

Enclosures and tanks

230-500 kW



> Specification sheet

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**Power
Generation**

Enclosure features

- 14-gauge steel construction (panels)
- 12-gauge steel construction (posts)
- Stainless steel hardware
- Double E-coat green paint
- Package Listed to UL 2200
- Designed to satisfy all requirements of National Electrical Code installations
- Fuel and electrical stub-up area within enclosure perimeter
- Fixed louvers
- Cambered roof prevents water accumulation
- Three recessed, lockable doors per side
- Retainers hold doors open for easy access
- Enclosed exhaust silencer ensures safety and protects against rust
- Rain collar and rain cap
- Exterior oil and coolant drains with interior valves for ease of service
- Rodent barriers on inlet and outlet
- Non-hydroscopic sound attenuating material
- Side mounted controls and circuit breakers
- Easy access lifting points for spreader bars
- Dual vibration isolation system
- Enclosure mounts to fuel tank or lifting base
- Factory pre-assembled package
- Enclosures are designed for outdoor use only

Options

- Three levels of sound attenuation
- Motorized louvers
- Enclosed motorized louvers to protect from ice and snow accumulation (available on air inlet for all models and on air outlet on Level II enclosures only)
- Externally mounted emergency stop button for operator safety
- Horizontal air discharge (Level II only)
- Aluminum construction
- Wind rated to 150 mph (standard on aluminum enclosures, optional on steel)
- Neutral sandstone paint color
- Factory mounted battery charger
- External 120 VAC service outlet
- Rain hoods for air inlet
- Lifting base in lieu of a sub-base tank
- Pre-wired AC distribution package
 - 100 amp, 120/240 volt, single phase load center
 - Spare breaker positions and capacity for future upgrades
 - GFCI protected internal 120 volt AC service receptacle
 - GFCI protected weather proof external 120 volt service receptacle
 - All factory installed AC powered features pre-wired into load center

Fuel tank features

- UL 142 Listed
- NFPA 37 compliant
- Double walled, steel construction
- Emergency tank and basin vents
- Tank mounted mechanical fuel gauge
- Fuel supply and return tubes
- Top mounted leak detection float switch
- Low and high level fuel switches
- Mounting brackets for optional pump and control
- Integral lifting points
- Basin drain

Options

- Pre-wired fuel pump and control
- Fuel overfill alarm
- Overflow and tank fill plugs
- Five gallon spill fill box
- Fill pipe extender
- Local code approvals available

Dual wall sub-base tanks - Usable operating hours*

Genset model	Gal/hour at full load	300 Gal tank	400 Gal tank	500 Gal tank	600 Gal tank	660 Gal tank	720 Gal tank	850 Gal tank	1470 Gal tank	1700 Gal tank
230 DFAB	15.6	19	26	32	38	42	46	--	94	--
250 DFAC	16.8	18	24	30	36	39	43	--	88	--
250 DQAD	17.3	17	23	29	35	38	42	--	85	--
275 DQAE	19.4	15	21	26	31	34	37	--	76	--
300 DQAF	21.4	14	19	23	28	31	34	--	69	--
275 DFBF	20.4	15	20	25	29	32	35	--	72	--
300 DFCB	22.5	13	18	22	27	29	32	--	65	--
350 DFCC	24.4	12	16	20	25	27	30	--	60	--
400 DFCE	29.1	10	14	17	21	23	25	--	51	--
350 DFEG	24.6	12	16	20	24	27	--	35	--	69
400 DFEH	27.1	11	15	18	22	24	--	31	--	63
450 DFEJ	30.0	10	13	17	20	22	--	28	--	57
500 DFEK	34.8	9	11	14	17	19	--	24	--	49

* Operating hours are measured at 60 Hz, standby rating. When filled to comply with NFPA 30 90% fill alarm, operating capacity is reduced by 10%.

Enclosure package sound pressure levels @ 7 meters dB(A)

Genset model	Weather protective enclosure	Quiet Site® Level I sound attenuated enclosure	Quiet Site® Level II sound attenuated enclosure
230 DFAB	86	83	72
250 DFAC	86	82	72
250 DQAD	85	82	71
275 DQAE	85	83	72
300 DQAF	86	85	73
275 DFBF	86	83	70
300 DFCB	86	84	71
350 DFCC	87	85	72
400 DFCE	89	85	73
350 DFEG	85	83	72
400 DFEH	89	85	72
450 DFEJ	87	84	74
500 DFEK	88	85	73

- All data is 60 Hz, full load standby rating, steel enclosures only.
- Data is a measured average of 8 positions.

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Accessories

Feature	Part number	Description	Inst sheet
B183-2	0179-3341-01	Battery charger mounting kit	C654
C212-2	0179-3372-22	Fuel transfer pump/control kit-120 VAC - 2 Gal/min 300 Gal tank	G609
C212-2	0179-3372-23	Fuel transfer pump/control kit-120 VAC - 2 Gal/min 400 Gal tank	G609
C212-2	0179-3372-24	Fuel transfer pump/control kit-120 VAC - 2 Gal/min 500 Gal tank	G609
C212-2	0179-3372-25	Fuel transfer pump/control kit-120 VAC - 2 Gal/min 600 Gal tank	G609
C212-2	0179-3372-26	Fuel transfer pump/control kit-120 VAC - 2 Gal/min 660 Gal tank	G609
C212-2	0179-3372-27	Fuel transfer pump/control kit-120 VAC - 2 Gal/min 720 Gal tank	G609
C212-2	0179-3372-28	Fuel transfer pump/control kit-120 VAC - 2 Gal/min 850 Gal tank	G609
C213-2	0179-3372-32	Fuel transfer pump/control kit-120 VAC - 4 Gal/min 300 Gal tank	G609
C213-2	0179-3372-33	Fuel transfer pump/control kit-120 VAC - 4 Gal/min 400 Gal tank	G609
C213-2	0179-3372-34	Fuel transfer pump/control kit-120 VAC - 4 Gal/min 500 Gal tank	G609
C213-2	0179-3372-35	Fuel transfer pump/control kit-120 VAC - 4 Gal/min 600 Gal tank	G609
C213-2	0179-3372-36	Fuel transfer pump/control kit-120 VAC - 4 Gal/min 660 Gal tank	G609
C213-2	0179-3372-37	Fuel transfer pump/control kit-120 VAC - 4 Gal/min 720 Gal tank	G609
C213-2	0179-3372-38	Fuel transfer pump/control kit-120 VAC - 4 Gal/min 850 Gal tank	G609
C214-2	0179-3372-42	Fuel transfer pump/control kit-120 VAC - 7 Gal/min 1470 & 1700 Gal tank	G609
C231-2	0541-1066-03	Alarm kit-used w/spill fill box w/OFPV	C659
C232-2	0541-1066-04	Alarm kit-used w/spill fill box w/o OFPV	C659
C233-2	0541-1060-03	Spill fill box kit-5 Gal w/OFPV - DFAB/C, DQAD/E/F, DFBF, DFCB/C/E	G626
C233-2	0541-1061-03	Spill fill box kit-5 Gal w/OFPV - DFEG/H/J/K	G626
C233-2	0541-1105-03	Spill fill box kit-5 Gal w/OFPV - DFEB/C/D	G626
C234-2	0541-1060-04	Spill fill box kit-5 Gal w/o OFPV - DFAB/C, DQAD/E/F, DFBF, DFCB/C/E	G626
C234-2	0541-1061-04	Spill fill box kit-5 Gal w/o OFPV - DFEG/H/J/K	G626
C234-2	0541-1105-04	Spill fill box kit-5 Gal w/o OFPV - DFEB/C/D	G626
C235-2	0541-1054-01	Fuel tank vent kit-4" NPT - 300 & 400 Gal fuel tanks	G622
C243-2	0541-1054-02	Fuel tank vent kit-5" NPT - 500 thru 850 Gal fuel tanks	G622
NA	0541-1054-03	Fuel tank vent kit-6" NPT	G622
K102-2	0179-3441-03	Outlet receptacle kit	C653
KP74-2	0179-3342-03	Emergency stop button kit	C652

Note: These accessories were designed to be used with the Thor enclosure/tank packages (F200, F201, F202, F203, F204, F205, C201, C202, C203, C204, C205, C206, C207, C208, & C209). They were not intended to be used with the F183, F184 enclosures nor the 0159-1486 series sub-base tanks.

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Package dimensions of enclosure, exhaust system, and UL tank

Tank size (Gal)	Length (in)	Length (in) Level II package	Width (in)	Height (in)	Weight (lbs) weather protective enclosure package	Weight (lbs) Quiet Site Level I sound attenuated enclosure package	Weight (lbs) Quiet Site Level II sound attenuated enclosure package
Lifting base	188	222	82	100	4110	4535	5453
300	188	222	82	104	5235	5660	6578
400	188	222	82	106	5420	5845	6763
500	188	222	82	108	5522	5947	6865
600	188	222	82	111	5676	6101	7019
660	188	222	82	113	5753	6178	7096
720	188	222	82	114	5885	6310	7228
850	188	222	82	118	6065	6490	7408
1470	200	200	82	128	6891	7316	8234
1700	234	234	82	128	7466	7891	8809

Weight does not include the generator set. Consult your local Cummins Power Generation distributor or the appropriate generator specification sheet.

Width is 86 inches lifting eye to lifting eye.



Listed to UL 142, UL 2200.



NFPA 30, NFPA 37.

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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.

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