all of the standard subbase fuel tank features.

State Code Subbase Fuel Tank Options

Fuel in Basin Options

- ❑ Fuel in basin switch, Florida Dept. of Environmental Protection (FDEP) File No. EQ-682 approved

Fuel Fill Options

- ❑ Fill pipe extension to within 152 mm (6 in.) of bottom of fuel tank.
- ❑ 18.9 L (5 gallon) spill containment with 95% shutoff
- ❑ 18.9 L (5 gallon) spill containment
- ❑ 18.9 L (5 gallon) spill containment fill to within 152 mm (6 in.) of bottom of fuel tank
- ❑ 28.4 L (7.5 gallon) spill containment with 90% shutoff, Florida Dept. of Environmental Protection (FDEP) File No. EQ-882 approved
- ❑ 28.4 L (7.5 gallon) spill containment with 95% shutoff, Florida Dept. of Environmental Protection (FDEP) File No. EQ-882/EQ-883 approved

Fuel Supply Options

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

High Fuel Level Switch

- ❑ High fuel level switch
- ❑ High fuel level switch, Florida Dept. of Environmental Protection (FDEP) File No. EQ-682 approved
- ❑ Three alarm fuel tank panel (96-hour tanks)
- ❑ Three alarm fuel tank panel, Florida Dept. of Environmental Protection (FDEP) File No. EQ-682 approved (96-hour tanks)

Normal Vent Options

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

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)

Fluid Containment Options

- ❑ 100% engine fluid containment

Third-Party Approvals

- ❑ IBC Seismic Certification
- ❑ California OSPHD Pre-Approval

Enclosure and Subbase Fuel Tank Specifications

Fuel Tank Capacity, L (gal.)	Est. Fuel Supply Hours at 60 Hz with Full Load, Nominal◊/ Actual	Enclosure and Subbase Fuel Tank					Fuel Tank Height (or additional skid height with no tank), mm (in.)	Sound Pressure Level at 60 Hz with Full Load, Weather/ Sound, dB(A)‡
		Max. Dimensions, mm (in.)			Max. Weight, kg (lb.) *			
		Length	Width	Height	With Steel Enclosure	With Aluminum Enclosure		
KD80 Standard Fuel Tank								
No Tank	0	3211 (126.4)	1150 (45.3)	1683 (66.3)	1570 (3460)	1430 (3150)	200 (7.9)	81/69
795 (210)	34/28	3211 (126.4)	1150 (45.3)	2166 (85.3)	2455 (5410)	2315 (5105)	483 (19.0)	
1628 (430)	70/58	3211 (126.4)	1150 (45.3)	2572 (101.3)	2600 (5730)	2460 (5425)	889 (35.0)	
KD80 State Code Fuel Tank †								
No Tank	0	3211 (126.4)	1150 (45.3)	1683 (66.3)	1570 (3460)	1430 (3150)	200 (7.9)	81/69
833 (220)	36/30	4115 (162.0)	1150 (45.3)	2064 (81.3)	2400 (5290)	2260 (4980)	381 (15.0)	
1590 (420)	68/57	4013 (158.0)	1150 (45.3)	2343 (92.2)	2700 (5950)	2560 (5645)	660 (26.0)	
3217 (850)	138/115	4090 (161.0)	1650 (65.0)	2521 (99.3)	3685 (8125)	3545 (7815)	838 (33.0)	
KD100 Standard Fuel Tank								
No Tank	0	3211 (126.4)	1150 (45.3)	1683 (66.3)	1590 (3505)	1450 (3195)	200 (7.9)	81/69
795 (210)	28/24	3211 (126.4)	1150 (45.3)	2166 (85.3)	2475 (5455)	2335 (5150)	483 (19.0)	
1628 (430)	58/49	3211 (126.4)	1150 (45.3)	2572 (101.3)	2620 (5775)	2480 (5465)	889 (35.0)	
KD100 State Code Fuel Tank †								
No Tank	0	3211 (126.4)	1150 (45.3)	1683 (66.3)	1590 (3505)	1450 (3195)	200 (7.9)	81/69
833 (220)	30/25	4115 (162.0)	1150 (45.3)	2064 (81.3)	2420 (5335)	2280 (5025)	381 (15.0)	
1590 (420)	57/48	4013 (158.0)	1150 (45.3)	2343 (92.2)	2720 (5995)	2580 (5690)	660 (26.0)	
3217 (850)	115/98	4090 (161.0)	1650 (65.0)	2521 (99.3)	3705 (8170)	3565 (7860)	838 (33.0)	
KD130 Standard Fuel Tank								
No Tank	0	3211 (126.4)	1150 (45.3)	1683 (66.3)	1650 (3640)	1510 (3330)	200 (7.9)	81/69
795 (210)	24/21	3211 (126.4)	1150 (45.3)	2166 (85.3)	2535 (5590)	2395 (5280)	483 (19.0)	
1628 (430)	49/44	3211 (126.4)	1150 (45.3)	2572 (101.3)	2680 (5910)	2540 (5510)	889 (35.0)	
KD130 State Code Fuel Tank †								
No Tank	0	3211 (126.4)	1150 (45.3)	1683 (66.3)	1650 (3640)	1510 (3330)	200 (7.9)	81/69
833 (220)	25/22	4115 (162.0)	1150 (45.3)	2064 (81.3)	2480 (5465)	2340 (5160)	381 (15.0)	
1590 (420)	48/43	4013 (158.0)	1150 (45.3)	2343 (92.2)	2780 (6130)	2640 (5820)	660 (26.0)	
3217 (850)	96/87	4090 (161.0)	1650 (65.0)	2521 (99.3)	3765 (8300)	3625 (7990)	838 (33.0)	

Note: Data in table is for reference only, refer to the respective ADV drawings for details.

***** Max. weight includes the generator set (wet) using the largest alternator option, enclosure with acoustic insulation added, silencer, and tank (no fuel).

◊ Nominal fuel supply calculated at 80% load. See TIB-101 for the standby rating load factor definition.

† State code fuel tank specifications (height and weight) include I-beam option when applicable.

‡ 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.

Enclosure and Subbase Fuel Tank Specifications (continued)

Fuel Tank Capacity, L (gal.)	Est. Fuel Supply Hours at 60 Hz with Full Load, Nominal◊/ Actual	Enclosure and Subbase Fuel Tank					Fuel Tank Height (or additional skid height with no tank), mm (in.)	Sound Pressure Level at 60 Hz with Full Load, Weather/ Sound, dB(A)‡
		Max. Dimensions, mm (in.)			Max. Weight, kg (lb.) *			
		Length	Width	Height	With Steel Enclosure	With Aluminum Enclosure		
KD150 Standard Fuel Tank								
No Tank	0	3771 (148.5)	1350 (53.2)	2010 (79.2)	2180 (4805)	1970 (4345)	200 (7.9)	80/71
1150 (305)	32/28	3700 (145.7)	1350 (53.2)	2493 (98.2)	3160 (6965)	2950 (6505)	483 (19.0)	
2423 (640)	67/58	3700 (145.7)	1350 (53.2)	2899 (114.2)	3520 (7760)	3310 (7300)	889 (35.0)	
KD150 State Code Fuel Tank †								
No Tank	0	3771 (148.5)	1350 (53.2)	2010 (79.2)	2180 (4805)	1970 (4345)	200 (7.9)	80/71
1136 (300)	31/27	4674 (184.0)	1350 (53.2)	2391 (94.2)	3310 (7285)	3100 (6825)	381 (15.0)	
2271 (600)	63/54	4674 (184.0)	1350 (53.2)	2670 (105.2)	3580 (7890)	3370 (7430)	660 (26.0)	
4656 (1230)	129/111	6147 (242.0)	1350 (53.2)	2924 (115.2)	4340 (9555)	4130 (9095)	914 (36.0)	
KD180 Standard Fuel Tank								
No Tank	0	3771 (148.5)	1350 (53.2)	2010 (79.2)	2240 (4940)	2030 (4480)	200 (7.9)	81/71
1150 (305)	29/24	3700 (145.7)	1350 (53.2)	2493 (98.2)	3220 (7100)	3010 (6640)	483 (19.0)	
2423 (640)	60/51	3700 (145.7)	1350 (53.2)	2899 (114.2)	3580 (7895)	3370 (7435)	889 (35.0)	
KD180 State Code Fuel Tank †								
No Tank	0	3771 (148.5)	1350 (53.2)	2010 (79.2)	2240 (4940)	2030 (4480)	200 (7.9)	81/71
1136 (300)	28/24	4674 (184.0)	1350 (53.2)	2391 (94.2)	3370 (7420)	3160 (6960)	381 (15.0)	
2271 (600)	56/48	4674 (184.0)	1350 (53.2)	2670 (105.2)	3640 (7955)	3430 (7565)	660 (26.0)	
4656 (1230)	115/98	6147 (242.0)	1350 (53.2)	2924 (115.2)	4400 (9690)	4190 (9230)	914 (36.0)	
KD200 Standard Fuel Tank								
No Tank	0	3771 (148.5)	1350 (53.2)	2010 (79.2)	2180 (4805)	1970 (4345)	200 (7.9)	82/72
1150 (305)	27/22	3700 (145.7)	1350 (53.2)	2493 (98.2)	3160 (6965)	2950 (6505)	483 (19.0)	
2423 (640)	56/46	3700 (145.7)	1350 (53.2)	2899 (114.2)	3520 (7760)	3310 (7300)	889 (35.0)	
KD200 State Code Fuel Tank †								
No Tank	0	3771 (148.5)	1350 (53.2)	2010 (79.2)	2180 (4805)	1970 (4345)	200 (7.9)	82/72
1136 (300)	26/22	4674 (184.0)	1350 (53.2)	2391 (94.2)	3310 (7285)	3100 (6825)	381 (15.0)	
2271 (600)	52/43	4674 (184.0)	1350 (53.2)	2670 (105.2)	3580 (7890)	3370 (7430)	660 (26.0)	
4656 (1230)	107/89	6147 (242.0)	1350 (53.2)	2924 (115.2)	4340 (9555)	4130 (9095)	914 (36.0)	
KD230 Standard Fuel Tank								
No Tank	0	4121 (162.2)	1350 (53.2)	2056 (81.0)	2700 (5955)	2480 (5470)	200 (7.9)	87/75
1855 (490)	32/27	4100 (161.4)	1350 (53.2)	2691 (106.0)	3930 (8655)	3710 (8170)	635 (25.5)	
3634 (960)	62/53	5116 (201.4)	1350 (53.2)	2945 (116.0)	4500 (9925)	4280 (9440)	889 (35.0)	
KD230 State Code Fuel Tank †								
No Tank	0	4121 (162.2)	1350 (53.2)	2056 (81.0)	2700 (5955)	2480 (5470)	200 (7.9)	87/75
1855 (490)	32/27	5131 (202.0)	1350 (53.2)	3436 (101.0)	4080 (8995)	3860 (8510)	508 (20.0)	
3595 (950)	62/53	5131 (202.0)	1350 (53.2)	3876 (116.0)	4520 (9965)	4300 (9480)	889 (35.0)	
7305 (1930)	125/107	6985 (275.0)	1900 (74.8)	2894 (114.0)	6260 (13805)	6040 (13320)	838 (33.0)	

Note: Data in table is for reference only, refer to the respective ADV drawings for details.

***** Max. weight includes the generator set (wet) using the with largest alternator option, enclosure with acoustic insulation added, silencer, and tank (no fuel).

◊ Nominal fuel supply calculated at 80% load. See TIB-101 for the standby rating load factor definition.

† State code fuel tank specifications (height and weight) include I-beam option when applicable.

‡ 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.

Enclosure and Subbase Fuel Tank Specifications (continued)

Fuel Tank Capacity, L (gal.)	Est. Fuel Supply Hours at 60 Hz with Full Load, Nominal◊/ Actual	Enclosure and Subbase Fuel Tank					Fuel Tank Height (or additional skid height with no tank), mm (in.)	Sound Pressure Level at 60 Hz with Full Load, Weather/ Sound, dB(A)‡
		Max. Dimensions, mm (in.)			Max. Weight, kg (lb.) *			
		Length	Width	Height	With Steel Enclosure	With Aluminum Enclosure		
KD250 Standard Fuel Tank								
No Tank	0	4121 (162.2)	1350 (53.2)	2056 (81.0)	2820 (6220)	2600 (5735)	200 (7.9)	87/75
1855 (490)	30/26	4100 (161.4)	1350 (53.2)	2691 (106.0)	4050 (8920)	3830 (8435)	635 (25.5)	
3634 (960)	59/50	5116 (201.4)	1350 (53.2)	2945 (116.0)	4620 (8920)	4400 (9705)	889 (35.0)	
KD250 State Code Fuel Tank †								
No Tank	0	4121 (162.2)	1350 (53.2)	2056 (81.0)	2820 (6220)	2600 (5735)	200 (7.9)	87/75
1855 (490)	30/26	5131 (202.0)	1350 (53.2)	3436 (101.0)	4200 (9260)	3980 (8775)	508 (20.0)	
3595 (950)	58/50	5131 (202.0)	1350 (53.2)	3876 (116.0)	4640 (9260)	4420 (9745)	889 (35.0)	
7305 (1930)	118/101	6985 (275.0)	1900 (74.8)	2894 (114.0)	6380 (14070)	6160 (13585)	838 (33.0)	
KD275 Standard Fuel Tank								
No Tank	0	4121 (162.2)	1350 (53.2)	2056 (81.0)	2820 (6220)	2600 (5735)	200 (7.9)	87/75
1855 (490)	28/24	4100 (161.4)	1350 (53.2)	2691 (106.0)	4050 (8920)	3830 (8435)	635 (25.5)	
3634 (960)	55/47	5116 (201.4)	1350 (53.2)	2945 (116.0)	4620 (8920)	4400 (9705)	889 (35.0)	
KD275 State Code Fuel Tank †								
No Tank	0	4121 (162.2)	1350 (53.2)	2056 (81.0)	2820 (6220)	2600 (5735)	200 (7.9)	87/75
1855 (490)	28/24	5131 (202.0)	1350 (53.2)	3436 (101.0)	4200 (9260)	3980 (8775)	508 (20.0)	
3595 (950)	54/46	5131 (202.0)	1350 (53.2)	3876 (116.0)	4640 (9260)	4420 (9745)	889 (35.0)	
7305 (1930)	110/94	6985 (275.0)	1900 (74.8)	2894 (114.0)	6380 (14070)	6160 (13585)	838 (33.0)	
KD300 Standard Fuel Tank								
No Tank	0	4121 (162.2)	1350 (53.2)	2056 (81.0)	2820 (6220)	2600 (5735)	200 (7.9)	87/75
1855 (490)	26/22	4100 (161.4)	1350 (53.2)	2691 (106.0)	4050 (8920)	3830 (8435)	635 (25.5)	
3634 (960)	51/43	5116 (201.4)	1350 (53.2)	2945 (116.0)	4620 (8920)	4400 (9705)	889 (35.0)	
KD300 State Code Fuel Tank †								
No Tank	0	4121 (162.2)	1350 (53.2)	2056 (81.0)	2820 (6220)	2600 (5735)	200 (7.9)	87/75
1855 (490)	26/22	5131 (202.0)	1350 (53.2)	3436 (101.0)	4200 (9260)	3980 (8775)	508 (20.0)	
3595 (950)	51/43	5131 (202.0)	1350 (53.2)	3876 (116.0)	4640 (9260)	4420 (9745)	889 (35.0)	
7305 (1930)	103/87	6985 (275.0)	1900 (74.8)	2894 (114.0)	6380 (14070)	6160 (13585)	838 (33.0)	

Note: Data in table is for reference only, refer to the respective ADV drawings for details.

***** Max. weight includes the generator set (wet) using the with largest alternator option, enclosure with acoustic insulation added, silencer, and tank (no fuel).

◊ Nominal fuel supply calculated at 80% load. See TIB-101 for the standby rating load factor definition.

† State code fuel tank specifications (height and weight) include I-beam option when applicable.

‡ 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.