

Waukesha

Power Ratings



Mechanical Drives

Waukesha* Natural Gas Fueled Engines (Continuous Duty)

275GL*+				750 rpm	800 rpm	900 rpm	1000 rpm
Model	Disp.	Bore & Stroke	C.R.	bhp kWb	bhp kWb	bhp kWb	bhp kWb
16V 275GL+	17,398 in ³ (285 L)	10.83 x 11.81" (275 x 300 mm)	9:1	3750 ⁶ 2796 ⁶	4000 ⁶ 2983 ⁶	4500 ⁶ 3356 ⁶	5000 ⁶ 3729 ⁶
12V 275GL+	13,048 in ³ (213.9 L)	10.83 x 11.81" (275 x 300 mm)	9:1	2812 ⁶ 2097 ⁶	3000 ⁶ 2237 ⁶	3375 ⁶ 2517 ⁶	3750 ⁶ 2796 ⁶

VHP*				800 rpm	900 rpm	1000 rpm	1200 rpm
Model	Disp.	Bore & Stroke	C.R.	bhp kWb	bhp kWb	bhp kWb	bhp kWb
P9394GSI S5	9388 in ³ (153.9 L)	9.375 x 8.5" (238 x 216 mm)	9.7:1	— —	1875 1398	2083 1554	2500 1864
L7044GSI S5	7040 in ³ (115.4 L)	9.375 x 8.5" (238 x 216 mm)	9.7:1	— —	1425 1063	1583 1181	1900 1417
L7044GSI			8:1	1120 ¹ 835 ¹	1260 ¹ 940 ¹	1400 ¹ 1044 ¹	1680 ¹ 1253 ¹
L7042GSI S5			9.7:1	— —	1125 839	1250 932	1500 1119
L7042GSI S4			8:1	987 ¹ 736 ¹	1110 ¹ 828 ¹	1233 ¹ 920 ¹	1480 ¹ 1104 ¹
L7044G			8:1	— —	690 515	767 572	920 686
L5794GSI	5788 in ³ (94.9 L)	8.5 x 8.5" (216 x 216 mm)	8.2:1	920 ¹ 686 ¹	1035 ¹ 772 ¹	1150 ¹ 858 ¹	1380 ¹ 1029 ¹
L5794LT			10.2:1	614 ⁵ 458 ⁵	1005 ⁵ 749 ⁵	1208 901	1450 1081
L5774LT			10.2:1	614 ⁵ 458 ⁵	934 ⁵ 696 ⁵	1067 795	1280 954
F3524GSI	3520 in ³ (57.7 L)	9.375 x 8.5" (238 x 216 mm)	8:1	560 ¹ 418 ¹	630 ¹ 470 ¹	700 ¹ 522 ¹	840 ¹ 626 ¹
F3514GSI			8:1	493 ¹ 368 ¹	555 ¹ 414 ¹	617 ¹ 460 ¹	740 ¹ 552 ¹
F3524G			8:1	— —	345 257	383 286	460 343

VGF*				1200 rpm	1400 rpm	1500 rpm	1600 rpm	1800 rpm
Model	Disp.	Bore & Stroke	C.R.	bhp kWb	bhp kWb	bhp kWb	bhp kWb	bhp kWb
P48GSI/GSID	2924 in ³ (48 L)	5.98 x 6.5" (152 x 165 mm)	8.6:1	— —	830 620	885 660	945 705	1065 800
P48GL/GLD			11:1	710 ⁴ 530 ⁴	830 ⁴ 620 ⁴	885 ⁴ 660 ⁴	945 ⁴ 705 ⁴	1065 ⁴ 800 ⁴
P48GL			8.7:1	— —	830 620	885 660	945 705	1065 800
P48GL/GLD			11:1	— —	910 ³ 680 ³	975 ³ 730 ³	1040 ³ 775 ³	1175 ³ 880 ³
L36GSI/GSID	2193 in ³ (36 L)	5.98 x 6.5" (152 x 165 mm)	8.6:1	— —	620 460	670 500	710 530	800 600
L36GL/GLD			11:1	— —	620 460	670 500	710 530	800 600
L36GL			8.7:1	— —	620 460	670 500	710 530	800 600
L36GL/GLD			11:1	— —	685 ³ 510 ³	735 ³ 550 ³	780 ³ 580 ³	880 ³ 660 ³
H24SE	1462 in ³ (24 L)	5.98 x 6.5" (152 x 165 mm)	8.6:1	— —	415 310	445 330	475 355	530 400
H24GL/GLD			11:1	355 ⁴ 265 ⁴	415 ⁴ 310 ⁴	445 ⁴ 330 ⁴	475 ⁴ 355 ⁴	530 ⁴ 400 ⁴
H24GL			8.7:1	— —	415 310	445 330	475 355	530 400
H24GL/GLD			11:1	— —	455 ³ 340 ³	490 ³ 365 ³	520 ³ 390 ³	585 ³ 440 ³
H24G			11:1	215 160	250 186	265 198	285 213	320 239
F18SE	1096 in ³ (18 L)	5.98 x 6.5" (152 x 165 mm)	8.6:1	— —	310 230	335 250	355 265	400 300
F18GL/GLD			11:1	— —	310 230	335 250	355 265	400 300
F18GL			8.7:1	— —	310 230	335 250	355 265	400 300
F18GL/GLD			11:1	— —	340 ³ 255 ³	365 ³ 275 ³	390 ³ 290 ³	440 ³ 330 ³
F18G			11:1	160 119	185 138	200 149	215 160	240 179

Notes:

- All ratings are at an intercooler water temperature of 130°F (54.4°C).
- LFPS available on L5794LT engine for power generation applications only.

ISO Standard Power (Continuous Power Rating): The highest load and speed which can be applied 24 hours per day, seven days per week, 365 days per year except for normal maintenance. It is permissible to operate the engine at up to 10% overload for two hours in every 24 hour period.

Mechanical Drives

Waukesha Natural Gas Fueled Engines (Intermittent Duty)

VGF				1200 rpm	1400 rpm	1500 rpm	1600 rpm	1800 rpm
Model	Disp.	Bore & Stroke	C.R.	bhp kWb	bhp kWb	bhp kWb	bhp kWb	bhp kWb
P48GSI/GSID	2924 in ³ (48 L)	5.98 x 6.5" (152 x 165 mm)	8.6:1	--	910 680	975 730	1040 775	1175 880
P48GL/GLD			11:1	785 ⁴ 585 ⁴	910 ⁴ 680 ⁴	975 ⁴ 730 ⁴	1040 ⁴ 775 ⁴	1175 ⁴ 880 ⁴
P48GL			8.7:1	--	910 680	975 730	1040 775	1175 880
L36GSI/GSID	2193 in ³ (36 L)	5.98 x 6.5" (152 x 165 mm)	8.6:1	--	685 510	735 550	780 580	880 660
L36GL/GLD			11:1	--	685 510	735 550	780 580	880 660
L36GL			8.7:1	--	685 510	735 550	780 580	880 660
H24SE	1462 in ³ (24 L)	5.98 x 6.5" (152 x 165 mm)	8.6:1	--	455 340	490 365	520 390	585 440
H24GL/GLD			11:1	395 ⁴ 290 ⁴	455 ⁴ 340 ⁴	490 ⁴ 365 ⁴	520 ⁴ 390 ⁴	585 ⁴ 440 ⁴
H24GL			8.7:1	--	455 340	490 365	520 390	585 440
H24G			11:1	240 180	275 205	295 220	315 235	355 265
F18SE	1096 in ³ (18 L)	5.98 x 6.5" (152 x 165 mm)	8.6:1	--	340 255	365 275	390 290	440 330
F18GL/GLD			11:1	--	340 255	365 275	390 290	440 330
F18GL			8.7:1	--	340 255	365 275	390 290	440 330
F18G			11:1	180 130	205 155	220 165	240 180	265 195

Power Units

Mounted Radiator

VGF				1400 rpm	1500 rpm	1600 rpm	1800 rpm
Model	Disp.	Bore & Stroke		bhp kWb	bhp kWb	bhp kWb	bhp kWb
<u>Continuous Duty</u>							
H24	2924 in ³ (48 L)	5.98 x 6.5" (152 x 165 mm)		401 299	428 319	454 339	505 377
F18	1096 in ³ (18 L)	5.98 x 6.5" (152 x 165 mm)		300 224	320 239	340 254	379 283
<u>Intermittent Duty</u>							
H24	2924 in ³ (48 L)	5.98 x 6.5" (152 x 165 mm)		443 330	472 352	502 374	560 418
F18	1096 in ³ (18 L)	5.98 x 6.5" (152 x 165 mm)		330 246	353 263	376 280	418 312

Notes:

- Power Units include engine and radiator mounted to a common skid with a suction fan.
- Ratings include deduct for radiator fan power.
- Power Units are available in GLU, GLDU, and SEU models, refer to the pricebook for more information.

Intermittent Power Rating: The highest load and speed that can be applied in variable speed mechanical system applications only. Operation at this rating is limited to a maximum of 3500 hours per year.

All ratings are at an intercooler water temperature of 130°F (54.4°C).

- 1) Engine available with Low Fuel Pressure System (LFPS) with the same ratings. Refer to Technical Data for LFPS ambient and altitude adjustments.
- 3) These power ratings require pricebook option Code 1100 (176 BMEP). They are available continuously when applied per WK1* Power and Timing Curve S7079-19. It is permissible to operate at up to 5% overload for two hours in each 24 hour period.
- 4) Inline engine ratings are 1200 - 1400 rpm for low speed turbocharger operation and 1400 - 1800 rpm for high speed turbocharger operation. Vee engine ratings are 1100 - 1600 rpm for low speed turbocharger operation and 1400 - 1800 rpm for high speed turbocharger operation.
- 5) No overload allowed
- 6) Requires corresponding 1080 option code, no overload allowed

