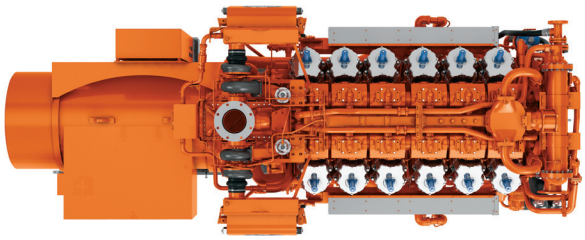
Power Generation Power Ratings



60 Hz | Natural gas Enginator* systems | remote radiator cooling | 130˚F (54˚C) intercooler water inlet temperature

Model - RPM	Rated Power, kWe[1]			Time to accept load (sec)[2]	Step load capability (%)[3]	U.S. Emissions[4]
	Continuous (COP)	Prime (PRP)	Standby (ESP)			
275GL* - 900 RPM						
16V 275GL+	3215	3215	3215	<60	25	continuous & emergency
12V 275GL+	2415	2415	2415	<60	25	continuous & emergency
VHP*- 1200 RPM						
VHP9504GSI	1600	1760	1760	<30	60	continuous & emergency
VHP7104GSI/GSID	1200	1320	1320	<10 / <20	100	continuous & emergency
VHP7104GSI-EPA	1200	1200	1200	<15	100	certified - stationary and mobile
VHP7100GSI/GSID S4	1050	1050	1050	<10 / <20	100	continuous & emergency
VHP7100GL/GLD	1050	1155	1155	<20	60	emergency
VHP5904LT/LTD	1025	1025	1025	<20	60	emergency
VHP5904GSI/GSID	980	1080	1080	<10 / <20	100	continuous & emergency
VHP5904GSI-EPA	980	980	980	<15	100	certified - stationary and mobile
VHP3604GSI/GSID	600	660	660	<10 / <20	100	continuous & emergency
VGF*- 1800 RPM						
VGF48GL/GLD	830	860	860	<30	100	emergency
VGF48GSI/GSID	750	825	825	<10 / <30	100	continuous & emergency
VGF36GL/GLD	620	645	645	<30	100	emergency
VGF36GSI/GSID	560	625	625	<10 / <30	100	continuous & emergency
VGF24GL/GLD	415	435	435	<30	100	emergency
VGF24SE	375	410	450[7]	<10	100	continuous & emergency
VGF24SE-EPA	375	410	410	<10	100	certified - stationary and mobile
VGF18GL/GLD	310	325	325	<30	100	emergency
VGF18SE	280	310	340[7]	<10	100	continuous & emergency
VGF18SE-EPA	280	310	310	<10	100	certified - stationary and mobile

NOTES:

1 Rating Standard: Definitions of Continuous Power (COP), Prime Power (PRP), and Emergency Standby Power (ESP) are per ISO 8528-1 (latest version).

2 Time to accept load indicates the capability to attain rated frequency and voltage from the moment start signal is received; engines must be prelubricated and preheated per GE Waukesha requirements.

3 Step load capability indicates the capability to perform an initial block load. Value is stated as a percentage of the COP rating.

4 U.S. emissions continuous and emergency reference indicates capability to comply (not factory certified) to standard 40 CFR Part 60 Section JJJJ for stationary exhaust emissions standards. Some engine models may require customer-supplied catalyst and/or air/fuel ratio control to achieve attainment. Engine models indicated as certified: Mobile Tier 2 Certified Per 40 CFR 1048 and Stationary Certified per 40 CFR 60 JJJJ. Contact Application Engineering for additional and/or site specific emissions information, including for international regions.

5 50Hz emissions levels: standard NOx emissions capability is shown. Some engine models may require customer-supplied catalyst and/or air/fuel ratio control to achieve the stated value. Contact Application Engineering for additional and/or site specific emissions information.

6 Indicates NOx emissions capability for engine models with optional GE Waukesha emPact system applied. Contact Application Engineering for engine-out emissions levels.

7 Requires Special Application Approval (SAA); contact Application Engineering for further details.

See additional notes on reverse side.

50 Hz | Natural gas Enginator* systems | remote radiator cooling | 130˚F (54˚C) intercooler water inlet temperature

Model - RPM	Rated Power, kWe[1]			Time to accept load (sec)[2]	Step load capability (%)[3]	NOx Emissions[5] (mg/Nm3 @ 5% O_2)
	Continuous (COP)	Prime (PRP)	Standby (ESP)			
275GL* - 1000 RPM						
16V 275GL+	3605	3605	3605	<60	25	230
12V 275GL+	2705	2705	2705	<60	25	230
VHP*- 1000 RPM						
VHP9504GSI	1460	1460	1460	<30	60	62 or 185[6]
VHP7104GSI/GSID	1100	1125	1150	<10 / <20	100	62 or 185[6]
VHP7100GSI/GSID S4	875	875	875	<10 / <20	100	62 or 185[6]
VHP7100GL/GLD	875	965	965	<20	60	610
VHP5904LT/LTD	1000[7]	1000[7]	1000[7]	<20	60	1620
VHP5904GSI/GSID	900	900	900	<10 / <20	100	62 or 185[6]
VHP3604GSI/GSID	540	540	540	<10 / <20	100	<370
VGF*- 1500 RPM						
VGF48GL/GLD	685	715	715	<30	100	1015
VGF48GSI/GSID	625	685	685	<10 / <30	100	<370
VGF36GL/GLD	515	535	535	<30	100	1015
VGF36GSI/GSID	475	515	515	<10 / <30	100	<370
VGF24GL/GLD	340	355	355	<30	100	1015
VGF24SE	310	340	375[7]	<10	100	62 or 185[6]
VGF18GL/GLD	250	260	260	<30	100	1015
VGF18SE	230	255	280[7]	<10	100	62 or 185[6]

Ratings conform to ISO 3046/1 (latest version) with a mechanical efficiency of 90% and auxiliary water temperature, Tcra, as specified in the Power Rating Chart, Bulletin 1079 (latest version) limited to ±10° F (±5.5° C). Ratings are also valid for SAE J1349, BS 5514, DIN 6271 and API 7B-11C standard atmospheric reference conditions.

Price Book option codes and/or engine configurations may apply for the stated performance.

kWe output is based on 0.8 Power Factor Enginator* efficiency. For intermittent, reduced speed or alternate fuel power ratings, see Power Ratings Bulletin 18900 or consult DFistributed Power's Waukesha gas engine team.

Fuel Standard: All natural gas engine ratings are based on 900 BTU/ft3 (35.38 MJ/m3 [25, V(0; 101.325)]) SLHV, 91 WKI® minimum, commercial quality natural gas. Refer to S-7884-7 (latest version) for full gaseous fuel specifications.

Consult your local Waukesha representative for system application assistance. The manufacturer reserves the right to change or modify without notice, the design or equipment specifications as herein set forth without incurring any obligation either with respect to equipment previously sold or in the process of construction except where otherwise specifically guaranteed by the manufacturer.

See additional notes on reverse side.

SUFFIX DESIGNATIONS

- G = Naturally aspirated
- GSI = Turbocharged intercooled
- GSID = Turbocharged intercooled draw-thru
- GL = Turbocharged intercooled lean burn
- LT = Lean combustion turbulence
- GLD = Turbocharged intercooled lean burn draw-thru
- LTD = Lean combustion turbulence draw-thru
- EPA = United States Environmental Protection Agency (EPA) certified
- SE = Turbocharged intercooled draw-thru with ESM

DISPLACEMENT

Enginator Model	cu. in.	litres	cyl.
275GL			
16V275GL+	17398	285	16
12V275GL+	13048	214	12
VHP			
VHP9504	9388	154	16
VHP7104	7040	116	12
VHP5904	5788	95	12
VHP3604	3520	58	6
VGF			
VGF48	2924	48	16
VGF36	2193	36	12
VGF24	1462	24	8
VGF18	1096	18	6

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