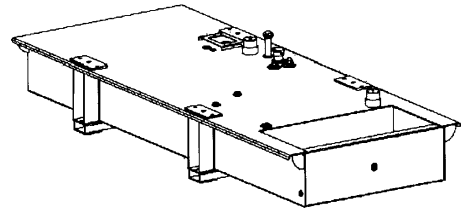


# Single/dual wall sub-base and in-skid fuel tanks 10-230 kW



## > Specification sheet

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### 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.

Tanks are UL Listed as secondary containment generator base tanks and meet the requirements of UL 142. Inner and outer (dual wall only) tanks are pressurized at 3 psi and leak checked to ensure integrity of weld seams per UL 142 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). Refer to generator spec sheets for fuel consumption rates to calculate exact run-time of desired tank.

Note that the attached tanks may be used in Florida because the code applies to tanks 550 gallons and above.

### Features

**UL 142/ULC-S601-7 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** - Generator set 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.

**Options** - Pump and controls, rupture basin switch, and low fuel level switch.

## Fuel consumption – approximate hours of runtime at ¾ load, 60 (50) Hz

Tank Kit	A029X191"	A029X194"	A029X197"	A028T954	415-0833	415-0834	415-0840	415-0841	415-0842
Usable/ nominal gallons	68/86 Gal.	87/110 Gal.	107/137 Gal.	308/ 344 Gal.	70/75 Gal.	140/145 Gal.	109/127 Gal.	173/194 Gal.	336/366 Gal.
	Dual Wall Sub-Base	Dual Wall Sub-Base	Dual Wall Sub-Base	Dual Wall Sub-Base	Dual Wall Sub-Base	Dual Wall Sub-Base	Dual Wall Sub-Base	Dual Wall Sub-Base	Dual Wall Sub-Base
DGBB					29 (39) #	58 (78) \$ *			
DGBC					27 (35) #	54 (70) \$ *			
DGCA					21 (28) #	42 (56) \$			
DGCB					19 (23) #	38 (47) \$			
DGCC					NA (20) #	NA (40) \$			
DGCG					15 (18) #	30 (35) \$			
DGDA							23 (29) #	36 (46) \$	70 (88)
DGDB							19 (23) #	30 (36) \$	58 (70)
DGDK							15 (19) #	23 (30)	45 (58) \$
DGEA							15 (18) #	23 (29)	45 (56) \$
DGFA							13 (14)	21 (23) #	40 (44) \$
DGFB							11 (13)	18 (21) #	35 (41) \$
DGFC							9 (10)	15 (15) #	28 (30) \$
DGFS							8 (NA)	13 (NA) #	26 (NA) \$
DGGD					33 (39) #	67 (46) \$ *			
DGHCA					NA	NA			
DGHCB					NA	NA			
DGHCC					NA	NA			
DGHD					29 (37) #	58 (42) \$ *			
DGHE					23 (30) #	47 (34) \$			
DSFAA					24 (NA) #	48 (NA) \$			
DSFAB					22 (NA) #	44 (NA) \$			
DSFAC					18 (NA) #	39 (NA) \$			
DSFAD					15 (NA) #	30 (NA) \$			
DSFAE					13 (NA) #	25 (NA) \$			
DSGAA				46 (NA)					
DSGAB				39 (NA)					
DSGAC				34 (NA)					
DSHAA							10 (NA)	16 (NA) #	32 (NA) \$
DSHAB							9 (NA)	14 (NA) #	28 (NA) \$
DSHAC							8 (NA)	13 (NA) #	25 (NA) \$
DSHAD							7 (NA)	12 (NA) #	23 (NA) \$
DSHAE							12 (NA)	19 (NA) #	37 (NA) \$
DSHAF							20 (NA)	31 (NA) #	61 (NA) \$
DSKAA	96 (121) %	123 (155) %	151 (193) %						
DSKAB	66 (83) %	84 (107) %	104 (133) %						
DSKBA	47 (59) %	60 (76) %	74 (94) %						
DSKCA	37 (47) %	48 (60) %	59 (75) %						

# = C167-2 (12 hr) and = C182-2 (48 hr) option

\$ = C168-2 (24 hr) and = C259-2 (24 hr) option

% = C266-2 (24 hr) option

\* = 50 Hz version of this model ships the 70 gallon tank as the C168-2 (24 hr) option

“ = Not available as accessory kit. Must purchase through MDC.

## Tank Specs

Tank Kit Part Number	Tank Part Number	Outline Drawing Number	Dimensions			Weight lbs (kg)	Rupture Basin Capacity (gal)
			Length in (mm)	Width in (mm)	Height in (mm)		
A028T954	A029D438	0500-4571	66.93 (1700)	30.98 (787)	16.23 (412)	1280 (581)	4
NA	A029X191	0500-4951	66.93 (1700)	30.98 (787)	18.68 (475)	635	14
NA	A029X194	0500-4952	84.37 (2143)	30.98 (787)	18.68 (475)	744	21
NA	A029X197	0500-4953	101.81 (2586)	30.98 (787)	18.68 (475)	906	24
0415-0833	A030G784	0500-3175	70.59 (1793)	40.00 (1016)	9.12 (232)	500 (227)	12
0415-0834	A030G802	0500-3175	70.59 (1793)	40.00 (1016)	17.04 (433)	650 (295)	20
0415-0840	A030G898	0500-3172	87.63 (2226)	40.00 (1016)	10.70 (272)	560 (254)	12
0415-0841	A030G891	0500-3172	87.63 (2226)	40.00 (1016)	16.14 (410)	868 (311)	16
0415-0842	A030G886	0500-3172	87.63 (2226)	40.00 (1016)	29.76 (756)	919 (417)	54

## Fuel System Kits (for Models DG's DSF's DSH's)

(C149) Fuel Transfer Control/Pump Kit – enables a field upgrade from standard tank to day tank (see tank control spec sheet).

(C157) Low Fuel Level Switch – annunciates a low fuel level condition (approximately 22.5%) at the generator set control panel.

(C169) Leak Detection/Rupture Basin Switch – top mounted; annunciates a contained primary tank fuel leak at the generator set control panel.

Tank Kit Part Number	Pump/Control Kit (C149)		Low Fuel Level Switch Kit		Rupture Basin Switch Kit	
	Part Number	Float Switch Length	Feature Code C157, H573, or H645	Feature Code C169, H574, or H697		
0179-4968-05	0179-5003-02	26.85"	0539-1287-17	Standard		
0415-0833	0415-0828-01	8"	0541-0891-01	0541-0890-01		
0415-0834	0415-0828-02	15.75"	0541-0891-02	0541-0890-02		
0415-0840	0415-0828-03	9.5"	0541-0891-03	0541-0890-03		
0415-0841	0415-0828-04	14.75"	0541-0891-04	0541-0890-04		
0415-0842	0415-0828-05	28"	0541-0891-05	0541-0890-05		

## Fuel System Kits (for Models DSKAA, DSKAB, DSKBA, DSKCA)

Kit Number	Description
0541-1464	Overfill protection valve kit
0541-1637	Spill fill box kit, 5gal
0541-1638	Normal vent extension kit
0541-1639	Emergency vent extension kit
0541-1640	High fuel level switch kit
Standard	Low fuel level switch kit
Standard	Rupture basin switch kit

## Fuel System Kits (for Models DSGAA, DSGAB, DSGAC)

Kit Number	Description
0541-1462	External spill fill box kit, 5gal-w/ofpv
0541-1463	External fill panel kit w/alarm
0541-1464	Overfill protection valve kit
0541-1465	Camlock fuel filler connector kit
0541-1466	Spill fill box kit, 5gal
0541-1467	Normal vent extension kit
0541-1468	Emergency vent extension kit
0541-1507	High fuel level switch kit
0541-1508	Low fuel level switch kit
0179-5003-02	Pump and control kit
0539-1287-17	Low fuel level switch kit
Standard	Rupture basin switch kit

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## Certifications/standards/codes



**UL 142 Listed** - 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.

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**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.

**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.