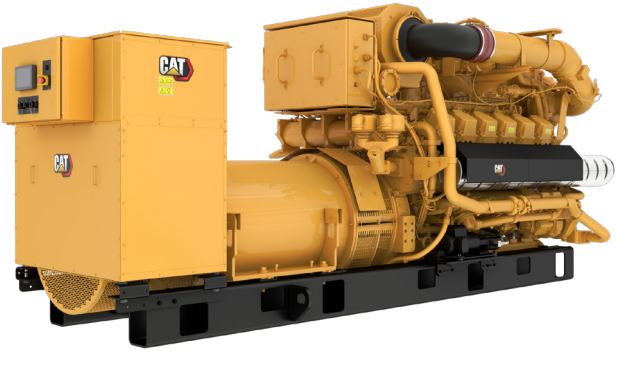
RATINGS GUIDE

Electric Power



Twenty-Fourth Edition

CONTENTS

Diesel Generator Sets
Single Phase 50 and 60 Hz 4
Three Phase 50 and 60 Hz ..... 5 – 10

Gas Generator Sets
Three Phase 50 Hz Natural Gas 11
Three Phase 50 Hz Low Energy Fuels 12
Three Phase 50 Hz Propane 13
Three Phase 50 Hz 25 Vol.-% Hydrogen in Natural Gas 14
Single Phase 60 Hz Natural Gas 15
Three Phase 60 Hz Natural Gas ..... 16 – 18
Single Phase 60 Hz Ratings – Propane 19
Three Phase 60 Hz Ratings – Propane ..... 19 – 20
Three Phase 60 Hz Ratings – Low Energy Fuels 21
Three Phase 60 Hz Ratings – 25 Vol.-% Hydrogen in Natural Gas 21

Rental Generator Sets
50 Hz Ratings XQP & XQC Diesel Power Ratings 22
60 Hz Ratings XQ & XQP Diesel Power Ratings 22
50/60 Hz XGC Gas Power Rating 23

Definitions ..... 24 – 25

Renewable Hybrid Energy Solutions
Cat® Compact Energy Storage System (ESS) 26
Telecom Hybrid Energy Solution 26

Single Phase Output – All Ratings at 1.0 pf

50 Hz, 6.8 – 90 kVA RATINGS

kVA		Engine	Configuration
Standby	Prime		
1500 rpm			
7.5	6.8	C1.1	R96/EU Stage IIIA Equivalent
11	10	C1.5	R96/EU Stage IIIA Equivalent
12	11	C1.5	Low BSFC
14	13	C2.2	R96/EU Stage IIIA Equivalent
16.5	15	C2.2	R96/EU Stage IIIA Equivalent
26	24	C3.3	R96/EU Stage IIIA Equivalent, Low BSFC
40	36	C3.3	R96/EU Stage II Equivalent, Low BSFC
50	45	C3.3	Low BSFC
55	50	C4.4	R96/EU Stage IIIA
90	82	C4.4	R96/EU Stage IIIA, R96/EU Stage II Equivalent

60 Hz, 8 – 100 ekW RATINGS

ekW		Engine	Configuration
Standby	Prime		
1800 rpm			
8.8	8	C1.1	R96/EU Stage IIIA Equivalent
13	12	C1.5	R96/EU Stage IIIA Equivalent
17	15.5	C2.2	R96/EU Stage IIIA Equivalent
19.4	17.6	C2.2	R96/EU Stage IIIA Equivalent
20	—	C2.2	ESE
25	—	C2.2	ESE
29.6	—	C2.2	ESE
40	36	C4.4	ESE
45	40	C3.3	Low BSFC
50	45	C4.4	ESE
60	55	C3.3	Low BSFC
60	55	C4.4	ESE
80	72	C4.4	ESE
99.5	90	C4.4	EU Stage II Equivalent
100	90	C4.4	ESE

ESE = U.S. EPA Stationary Emergency.

Three Phase Output – All Ratings at 0.8 pf
50 Hz, 8.5 – 500 kVA RATINGS

kVA		Engine	Configuration
Standby	Prime		
1500 rpm			
9.5	8.5	C1.1	R96/EU Stage IIIA Equivalent
13.5	12.5	C1.5	R96/EU Stage IIIA Equivalent
16	14.5	C1.5	Low BSFC
18	16.5	C2.2	R96/EU Stage IIIA Equivalent
22	20	C2.2	R96/EU Stage IIIA Equivalent
33	30	C3.3	R96/EU Stage IIIA Equivalent, Low BSFC
49	45	C3.3	Low BSFC
50	45	C3.3	EU Stage II Equivalent, Low BSFC
55	50	C3.3	Low BSFC
55	50	C4.4	EU Stage II Equivalent
65	60	C3.3	Low BSFC
65	60	C4.4	R96/EU Stage IIIA
88	80	C4.4	Low BSFC
65	60	C3.3	Low BSFC
88	80	C4.4	R96/EU Stage IIIA, Low BSFC
110	100	C4.4	R96/EU Stage IIIA, EU Stage II Equivalent, Low BSFC
149	135	C7.1	Low BSFC
150	135	C7.1	Low BSFC
165	150	C7.1	R96/EU Stage IIIA Equivalent, Low BSFC
175	160	C7.1	R96/EU Stage IIIA Equivalent
200	180	C7.1	R96/EU Stage IIIA Equivalent, Low BSFC
220	200	C7.1	Low BSFC
250	230	C9	Low BSFC
275	250	C9	Low BSFC
300	275	C9	R96/EU Stage IIIA Equivalent, Low BSFC
330	300	C9	Low BSFC
400	—	C9.3B	Low BSFC
—	350	C13	China Non-Road Stage III
400	350	C13	Low BSFC
—	400	C13	China Non-Road Stage III
450	400	C13	Low BSFC
450	400	C13	R96/EU Stage IIIA Equivalent, Low BSFC
450	400	C15	Low BSFC
—	450	C15	China Non-Road Stage III
500	450	C15	Low BSFC

50 Hz, 500 – 850 kVA RATINGS

kVA		Engine	Configuration
Standby	Prime		
1500 rpm			
550	—	C13	Low BSFC
—	500	C15	China Non-Road Stage III, CPCB IV+ Emissions
550	500	C15	R96/EU Stage IIIA Equivalent, Low BSFC
605	—	C15	Low BSFC
605	550	C18	Low BSFC
—	600	C18	China Non-Road Stage III
660	—	C15	Low BSFC
660	600	C18	Low BSFC
—	630	C18	CPCB IV+ Emissions
700	635	C18	Low BSFC
715	—	C15	Low BSFC
715	650	C18	Low BSFC
780	706	C18	Low BSFC
850	770	C18	Low BSFC

50 Hz, 680 – 1875 kVA RATINGS

kVA					Engine	Configuration
Standby	Mission Critical	Prime	Prime DCP	Contin.		
1500 rpm						
750	—	680	—	—	3412C	Low BSFC
800	—	725	—	—	3412C	Low BSFC
900	—	810	—	—	3412C	Low BSFC
1100	1100	1000	—	910	C32	Low BSFC
1250	1250	1100	—	—	C32	Low BSFC
1250	1250	1150	1150	1000	3512	Low BSFC
1400	1400	1275	—	—	C32	Low BSFC
1400	1400	1275	1275	1206	3512	Low BSFC
1500	1500	1375	—	—	C32	Low BSFC
1500	1500	1360	1360	—	3512B	Low BSFC, Low Emissions
1600	1600	1500	1500	1320	3512B	Low BSFC, Low Emissions
1625	1625	1500	1500	1320	3512B	Low BSFC, Low Emissions
1675	1675	—	—	—	C32B	Low BSFC
1750	1750	1600	1600	—	3512B	Low BSFC, Low Emissions
1875	1875	1700	1700	1500	3512B	Low BSFC, Low Emissions
2000	2000	1825	1825	1600	3516	Low BSFC
2250	2250	2000	2000	1750	3516B	Low BSFC, Low Emissions
—	—	2000	—	1750	3516B DGB™	Low BSFC
—	—	2275	—	2000	3516B DGB	Low BSFC
2500	2500	2275	2275	2000	3516B	Low BSFC, Low Emissions

50 Hz, 1600 – 7150 kVA RATINGS

kVA					Engine	Configuration
Standby	Mission Critical	Prime	Prime DCP	Contin.		
1500 rpm						
2750	2750	2500	2500	2275	3516C	Low BSFC, Low Emissions, EPA Tier 2
3000	3000	2725	2725	2500	C175-16	Low BSFC
3000	3000	—	—	—	C175-16	Low Emissions
3000	3000	2750	2750	—	3516E	Low BSFC, < 2000 mg NO_x, EPA Tier 2
3250	3250	2950	2950	—	3516E	< 2000 mg NO_x, EPA Tier 2
3350*#	3350*#	—	—	—	C175-20	Low Emissions/EPA Tier 2
3500	3500	3175	3175	—	3516E	EPA Tier 2
3900	3900	3500	3500	3150	C175-20	Low BSFC
3900	3900	—	—	—	C175-20	Low Emissions/EPA Tier 2
4000*	4000*	3600*	3600*	3250*	C175-20	Low BSFC
4000*	4000*	—	—	—	C175-20	Low Emissions/EPA Tier 2
1000 rpm						
2688	—	2425	—	2200	3606	Low BSFC
—	—	2425	—	2200	C280-6	IMO/EPA Tier 2
3575	—	3250	—	2938	3608	Low BSFC
—	—	3250	—	2938	C280-8	IMO/EPA Tier 2
5375	—	4850	—	4400	3612	Low BSFC
—	—	4850	—	4400	C280-12	IMO/EPA Tier 2
7150	—	6500	—	5875	3616	Low BSFC
—	—	6500	—	5875	C280-16	IMO/EPA Tier 2
750 prm						
1963	—	1963	—	—	3606	Low BSFC
2600	—	2600	—	—	3608	Low BSFC
3925	—	3925	—	—	3612	Low BSFC
5200	—	5200	—	—	3616	Low BSFC

*Rating does not include package mounted radiator. #Ratings at 0.95 pf.

50 Hz, 2000 – 5400 kVA RATINGS — HEAVY FUEL

Continuous		Generator Set Model*	Configuration
kVA	bkW		
1000 rpm			
2000	1680	3606	Low BSFC
2700	2240	3608	Low BSFC
4050	3360	3612	Low BSFC
5400	4480	3616	Low BSFC

*Special rating request required.

60 Hz, 8 – 400 ekW RATINGS

ekW		Engine	Configuration
Standby	Prime		
1800 rpm			
8.8	8	C1.1	R96/EU Stage IIIA Equivalent
13.2	12	C1.5	R96/EU Stage IIIA Equivalent
17.6	16	C2.2	R96/EU Stage IIIA Equivalent
20	18	C2.2	R96/EU Stage IIIA Equivalent
20	—	C2.2	ESE
25	—	C2.2	ESE
29.6	—	C2.2	ESE
30	27	C3.3	Low BSFC
40	36	C4.4	ESE
45	40	C3.3	Low BSFC
50	45	C4.4	ESE
50	45	C3.3	Low BSFC
60	55	C3.3	Low BSFC
60	55	C4.4	ESE
80	72	C4.4	ESE, Low BSFC
100	90	C4.4	ESE, Low BSFC
100	90.4	C4.4	EU Stage II Equivalent
125	114	C7.1	ESE
132	120	C7.1	Low BSFC
135	120	C7.1	Low BSFC
150	135	C7.1	Low BSFC
150	136	C7.1	ESE
174	157	C7.1	Low BSFC
175	158	C7.1	ESE
175	160	C7.1	Low BSFC
200	—	C7.1	ESE
200	180	C9	ESE, Low BSFC
250	225	C9	ESE, Low BSFC
275	250	C9	Low BSFC
300	270	C9	Low BSFC
300	275	C9	ESE
350	—	C9.3	Low BSFC
350	320	C13	ESE, Low BSFC
350	320	C15	ESE
400	—	C9.3	Low BSFC
400	350	C13	Low BSFC
400	365	C13	ESE
400	350	C13	Low BSFC

ESE = EPA Stationary Emergency.

60 Hz, 365 – 750 ekW RATINGS

ekW		Engine	Configuration
Standby	Prime		
1800 rpm			
400	365	C15	ESE
450	—	C13	Low BSFC
450	410	C15	ESE, Low BSFC
500	455	C15	ESE, Low BSFC
500	455	C18	EPA Tier 4 Final
550	500	C15	Low BSFC
550	500	C18	ESE, Low BSFC
600	—	C15	Low BSFC
600	545	C18	ESE, Low BSFC
650	600	C18	ESE, Low BSFC
700	635	C18	ESE
716	650	C18	Low BSFC
750	680	C18	ESE, Low BSFC

ESE = EPA Stationary Emergency.

60 Hz, 635 – 2000 ekW RATINGS

ekW					Engine	Configuration
Standby	Mission Critical	Prime	Prime DCP	Contin.		
1800 rpm						
700	—	635	—	—	3412C	Low BSFC
750	—	680	—	—	C27	ESE, Low BSFC
750	—	680	—	—	3412C	Low BSFC
800	800	725	—	—	C27	ESE, Low BSFC
800	—	725	—	—	3412C	Low BSFC
1000	1000	910	—	830	C32	ESE, Low BSFC
1100	1100	1000	1000	890	3512	Low BSFC
1100	1100	1000	—	—	C32	ESE, Low BSFC
1250	1250	1136	—	—	C32	ESE, Low BSFC
1250	1250	1135	1135	1010	3512	Low BSFC
1400	1400	1275	1275	—	3512B	Low BSFC, Low Emissions
1500	1500	1360	1360	1230	3512B	Low BSFC, Low Emissions
1500	1500	1360	1360	1230	3512C	ESE
1500	1500	—	—	—	C32B	ESE
1500	1500	—	—	—	C32B	Low BSFC
1750	1750	1600	1600	—	3512C	ESE
1750	1750	1600	1600	1450	3516	Low BSFC
2000	2000	1825	1825	1640	3516B	Low BSFC, Low Emissions
—	—	1825	—	1640	3516B DGB	Low BSFC
2000	2000	1825	1825	1650	3516C	ESE

ESE = EPA Stationary Emergency.

60 Hz, 1825 – 4000 ekW RATINGS

ekW						
Standby	Mission Critical	Prime	Prime DCP	Contin.	Engine	Configuration
1800 rpm						
2000	2000	1825	1825	—	3516C	EPA Tier 4 Final*
2250	2250	—	—	—	3516B	Low BSFC
2250	2250	2045	2045	—	3516C	ESE
2500	2500	2250	2250	2050	3516C	ESE
2500	2500	2250	2250	—	3516C	EPA Tier 4 Final*
2750	2750	2500	2500	—	3516E	ESE
3000	3000	2725	2725	—	3516E	ESE
3000	3000	2725	2725	2500	C175-16	EPA Tier 4 Final*, ESE, Low BSFC
3250	3250	3000	3000	—	C175-16	ESE
3500	3500	3180	3180	—	C175-20	ESE
3900	3900	3500	3500	3150	C175-20	ESE, Low BSFC
4000**	4000**	3600**	3600**	3250**	C175-20	ESE, Low BSFC

ESE = EPA Stationary Emergency.
*Tier 4 Final is met using Average, Banking, and Trading Program.
**Rating does not include package mounted radiator.

60 Hz, 1525 – 5320 ekW RATINGS

ekW				
Standby	Prime	Contin.	Engine	Configuration
900 rpm				
2000	1820	1650	3606	Low BSFC
—	1820	1650	C280-6	IMO/EPA Tier 2
2660	2420	2200	3608	Low BSFC
—	2420	2200	C280-8	IMO/EPA Tier 2, EPA Tier 4 Final
4000	3640	3300	3612	Low BSFC
—	3640	3300	C280-12	IMO/EPA Tier 2, EPA Tier 4 Final
5320	4840	4400	3616	Low BSFC
—	4840	4400	C280-16	IMO/EPA Tier 2, EPA Tier 4 Final
720 rpm				
—	1525	—	3606	Low BSFC
—	2020	—	3608	Low BSFC
—	3050	—	3612	Low BSFC
—	4040	—	3616	Low BSFC

60 Hz, 1500 – 4000 ekW RATINGS — HEAVY FUEL

Continuous		Generator Set Model*	
ekW	bkW		Configuration
900 rpm			
1500	1570	3606	Low BSFC
2000	2090	3608	Low BSFC
3000	3140	3612	Low BSFC
4000	4180	3616	Low BSFC

*Special rating request required.

Three Phase Output – All Ratings at 1.0 pf

50 Hz, 374 – 4500 ekW RATINGS — NATURAL GAS

ekW Continuous	Generator Set Model
1500 rpm	
374	G3412C
400	CG132B-8
600	CG132B-12
800	CG132B-16
1000	CG132B-16
1000	CG170-12
1030	G3516
1125	CG170-12
1200	CG170-12
1380	CG170B-12
1500	CG170-16
1515	G3512H
1530	G3512K
1560	CG170-16
1840	CG170B-16
2027	G3516H
2300	CG170B-20
2526	G3520H
2541	G3520K
1000 rpm	
3333	CG260-12
4300	CG260-16
4500	CG260-16

Electric output depends on final generator specification.
< 250 mg/Nm^3 NO_x at an oxygen content of 5%.

50 Hz, 2600 – 3200 ekW RATINGS — NATURAL GAS

ekW Limited Time Power	Generator Set Model	Engine	Configuration
1500 rpm			
2600	G3520	G3520 with FAST RESPONSE	EPA Factory Certified
3120	G3520	G3520 with FAST RESPONSE	EPA Factory Certified

All ratings at 0.8 pf.
Nitrogen oxide (NO_x) emissions at an oxygen content of 5%.

50 Hz, 400 – 1105 ekW RATINGS — LOW ENERGY FUELS*

All Ratings at 1.0 pf

ekW Continuous*	Generator Set Model
1500 rpm	
400	CG132B-8
600	CG132B-12
800	CG132B-16
1000	CG170-12
1030	G3516
1100	G3516+

*Fuels can include, but not limited to: biogas, coal mine methane, sewage gas, landfill gas.

50 Hz, 1200 – 3770 ekW RATINGS — LOW ENERGY FUELS*

All Ratings at 1.0 pf

ekW Continuous*	Generator Set Model
1500 rpm	
1200	CG170-12
1380	CG170B-12
1560	CG170-16
1840	CG170B-16
1984	G3520C
2000	CG170B-20
2300	CG170B-20
1000 rpm	
3770	CG260-16

*Fuels can include, but not limited to: biogas, coal mine methane, sewage gas, landfill gas.

50 Hz, 252 – 3420 ekW RATINGS — PROPANE

ekW Continuous	Generator Set Model	Configuration
	1500 rpm	
252	CG132B-08	250 mg/Nm^3 NO_x
378	CG132B-12	250 mg/Nm^3 NO_x
504	CG132B-16	250 mg/Nm^3 NO_x
505	CG132B-16	250 mg/Nm^3 NO_x
750	CG132B-16	250 mg/Nm^3 NO_x
842	CG170B-12	250 mg/Nm^3 NO_x
878	CG170-12	250 mg/Nm^3 NO_x
912	G3512H	500 mg/Nm^3 NO_x
948	CG170-12	250 mg/Nm^3 NO_x
950	CG170-12	250 mg/Nm^3 NO_x
1088	G3512K	250 mg/Nm^3 NO_x
1122	CG170B-16	250 mg/Nm^3 NO_x
1144	G3516H	500 mg/Nm^3 NO_x
1170	CG170-16	250 mg/Nm^3 NO_x
1186	CG170-16	250 mg/Nm^3 NO_x
1429	G3520H	500 mg/Nm^3 NO_x
1472	CG170B-20	250 mg/Nm^3 NO_x
1880	CG170B-20	250 mg/Nm^3 NO_x
1783	G3520K	250 mg/Nm^3 NO_x
	1000 rpm	
2100	CG260-12	250 mg/Nm^3 NO_x
2795	CG260-16	250 mg/Nm^3 NO_x
3420	CG260-16	250 mg/Nm^3 NO_x

Propane ratings of natural gas gensets are very sensitive to site conditions, fuel composition and emissions setting. Site specific limitations may apply, maintenance intervals may be affected. Nitrogen oxide (NO_x) emissions at an oxygen content of 5%.

50 Hz, 400 – 4500 ekW RATINGS — 25 VOL.-% HYDROGEN IN NATURAL GAS

ekW Continuous	Generator Set Model	Configuration
	1500 rpm	
400	CG132B-08	NG with 25% hydrogen
600	CG132B-12	NG with 25% hydrogen
800	CG132B-16	NG with 25% hydrogen
1000	CG132B-16	NG with 25% hydrogen
1380	CG170B-12	NG with 25% hydrogen
1500	G3512H	NG with 25% hydrogen
1840	CG170B-16	NG with 25% hydrogen
2000	G3516H	NG with 25% hydrogen
2000	CG170B-20	NG with 25% hydrogen
2300	CG170B-20	NG with 25% hydrogen
2500	G3520H	NG with 25% hydrogen
	1000 rpm	
3333	CG260-12	NG with 25% hydrogen
4300	CG260-16	NG with 25% hydrogen
4500	CG260-16	NG with 25% hydrogen

Generator sets operating on Natural Gas containing up to 25 vol.-% of hydrogen.

Single Phase Output – All Ratings at 1.0 pf
60 Hz, 20 – 200 ekW RATINGS — NATURAL GAS

ekW				Generator Set Model	Engine	Configuration
Emergency Standby	Standby	Demand Response	Prime			
1800 rpm						
20	—	20	20	DG20	3.6	ESE
25	—	25	25	DG25	3.6	ESE
30	—	30	30	DG30	3.6	ESE
35	—	35	35	DG35	3.6	ESE
40	—	—	—	DG40	3.6	ESE
45	—	—	—	DG45	3.6	ESE
50	—	—	—	DG50	3.6	ESE
60	—	—	—	DG60	3.6	ESE
—	—	61	51	DG70	3.6	EPA Non-Emergency
70	—	—	—	DG70	3.6	ESE
80	—	—	—	DG80	3.6	ESE
100	—	—	—	DG100	6.2	ESE
—	—	100	86	DG125	6.2	EPA Non-Emergency

The above Certifications are applicable for US Sales: ESE = EPA Stationary Emergency.

Three Phase Output – All Ratings at 1.0 pf
60 Hz, 20 – 500 ekW RATINGS — NATURAL GAS

ekW				Generator Set Model	Engine	Configuration
Emergency Standby	Standby	Demand Response	Prime			
1800 rpm						
20	—	20	20	DG20	3.6	ESE
25	—	25	25	DG25	3.6	ESE
30	—	30	30	DG30	3.6	ESE
35	—	35	35	DG35	3.6	ESE
40	—	—		DG40	3.6	ESE
45	—	—		DG45	3.6	ESE
50	—	—		DG50	3.6	ESE
60	—	—	—	DG60	3.6	ESE
—	—	61	51	DG70	3.6	EPA Non-Emergency
70	—	—	—	DG70	3.6	ESE
80	—	—	—	DG80	3.6	ESE
100	—	—		DG100	6.2	ESE
—	—	105	88	DG125	6.2	EPA Non-Emergency
—	—	125	—	DG125	6.2	EPA Non-Emergency
125	—	—	—	DG125	6.2	ESE
—	—	—	122	DG150	6.2	EPA Non-Emergency
—	—	150	—	DG150	9.1	EPA Non-Emergency
150	—	—	—	DG150	9.1	ESE
—	—	250	—	DG250	18.1	EPA Non-Emergency
—	—	300	—	DG300	18.1	EPA Non-Emergency
—	—	350	—	DG350	18.1	EPA Non-Emergency
—	350	—	—	DG350	18.1	ESE
—	—	400	—	DG400	18.1	EPA Non-Emergency
—	400	—	—	DG400	18.1	ESE
—	—	425	400	DG450 Compact#	21.9	EPA Non-Emergency
—	—	450	—	DG450	18.1	EPA Non-Emergency
1800 rpm						
450	—	—	—	DG450 Compact#	21.9	ESE
—	450	—	—	DG450	18.1	ESE
—	—	500	—	DG500	18.1	EPA Non-Emergency
—	500	—	—	DG500	18.1	ESE

The above Certifications are applicable for US Sales: ESE = EPA Stationary Emergency.
#Ultra Low NO_x – East Texas capable.

60 Hz, 500 – 2500 ekW RATINGS — NATURAL GAS

ekW Standby	Generator Set Model	Engine	Configuration
1800 rpm			
750	G3512	G3512 with FAST RESPONSE	EPA Factory Certified
1000	G3512	G3512 with FAST RESPONSE	EPA Factory Certified
1250	G3512	G3512 with FAST RESPONSE	1 g/bhp-hr NO_x
1500	G3516	G3516 with FAST RESPONSE	EPA Factory Certified
2000	G3520	G3520 with FAST RESPONSE	EPA Factory Certified
2500	G3520	G3520 with FAST RESPONSE	EPA Factory Certified
3120	G3520	G3520 with FAST RESPONSE	EPA Factory Certified

All ratings at 0.8 pf.
Nitrogen oxide (NO_x) emissions at an oxygen content of 5%.

60 Hz, 350 – 425 ekW RATINGS — NATURAL GAS

ekW Limited Time Power	Generator Set Model	Engine	Configuration
1800 rpm			
350	DG400	18.1	EPA Non-Emergency
400	DG450	18.1	EPA Non-Emergency
450	DG500	18.1	EPA Non-Emergency
425	DG450 Compact#	21.9	EPA Non-Emergency

Ultra Low NO_x – East Texas capable.

60 Hz, 400 – 4050 ekW RATINGS — NATURAL GAS

All Ratings at 1.0 pf

ekW Continuous*	Generator Set Model
1800 rpm	
400	CG132B-8
423	G3412C
453	G3412
600	CG132B-12
800	CG132B-16
1500 rpm	
1125	CG170-12
1200	CG170-12
1500	G3512H
1500	CG170-16
1518	G3512K
1560	CG170-16
2000	CG170B-20
2007	G3516H
2300	CG170B-20
2507	G3520H
2552	G3520K
900 rpm	
3000	CG260-12
4000	CG260-16
4050	CG260-16

Electric output depends on final generator specification.
< 250 mg/Nm^3 NO_x at an oxygen content of 5%.

Single Phase Output – All Ratings at 1.0 pf
60 Hz, 20 – 86 ekW RATINGS — PROPANE

ekW			Generator Set Model	Engine	Configuration
Emergency Standby	Demand Response	Prime			
1800 rpm					
20	20	20	DG20	3.6	ESE
25	25	25	DG25	3.6	ESE
30	30	30	DG30	3.6	ESE
35	35	35	DG35	3.6	ESE
40	—	—	DG40	3.6	ESE
45	—	—	DG45	3.6	ESE
50	—	—	DG50	3.6	ESE
60	—	—	DG60	3.6	ESE
—	53	43	DG70	3.6	EPA Non-Emergency
61	—	—	DG70	3.6	ESE
61	—	—	DG80	3.6	ESE
86	—	—	DG100	6.2	ESE
—	86	86	DG125	6.2	EPA Non-Emergency

The above Certifications are applicable for US Sales: ESE = EPA Stationary Emergency.

Three Phase Output – All Ratings at 0.8 pf
60 Hz, 20 – 350 ekW RATINGS — PROPANE

ekW			Generator Set Model	Engine	Configuration
Emergency Standby	Demand Response	Prime			
1800 rpm					
20	20	20	DG20	3.6	ESE
25	25	25	DG25	3.6	ESE
30	30	30	DG30	3.6	ESE
35	35	35	DG35	3.6	ESE
40	—	—	DG40	3.6	ESE
45	—	—	DG45	3.6	ESE
50	—	—	DG50	3.6	ESE
60	—	—	DG60	3.6	ESE
—	53	43	DG70	3.6	EPA Non-Emergency
61	—	—	DG70	3.6	ESE
61	—	—	DG80	3.6	ESE
89	—	—	DG100	6.2	ESE
—	98	88	DG125	6.2	EPA Non-Emergency
118	—	—	DG125	6.2	ESE
—	133	122	DG150	6.2	EPA Non-Emergency
133	—	—	DG150	9.1	ESE
—	350	350	DG450 Compact#	21.9	EPA Non-Emergency
350		—	DG450 Compact#	21.9	ESE

The above Certifications are applicable for US Sales: ESE = EPA Stationary Emergency.
Ultra Low NO_x – East Texas capable.

60 Hz, 253 – 2613 ekW RATINGS — PROPANE

ekW Continuous	Generator Set Model	Configuration
	1800 rpm	
253	CG132B-08	250 mg/Nm^3 NO_x
378	CG132B-12	250 mg/Nm^3 NO_x
505	CG132B-16	250 mg/Nm^3 NO_x
607	G3512 with FAST RESPONSE*	500 mg/Nm^3 NO_x
932	G3516 with FAST RESPONSE*	500 mg/Nm^3 NO_x
1097	G3520 with FAST RESPONSE*	500 mg/Nm^3 NO_x
	1500 rpm	
878	CG170-12	250 mg/Nm^3 NO_x
892	G3512H	500 mg/Nm^3 NO_x
948	CG170-12	250 mg/Nm^3 NO_x
950	CG170-12	250 mg/Nm^3 NO_x
1081	G3512K	250 mg/Nm^3 NO_x
1112	G3516H	500 mg/Nm^3 NO_x
1170	CG170-16	250 mg/Nm^3 NO_x
1186	CG170-16	250 mg/Nm^3 NO_x
1305	G3520 with FAST RESPONSE*	500 mg/Nm^3 NO_x
1391	G3520H	500 mg/Nm^3 NO_x
1472	CG170B-20	250 mg/Nm^3 NO_x
1585	G3520 with FAST RESPONSE*	500 mg/Nm^3 NO_x
1880	CG170B-20	250 mg/Nm^3 NO_x
1785	G3520K	250 mg/Nm^3 NO_x
	900 rpm	
1770	CG260-12	250 mg/Nm^3 NO_x
2229	CG260-16	250 mg/Nm^3 NO_x
2613	CG260-16	250 mg/Nm^3 NO_x

Propane ratings of natural gas gensets are very sensitive to site conditions, fuel composition and emissions setting. Site specific limitations may apply, maintenance intervals may be affected. Nitrogen oxide (NO_x) emissions at an oxygen content of 5%.

*Primary Standby use.

60 Hz, 400 – 3510 ekW RATINGS — LOW ENERGY FUELS*

All Ratings at 1.0 pf

ekW Continuous	Generator Set Model
1800 rpm	
400	CG132B-8
600	CG132B-12
800	CG132B-16
1500 rpm	
1200	CG170-12
1560	CG170-16
2000	CG170B-20
2300	CG170B-20
1200 rpm	
824	G3516
1000	G3516+
1622	G3520C
900 rpm	
3510	CG260-16

*Fuels can include, but not limited to: biogas, coal mine methane, sewage gas, landfill gas.

60 Hz, 400 – 4500 ekW RATINGS — 25 VOL.-% HYDROGEN IN NATURAL GAS

ekW Continuous	Generator Set Model	Configuration
1800 rpm		
400	CG132B-08	NG with 25% hydrogen
600	CG132B-12	NG with 25% hydrogen
800	CG132B-16	NG with 25% hydrogen
1500 rpm		
1490	G3512H	NG with 25% hydrogen
1982	G3516H	NG with 25% hydrogen
2000	CG170B-20	NG with 25% hydrogen
2300	CG170B-20	NG with 25% hydrogen
2490	G3520H	NG with 25% hydrogen
900 rpm		
3000	CG260-12	NG with 25% hydrogen
4000	CG260-16	NG with 25% hydrogen
4050	CG260-16	NG with 25% hydrogen

Generator sets operating on Natural Gas containing up to 25 vol.-% of hydrogen.

50 Hz, 20 – 1893 kVA DIESEL RATINGS — RENTAL POWER

kVA			Generator Set Model	Configuration
Standby	Prime	Continuous		
1500 rpm				
22	20	—	XQP20	EU Stage V
33	30	—	XQP30	Low BSFC
65	60	—	XQP60	R96/EU Stage IIIA Equivalent
—	60	—	XQP60	EU Stage V
110	100	—	XQP100	Low BSFC
125	114	—	XQP115	EU Stage V
165	150	—	XQP150	Low BSFC
220	200	—	XQP200	EU Stage V
330	300	—	XQP300	Low BSFC
340	310	—	XQP310	EU Stage V
550	500	—	XQP500	Low BSFC
605	550	—	XQP550	EU Stage V
1210	1100	—	XQP1100	Low BSFC
—	—	1438	XQC1200	Low BSFC / Low Emissions
—	—	1893	XQC1600	Low BSFC / Low Emissions

60 Hz, 20 – 2500 kVA DIESEL RATINGS — RENTAL POWER

kVA			Generator Set Model	Configuration
Standby	Prime	Continuous		
1800 rpm				
—	20*	—	XQ20	EPA Tier 4 Final
38	35	—	XQ35	EPA Tier 4 Final
—	60*	—	XQ60	EPA Tier 4 Final
138	125	—	XQ125	EPA Tier 4 Final
250	228	—	XQ230	EPA Tier 4 Final
360	330	—	XQ330	EPA Tier 4 Final
469	425	—	XQ425	EPA Tier 4 Final
625	568	—	XQ570	EPA Tier 4 Final
1250	1136	—	XQ1140	EPA Tier 4 Final
2500	2280	—	XQ2280	EPA Tier 4 Final

*No Overload Capability.

60 Hz, 28 – 1705 ekW DIESEL RATINGS — RENTAL POWER

ekW			Generator Set Model	Configuration
Standby	Prime	Continuous		
1800 rpm				
31	28	—	XQP30	Low BSFC
60	54	—	XQP60	R96/EU Stage IIIA Equivalent
—	53	—	XQP60	EU Stage V
103	94	—	XQP100	Low BSFC
137	125	—	XQP115	EU Stage V
149	135	—	XQP150	Low BSFC
198	180	—	XQP200	EU Stage V
302	275	—	XQP300	Low BSFC
297	270	—	XQP310	EU Stage V
460	420	—	XQP500	Low BSFC
512	470	—	XQP550	EU Stage V
1067	970	—	XQP1100	Low BSFC
—	—	1260	XQC1200	Low BSFC, Low Emissions
—	—	1705	XQC1600	Low BSFC, Low Emissions

50/60 Hz, 1900 ekW GAS POWER RATINGS

ekW Continuous*	Generator Set Model	Configuration
1500/1800 rpm		
1900	XGC1900	500 mg/Nm^3 NO_x
1800 rpm		
1900	XGC1900	250 mg/Nm^3 NO_x

*All ratings at 0.8 pf. At an oxygen content of 5%.

DIESEL DEFINITIONS

Standby: Output available with varying load for the duration of the interruption of the normal source power. Average power output is 70% of the standby rated ekW. Typical operation is 200 hours per year, with maximum expected usage of 500 hours per year.

Mission Critical: Output available with varying load for the duration of the interruption of the normal source power. Average power output is 85% of the mission critical rated ekW. Typical peak demand up to 100% of rated ekW for up to 5% of the operating time. Typical operation is 200 hours per year, with maximum expected usage of 500 hours per year.

Prime: Output available with varying load for an unlimited time. Average power output is 70% of the prime rated ekW. Typical peak demand is 100% of prime rated ekW with 10% overload capability for emergency use for a maximum of 1 hour in 12. Overload operation cannot exceed 25 hours per year.

Prime-DCP: For data center applications only. Prime-DCP power output available with varying load for unlimited time. Average power output is not to exceed 100% of Prime-DCP rated ekW. Typical peak demand is 100% of the prime-DCP rated ekW with 10% overload capability for emergency use for a maximum of 1 hour in 12. Overload operation cannot exceed 25 hours per year.

Continuous: Output available with non-varying load for an unlimited time. Average power output is 70-100% of the continuous rated ekW. Typical peak demand is 100% of continuous rated ekW for 100% of the operating hours.

GAS DEFINITIONS

Standby Power Rating / Demand Response: Output available with varying load for the duration of the interruption of normal source power. Average power output is 70% of the standby rated ekW. Typical operation is 200 hours per year, with maximum expected usage of 500 hours per year.

Emergency Standby Power (ESP): Output available with varying loads for the duration of the interruption of the normal source power. Average power output is 70% of the ESP rated ekW. Typical operation is 50 hours per year with a maximum expected usage of 200 hours per year.

Prime Power Rating: Output available with varying load for an unlimited time. Average power output is 70% of the prime rated ekW. Typical peak demand is 100% of prime rated ekW.

Continuous Power Rating: Output available with non-varying or varying load for an unlimited time. Average power output is 70-100% of the continuous rated ekW. Typical peak demand is 100% of continuous rated ekW for 100% of operating hours.

Limited Time Power (LTP): A Prime-rated generator set under Limited Time Power guidelines can run for a maximum of 500 hours per year with an average load factor of up to 100% without allowing for any overload.

CAT® COMPACT ENERGY STORAGE SYSTEM (ESS)

Model	Nameplate Energy	Nameplate Power	Voltage	Frequency
XES60	56.8 kWh	24 kW (30 kVA)	280/120V	60 Hz
XES60	56.8 kWh	36 kW (45 kVA)	400/230V	50 Hz
XES120	127.9 kWh	48 kW (60 kVA)	280/120V	60 Hz
XES120	127.9 kWh	72 kW (90 kVA)	400/230V	50 Hz

TELECOM HYBRID ENERGY SOLUTION

Model	Nameplate Energy	Input Power AC	Input Power DC	Output Power DC	Output Voltage
ETS150	150 kWh	3.2 kW – 45 kW	33.6 kW (Max.)	24 kW (continuous)	48 VDC

NOTES

For additional information or to find your nearest dealer go to:

www.cat.com/electricpower

LEXE7582-24, September 2026

©2026 Caterpillar All Rights Reserved.

Materials and specifications are subject to change without notice. CAT, CATERPILLAR, LET'S DO THE WORK, their respective logos, "Caterpillar Corporate Yellow," the "Power Edge" and Cat "Modern Hex" trade dress as well as corporate and product identity used herein, are trademarks of Caterpillar and may not be used without permission.