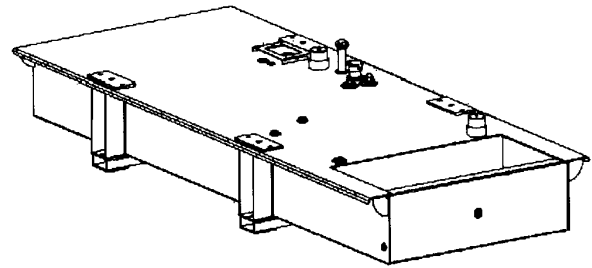


Single/Dual Wall Sub-Base & In-Skid Fuel Tanks

Use with DN/DK/DG Series
7.5-200 kW Generator Sets



Description

Cummins Power Generation diesel fuel tanks are rectangular steel tanks constructed of heavy gauge steel (8,10, and 12 gauge), and include a reinforced steel box channel for generator support. Full height gussets (sub-base only) are provided at generator set mounting holes. The design has been tested extensively under conditions far in excess of normal use to ensure that it can safely support the full weight of the generator set.

Dual wall sub-base tanks are designed with a sealed, separately vented, integral fuel containment basin.

All tanks are pressure washed with an iron phosphate solution and then finished with an acrylic primer and enamel paint. The interior is coated with a solvent-based rust preventative.

They are UL Listed as Secondary Containment Generator Base Tanks and meet the requirements of UL142. Inner and outer (dual wall only) tanks are pressurized at 4 psi and leak checked to ensure integrity of weld seams per UL142 standards prior to shipment.

These tanks hold an amount of fuel for a specified number of hours of operation such as 12 or 24 hours. Due to tank standardization, tanks may have an actual run time of more than what is specified. (i.e. Specified 12 hour tank may actually hold 21 hours of fuel, or 24 hour tank may actually hold 36 hours of fuel). Please refer to generator spec sheets for fuel consumption rates to calculate exact run-time of desired tank.

Features

- **UL142 Listed** - Secondary containment generator sub base tank meets UL requirements
- **Designed to meet requirements of NFPA** - NFPA 30, NFPA 37 and NFPA 110
- **Emergency pressure relief vent cap** – Meets or exceeds UL requirements -- insures adequate venting and pressure relief for inner and outer tank under extreme temperature and emergency conditions
- **Atmospheric vent cap** - Accommodates normal venting (oversized 3" vent is raised above the fuel fill)
- **Raised fuel fill** – Includes lockable flip top to prevent tampering and/or fuel contamination
- **Fuel level gauge** – Provides direct reading, top mounted
- **Modular tank design** – Genset support and mounting design accepts multiple Cummins Power Generation generator sets within designated genset groupings
- **Enclosure Compatible** - Accepts drop-over weather protective and sound attenuated enclosures
- **Tank to foundation ground clearance** - Allows for visual secondary containment leak detection.
- **Tank top mounting bracket** - Provides mounting for (optional) pump and control for day tank operation
- **Low Fuel level switch (Optional)** - Annunciates a 50% low fuel level condition at generator set control panel.
- **Leak detection/Rupture basin switch (Optional)** – Top mounted, annunciates a contained primary tank fuel leak at generator set control.
- **Fuel transfer control and pump kit (Optional)** – Enables field upgrade of standard tank to a day tank. (See Tank Control spec sheet for control specs).

Model/Kit Number/Fuel Consumption

Approximate Hours of Fuel Consumption at Full Load 60 Hz (50 Hz)

Models	2 wall Sub-base	2 wall Sub-base	1 wall In-skid	2 wall Sub-base	2 wall Sub-base	2 wall Sub-base	2 wall Sub-base	2 wall Sub-base	1 wall Sub-base	1 wall Sub-base	1 wall In-skid	2 wall Sub-base	1 wall In-skid	2 wall Sub-base	2 wall Sub-base
	145 Gal.	70 Gal.	28 Gal.	70 Gal.	140 Gal.	109 Gal.	173 Gal.	336 Gal.	125 Gal.	80 Gal.	13.8 Gal.	23 Gal.	44.3 Gal.	41 Gal.	82 Gal.
	415-0811	415-0831	415-0832	415-0833	415-0834	415-0840	415-0841	415-0842	415-0843	415-0844	415-0845	415-0846	415-0847	415-0848	541-0806
DGBB				24 (32)	48 (64)					28 (36)			15 (20)		
DGBC				21 (27)	41 (54)					24 (31)			13 (17)		
DGCA				17 (21)	33 (42)					19 (24)			11 (13)		
DGCB				15 (18)	30 (37)					17 (21)			9 (12)		
DGCC				NA (15)	(30)					NA (17)			NA (10)		
DGCG				11 (NA)	22 (NA)					13 (NA)					
DGDA						18 (22)	28 (35)	55 (69)	20 (26)						
DGDB						15 (17)	23 (27)	45 (53)	15 (20)						
DGDK						11 (14)	18 (23)	35 (44)	13 (16)						
DGEA						11 (13)	18 (22)	34 (41)	13 (15)						
DGFA						10 (11)	15 (17)	30 (33)	11 (12)						
DGFB						8 (10)	13 (16)	25 (31)	9 (11)						
DGFC						8 (9)	12 (14)	23 (26)	9 (10)						
DGGD				24 (30)	48 (61)					28 (35)					
DGHD				23 (28)	45 (56)					26 (32)					
DGHE				18 (23)	36 (45)					21 (26)					
DKAC	97 (132)	47 (64)	13 (18)												
DKAE	73 (97)	35 (47)	10 (13)												
DKAF	63 (76)	30 (37)	9 (11)												
DNAA											29 (36)	49 (61)		87 (108)	
DNAB											19 (24)	32 (40)		58 (72)	
DNAC											20 (25)	34 (41)		60 (73)	
DNAD											13 (15)	21 (24)		38 (44)	77 (87)
DNAE											10 (11)	16 (19)		29 (34)	57 (68)
DNAF											8 (10)	14 (16)		25 (29)	50 (58)

Tank Specs and Associated Kits

Tank Kit Part Number	Tank P/N	Outline Drawing	Dimensions Inches (mm)				Weight Lbs. (kg)	Pump/Control Kit (C149)		Rupture Basin Switch Kit (C169)		Low Fuel Level Switch Kit (C157)	
			Length	Width	Height	Stubup		P/N	Float Switch Length	Detector	PCC2100	Detector	PCC2100
0415-0811	0159-1413	0159-1413	56.45 (1434)	30.98 (787)	28.74 (730)	10.47 (266)	550 (250)	N/A	N/A	0300-4522	N/A	0300-4519	N/A
0415-0831	0159-1412	0500-3054	56.45 (1434)	30.98 (787)	14.09 (358)	10.47 (266)	504 (229)	N/A	N/A	0300-4521	N/A	0300-4520	N/A
0415-0832	0159-1400	*	52.16 (1325)	25.98 (660)	5.27 (134)	N/A	87 (39.5)	N/A	N/A	N/A	N/A	N/A	N/A
0415-0833	0159-1463	0500-3175	70.59 (1793)	40 (1016)	9.12 (231.7)	12.12 (308)	500 (227)	0415-0828-01	8"	0300-4925-01	0541-0890-01	0415-0835-01	0541-0891-01
0415-0834	0159-1464	0500-3175	70.59 (1793)	40 (1016)	17.04 (433)	12.12 (308)	650 (295)	0415-0828-02	15.75"	0300-4925-02	0541-0890-02	0415-0835-02	0541-0891-02
0415-0840	0159-1475	0500-3172	87.63 (2226)	40 (1016)	10.70 (272)	17.08 (434)	560 (254)	0415-0828-03	9.5"	0300-4925-03	0541-0890-03	0415-0835-03	0541-0891-03
0415-0841	0159-1474	0500-3172	87.63 (2226)	40 (1016)	16.14 (410)	17.08 (434)	868 (311)	0415-0828-04	14.75"	0300-4925-04	0541-0890-04	0415-0835-04	0541-0891-04
0415-0842	0159-1473	0500-3172	87.63 (2226)	40 (1016)	29.76 (756)	17.08 (434)	919 (417)	0415-0828-05	28"	0300-4925-05	0541-0890-05	0415-0835-05	0541-0891-05
0415-0843	0159-1475-01	0500-3237	87.63 (2226)	40 (1016)	10.70 (272)	17.08 (434)	624 (283)	0415-0828-03	9.5"	N/A	N/A	0415-0835-03	0541-0891-03
0415-0844	0159-1463-01	0500-3236	70.59 (1793)	40 (1016)	9.12 (231.7)	12.12 (308)	580 (263)	0415-0828-01	8"	N/A	N/A	0415-0835-01	0541-0891-01
0415-0845	0186-7108	N/A	5.25 (133.35)	23.50 (596.9)	35.50 (901.7)	N/A	871 (395)	N/A	N/A	N/A	N/A	N/A	N/A
0415-0846	0186-7174-01	0500-3286	58.30 (1480.82)	28 (711.2)	8 (203.2)	7.5 (190.5)	340 (154)	N/A	N/A	0308-0916-01	N/A	0308-0963-01	N/A
0415-0847	0159-1472	0159-1472	41.49 (1054)	34.29 (871)	9.05 (230)	N/A	120 (54)	N/A	N/A	N/A	N/A	N/A	N/A
0415-0848	0186-7174-02	0500-3286	58.30 (1480.82)	28 (711.2)	12 (304.8)	7.5 (190.5)	420 (191)	N/A	N/A	0308-0916-01	N/A	0308-0963-01	N/A
0541-0806	0186-7174-03	0500-3286	58.30 (1480.82)	28 (711.2)	24 (609.6)	7.5 (190.5)	410 (186)	N/A	N/A	0308-0916-01	N/A	0308-0963-01	N/A

* - DKAC = 0500-3090, DKAE = 0500-3050, DKAF = 0500-3047.

Certifications/Standards/Codes



UL 142 - Cummins Power Generation dual wall sub-base tanks are UL listed (File MH17470) and constructed in accordance with Underwriters Laboratories Standard UL 142 "Steel Aboveground Tanks for Flammable and Combustible Liquids", as a "Secondary Containment Generator Base Tank"



NFPA - Cummins Power Generation tanks are built in accordance with all applicable NFPA Codes:
NFPA 30 - Flammable and Combustible Liquids Code
NFPA 37 - Standard for Installation and use of Stationary Combustible Engine and Gas Turbines
NFPA 110 - Standard for Emergency and Standby Power Systems



ISO9001 - This product was designed and manufactured in facilities certified to ISO9001.

See your distributor for more information



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⚠WARNING *For Professional Use Only. Must be installed by a qualified service technician. Improper installation presents hazards of electrical shock and improper operation, resulting in severe personal injury and/or property damage.*

⚠WARNING *Back feed to a utility system can cause electrocution and/or property damage. Do not connect generator sets to any building electrical system except through an approved device or after building main switch is open.*

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