



GeneratorJoe



Enclosures and Tanks

250-1000 kW Gensets

4016 Quartz Drive
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Enclosures

Standard Features

- 14-gauge steel construction panels
- Stainless steel hardware enclosure
- Double E-coat green paint
- Package listed to UL 2200
- Designed to satisfy National Electrical Code installation requirements
- Fuel and electrical stub-up area within enclosure perimeter
- Fixed louvers
- Cambered roof prevents water accumulation
- Recessed, lockable doors in two sides
- Retainers hold doors open for easy access
- Enclosed exhaust silencer ensures safety and protects against rust
- Rain cap
- Exterior oil and coolant drains with interior valves for ease of service
- Rodent barriers on inlet
- Non-hydroscopic sound attenuating material
- Side mounted controls and circuit breakers
- Easy access lifting points for spreader bars
- Dual vibration isolation system (250-500 kW)
- Spring vibration isolation system (600-1000 kW)
- Enclosure mounts to lifting base or fuel tank (250-500 kW)
- Enclosure mounts to lifting base (600-1000 kW)
- Factory pre-assembled package
- Designed for outdoor use only
- Externally mounted emergency stop button for operator safety (optional on 250-500 kW)
- Horizontal air discharge to prevent leaf and snow accumulation (600-1000 kW)

Options

- Three levels of sound attenuation
- Motorized louvers to protect from ice and snow accumulation (available on air inlet for all models and on air outlet on Level II, 250-500kW enclosures only)
- Horizontal air discharge (Level 2 only)
- Aluminum construction
- Wind rated to 150mph (aluminum enclosures)
- Neutral sandstone paint color (aluminum only)
- Factory mounted battery charger
- External 120 volt AC service outlet
- Rain hoods for air inlet (250-500 kW)
- Lifting Base in lieu of a sub-base tank (250-500 kW)
- Pre-wired AC distribution package
 - 100 amp (250-500 kW) or 150 amp (600-1000 kW) main circuit breaker; connected to 120 VAC Line-Neutral and 208 or 240 VAC Line-Line, Spare breaker positions and capacity for future upgrades (600-1000 kW)
 - 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
- Interior Lights – 120 volt (600-1000 kW)
- Rain hoods for air inlet (250-500 kW)
- Seismic Isolators available (600-1000 kW)



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Fuel Tanks

Standard Sub-Base Tank Features:

- UL142 Listed
- NFPA37 compliant
- Dual walled, steel construction
- Emergency tank and rupture 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 (250-500 kW)
- Integral lifting points
- Basin drain

Sub-Base Tank Options:

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

250-500 kW Dual Wall Sub-Base Tanks – Usable Operating Hours

Genset Model	Gallons/hour at full load	300 gallon tank	400 gallon tank	500 gallon tank	600 gallon tank	660 gallon tank	720 gallon tank	850 gallon tank	1470 gallon tank	1700 gallon tank
250 DQDAA	19.4	15	21	26	31	34	37	--	76	--
275 DQDAB	19.8	15	20	25	30	33	36	--	74	--
275 DQHAA	21.81	13	18	23	27	30	--	39	--	78
300 DFCE	22.5	13	18	22	27	29	32	--	65	--
300 DQDAC	21.8	14	18	23	28	30	33	--	67	--
300 DQHAB	23.15	13	17	21	26	28	--	36	--	73
350 DFCC	24.4	12	16	20	25	27	30	--	60	--
350 DFEG	24.6	12	16	20	24	27	--	35	--	69
400 DFCE	29.1	10	14	17	21	23	25	--	51	--
400 DFEH	27.1	11	15	18	22	24	--	31	--	63
450 DFEC	31	10	13	16	19	21	--	27	--	55
450 DFEJ	30.0	10	13	17	20	22	--	28	--	57
500 DFED	34	9	12	15	18	19	--	25	--	50
500 DFEK	34.8	9	11	14	17	19	--	24	--	49

600-1000 kW Dual Wall Sub-Base Tanks – Usable Operating Hours

Genset Model (60 Hz)	Gallons/hour at full load.	200 gallon tank	660 gallon tank	1000 gallon tank	1500 gallon tank	2000 gallon tank	2400 gallon tank	3000* gallon tank
600 DFGB	44.2	5	15	23	34	45	54	68
600 DQCA	41.8	5	16	24	36	48	57	72
750 DFGE	58.5	3	11	17	26	34	41	51
750 DFHA	54.7	4	12	18	27	37	44	55
750 DQCB	51.9	4	13	19	29	39	46	58
750 DQFAA	52.7	4	13	19	28	38	46	57
800 DFHB	57.8	3	11	17	26	35	42	52
800 DQCC	56.1	4	12	18	27	36	43	53
800 DQFAB	56.4	4	12	18	27	35	43	53
900 DFHC	60.2	3	11	17	25	33	40	50
900 DQFAC	63.9	3	10	16	23	31	38	47
1000 DFHD	69.3	3	10	14	22	29	35	43
1000 DQFAD	72.2	3	9	14	21	28	33	42

*3000 gallon tank offered as an accessory kit

- Operating hours are measured at 60Hz, standby rating.
- Up to 90% fill alarm to comply with NFPA30, operating capacity is reduced by 10%.

Enclosure Package

Genset Model	Sound Pressure @ 7 m dB(A)		
	Weatherprotective Enclosure (F200, F203)	QuietSite Level 1 Sound Attenuated Enclosure (F201, F204)	QuietSite Level 2 Sound Attenuated Enclosure (F202, F205)
250 DQDAA	89	86	71
275 DQDAB	89	86	71
275 DQHAA	86	83	72
300 DFCEB	86	84	71
300 DQDAC	89	86	71
300 DQHAB	87	84	73
350 DFCC	87	85	72
350 DFEG	85	83	72
400 DFCE	89	85	73
400 DFEH	89	85	72
450 DFEC	89	85	75
450 DFEJ	87	84	74
500 DFED	90	86	76
500 DFEK	88	85	73
600 DFGB	85	78	74
600 DQCA	90	80	76
750 DFGE	87	80	75
750 DFHA	91	81	77
750 DQCB	90	80	76
750 DQFAA	89	79	75
800 DFHB	91	81	77
800 DQCC	90	80	76
800 DQFAB	89	79	75
900 DFHC	93	83	78
900 DQFAC	89	80	76
1000 DFHD	90	80	76
1000 DQFAD	90	80	76

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



**250-1000 kW
Weatherprotective**



**250-1000 kW
QuietSite Level 2**



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Package Dimensions of Enclosure, Exhaust System, and UL Tank

250-500 kW

Tank Size (gal)	Length (in) Weather Protective Package	Length (in) QuietSite Level I Package	Length (in) QuietSite Level 2 Package	Width (in)	Height (in)	Weight (lbs) Weather Protective Package	Weight (lbs) QuietSite Level 1 Package	Weight (lbs) QuietSite Level 2 Package
Lifting Base	188	188	222	82	100	4110	4535	5453
300	188	188	222	82	104	5235	5660	6578
400	188	188	222	82	106	5420	5845	6763
500	188	188	222	82	108	5522	5947	6865
600	188	188	222	82	111	5676	6101	7019
660	188	188	222	82	113	5753	6178	7096
720	188	188	222	82	114	5885	6310	7228
850	188	188	222	82	118	6065	6490	7408
1470	200	200	200	82	128	6891	7316	8234
1700	234	234	234	82	128	7466	7891	8809

600-1000 kW

Tank Size (gal)	Length (in) Weather Protective Package	Length (in) QuietSite Level I Package	Length (in) QuietSite Level 2 Package	Width (in)	Height (in)	Weight (lbs) Weather Protective Package	Weight (lbs) QuietSite Level 1 Package	Weight (lbs) QuietSite Level 2 Package
200	260	303	315	98	133	8731	11611	13491
660	260	303	315	98	133	9479	12359	14239
1000	260	303	315	98	137	9825	12705	14585
1500	260	303	315	98	142	10328	13208	15088
2000	280	320	320	98	142	11823	14703	16583
2400	332*	330	332	98	142	12810	15690	17570

- This 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 (250-500 kW), 102" lift eye to lift eye (600-1000 kW).
- Height - Florida, Michigan, and Suffolk add 4" (250-500 kW) or 2" (600-1000 kW) for bottom space.
- Maximum length emergency vent removed.



CSA - This generator set is CSA certified to product class 4215-01.



UL - The generator set is available Listed to UL2200, Stationary Engine Generator Assemblies. The PowerCommand control is Listed to UL508 - Category NITW7 for U.S. and Canadian usage.

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.