



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				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	1472.46
Charging Alternator Current	Amps		55							

Prime 60Hz Natural Gas	Load		100%		75%		50%		25%	
	HP	kWm	1110	828	833	621	555	414	278	207
Power Rating ^{1,2,3,4} Per ISO 3046	HP	kWm	1110	828	833	621	555	414	278	207
Brake Mean Effective Pressure	psi	bar	204	14.1	153	10.6	102	7.0	51	3.5
Fuel Consumption ^{3,4,7,12}	lb/hr	kg/hr	399	181	307	139	225	102	146	66
	ft ³ /hr	m ³ /hr	8903	252	6858	194	5016	142	3253	92
Brake Specific Fuel Consumption	lb/(hp-hr)	g/(kW-hr)	0.359	218	0.369	224	0.404	246	0.525	319
Turbine Outlet Temperature	°F	°C	1217	658	1169	631	1120	605	1072	578
Exhaust Flow at Turbine Outlet Conditions (entire engine)	lb/hr	kg/hr	7000	3175	5391	2445	3874	1757	2444	1108
	ACFM	m ³ /min	4838	137	3633	103	2545	72	1564	44
Air Induction System ⁵										
Combustion Air required (entire engine)	lb/hr	kg/hr	6601	2994	5084	2306	3649	1655	2298	1042
	ACFM	m ³ /min	1515	43	1167	33	838	24	528	15
Compressor Outlet Temperature ²	°F	°C	256	124	244	118	215	101	144	62
Thermal Balance ⁵										
Total Fuel	BTU/min	kW	138090	2428	105125	1849	76391	1343	51886	912
Mechanical Power	BTU/min	kW	47088	828	35316	621	23544	414	11772	207
Heat Rejected to Cooling Water	BTU/min	kW	40617	714	33718	593	26819	472	19919	350
Heat Rejected to CAC	BTU/min	kW	5155	91	3442	61	1921	34	590	10
Heat Rejection to Exhaust	BTU/min	kW	36543	643	25888	455	17535	308	11482	202
Engine Radiated Heat	BTU/min	kW	8687	153	6761	119	6573	116	8124	143

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 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 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								

Prime 50Hz Natural Gas	Load		100%		75%		50%		25%	
	HP	kWm	893	666	670	500	662	333	223	167
Power Rating ^{1,2,3,4} Per ISO 3046	HP	kWm	893	666	670	500	662	333	223	167
Brake Mean Effective Pressure	psi	bar	197	13.6	148	10.2	98	6.8	49	3.4
Fuel Consumption ^{3,4,7,12}	lb/hr	kg/hr	290	131	248	112	175	79	116	53
	ft ³ /hr	m ³ /hr	6470	183	5530	157	3900	110	2602	74
Brake Specific Fuel Consumption	lb/(hp-hr)	g/(kW-hr)	0.324	197	0.370	225	0.391	238	0.522	317
Turbine Outlet Temperature	°F	°C	1143	617	1096	591	1080	582	1062	572
Exhaust Flow at Turbine Outlet Conditions (entire engine)	lb/hr	kg/hr	5443	2469	4234	1921	3065	1390	1982	899
	ACFM	m ³ /min	3619	102	2745	78	1970	56	1261	36
Air Induction System ⁵										
Combustion Air required (entire engine)	lb/hr	kg/hr	5154	2338	3987	1808	2890	1311	1865	846
	ACFM	m ³ /min	1183	34	915	26	664	19	428	12
Compressor Outlet Temperature ²	°F	°C	252	122	228	109	168	76	123	51
Thermal Balance ⁵										
Total Fuel	BTU/min	kW	107113	1884	82435	1450	59754	1051	39070	687
Mechanical Power	BTU/min	kW	37875	666	28406	500	18937	333	9469	167
Heat Rejected to Cooling Water	BTU/min	kW	32665	574	27116	477	21566	379	16017	282
Heat Rejected to CAC	BTU/min	kW	3659	64	2421	43	1120	20	273	5
Heat Rejection to Exhaust	BTU/min	kW	26484	466	19318	340	13267	233	8331	146
Engine Radiated Heat	BTU/min	kW	6430	113	5174	91	4863	86	4980	88

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.

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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
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								

Prime 60Hz LPG	Load		100%		75%		50%		25%	
	HP	kWm	705	526	529	395	353	263	176	132
Power Rating ^{1,2,3,4} Per ISO 3046	psi	bar	130	8.9	97	6.7	65	4.5	32	2.2
Brake Mean Effective Pressure	lb/hr	kg/hr	322	146	239	108	172	78	115	52
	gal/hr	L/hr	76	286	56	212	40	153	27	102
Fuel Consumption ^{3,4,7,12}	lb/(hp-hr)	g/(kW-hr)	0.456	277	0.452	275	0.489	297	0.653	397
Brake Specific Fuel Consumption	°F	°C	1254	679	1174	634	1104	595	1043	562
Turbine Outlet Temperature	lb/hr	kg/hr	5205	2361	3970	1801	2887	1310	1948	883
Exhaust Flow at Turbine Outlet Conditions (entire engine)	ACFM	m ³ /min	3667	104	2683	76	1880	53	1227	35
Air Induction System⁵										
Combustion Air required (entire engine)	lb/hr	kg/hr	4883	2215	3732	1693	2715	1231	1832	831
	ACFM	m ³ /min	1121	32	857	24	623	18	421	12
Compressor Outlet Temperature ²	°F	°C	262	128	225	107	160	71	123	51
Thermal Balance⁵										
Total Fuel	BTU/min	kW	107391	1888	81526	1434	58888	1035	39476	694
Mechanical Power	BTU/min	kW	29913	526	22435	395	14957	263	7478	132
Heat Rejected to Cooling Water	BTU/min	kW	25802	454	21419	377	17036	300	12653	222
Heat Rejected to CAC	BTU/min	kW	3514	62	2314	41	1217	21	223	4
Heat Rejection to Exhaust	BTU/min	kW	28371	499	19658	346	12922	227	8165	144
Engine Radiated Heat	BTU/min	kW	19792	348	15701	276	12756	224	10956	193

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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

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Number of cylinders	12				Flywheel				SAE #18			
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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				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							

Prime 50Hz LPG	Load		100%		75%		50%		25%	
	HP	kWm	587	438	441	329	294	219	147	110
Power Rating ^{1,2,3,4} Per ISO 3046	psi	bar	130	8.9	97	6.7	65	4.5	32	2.2
Brake Mean Effective Pressure	lb/hr	kg/hr	242	110	184	84	137	62	91	41
	gal/hr	L/hr	57	215	43	164	32	122	21	81
Fuel Consumption ^{3,4,7,12}	lb/(hp-hr)	g/(kW-hr)	0.411	250	0.419	255	0.468	285	0.621	378
Brake Specific Fuel Consumption	°F	°C	1159	626	1119	604	1067	575	1001	538
Turbine Outlet Temperature	lb/hr	kg/hr	3960	1796	3089	1401	2285	1036	1538	698
Exhaust Flow at Turbine Outlet Conditions (entire engine)	ACFM	m ³ /min	2655	75	2028	57	1458	41	946	27
Air Induction System ⁵										
Combustion Air required (entire engine)	lb/hr	kg/hr	3719	1687	2904	1317	2147	974	1447	656
	ACFM	m ³ /min	854	24	667	19	493	14	332	9
Compressor Outlet Temperature ²	°F	°C	220	105	175	79	134	57	107	42
Thermal Balance ⁵										
Total Fuel	BTU/min	kW	81283	1429	63068	1109	46477	817	31508	554
Mechanical Power	BTU/min	kW	24909	438	18681	329	12454	219	6227	110
Heat Rejected to Cooling Water	BTU/min	kW	21492	378	17843	314	14193	250	10543	185
Heat Rejected to CAC	BTU/min	kW	2227	39	1206	21	530	9	197	3
Heat Rejection to Exhaust	BTU/min	kW	19703	346	15262	268	10735	189	6123	108
Engine Radiated Heat	BTU/min	kW	12952	228	10076	177	8565	151	8418	148

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