



General Engine Data ⁵													
Type	V-type 4-cycle				Flywheel housing			SAE #0					
Number of cylinders	12				Flywheel			SAE #18					
Aspiration	Charge Cooled Forced Induction				Dry Weight	Fan to Flywheel		lb	kg	7432	3371		
Firing Order	1 - 8 - 5 - 10 - 3 - 7 - 6 - 11 - 2 - 9 - 4 - 12					Radiator to Flywheel		lb	kg	8724	3957		
Rotation Viewed from Flywheel	Counter-Clockwise				Wet Weight	Fan to Flywheel		lb	kg	7894	3581		
Bore	in	mm	5.91	150		Radiator to Flywheel		lb	kg	9412	4269		
Stroke	in	mm	7.28	185	CG From Rear Face of Flywheel Housing			in	mm	38.1	969		
Displacement	in ³	L	2394	39.2	CG Above Crank Centerline			in	mm	7.0	179		
Compression Ratio	10.5 : 1				Oil Specification			SAE 15W-40 Low Ash Gas engine oil Ash content 0.25 - 0.5% by weight					
Exhaust Manifold Type	Water Cooled				Engine Oil Capacity		Min	qts	L	127	120		
Turbo Exhaust Outlet Pipe Size	in	mm	3.5	89			Max	qts	L	154	146		
Catalyst Inlet Size (O.D)	in	mm	5	124	ECU Oil Pressure Warning ⁶			psi	bar	57	3.9		
Catalyst Dp	in-H ₂ O	kPa	33	8.3	ECU Oil Pressure Shut Down ⁶			psi	bar	47	3.2		
Maximum Allowable Exhaust Back Pressure	in-Hg	kPa	3.8	13	Oil Pressure at 1000 RPM (Idle)		Min	psi	bar	59	4.1		
Maximum Fuel System Pressure ⁸	psi	kPag	29	200			Max	psi	bar	82	5.7		
Maximum Operating pressure to MFG	in-H ₂ O	kPa	30	7.5	Max Allowable Oil Temperature			°F	°C	250	121		
Minimum Operating pressure to MFG	in-H ₂ O	kPa	20	5.0	Coolant Capacity (Engine only)			gal	L	20	76		
Minimum Gas Supply Pipe Size ¹³	in	mm	3	76	Coolant Capacity (Radiator only)			gal	L	25	96		
Maximum Pressure Drop Across CAC	psi	kPa	1.5	10.3	Radiator Weight (Dry)			lb	kg	1292	586		
Maximum Allowable Intake Restriction	Clean Air Filter	in-H ₂ O	kPa	5.2	1.3	Thermostat Operating Temperature Range ⁹		Cracking	°F	°C	176	80	
	Dirty Air Filter	in-H ₂ O	kPa	14.9	3.7			Full Open	°F	°C	198	92	
Spark Plug Part Number	Denso GK3-5				ECU Coolant Temp Warning			°F	°C	219	104		
Standard Spark Plug Gap ¹⁰	in	mm	0.012	0.3	ECU Coolant Temp Shutdown			°F	°C	230	110		
Spark Plug Coil - Primary Resistance	Ohms		0.59Ω ± 10%		Maximum Radiator Cooling Air Temp			°F	°C	140	60		
Battery Voltage	Volts				24		Max External Coolant Friction Head			psi	kPa	9	60
Starter Motor Power (2X starters)	HP	kW	13.4	10	CAC Rise Above Ambient Specified			°F	°C	15	8.3		

Performance Data 60Hz ^{3,5}											
Nominal Engine Speed	RPM	1800		Total Engine Coolant Flow			gal/min	L/min	459	1736	
Mean Piston Speed	ft/min	m/s	2185	11.1	Cooling Fan Power ¹¹			HP	kW	54	40
Steady-State RPM Range - ISO 8528-5 G3	RPM	1791 - 1809		Cooling Fan Speed			RPM		1206		
Charging Alternator Voltage	Volts	28		Cooling Fan Air Flow ¹¹			SCFM	m ³ /min	52000	1472	
Charging Alternator Current	Amps	55									

Standby 60Hz Natural Gas	Load		100%		75%		50%		25%	
	HP	kWm	1234	920	925	690	617	460	308	230
Power Rating ^{1,2,3,4} Per ISO 3046	HP	kWm	1234	920	925	690	617	460	308	230
Brake Mean Effective Pressure	psi	bar	227	15.6	170	11.7	113	7.8	57	3.9
Fuel Consumption ^{3,4,7,12}	lb/hr	kg/hr	452	205	336	152	242	110	155	70
	ft ³ /hr	m ³ /hr	10109	286	7503	212	5410	153	3468	98
Brake Specific Fuel Consumption	lb/(hp-hr)	g/(kW-hr)	0.367	223	0.363	221	0.393	239	0.503	306
Turbine Outlet Temperature	°F	°C	1238	670	1185	640	1131	611	1077	581
Exhaust Flow at Turbine Outlet Conditions (entire engine)	lb/hr	kg/hr	7755	3518	5916	2684	4203	1907	2599	1179
	ACFM	m ³ /min	5420	153	4021	114	2777	79	1668	47
Air Induction System ⁵										
Combustion Air required (entire engine)	lb/hr	kg/hr	7302	3312	5580	2531	3961	1797	2444	1109
	ACFM	m ³ /min	1676	47	1281	36	909	26	561	16
Compressor Outlet Temperature ²	°F	°C	277	136	247	119	225	107	153	67
Thermal Balance ⁵										
Total Fuel	BTU/min	kW	154098	2710	115643	2034	82411	1449	54400	957
Mechanical Power	BTU/min	kW	52319	920	39240	690	26160	460	13080	230
Heat Rejected to Cooling Water	BTU/min	kW	43684	768	36018	633	28352	499	20686	364
Heat Rejected to CAC	BTU/min	kW	5977	105	3992	70	2242	39	728	13
Heat Rejection to Exhaust	BTU/min	kW	42017	739	29184	513	19192	337	12041	212
Engine Radiated Heat	BTU/min	kW	10101	178	7210	127	6465	114	7866	138

1: Max load and overload ratings based on ISO 3046 gross flywheel power. For additional information on ratings and duty cycles see PSI Power Systems Technical Spec #56100017 - Engine Ratings Guidelines

2: Technical data based on ISO 3046-1 standards of 77°F(25°C), barometric pressure 14.5Psia (100kPa) and 30% relative humidity.

3: Production tolerances in engines and installed components can account for power variations of ± 5%. Altitude, temperature and excessive exhaust and intake restrictions should be applied to power calculations.

4: All fuel and thermal calculations unless otherwise noted are done at ISO 3046 rated load using LHV for NG of 48.17 MJ/kg.

5: All values in the following section are provided for informational purpose only and are non-binding.

6: >1400RPM.

7: See PSI Power Systems Technical Spec. 56100019 - Fuel Standard.

8: Maximum pressure the fuel system components can withstand without being damaged. Operating pressure should fall between the listed minimum and maximum pressures.

9: ± 2 degrees Celsius.

10: ± 0.002" or 0.05mm.

11: At 0.5 in-H₂O of Package Restriction at STP.

12: Volume calculated using density of 0.717 kg/m³ for NG, 0.51 kg/L for LPG

13: See 56100051 - MFG Fuel System Setup Guide



General Engine Data ⁵												
Type	V-type 4-cycle				Flywheel housing				SAE #0			
Number of cylinders	12				Flywheel				SAE #18			
Aspiration	Charge Cooled Forced Induction				Dry Weight	Fan to Flywheel		lb	kg	7432	3371	
Firing Order	1 - 8 - 5 - 10 - 3 - 7 - 6 - 11 - 2 - 9 - 4 - 12					Radiator to Flywheel		lb	kg	8724	3957	
Rotation Viewed from Flywheel	Counter-Clockwise				Wet Weight	Fan to Flywheel		lb	kg	7894	3581	
Bore	in	mm	5.91	150		Radiator to Flywheel		lb	kg	9412	4269	
Stroke	in	mm	7.28	185	CG From Rear Face of Flywheel Housing				in	mm	38.1	969
Displacement	in ³	L	2394	39.2	CG Above Crank Centerline				in	mm	7.0	179
Compression Ratio	10.5 : 1				Oil Specification				SAE 15W-40 Low Ash Gas engine oil Ash content 0.25 - 0.5% by weight			
Exhaust Manifold Type	Water Cooled				Engine Oil Capacity		Min	qts	L	127	120	
Turbo Exhaust Outlet Pipe Size	in	mm	3.5	89			Max	qts	L	154	146	
Catalyst Inlet Size (O.D)	in	mm	5	124	ECU Oil Pressure Warning ⁶		psi	bar	57	3.9		
Catalyst Dp	in-H ₂ O	kPa	33	8.3	ECU Oil Pressure Shut Down ⁶		psi	bar	47	3.2		
Maximum Allowable Exhaust Back Pressure	in-Hg	kPa	3.8	13	Oil Pressure at		Min	psi	bar	59	4.1	
Maximum Fuel System Pressure ⁸	psi	kPag	29	200	1000 RPM (Idle)		Max	psi	bar	82	5.7	
Maximum Operating pressure to MFG	in-H ₂ O	kPa	30	7.5	Max Allowable Oil Temperature				°F	°C	250	121
Minimum Operating pressure to MFG	in-H ₂ O	kPa	20	5.0	Coolant Capacity (Engine only)		gal	L	20	76		
Minimum Gas Supply Pipe Size ¹³	in	mm	3	76	Coolant Capacity (Radiator only)		gal	L	25	96		
Maximum Pressure Drop Across CAC	psi	kPa	1.5	10.3	Radiator Weight (Dry)		lb	kg	1292	586		
Maximum Allowable Intake Restriction	Clean Air Filter	in-H ₂ O	kPa	5.2	1.3	Thermostat Operating Temperature Range ⁹		Cracking	°F	°C	176	80
	Dirty Air Filter	in-H ₂ O	kPa	14.9	3.7	Full Open		°F	°C	198	92	
Spark Plug Part Number	Denso GK3-5				ECU Coolant Temp Warning		°F	°C	219	104		
Standard Spark Plug Gap ¹⁰	in	mm	0.012	0.3	ECU Coolant Temp Shutdown		°F	°C	230	110		
Spark Plug Coil - Primary Resistance	Ohms		0.59Ω ± 10%		Maximum Radiator Cooling Air Temp		°F	°C	140	60		
Battery Voltage	Volts				24		Max External Coolant Friction Head		psi	kPa	9	60
Starter Motor Power (2X starters)	HP	kW	13.4	10	CAC Rise Above Ambient Specified		°F	°C	15	8.3		

Performance Data 50Hz ^{3,5}												
Nominal Engine Speed	RPM				1500		Total Engine Coolant Flow		gal/min	L/min	460	1743
Mean Piston Speed	ft/min	m/s	1821	9.3	Cooling Fan Power ¹¹		HP	kW	62	46		
Steady-State RPM Range - ISO 8528-5 G3	RPM				1493 - 1508		Cooling Fan Speed		RPM		1005	
Charging Alternator Voltage	Volts				28		Cooling Fan Air Flow ¹¹		SCFM	m ³ /min	56080	1588
Charging Alternator Current	Amps				53							

Standby 50Hz Natural Gas	Load		100%		75%		50%		25%	
	HP	kWm	992	740	744	555	496	370	248	185
Power Rating ^{1,2,3,4} Per ISO 3046	HP	kWm	992	740	744	555	496	370	248	185
Brake Mean Effective Pressure	psi	bar	219	15.1	164	11.3	109	7.5	55	3.8
Fuel Consumption ^{3,4,7,12}	lb/hr	kg/hr	347	158	262	119	192	87	121	55
	ft ³ /hr	m ³ /hr	7762	220	5859	166	4296	122	2709	77
Brake Specific Fuel Consumption	lb/(hp-hr)	g/(kW-hr)	0.350	213	0.352	214	0.388	236	0.489	297
Turbine Outlet Temperature	°F	°C	1183	639	1106	597	1082	583	1065	574
Exhaust Flow at Turbine Outlet Conditions (entire engine)	lb/hr	kg/hr	6043	2741	4630	2100	3320	1506	2097	951
	ACFM	m ³ /min	4102	116	3019	85	2137	61	1337	38
Air Induction System ⁵										
Combustion Air required (entire engine)	lb/hr	kg/hr	5695	2583	4368	1981	3128	1419	1976	896
	ACFM	m ³ /min	1307	37	1003	28	718	20	454	13
Compressor Outlet Temperature ²	°F	°C	250	121	242	117	182	83	127	53
Thermal Balance ⁵										
Total Fuel	BTU/min	kW	118722	2088	90439	1590	64622	1136	41269	726
Mechanical Power	BTU/min	kW	42083	740	31562	555	21042	370	10521	185
Heat Rejected to Cooling Water	BTU/min	kW	35132	618	28966	509	22799	401	16633	292
Heat Rejected to CAC	BTU/min	kW	4054	71	2866	50	1388	24	329	6
Heat Rejection to Exhaust	BTU/min	kW	30027	528	21583	380	14515	255	8824	155
Engine Radiated Heat	BTU/min	kW	7426	131	5462	96	4877	86	4962	87

1: Max load and overload ratings based on ISO 3046 gross flywheel power. For additional information on ratings and duty cycles see PSI Power Systems Technical Spec #56100017 - Engine Ratings Guidelines

2: Technical data based on ISO 3046-1 standards of 77°F(25°C), barometric pressure 14.5Psia (100kPa) and 30% relative humidity.

3: Production tolerances in engines and installed components can account for power variations of ± 5%. Altitude, temperature and excessive exhaust and intake restrictions should be applied to power calculations.

4: All fuel and thermal calculations unless otherwise noted are done at ISO 3046 rated load using LHV for NG of 48.17 MJ/kg.

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6: >1400RPM.

7: See PSI Power Systems Technical Spec. 56100019 - Fuel Standard.

8: Maximum pressure the fuel system components can withstand without being damaged. Operating pressure should fall between the listed minimum and maximum pressures.

9: ± 2 degrees Celsius.

10: ± 0.002" or 0.05mm.

11: At 0.5 in-H₂O of Package Restriction at STP.

12: Volume calculated using density of 0.717 kg/m³ for NG, 0.51 kg/L for LPG

13: See 56100051 - MFG Fuel System Setup Guide



General Engine Data ⁵													
Type	V-type 4-cycle				Flywheel housing			SAE #0					
Number of cylinders	12				Flywheel			SAE #18					
Aspiration	Charge Cooled Forced Induction				Dry Weight	Fan to Flywheel		lb	kg	7432	3371		
Firing Order	1 - 8 - 5 - 10 - 3 - 7 - 6 - 11 - 2 - 9 - 4 - 12					Radiator to Flywheel		lb	kg	8724	3957		
Rotation Viewed from Flywheel	Counter-Clockwise				Wet Weight	Fan to Flywheel		lb	kg	7894	3581		
Bore	in	mm	5.91	150		Radiator to Flywheel		lb	kg	9412	4269		
Stroke	in	mm	7.28	185	CG From Rear Face of Flywheel Housing			in	mm	38.1	969		
Displacement	in ³	L	2394	39.2	CG Above Crank Centerline			in	mm	7.0	179		
Compression Ratio	10.5 : 1				Oil Specification			SAE 15W-40 Low Ash Gas engine oil Ash content 0.25 - 0.5% by weight					
Exhaust Manifold Type	Water Cooled				Engine Oil Capacity		Min	qts	L	127	120		
Turbo Exhaust Outlet Pipe Size	in	mm	3.5	89			Max	qts	L	154	146		
Catalyst Inlet Size (O.D)	in	mm	5	124	ECU Oil Pressure Warning ⁶			psi	bar	57	3.9		
Catalyst Dp	in-H ₂ O	kPa	33	8.3	ECU Oil Pressure Shut Down ⁶			psi	bar	47	3.2		
Maximum Allowable Exhaust Back Pressure	in-Hg	kPa	3.8	13	Oil Pressure at 1000 RPM (Idle)		Min	psi	bar	59	4.1		
Maximum Fuel System Pressure ⁸	psi	kPag	29	200			Max	psi	bar	82	5.7		
Maximum Operating pressure to MFG	in-H ₂ O	kPa	30	7.5	Max Allowable Oil Temperature			°F	°C	250	121		
Minimum Operating pressure to MFG	in-H ₂ O	kPa	20	5.0	Coolant Capacity (Engine only)		gal	L	20	76			
Minimum Gas Supply Pipe Size ¹³	in	mm	3	76	Coolant Capacity (Radiator only)		gal	L	25	96			
Maximum Pressure Drop Across CAC	psi	kPa	1.5	10.3	Radiator Weight (Dry)			lb	kg	1292	586		
Maximum Allowable Intake Restriction	Clean Air Filter	in-H ₂ O	kPa	5.2	1.3	Thermostat Operating Temperature Range ⁹		Cracking	°F	°C	176	80	
	Dirty Air Filter	in-H ₂ O	kPa	14.9	3.7	Full Open		°F	°C	198	92		
Spark Plug Part Number	Denso GK3-5				ECU Coolant Temp Warning			°F	°C	219	104		
Standard Spark Plug Gap ¹⁰	in	mm	0.012	0.3	ECU Coolant Temp Shutdown			°F	°C	230	110		
Spark Plug Coil - Primary Resistance	Ohms		0.59Ω ± 10%		Maximum Radiator Cooling Air Temp			°F	°C	140	60		
Battery Voltage	Volts				24		Max External Coolant Friction Head			psi	kPa	9	60
Starter Motor Power (2X starters)	HP	kW	13.4	10	CAC Rise Above Ambient Specified			°F	°C	15	8.3		

Performance Data 60Hz ^{3,5}											
Nominal Engine Speed	RPM		1800		Total Engine Coolant Flow			gal/min	L/min	459	1736
Mean Piston Speed	ft/min	m/s	2185	11.1	Cooling Fan Power ¹¹			HP	kW	54	40.0
Steady-State RPM Range - ISO 8528-5 G3	RPM		1791 - 1809		Cooling Fan Speed			RPM		1206	
Charging Alternator Voltage	Volts		28		Cooling Fan Air Flow ¹¹			SCFM	m ³ /min	52000	1472
Charging Alternator Current	Amps		55								

Standby 60Hz LPG	Load		100%		75%		50%		25%	
	HP	kW/m	783	584	587	438	392	292	196	146
Power Rating ^{1,2,3,4} Per ISO 3046	psi	bar	144	9.9	108	7.4	72	5.0	36	2.5
Brake Mean Effective Pressure	lb/hr	kg/hr	352	160	266	121	185	84	123	56
	gal/hr	L/hr	83	313	62	236	43	165	29	109
Fuel Consumption ^{3,4,7,12}	lb/(hp-hr)	g/(kW-hr)	0.449	273	0.453	275	0.473	288	0.626	381
Brake Specific Fuel Consumption	°F	°C	1292	700	1199	648	1118	603	1049	565
Turbine Outlet Temperature	lb/hr	kg/hr	5786	2625	4363	1979	3112	1412	2046	928
Exhaust Flow at Turbine Outlet Conditions (entire engine)	ACFM	m ³ /min	4160	118	2988	85	2042	58	1293	37
Air Induction System⁵										
Combustion Air required (entire engine)	lb/hr	kg/hr	5434	2465	4098	1859	2927	1328	1923	872
	ACFM	m ³ /min	1248	35	941	27	672	19	441	13
Compressor Outlet Temperature ²	°F	°C	255	124	243	117	174	79	124	51
Thermal Balance⁵										
Total Fuel	BTU/min	kW	119825	2107	89725	1578	63603	1118	41458	729
Mechanical Power	BTU/min	kW	33211	584	24909	438	16606	292	8303	146
Heat Rejected to Cooling Water	BTU/min	kW	27735	488	22869	402	18002	317	13136	231
Heat Rejected to CAC	BTU/min	kW	4076	72	2700	47	1450	26	328	6
Heat Rejection to Exhaust	BTU/min	kW	32842	578	22321	392	14238	250	8593	151
Engine Radiated Heat	BTU/min	kW	21960	386	16927	298	13307	234	11098	195

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12: Volume calculated using density of 0.717 kg/m³ for NG, 0.51 kg/L for LPG

13: See 56100051 - MFG Fuel System Setup Guide



General Engine Data ⁵												
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Number of cylinders	12				Flywheel				SAE #18			
Aspiration	Charge Cooled Forced Induction				Dry Weight	Fan to Flywheel		lb	kg	7432	3371	
Firing Order	1 - 8 - 5 - 10 - 3 - 7 - 6 - 11 - 2 - 9 - 4 - 12					Radiator to Flywheel		lb	kg	8724	3957	
Rotation Viewed from Flywheel	Counter-Clockwise				Wet Weight	Fan to Flywheel		lb	kg	7894	3581	
Bore	in	mm	5.91	150		Radiator to Flywheel		lb	kg	9412	4269	
Stroke	in	mm	7.28	185	CG From Rear Face of Flywheel Housing				in	mm	38.1	969
Displacement	in ³	L	2394	39.2	CG Above Crank Centerline				in	mm	7.0	179
Compression Ratio	10.5 : 1				Oil Specification				SAE 15W-40 Low Ash Gas engine oil Ash content 0.25 - 0.5% by weight			
Exhaust Manifold Type	Water Cooled				Engine Oil Capacity		Min	qts	L	127	120	
Turbo Exhaust Outlet Pipe Size	in	mm	3.5	89			Max	qts	L	154	146	
Catalyst Inlet Size (O.D)	in	mm	5	124	ECU Oil Pressure Warning ⁶		psi	bar	57	3.9		
Catalyst Dp	in-H ₂ O	kPa	33	8.3	ECU Oil Pressure Shut Down ⁶		psi	bar	47	3.2		
Maximum Allowable Exhaust Back Pressure	in-Hg	kPa	3.8	13	Oil Pressure at		Min	psi	bar	59	4.1	
Maximum Fuel System Pressure ⁸	psi	kPag	29	200	1000 RPM (Idle)		Max	psi	bar	82	5.7	
Maximum Operating pressure to MFG	in-H ₂ O	kPa	30	7.5	Max Allowable Oil Temperature				°F	°C	250	121
Minimum Operating pressure to MFG	in-H ₂ O	kPa	20	5.0	Coolant Capacity (Engine only)		gal	L	20	76		
Minimum Gas Supply Pipe Size ¹³	in	mm	3	76	Coolant Capacity (Radiator only)		gal	L	25	96		
Maximum Pressure Drop Across CAC	psi	kPa	1.5	10.3	Radiator Weight (Dry)		lb	kg	1292	586		
Maximum Allowable Intake Restriction	Clean Air Filter	in-H ₂ O	kPa	5.2	1.3	Thermostat Operating Temperature Range ⁹		Cracking	°F	°C	176	80
	Dirty Air Filter	in-H ₂ O	kPa	14.9	3.7	Full Open		°F	°C	198	92	
Spark Plug Part Number	Denso GK3-5				ECU Coolant Temp Warning		°F	°C	219	104		
Standard Spark Plug Gap ¹⁰	in	mm	0.012	0.3	ECU Coolant Temp Shutdown		°F	°C	230	110		
Spark Plug Coil - Primary Resistance	Ohms		0.59Ω ± 10%		Maximum Radiator Cooling Air Temp		°F	°C	140	60		
Battery Voltage	Volts				Max External Coolant Friction Head		psi	kPa	9	60		
Starter Motor Power (2X starters)	HP	kW	13.4	10	CAC Rise Above Ambient Specified		°F	°C	15	8.3		

Performance Data 50Hz ^{3,5}												
Nominal Engine Speed	RPM				1500		Total Engine Coolant Flow		gal/min	L/min	460	1743
Mean Piston Speed	ft/min	m/s	1821	9.3	Cooling Fan Power ¹¹		HP	kW	62	46		
Steady-State RPM Range - ISO 8528-5 G3	RPM				1778 - 1823		Cooling Fan Speed		RPM		1005	
Charging Alternator Voltage	Volts				28		Cooling Fan Air Flow ¹¹		SCFM	m ³ /min	56080	1588
Charging Alternator Current	Amps				53							

Standby 50Hz LPG	Load		100%		75%		50%		25%	
	HP	kWm	653	487	490	365	327	244	163	122
Power Rating ^{1,2,3,4} Per ISO 3046	psi	bar	144	9.9	108	7.4	72	5.0	36	2.5
Brake Mean Effective Pressure	lb/hr	kg/hr	265	120	203	92	147	67	97	44
	gal/hr	L/hr	62	235	48	181	35	131	23	87
Fuel Consumption ^{3,4,7,12}	lb/(hp-hr)	g/(kW-hr)	0.405	246	0.415	252	0.450	274	0.597	363
Brake Specific Fuel Consumption	°F	°C	1172	633	1134	612	1080	582	1009	543
Turbine Outlet Temperature	lb/hr	kg/hr	4366	1980	3374	1531	2459	1115	1620	735
Exhaust Flow at Turbine Outlet Conditions (entire engine)	ACFM	m ³ /min	2947	83	2233	63	1580	45	1001	28
	Air Induction System⁵									
Combustion Air required (entire engine)	lb/hr	kg/hr	4102	1860	3171	1438	2312	1049	1523	691
	ACFM	m ³ /min	942	27	728	21	531	15	350	10
Compressor Outlet Temperature ²	°F	°C	240	115	190	88	142	61	109	43
Thermal Balance⁵										
Total Fuel	BTU/min	kW	89959	1582	69000	1213	50048	880	33102	582
Mechanical Power	BTU/min	kW	27695	487	20771	365	13848	244	6924	122
Heat Rejected to Cooling Water	BTU/min	kW	23125	407	19068	335	15010	264	10952	193
Heat Rejected to CAC	BTU/min	kW	2796	49	1510	27	651	11	217	4
Heat Rejection to Exhaust	BTU/min	kW	21662	381	16762	295	11755	207	6643	117
Engine Radiated Heat	BTU/min	kW	14681	258	10889	191	8785	154	8366	147

1: Max load and overload ratings based on ISO 3046 gross flywheel power. For additional information on ratings and duty cycles see PSI Power Systems Technical Spec #56100017 - Engine Ratings Guidelines

2: Technical data based on ISO 3046-1 standards of 77°F(25°C), barometric pressure 14.5Psia (100kPa) and 30% relative humidity.

3: Production tolerances in engines and installed components can account for power variations of ± 5%. Altitude, temperature and excessive exhaust and intake restrictions should be applied to power calculations.

4: All fuel and thermal calculations unless otherwise noted are done at ISO 3046 rated load using LHV for NG of 48.17 MJ/kg.

5: All values in the following section are provided for informational purpose only and are non-binding.

6: >1400RPM.

7: See PSI Power Systems Technical Spec. 56100019 - Fuel Standard.

8: Maximum pressure the fuel system components can withstand without being damaged. Operating pressure should fall between the listed minimum and maximum pressures.

9: ± 2 degrees Celsius.

10: ± 0.002" or 0.05mm.

11: At 0.5 in-H₂O of Package Restriction at STP.

12: Volume calculated using density of 0.717 kg/m³ for NG, 0.51 kg/L for LPG

13: See 56100051 - MFG Fuel System Setup Guide