



**POWER SOLUTIONS  
INTERNATIONAL**

# 32L

## Natural Gas / LPG

56100023  
Revision 8  
2022-05-04

General Engine Data <sup>5</sup>													
Type		V-Series				Flywheel housing				SAE #0			
Number of cylinders		12				Flywheel				SAE #18			
Aspiration		Charge Cooled Forced Induction				Dry Weight	Fan to Flywheel		lb	kg	6887	3124	
Firing Order		1 - 8 - 5 - 10 - 3 - 7 - 6 - 11 - 2 - 9 - 4 - 12					Radiator to Flywheel		lb	kg	8179	3710	
Rotation Viewed from Flywheel		Counter-Clockwise				Wet Weight	Fan to Flywheel		lb	kg	7383	3349	
Bore		in	mm	5.91	150		Radiator to Flywheel		lb	kg	8901	4038	
Stroke		in	mm	5.91	150	CG From Rear Face of Flywheel Housing				in	mm	37.0	941
Displacement		in <sup>3</sup>	L	1941	31.8	CG Above Crank Centerline				in	mm	0.0	0
Compression Ratio		10.5 : 1				Oil Specification				SAE 15W-40 Low Ash Gas engine oil			
Exhaust Manifold Type		Water Cooled								Ash content 0.25 - 0.5% by weight			
Turbo Exhaust Outlet Pipe Size		in	mm	3.50	88.9	Engine Oil Capacity		Min	qts	L	95	90	
Catalyst Inlet Size (O.D)		in	mm	5.00	127			Max	qts	L	129	122	
Catalyst Dp		in-H <sub>2</sub> O	kPa	20	5.1	ECU Oil Pressure Warning <sup>6</sup>				psi	bar	57	3.9
Maximum Allowable Exhaust Back Pressure		in-Hg	kPa	3.0	10.2	ECU Oil Pressure Shut Down <sup>6</sup>				psi	bar	47	3.2
Maximum Fuel System Pressure <sup>8</sup>		psi	kPa	1	7	Oil Pressure at 1000 RPM (Idle)		Min	psi	bar	74	5.1	
Maximum Operating pressure to EPRs		in-H <sub>2</sub> O	kPa	11	2.7			Max	psi	bar	83	5.7	
Minimum Operating pressure to EPRs		in-H <sub>2</sub> O	kPa	7	1.7	Max Allowable Oil Temperature				°F	°C	250	121
Minimum Gas Supply Pipe Size <sup>5</sup>		in	mm	3	76	Coolant Capacity (Engine only)				gal	L	29	110
Maximum Pressure Drop Across CAC		psi	kPa	1.0	6.9	Coolant Capacity (Radiator only)				gal	L	25	96
Maximum Allowable Intake Restriction	Clean Air Filter	in-H <sub>2</sub> O	kPa	4.8	1.2	Radiator Weight (Dry)				lb	kg	1292	586
	Dirty Air Filter	in-H <sub>2</sub> O	kPa	14.9	3.7	Thermostat Operating Temperature Range <sup>9</sup>				°F	°C	176	80
Spark Plug Part Number		Denso GK3-5						Cracking	°F	°C	198	92	
Standard Spark Plug Gap <sup>10</sup>		in	mm	0.01	0.3			Full Open	°F	°C	219	104	
Spark Plug Coil - Primary Resistance		Ohms 0.59Ω ± 10%				ECU Coolant Temp Warning				°F	°C	230	110
Battery Voltage		Volts 24				ECU Coolant Temp Shutdown				°F	°C	140	60
Starter Motor Power		HP	kW	16.1	12	Maximum Radiator Cooling Air Temp				°F	°C	140	60
						Max External Coolant Friction Head				psi	kPa	7	50
						CAC Rise Above Ambient Specified				°F	°C	15	9
Performance Data 60Hz <sup>3,5</sup>													
Nominal Engine Speed		RPM		1800		Total Engine Coolant Flow				gal/min	L/min	361.3873	1368
Mean Piston Speed		ft/min	m/s	1772	9.0	Cooling Fan Power <sup>11</sup>				HP	kW	32	24.0
Steady-State RPM Range - ISO 8528-5 G3		RPM		1791 - 1809		Cooling Fan Speed				RPM		1050	
Charging Alternator Voltage		Volts		28		Cooling Fan Air Flow <sup>11</sup>				SCFM	m <sup>3</sup> /min	41200.24	1166.65
Charging Alternator Current		Amps		55									
LTP 60Hz Natural Gas		Load		100%		75%		50%		25%			
Power Rating <sup>1,2,3,4</sup> Per ISO 3046		HP	kWm	917	684	688	513	459	342	229	171		
Brake Mean Effective Pressure		psi	bar	208	14.3	156	10.8	104	7.2	52	3.6		
Fuel Consumption <sup>3,4,7,12</sup>		lb/hr	kg/hr	342	155	265	120	193	88	118	54		
		ft <sup>3</sup> /hr	m <sup>3</sup> /hr	7651	217	5931	168	4314	122	2644	75		
Brake Specific Fuel Consumption		lb/(hp-hr)	g/(kW-hr)	0.373	227	0.386	235	0.421	256	0.516	314		
Turbine Outlet Temperature		°F	°C	1167	631	1102	594	1050	566	1004	540		
Exhaust Flow at Turbine Outlet Conditions (entire engine)		lb/hr	kg/hr	6076	2756	4721	2141	3450	1565	2153	977		
		ACFM	m <sup>3</sup> /min	4093	116	3071	87	2181	62	1326	38		
Air Induction System <sup>5</sup>													
Combustion Air required (entire engine)		lb/hr	kg/hr	5734	2601	4456	2021	3256	1477	2035	923		
		ACFM	m <sup>3</sup> /min	1316	37	1023	29	748	21	467	13		
Compressor Outlet Temperature <sup>2</sup>		°F	°C	266	130	247	120	201	94	137	58		
Thermal Balance <sup>5</sup>													
Total Fuel		BTU/min	kW	115938	2039	87872	1545	62427	1098	39605	696		
Mechanical Power		BTU/min	kW	38898	684	29174	513	19449	342	9725	171		
Heat Rejected to Cooling Water		BTU/min	kW	32839	577	27377	481	21727	382	15889	279		
Heat Rejected to CAC		BTU/min	kW	4163	73	2848	50	1455	26	394	7		
Heat Rejection to Exhaust		BTU/min	kW	33107	582	23963	421	16081	283	9461	166		
Engine Radiated Heat		BTU/min	kW	6930	122	4510	79	3716	65	4136	73		

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-H<sub>2</sub>O of Package Restriction at STP.

12: Volume calculated using density of 0.717 kg/m<sup>3</sup> for NG, 0.51 kg/L for LPG



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General Engine Data <sup>5</sup>													
Type		V-Series				Flywheel housing				SAE #0			
Number of cylinders		12				Flywheel				SAE #18			
Aspiration		Charge Cooled Forced Induction				Dry Weight	Fan to Flywheel		lb	kg	6887	3124	
Firing Order		1 - 8 - 5 - 10 - 3 - 7 - 6 - 11 - 2 - 9 - 4 - 12					Radiator to Flywheel		lb	kg	8179	3710	
Rotation Viewed from Flywheel		Counter-Clockwise				Wet Weight	Fan to Flywheel		lb	kg	7383	3349	
Bore		in	mm	5.91	150		Radiator to Flywheel		lb	kg	8901	4038	
Stroke		in	mm	5.91	150	CG From Rear Face of Flywheel Housing				in	mm	37.0	941
Displacement		in <sup>3</sup>	L	1941	31.8	CG Above Crank Centerline				in	mm	0.0	0
Compression Ratio		10.5 : 1				Oil Specification		SAE 15W-40 Low Ash Gas engine oil					
Exhaust Manifold Type		Water Cooled						Ash content 0.25 - 0.5% by weight					
Turbo Exhaust Outlet Pipe Size		in	mm	3.50	88.9	Engine Oil Capacity		Min	qts	L	95	90	
Catalyst Inlet Size (O.D.)		in	mm	5.00	127			Max	qts	L	129	122	
Catalyst Dp		in-H <sub>2</sub> O	kPa	20	5.1	ECU Oil Pressure Warning <sup>6</sup>				psi	bar	57	3.9
Maximum Allowable Exhaust Back Pressure		in-Hg	kPa	3.0	10.2	ECU Oil Pressure Shut Down <sup>6</sup>				psi	bar	47	3.2
Maximum Fuel System Pressure <sup>8</sup>		psi	kPa	1	7	Oil Pressure at 1000 RPM (Idle)		Min	psi	bar	74	5.1	
Maximum Operating pressure to EPRs		in-H <sub>2</sub> O	kPa	11	2.7			Max	psi	bar	83	5.7	
Minimum Operating pressure to EPRs		in-H <sub>2</sub> O	kPa	7	1.7	Max Allowable Oil Temperature				°F	°C	250	121
Minimum Gas Supply Pipe Size <sup>5</sup>		in	mm	3	76	Coolant Capacity (Engine only)				gal	L	29	110
Maximum Pressure Drop Across CAC		psi	kPa	1.0	6.9	Coolant Capacity (Radiator only)				gal	L	25	96
Maximum Allowable Intake Restriction	Clean Air Filter	in-H <sub>2</sub> O	kPa	4.8	1.2	Radiator Weight (Dry)				lb	kg	1292	586
	Dirty Air Filter	in-H <sub>2</sub> O	kPa	14.9	3.7	Thermostat Operating				°F	°C	176	80
Spark Plug Part Number		Denso GK3-5				Temperature Range <sup>9</sup>		Cracking	°F	°C	198	92	
Standard Spark Plug Gap <sup>10</sup>		in	mm	0.01	0.3			Full Open	°F	°C	219	104	
Spark Plug Coil - Primary Resistance		Ohms 0.59Ω ± 10%				ECU Coolant Temp Warning				°F	°C	230	110
Battery Voltage		Volts 24				ECU Coolant Temp Shutdown				°F	°C	140	60
Starter Motor Power		HP	kW	16.1	12	Maximum Radiator Cooling Air Temp				°F	°C	140	60
						Max External Coolant Friction Head				psi	kPa	7	50
						CAC Rise Above Ambient Specified				°F	°C	15	9
Performance Data 50Hz <sup>3,5</sup>													
Nominal Engine Speed		RPM		1500		Total Engine Coolant Flow				gal/min	L/min	297.4577	1126
Mean Piston Speed		ft/min	m/s	1476	7.5	Cooling Fan Power <sup>11</sup>				HP	kW	18.774	14
Steady-State RPM Range - ISO 8528-5 G3		RPM		1778 - 1823		Cooling Fan Speed				RPM		875	
Charging Alternator Voltage		Volts		28		Cooling Fan Air Flow <sup>11</sup>				SCFM	m <sup>3</sup> /min	34300.26	971.266
Charging Alternator Current		Amps		53									
LTP 50Hz Natural Gas		Load		100%		75%		50%		25%			
Power Rating <sup>1,2,3,4</sup> Per ISO 3046		HP	kWm	764	570	573	428	382	285	191	143		
Brake Mean Effective Pressure		psi	bar	208	14.3	156	10.8	104	7.2	52	3.6		
Fuel Consumption <sup>3,4,7,12</sup>		lb/hr	kg/hr	279	127	215	98	158	72	97	44		
		ft <sup>3</sup> /hr	m <sup>3</sup> /hr	6243	177	4813	136	3540	100	2176	62		
Brake Specific Fuel Consumption		lb/(hp-hr)	g/(kW-hr)	0.366	222	0.376	229	0.415	252	0.510	310		
Turbine Outlet Temperature		°F	°C	1067	575	1027	553	984	529	909	487		
Exhaust Flow at Turbine Outlet Conditions (entire engine)		lb/hr	kg/hr	4654	2111	3657	1659	2667	1210	1674	759		
		ACFM	m <sup>3</sup> /min	2970	84	2282	65	1624	46	973	28		
Air Induction System <sup>5</sup>													
Combustion Air required (entire engine)		lb/hr	kg/hr	4374	1984	3442	1561	2509	1138	1576	715		
		ACFM	m <sup>3</sup> /min	1004	28	790	22	576	16	362	10		
Compressor Outlet Temperature <sup>2</sup>		°F	°C	251	122	216	102	167	75	122	50		
Thermal Balance <sup>5</sup>													
Total Fuel		BTU/min	kW	95376	1677	74799	1315	54223	953	33647	592		
Mechanical Power		BTU/min	kW	32415	570	24311	428	16208	285	8104	143		
Heat Rejected to Cooling Water		BTU/min	kW	26392	464	22558	397	18151	319	13170	232		
Heat Rejected to CAC		BTU/min	kW	2956	52	1860	33	806	14	234	4		
Heat Rejection to Exhaust		BTU/min	kW	23866	420	17898	315	12319	217	7129	125		
Engine Radiated Heat		BTU/min	kW	9746	171	8172	144	6740	119	5010	88		

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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.

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12: Volume calculated using density of 0.717 kg/m<sup>3</sup> for NG, 0.51 kg/L for LPG

General Engine Data <sup>5</sup>												
Type		V-Series				Flywheel housing			SAE #0			
Number of cylinders		12				Flywheel			SAE #18			
Aspiration		Charge Cooled Forced Induction				Dry Weight	Fan to Flywheel		lb	kg	6887	3124
Firing Order		1 - 8 - 5 - 10 - 3 - 7 - 6 - 11 - 2 - 9 - 4 - 12					Radiator to Flywheel		lb	kg	8179	3710
Rotation Viewed from Flywheel		Counter-Clockwise				Wet Weight	Fan to Flywheel		lb	kg	7383	3349
Bore		in	mm	5.91	150		Radiator to Flywheel		lb	kg	8901	4038
Stroke		in	mm	5.91	150	CG From Rear Face of Flywheel Housing			in	mm	37.0	941
Displacement		in <sup>3</sup>	L	1941	31.8	CG Above Crank Centerline			in	mm	0.0	0
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										
Turbo Exhaust Outlet Pipe Size		in	mm	3.50	88.9	Engine Oil Capacity		Min	qts	L	95	90
Catalyst Inlet Size (O.D.)		in	mm	5.00	127			Max	qts	L	129	122
Catalyst Dp		in-H <sub>2</sub> O	kPa	20	5.1	ECU Oil Pressure Warning <sup>6</sup>			psi	bar	57	3.9
Maximum Allowable Exhaust Back Pressure		in-Hg	kPa	3.0	10.2	ECU Oil Pressure Shut Down <sup>6</sup>			psi	bar	47	3.2
Maximum Fuel System Pressure <sup>8</sup>		psi	kPa	1	7	Oil Pressure at 1000 RPM (Idle)		Min	psi	bar	74	5.1
Maximum Operating pressure to EPRs		in-H <sub>2</sub> O	kPa	11	2.7			Max	psi	bar	83	5.7
Minimum Operating pressure to EPRs		in-H <sub>2</sub> O	kPa	7	1.7	Max Allowable Oil Temperature			°F	°C	250	121
Minimum Gas Supply Pipe Size <sup>5</sup>		in	mm	3	76	Coolant Capacity (Engine only)			gal	L	29	110
Maximum Pressure Drop Across CAC		psi	kPa	1.0	6.9	Coolant Capacity (Radiator only)			gal	L	25	96
Maximum Allowable Intake Restriction	Clean Air Filter	in-H <sub>2</sub> O	kPa	4.8	1.2	Radiator Weight (Dry)			lb	kg	1292	586
	Dirty Air Filter	in-H <sub>2</sub> O	kPa	14.9	3.7	Thermostat Operating Temperature Range <sup>9</sup>		Cracking	°F	°C	176	80
Spark Plug Part Number		Denso GK3-5						Full Open	°F	°C	198	92
Standard Spark Plug Gap <sup>10</sup>		in	mm	0.01	0.3	ECU Coolant Temp Warning			°F	°C	219	104
Spark Plug Coil - Primary Resistance		Ohms			0.59Ω ± 10%	ECU Coolant Temp Shutdown			°F	°C	230	110
Battery Voltage		Volts			24	Maximum Radiator Cooling Air Temp			°F	°C	140	60
Starter Motor Power		HP	kW	16.1	12	Max External Coolant Friction Head			psi	kPa	7	50
						CAC Rise Above Ambient Specified			°F	°C	15	9
Performance Data 60Hz <sup>3,5</sup>												
Nominal Engine Speed		RPM		1800		Total Engine Coolant Flow			gal/min	L/min	361.3873	1368
Mean Piston Speed		ft/min	m/s	1772	9.0	Cooling Fan Power <sup>11</sup>			HP	kW	32	24.0
Steady-State RPM Range - ISO 8528-5 G3		RPM		1791 - 1809		Cooling Fan Speed			RPM		1050	
Charging Alternator Voltage		Volts		28		Cooling Fan Air Flow <sup>11</sup>			SCFM	m <sup>3</sup> /min	41200.24	1166.65
Charging Alternator Current		Amps		55								
LTP 60Hz LPG		Load		100%		75%		50%		25%		
Power Rating <sup>1,2,3,4</sup> Per ISO 3046		HP	kWm	605	451	454	338	302	226	151	113	
Brake Mean Effective Pressure		psi	bar	137	9.5	103	7.1	69	4.7	34	2.4	
Fuel Consumption <sup>3,4,7,12</sup>		lb/hr	kg/hr	265	120	215	98	145	66	107	48	
		gal/hr	L/hr	62	236	51	191	34	129	25	95	
Brake Specific Fuel Consumption		lb/(hp-hr)	g/(kW-hr)	0.439	267	0.474	289	0.478	291	0.706	429	
Turbine Outlet Temperature		°F	°C	1185	640	1107	597	1050	566	967	519	
Exhaust Flow at Turbine Outlet Conditions (entire engine)		lb/hr	kg/hr	4564	2070	3434	1557	2461	1116	1699	771	
		ACFM	m <sup>3</sup> /min	3102	88	2240	63	1556	44	1024	29	
Air Induction System <sup>5</sup>												
Combustion Air required (entire engine)		lb/hr	kg/hr	4298	1950	3218	1460	2316	1051	1592	722	
		ACFM	m <sup>3</sup> /min	987	28	739	21	532	15	366	10	
Compressor Outlet Temperature <sup>2</sup>		°F	°C	252	122	211	100	159	70	121	50	
Thermal Balance <sup>5</sup>												
Total Fuel		BTU/min	kW	91797	1614	68793	1210	49400	869	34066	599	
Mechanical Power		BTU/min	kW	25648	451	19236	338	12824	226	6412	113	
Heat Rejected to Cooling Water		BTU/min	kW	29862	525	24978	439	19712	347	14068	247	
Heat Rejected to CAC		BTU/min	kW	2903	51	1673	29	690	12	224	4	
Heat Rejection to Exhaust		BTU/min	kW	26558	467	18689	329	12300	216	7391	130	
Engine Radiated Heat		BTU/min	kW	6826	120	4216	74	3874	68	5972	105	

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Bore		in	mm	5.91	150		Radiator to Flywheel		lb	kg	8901	4038	
Stroke		in	mm	5.91	150	CG From Rear Face of Flywheel Housing				in	mm	37.0	941
Displacement		in <sup>3</sup>	L	1941	31.8	CG Above Crank Centerline				in	mm	0.0	0
Compression Ratio		10.5 : 1				Oil Specification				SAE 15W-40 Low Ash Gas engine oil			
Exhaust Manifold Type		Water Cooled								Ash content 0.25 - 0.5% by weight			
Turbo Exhaust Outlet Pipe Size		in	mm	3.50	88.9	Engine Oil Capacity		Min	qts	L	95	90	
Catalyst Inlet Size (O.D)		in	mm	5.00	127			Max	qts	L	129	122	
Catalyst Dp		in-H <sub>2</sub> O	kPa	20	5.1	ECU Oil Pressure Warning <sup>6</sup>				psi	bar	57	3.9
Maximum Allowable Exhaust Back Pressure		in-Hg	kPa	3.0	10.2	ECU Oil Pressure Shut Down <sup>6</sup>				psi	bar	47	3.2
Maximum Fuel System Pressure <sup>8</sup>		psi	kPa	1	7	Oil Pressure at 1000 RPM (Idle)		Min	psi	bar	74	5.1	
Maximum Operating pressure to EPRs		in-H <sub>2</sub> O	kPa	11	2.7			Max	psi	bar	83	5.7	
Minimum Operating pressure to EPRs		in-H <sub>2</sub> O	kPa	7	1.7	Max Allowable Oil Temperature				°F	°C	250	121
Minimum Gas Supply Pipe Size <sup>5</sup>		in	mm	3	76	Coolant Capacity (Engine only)				gal	L	29	110
Maximum Pressure Drop Across CAC		psi	kPa	1.0	6.9	Coolant Capacity (Radiator only)				gal	L	25	96
Maximum Allowable Intake Restriction	Clean Air Filter	in-H <sub>2</sub> O	kPa	4.8	1.2	Radiator Weight (Dry)				lb	kg	1292	586
	Dirty Air Filter	in-H <sub>2</sub> O	kPa	14.9	3.7	Thermostat Operating Temperature Range <sup>9</sup>		Cracking	°F	°C	176	80	
Spark Plug Part Number		Denso GK3-5						Full Open	°F	°C	198	92	
Standard Spark Plug Gap <sup>10</sup>		in	mm	0.01	0.3	ECU Coolant Temp Warning				°F	°C	219	104
Spark Plug Coil - Primary Resistance		Ohms		0.59Ω ± 10%		ECU Coolant Temp Shutdown				°F	°C	230	110
Battery Voltage		Volts		24		Maximum Radiator Cooling Air Temp				°F	°C	140	60
Starter Motor Power		HP	kW	16.1	12	Max External Coolant Friction Head				psi	kPa	7	50
						CAC Rise Above Ambient Specified				°F	°C	15	9
Performance Data 50Hz <sup>3,5</sup>													
Nominal Engine Speed		RPM		1500		Total Engine Coolant Flow				gal/min	L/min	297.4577	1126
Mean Piston Speed		ft/min	m/s	1476	7.5	Cooling Fan Power <sup>11</sup>				HP	kW	18.774	14
Steady-State RPM Range - ISO 8528-5 G3		RPM		1778 - 1823		Cooling Fan Speed				RPM		875	
Charging Alternator Voltage		Volts		28		Cooling Fan Air Flow <sup>11</sup>				SCFM	m <sup>3</sup> /min	34300.26	971.266
Charging Alternator Current		Amps		53									
LTP 50Hz LPG		Load		100%		75%		50%		25%			
Power Rating <sup>1,2,3,4</sup> Per ISO 3046		HP	kWm	516	385	387	289	258	193	129	96		
Brake Mean Effective Pressure		psi	bar	140	9.7	105	7.3	70	4.8	35	2.4		
Fuel Consumption <sup>3,4,7,12</sup>		lb/hr	kg/hr	223	101	173	78	123	56	86	39		
		gal/hr	L/hr	52	198	41	154	29	110	20	76		
Brake Specific Fuel Consumption		lb/(hp-hr)	g/(kW-hr)	0.432	262	0.446	271	0.478	291	0.665	404		
Turbine Outlet Temperature		°F	°C	1144	618	1068	576	1017	547	941	505		
Exhaust Flow at Turbine Outlet Conditions (entire engine)		lb/hr	kg/hr	3773	1712	2762	1253	2029	920	1404	637		
		ACFM	m <sup>3</sup> /min	2511	71	1764	50	1259	36	832	24		
Air Induction System <sup>5</sup>													
Combustion Air required (entire engine)		lb/hr	kg/hr	3551	1611	2589	1174	1905	864	1318	598		
		ACFM	m <sup>3</sup> /min	815	23	594	17	437	12	303	9		
Compressor Outlet Temperature <sup>2</sup>		°F	°C	232	111	179	81	141	60	112	44		
Thermal Balance <sup>5</sup>													
Total Fuel		BTU/min	kW	75911	1335	55387	974	40766	717	27998	492		
Mechanical Power		BTU/min	kW	21895	385	16421	289	10947	193	5474	96		
Heat Rejected to Cooling Water		BTU/min	kW	24637	433	19799	348	16342	287	12305	216		
Heat Rejected to CAC		BTU/min	kW	2118	37	992	17	443	8	132	2		
Heat Rejection to Exhaust		BTU/min	kW	21162	372	14146	249	9800	172	6301	111		
Engine Radiated Heat		BTU/min	kW	6100	107	4029	71	3234	57	3787	67		

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-H<sub>2</sub>O of Package Restriction at STP.

12: Volume calculated using density of 0.717 kg/m<sup>3</sup> for NG, 0.51 kg/L for LPG