



POWER SOLUTIONS
INTERNATIONAL

POWER SYSTEMS PRODUCT GUIDE



WHO IS PSI?

Power Solutions International, Inc. is a leader in the design, engineering and manufacture of emissions-certified, alternative-fuel power systems. PSI provides integrated turnkey solutions to leading global original equipment manufacturers in the industrial and on-road markets. The company's unique in-house design, prototyping, engineering and testing capacities allow PSI to customize clean, high-performance engines that run on a wide variety of fuels, including natural gas, propane, wellhead, biogas, gasoline and diesel.

PSI is at the forefront of innovation, specializing in the development and delivery of comprehensive industrial power solutions. The offerings extend globally, encompassing stationary and mobile power generation systems catering to a variety of needs such as standby, prime, distributed generation, demand response, and co-generation power (CHP) applications. Furthermore, expertise is evident in contributions to mobile industrial sectors, providing tailored solutions for a diverse range of equipment including forklifts, aerial lifts, industrial sweepers, aircraft ground support, arbor care, agricultural machinery, and construction equipment.

Additionally, PSI is in designing and delivering powertrains specifically engineered for Class 3 through Class 7 medium-duty trucks and buses. The focus spans across the North American and Asian markets, meeting the unique requirements of work trucks, school buses, transit buses, terminal tractors, and various other vocational vehicles.

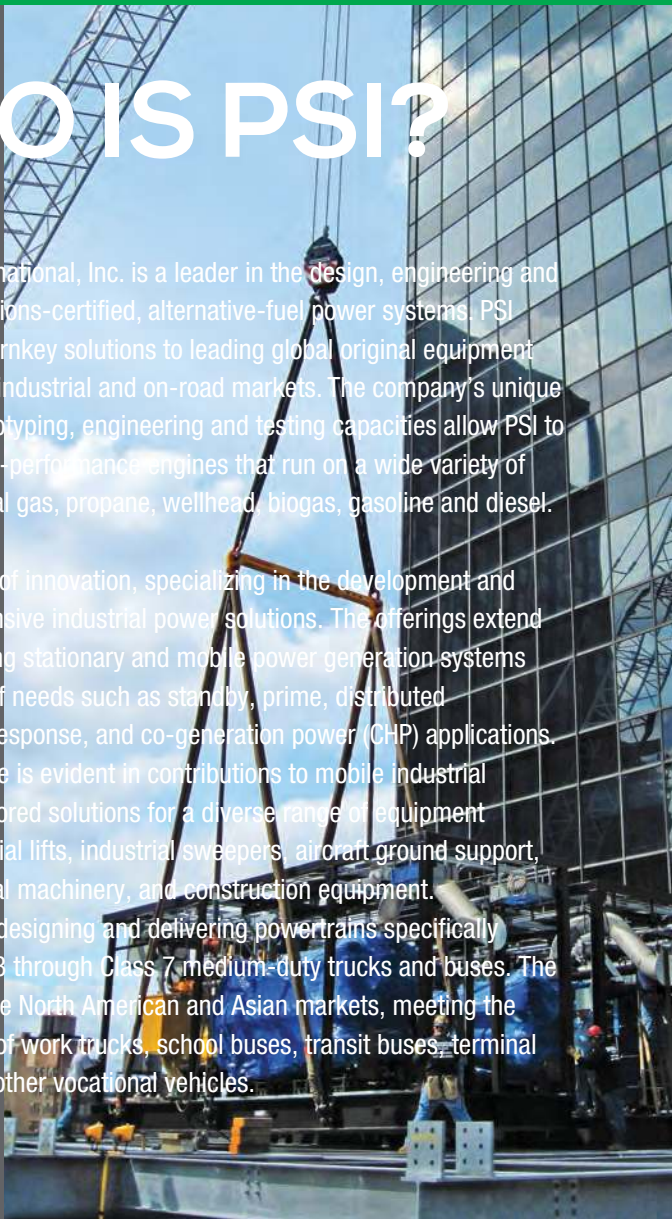




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EMISSIONS REGULATIONS & CERTIFICATIONS

All of our gas engines are U.S. EPA factory certified and are qualified to meet New Source Performance Standards (NSPS) NO_x emissions requirements without the addition of an aftertreatment system. PSI products are capable of compliance with UL2200, NFPA 110, and ISO8528. Should your application or area demand stricter standards, our team can tailor a solution to meet those needs.

What Certifications Do PSI Models Have?

- U.S. EPA-Certified and CARB-Compliant
- UL2200-Compliant or Listed Components
- CSA Certification

EPA certification covers both stationary and non-road applications for constant speed operation on pipeline quality natural gas (CNG/LNG) and propane (LPG). PSI's expanded family of Heavy Duty engines range from 4.5-liters to 53-liters of displacement up to 1.25 MWe of natural gas power."



CUSTOMER SUPPORT

We're committed to expanding your line of defense against power failures. Whether you're adding new units or servicing your existing products, we have a solution to match your application and standards. PSI will help you select the right product for your application and install and maintain your system.

- Customer Support Agreements
- Parts Availability and Parts Stocking Strategy
- Preventative Maintenance Schedules

Technical Support Hotline: 1.888.331.5764

Email: service@psiengines.com

ENGINE RATING GUIDELINES

PSI HEAVY-DUTY TECHNICAL STANDARD 56100017

Standby Power

Capable of supplying emergency power for the duration of a utility power outage. Typical emergency standby power is available for a maximum of 500 hours per year at a maximum average load factor of 70%. The load should be variable and there is no overload (operation above nameplate) available for a standby rated product.

Limited Time Running Power (LTP)

Capable of supplying power to a load for a maximum of 500 hours per year. Typical operation is a varying load up to the full LTP nameplate rating of the engine. There is no overload capability available with a LTP rated engine. Additional operational hours may be available after an application review. Please consult the factory.

Prime Rated Power and Continuous Operating Power

Capable of supplying power to a variable load for an unlimited number of hours per year. Typical operation is a varying load with an average maximum load factor of 70% of the power rating. A 10% overload rating is available for a maximum of one (1) hour in every twelve (12) hours and will not exceed 25 total hours per year.

All Power Solutions International ratings are in accordance with ISO 3046 and ISO 8528. Ratings are based on standard fuel as defined by PSI Energy Technical Standard 56100019 – PSI Energy Fuel Standard.

CONVERSIONS

POWER

$$1 \text{ kW} = 1.36 \text{ metric Hp}$$

$$1 \text{ kW} = 1.341 \text{ bHp}$$

$$1 \text{ bHp} = 1.014 \text{ metric Hp}$$

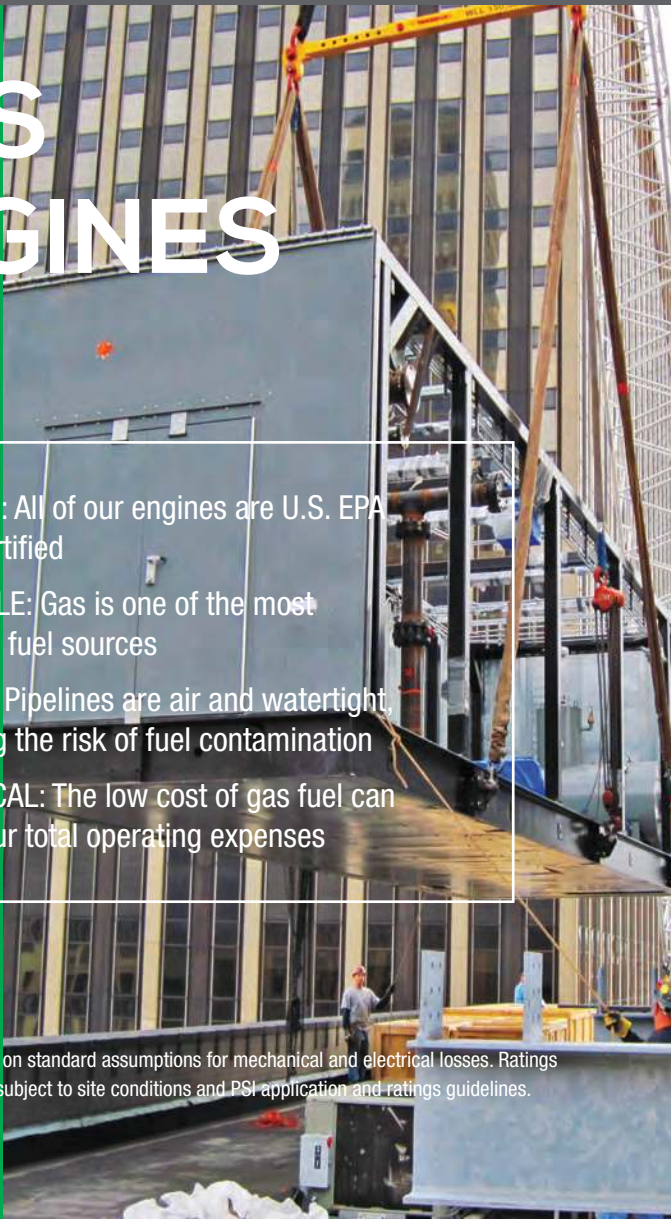
TORQUE

$$1 \text{ Nm} = 0.102 \text{ mkg}$$

$$1 \text{ Nm} = 0.74 \text{ lb-ft}$$

$$\text{Nm} = \text{kW} * 9549/\text{rpm}$$

GAS ENGINES



- **QUALIFIED:** All of our engines are U.S. EPA factory certified
- **ACCESSIBLE:** Gas is one of the most accessible fuel sources
- **RELIABLE:** Pipelines are air and watertight, eliminating the risk of fuel contamination
- **ECONOMICAL:** The low cost of gas fuel can reduce your total operating expenses

kWe values are based on standard assumptions for mechanical and electrical losses. Ratings and performance are subject to site conditions and PSI application and ratings guidelines.

50Hz ENGINES 1500RPM

NATURAL GAS (NG)

PROPANE (LP)

Engine Model	Displacement	Application	kWe	kWm	bHp	kWe	kWm	bHp
PSI 2.4L	2.4	Standby	20	26	35	22	29	39
PSI 4.3L	4.3	Prime	35	43	58	35	45	61
PSI 4.3L	4.3	Standby	40	48	64	40	51	68
PSI 4.5L	4.5	Prime	35	44	60	36	46	62
PSI 4.5L	4.5	Standby	41	45	59	43	47	60
PSI 5.7L	5.7	Prime	50	58	78	50	63	84
PSI 5.7L	5.7	Standby	55	65	87	60	70	94
PSI 5.7L T	5.7	Standby	65	75	101	—	—	—
PSI 5.7L TCAC	5.7	Standby	85	100	134	80	93	124
PSI 6.7L	6.7	Prime	55	66	88	60	72	96
PSI 6.7L	6.7	Standby	58	66	91	64	72	97
PSI 6.7L T	6.7	Prime	90	106	142	85	100	134
PSI 6.7L T	6.7	Standby	100	120	161	85	100	134
PSI 8.1L	8.1	Prime	55	67	90	55	67	90
PSI 8.1L	8.1	Standby	60	74	99	65	74	99
PSI 8.1L T	8.1	Prime	110	131	175	80	92	123
PSI 8.1L T	8.1	Standby	125	145	194	90	102	137
PSI 8.8L	8.8	Prime	75	91	122	85	103	139
PSI 8.8L	8.8	Standby	85	101	135	100	115	154
PSI 8.8L T	8.8	Standby	100	122	164	—	—	—
PSI 8.8L TCAC	8.8	Standby	125	162	217	110	143	192
PSI 10L	9.7	Prime	85	100	137	94	110	149
PSI 10L	9.7	Standby	85	100	137	94	110	149
PSI 10L T	9.7	Prime	180	200	284	135	160	217
PSI 10L T	9.7	Standby	200	230	284	135	160	217
PSI 11L	11.1	Prime	150	180	241	100	121	162
PSI 11L	11.1	Standby	175	200	268	115	134	180
PSI 13L	12.5	Prime	205	230	314	130	150	202
PSI 13L	12.5	Standby	223	250	314	130	150	202
PSI 13L	12.5	Standby H0	250	300	402	175	204	274
PSI 14L	14.6	Prime	210	248	332	130	154	206
PSI 14L	14.6	Standby	240	275	369	150	171	229
PSI 17L	16.7	Prime	275	320	—	—	—	—
PSI 17L	16.7	Standby	275	320	—	—	—	—
PSI 18L	18.3	Standby	270	320	429	200	247	331
PSI 20L	19.6	Prime	365	414	555	225	257	345
PSI 20L	19.6	LTP	365	414	555	225	257	345
PSI 20L	19.6	Standby	400	460	617	250	286	383
PSI 22L	21.9	Prime	280	340	456	210	248	333
PSI 22L	21.9	Standby	320	378	507	220	276	370
PSI 32L	31.8	Prime	450	510	637	300	344	461
PSI 32L	31.8	LTP	500	570	738	325	385	516
PSI 32L	31.8	Standby	525	600	805	350	405	543
PSI 40L	39.2	Prime	875	666	893	375	438	587
PSI 40L	39.2	LTP	650	740	992	425	487	653
PSI 40L	39.2	Standby	650	740	992	425	487	653
PSI 53L	52.8	Prime	775	888	1191	575	670	898
PSI 53L	52.8	LTP	850	987	1324	650	744	998
PSI 53L	52.8	Standby	850	987	1324	650	744	998

60Hz ENGINES 1800RPM

Engine Model	Displacement	Application	NATURAL GAS (NG)			PROPANE (LP)		
			kWe	kWm	bHp	kWe	kWm	bHp
PSI 2.4L	2.4	Standby	25	32	43	30	35	47
PSI 2.4L T	2.4	Standby	40	50	68	40	51	68
PSI 4.3L	4.3	Prime	40	52	70	45	55	74
PSI 4.3L	4.3	Standby	50	58	78	50	61	82
PSI 4.5L	4.5	Prime	40	50	67	40	50	67
PSI 4.5L	4.5	Standby	45	50	67	45	50	67
PSI 5.7L	5.7	Prime	55	70	94	60	76	102
PSI 5.7L	5.7	Standby	60	78	105	70	84	113
PSI 5.7L T	5.7	Standby	80	97	129	—	—	—
PSI 5.7L TCAC	5.7	Standby	100	122	164	90	111	149
PSI 6.7L	6.7	Prime	70	80	107	70	83	111
PSI 6.7L	6.7	Standby	70	80	107	77	88	118
PSI 6.7L T	6.7	Prime	100	120	160	85	99	132
PSI 6.7L T	6.7	Standby	125	145	194	85	99	132
PSI 8.1L	8.1	Prime	75	88	118	75	88	118
PSI 8.1L	8.1	Standby	85	100	134	80	100	134
PSI 8.1L T	8.1	Prime	125	150	201	95	111	148
PSI 8.1L T	8.1	Standby	155	176	236	110	130	174
PSI 8.8L	8.8	Prime	80	109	146	100	124	166
PSI 8.8L	8.8	Standby	100	121	162	115	138	185
PSI 8.8L T	8.8	Standby	125	147	197	—	—	—
PSI 8.8L TCAC	8.8	Standby	150	195	261	130	172	230
PSI 8.8L TCAC	8.8	Standby HO	200	232	268	—	—	—
PSI 10L	9.7	Prime	100	118	158	110	130	174
PSI 10L	9.7	Standby	100	118	158	110	130	174
PSI 10L T	9.7	Prime	170	200	268	140	168	225
PSI 10L T	9.7	Standby	204	236	268	140	168	225
PSI 11L	11.1	Prime	175	200	268	110	132	177
PSI 11L	11.1	Standby	200	235	315	135	155	208
PSI 13L	12.5	Prime	207	240	322	150	180	241
PSI 13L	12.5	Standby	262	299	322	150	180	241
PSI 13L	12.5	Standby HO	300	350	469	150	179	240
PSI 14L	14.6	Prime	250	291	390	175	202	271
PSI 14L	14.6	Standby	300	342	459	200	238	319
PSI 14L	14.6	Standby HO	350	400	536	—	—	—
PSI 17L	16.7	Prime	350	420	550	—	—	—
PSI 17L	16.7	Standby	400	460	550	—	—	—
PSI 18L	18.3	Standby	350	422	566	250	297	398
PSI 20L	19.6	Prime	400	450	603	275	306	410
PSI 20L	19.6	LTP	400	450	603	275	306	410
PSI 20L	19.6	Standby	500	570	764	300	340	456
PSI 22L	21.9	Prime	375	434	581	250	299	401
PSI 22L	21.9	Standby	450	510	684	300	352	472
PSI 22L	21.9	Standby HO	500	570	764	—	—	—
PSI 32L	31.8	Prime	525	600	805	350	403	540
PSI 32L	31.8	LTP	600	684	918	400	451	605
PSI 32L	31.8	Standby	650	720	966	425	475	637
PSI 40L	39.2	Prime	725	828	1110	450	526	705
PSI 40L	39.2	LTP	800	920	1234	500	584	783
PSI 40L	39.2	Standby	800	920	1234	500	584	783
PSI 53L	52.8	Prime	925	1067	1431	700	803	1077
PSI 53L	52.8	LTP	1050	1185	1589	775	892	1196
PSI 53L	52.8	Standby	1050	1185	1589	775	892	1196
PSI 53L	52.8	Standby HO	1250	1436	1924	—	—	—

2.4L

Cylinders	I-4
Induction System	Naturally Aspirated
Combustion System	Spark-Ignited
Cooling System	Water-Cooled
Displacement	143 cid (2,351 cc)
Compression Ratio	9.5:1
Bore & Stroke	3.40 in x 3.93 in (86.5 mm x 100 mm)
Direction of Rotation	Counter-Clockwise Viewed on Flywheel
Dry Weight	260 lbs (118 kg)

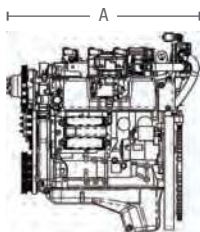


50Hz (1500RPM)

Application	Fuel	kWe	kWm	bHp
Standby	NG	20	26	35
Standby	LP	22	29	39

60Hz (1800RPM)

Application	Fuel	kWe	kWm	bHp
Standby	NG	25	32	43
Standby	LP	30	35	47



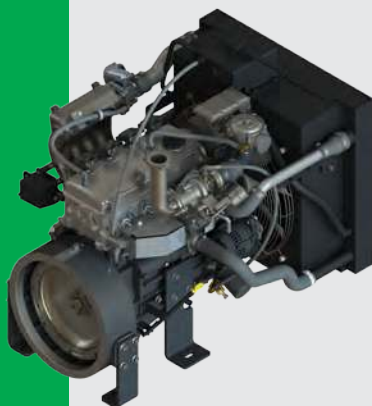
PRODUCT DIMENSIONS

A – 24.8 in (629 mm)

B – 24.6 in (626 mm)

C – 29.2 in (742 mm)

2.4L T



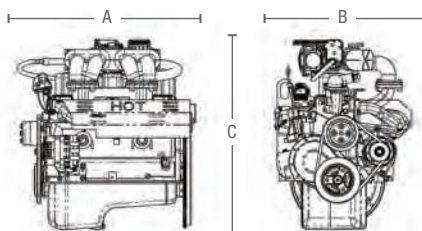
Cylinders	I-4
Induction System	Turbocharged & Air-to-Air Charge Cooled
Combustion System	Spark-Ignited
Cooling System	Water-Cooled
Displacement	143 cid (2,351 cc)
Compression Ratio	9.5:1
Bore & Stroke	3.40 in x 3.93 in (86.5 mm x 100 mm)
Direction of Rotation	Counter-Clockwise Viewed on Flywheel
Dry Weight	308 lbs (140 kg)

50Hz (1500RPM)

Application	Fuel	kWe	kWm	bHp
Standby	NG	24	29	39
Standby	LP	25	31	41

60Hz (1800RPM)

Application	Fuel	kWe	kWm	bHp
Standby	NG	30	35	47
Standby	LP	32	38	51



PRODUCT DIMENSIONS

A – 25.3 in (644 mm)

B – 18.0 in (457 mm)

C – 24.5 in (624 mm)

4.3L

Cylinders	V-6
Induction System	Naturally Aspirated
Combustion System	Spark-Ignited
Cooling System	Water-Cooled
Displacement	262 cid (4,294 cc)
Compression Ratio	9.8:1
Bore & Stroke	4.00 in x 3.48 in (101.6 mm x 88.4 mm)
Direction of Rotation	Counter-Clockwise Viewed on Flywheel
Dry Weight	430 lbs (195 kg)

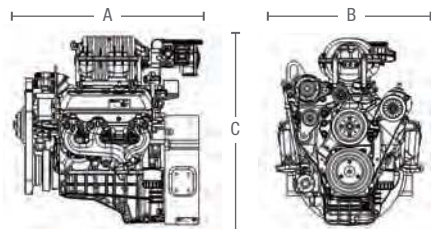


50Hz (1500RPM)

Application	Fuel	kWe	kWm	bHp
Standby	NG	40	48	64
Standby	LP	40	51	68
Prime	NG	35	43	58
Prime	LP	35	45	61

60Hz (1800RPM)

Application	Fuel	kWe	kWm	bHp
Standby	NG	50	58	78
Standby	LP	50	61	82
Prime	NG	40	52	70
Prime	LP	45	55	74



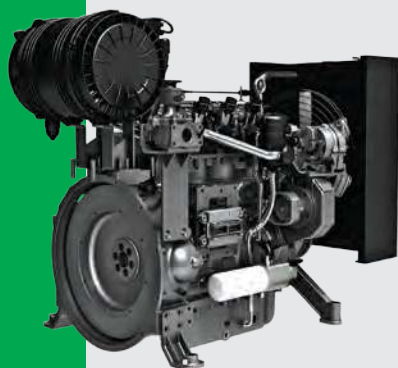
PRODUCT DIMENSIONS

A – 31.1 in (790 mm)

B – 24.1 in (613 mm)

C – 30.9 in (785 mm)

4.5L



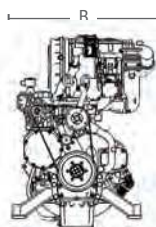
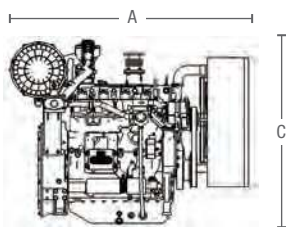
Cylinders	I-4
Induction System	Naturally Aspirated
Combustion System	Spark-Ignited
Cooling System	Water-Cooled
Displacement	274 cid (4,500 cc)
Compression Ratio	9.75:1
Bore & Stroke	4.13 in x 5.12 in (105 mm x 130 mm)
Direction of Rotation	Counter-Clockwise Viewed on Flywheel
Dry Weight	1,102 lbs (500 kg)

50Hz (1500RPM)

Application	Fuel	kWe	kWm	bHp
Standby	NG	41	45	59
Standby	LP	43	47	60
Prime	NG	35	44	60
Prime	LP	36	46	62

60Hz (1800RPM)

Application	Fuel	kWe	kWm	bHp
Standby	NG	45	50	67
Standby	LP	45	50	67
Prime	NG	40	50	67
Prime	LP	40	50	67



PRODUCT DIMENSIONS

A – 56.1 in (1,426 mm)

B – 31.9 in (811 mm)

C – 43.2 in (1,098 mm)

5.7L

Cylinders	V-8
Induction System	Naturally Aspirated
Combustion System	Spark-Ignited
Cooling System	Water-Cooled
Displacement	350 cid (5,737 cc)
Compression Ratio	9.4:1
Bore & Stroke	4.00 in x 3.48 in (101.6 mm x 88.4 mm)
Direction of Rotation	Counter-Clockwise Viewed on Flywheel
Dry Weight	432 lbs (196 kg)

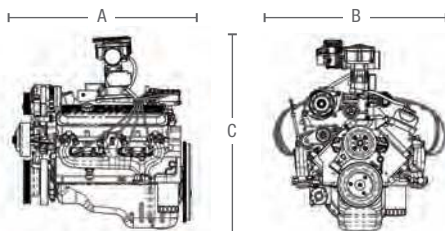


50Hz (1500RPM)

Application	Fuel	kWe	kWm	bHp
Standby	NG	55	65	87
Standby	LP	60	70	94
Prime	NG	50	58	78
Prime	LP	50	63	84

60Hz (1800RPM)

Application	Fuel	kWe	kWm	bHp
Standby	NG	60	78	105
Standby	LP	70	84	113
Prime	NG	55	70	94
Prime	LP	60	76	102



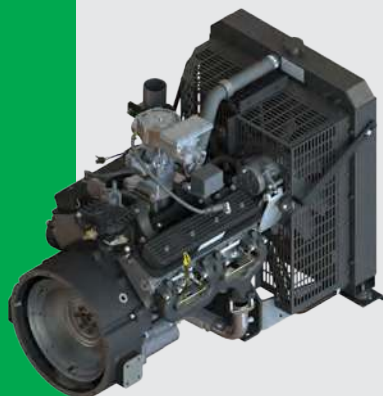
PRODUCT DIMENSIONS

A – 30.4 in (771 mm)

B – 23.7 in (603 mm)

C – 33.7 in (856 mm)

5.7L T/TCAC



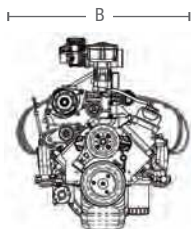
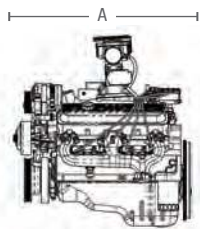
Cylinders	V-8
Induction System	Turbocharged & Air-to-Air Charge Cooled
Combustion System	Spark-Ignited
Cooling System	Water-Cooled
Displacement	350 cid (5,737 cc)
Compression Ratio	9.4:1
Bore & Stroke	4.00 in x 3.48 in (101.6 mm x 88.4 mm)
Direction of Rotation	Counter-Clockwise Viewed on Flywheel
Dry Weight	432 lbs (196 kg)

50Hz (1500RPM)

Application	Fuel	kWe	kWm	bHp
Standby - T	NG	65	75	101
Standby - TCAC	NG	85	100	134
Standby - TCAC	LP	80	93	124

60Hz (1800RPM)

Application	Fuel	kWe	kWm	bHp
Standby - T	NG	80	97	129
Standby - TCAC	NG	100	122	164
Standby - TCAC	LP	90	111	149



PRODUCT DIMENSIONS

A – 30.4 in (771 mm)

B – 23.7 in (603 mm)

C – 33.7 in (856 mm)

6.7L

Cylinders	I-6
Induction System	Naturally Aspirated
Combustion System	Spark-Ignited
Cooling System	Water-Cooled
Displacement	412 cid (6,750 cc)
Compression Ratio	9.8:1
Bore & Stroke	4.13 in x 5.12 in (105 mm x 130 mm)
Direction of Rotation	Counter-Clockwise Viewed on Flywheel
Dry Weight	1,499 lbs (680 kg)

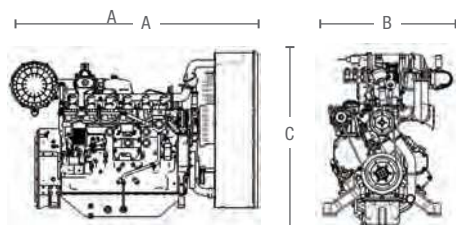


50Hz (1500RPM)

Application	Fuel	kWe	kWm	bHp
Standby	NG	58	66	91
Standby	LP	64	72	97
Prime	NG	55	66	88
Prime	LP	60	72	96

60Hz (1800RPM)

Application	Fuel	kWe	kWm	bHp
Standby	NG	70	80	107
Standby	LP	77	88	118
Prime	NG	70	80	107
Prime	LP	70	83	111



PRODUCT DIMENSIONS

A – 68.0 in (1,728 mm)

B – 33.1 in (840 mm)

C – 45.7 in (1,160 mm)

6.7L T



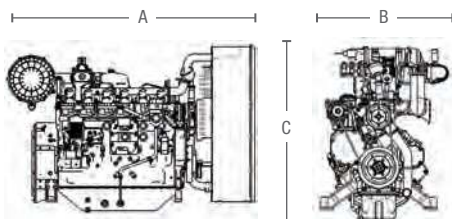
Cylinders	I-6
Induction System	Turbocharged & Air-to-Air Charge Cooled
Combustion System	Spark-Ignited
Cooling System	Water-Cooled
Displacement	412 cid (6,750 cc)
Compression Ratio	9.8:1
Bore & Stroke	4.13 in x 5.12 in (105 mm x 130 mm)
Direction of Rotation	Counter-Clockwise Viewed on Flywheel
Dry Weight	1,499 lbs (680 kg)

50Hz (1500RPM)

Application	Fuel	kWe	kWm	bHp
Standby	NG	100	120	161
Standby	LP	85	100	134
Prime	NG	90	106	142
Prime	LP	85	100	134

60Hz (1800RPM)

Application	Fuel	kWe	kWm	bHp
Standby	NG	125	145	194
Standby	LP	85	99	132
Prime	NG	100	120	160
Prime	LP	85	99	132



PRODUCT DIMENSIONS

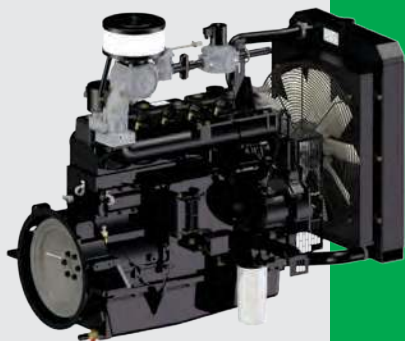
A – 66.1 in (1,679 mm)

B – 32.6 in (828 mm)

C – 45.9 in (1,166 mm)

8.1L

Cylinders	I-6
Induction System	Naturally Aspirated
Combustion System	Spark-Ignited
Cooling System	Water-Cooled
Displacement	492 cid (8,064 cc)
Compression Ratio	10.5:1
Bore & Stroke	4.37 in x 5.47 in (111 mm x 139 mm)
Direction of Rotation	Counter-Clockwise Viewed on Flywheel
Dry Weight	2,200 lbs (998 kg)

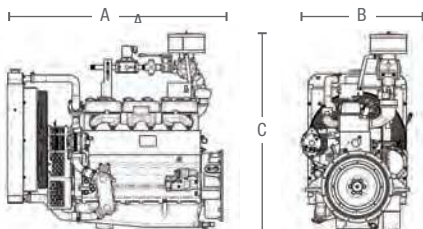


50Hz (1500RPM)

Application	Fuel	kWe	kWm	bHp
Standby	NG	60	74	99
Standby	LP	65	74	99
Prime	NG	55	67	90
Prime	LP	55	67	90

60Hz (1800RPM)

Application	Fuel	kWe	kWm	bHp
Standby	NG	85	100	134
Standby	LP	80	100	134
Prime	NG	75	88	118
Prime	LP	75	88	118



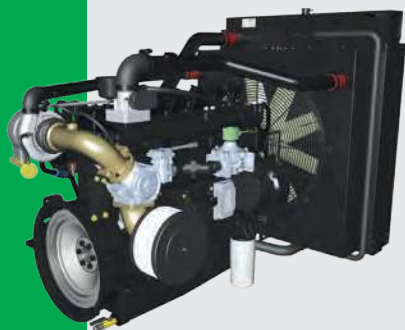
PRODUCT DIMENSIONS

A – 74.5 in (1,893 mm)

B – 43.5 in (1,105 mm)

C – 51.9 in (1,319 mm)

8.1L T



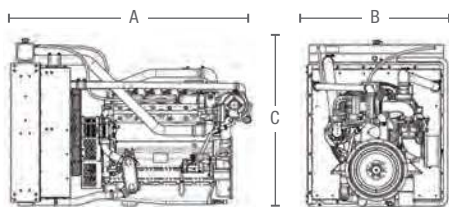
Cylinders	I-6
Induction System	Turbocharged & Air-to-Air Charge Cooled
Combustion System	Spark-Ignited
Cooling System	Water-Cooled
Displacement	492 cid (8,064 cc)
Compression Ratio	10.5:1
Bore & Stroke	4.37 in x 5.47 in (111 mm x 139 mm)
Direction of Rotation	Counter-Clockwise Viewed on Flywheel
Dry Weight	2,200 lbs (998 kg)

50Hz (1500RPM)

Application	Fuel	kWe	kWm	bHp
Standby	NG	125	145	194
Standby	LP	90	102	137
Prime	NG	110	131	175
Prime	LP	80	92	123

60Hz (1800RPM)

Application	Fuel	kWe	kWm	bHp
Standby	NG	155	176	236
Standby	LP	110	130	174
Prime	NG	125	150	201
Prime	LP	95	111	148



PRODUCT DIMENSIONS

A – 74.5 in (1,893 mm)

B – 43.5 in (1,105 mm)

C – 51.9 in (1,319 mm)

8.8L T/TCAC

Cylinders	V-8
Induction System	Naturally Aspirated
Combustion System	Spark-Ignited
Cooling System	Water-Cooled
Displacement	535 cid (8,800 cc)
Compression Ratio	10:1
Bore & Stroke	4.35 in x 4.50 in (110.5 mm x 114.3 mm)
Direction of Rotation	Counter-Clockwise Viewed on Flywheel
Dry Weight	707 lbs (321 kg)

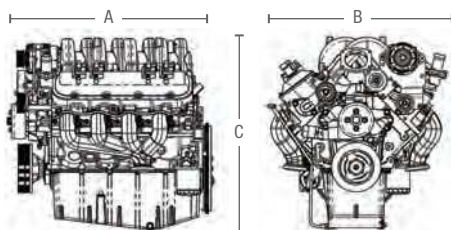


50Hz (1500RPM)

Application	Fuel	kWe	kWm	bHp
Standby	NG	85	101	135
Standby	LP	100	115	154
Prime	NG	75	91	122
Prime	LP	85	103	139

60Hz (1800RPM)

Application	Fuel	kWe	kWm	bHp
Standby	NG	100	121	162
Standby	LP	115	138	185
Prime	NG	80	109	146
Prime	LP	100	124	166



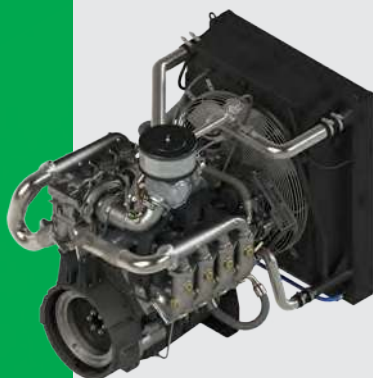
PRODUCT DIMENSIONS

A – 31.9 in (808 mm)

B – 27.5 in (697 mm)

C – 30.1 in (765 mm)

8.8L TCAC HO



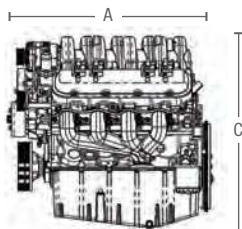
Cylinders	V-8
Induction System	Turbocharged & Air-to-Air Charge Cooled
Combustion System	Spark-Ignited
Cooling System	Water-Cooled
Displacement	535 cid (8,800 cc)
Compression Ratio	10:1
Bore & Stroke	5.91 in x 7.28 in (150 mm x 185 mm)
Direction of Rotation	Counter-Clockwise Viewed on Flywheel
Dry Weight	1218 lbs (552 kg)

50Hz (1500RPM)

Application	Fuel	kWe	kWm	bHp
Standby - T	NG	100	122	164
Standby - TCAC	NG	125	162	217
Standby - TCAC	LP	110	143	192

60Hz (1800RPM)

Application	Fuel	kWe	kWm	bHp
Standby - T	NG	125	147	197
Standby - TCAC	NG	150	195	261
Standby - TCAC HO	NG	200	232	268
Standby - TCAC	LP	130	172	230



PRODUCT DIMENSIONS

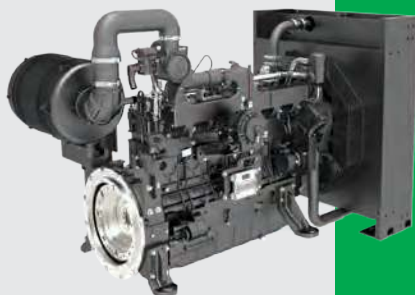
A – 31.9 in (808 mm)

B – 27.5 in (697 mm)

C – 30.1 in (765 mm)

10L

Cylinders	I-6
Induction System	Naturally Aspirated
Combustion System	Spark-Ignited
Cooling System	Water-Cooled
Displacement	593 cid (9,726 cc)
Compression Ratio	9.75:1
Bore & Stroke	5.00 in x 5.10 in (126 mm x 130 mm)
Direction of Rotation	Counter-Clockwise Viewed on Flywheel
Dry Weight	2,359 lbs (1070 kg)

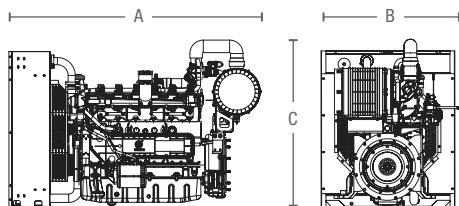


50Hz (1500RPM)

Application	Fuel	kWe	kWm	bHp
Standby	NG	85	100	37
Standby	LP	94	110	149
Prime	NG	85	100	37
Prime	LP	94	110	149

60Hz (1800RPM)

Application	Fuel	kWe	kWm	bHp
Standby	NG	100	118	158
Standby	LP	110	130	174
Prime	NG	100	118	158
Prime	LP	110	130	174



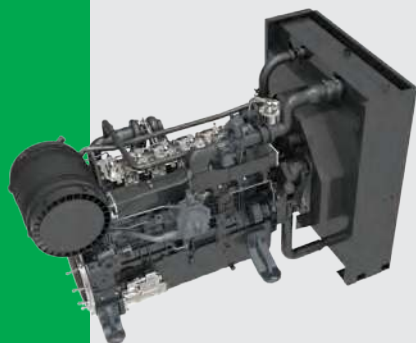
PRODUCT DIMENSIONS

A – 83.5 in (2,122 mm)

B – 43.3 in (1,100 mm)

C – 55.0 in (1396 mm)

10L T



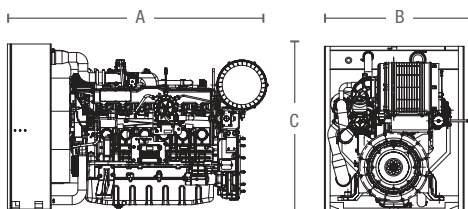
Cylinders	I-6
Induction System	Turbocharged & Air-to-Air Charge Cooled
Combustion System	Spark-Ignited
Cooling System	Water-Cooled
Displacement	593 cid (9,726 cc)
Compression Ratio	9.75:1
Bore & Stroke	5.00 in x 5.10 in (126 mm x 130 mm)
Direction of Rotation	Counter-Clockwise Viewed on Flywheel
Dry Weight	2,601 lbs (1,180 kg)

50Hz (1500RPM)

Application	Fuel	kWe	kWm	bHp
Standby	NG	200	230	284
Standby	LP	135	160	217
Prime	NG	180	200	284
Prime	LP	135	160	217

60Hz (1800RPM)

Application	Fuel	kWe	kWm	bHp
Standby	NG	204	236	268
Standby	LP	140	168	225
Prime	NG	170	200	268
Prime	LP	140	168	225



PRODUCT DIMENSIONS

A – 80.9 in (2,055 mm)

B – 43.3 in (1,100 mm)

C – 50.9 in (1,294 mm)

Cylinders	I-6
Induction System	Turbocharged & Air-to-Air Charge Cooled
Combustion System	Spark-Ignited
Cooling System	Water-Cooled
Displacement	673 cid (11,051 cc)
Compression Ratio	10.5:1
Bore & Stroke	4.84 in x 6.10 in (123 mm x 155 mm)
Direction of Rotation	Counter-Clockwise Viewed on Flywheel
Dry Weight	2,600 lbs (1,179 kg)

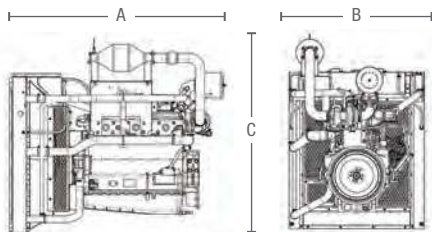


50Hz (1500RPM)

Application	Fuel	kWe	kWm	bHp
Standby	NG	175	200	268
Standby	LP	115	134	180
Prime	NG	150	180	241
Prime	LP	100	121	162

60Hz (1800RPM)

Application	Fuel	kWe	kWm	bHp
Standby	NG	200	235	315
Standby	LP	135	155	208
Prime	NG	175	200	268
Prime	LP	110	132	177



PRODUCT DIMENSIONS

A – 70.8 in (1,798 mm)

B – 50.0 in (1,270 mm)

C – 59.5 in (1,512 mm)

13L



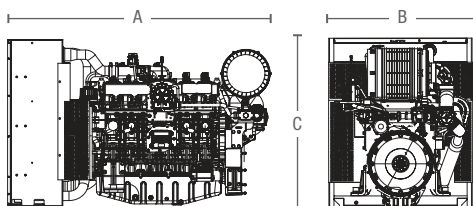
Cylinders	I-6
Induction System	Turbocharged & Air-to-Air Charge Cooled
Combustion System	Spark-Ignited
Cooling System	Water-Cooled
Displacement	765 cid (12,500 cc)
Compression Ratio	9.75:1
Bore & Stroke	5.00 in x 6.50 in (127 mm x 165 mm)
Direction of Rotation	Counter-Clockwise Viewed on Flywheel
Dry Weight	3,018 lbs (1,370 kg)

50Hz (1500RPM)

Application	Fuel	kWe	kWm	bHp
Standby HO	NG	250	300	402
Standby HO	LP	175	204	274
Standby	NG	223	250	314
Standby	LP	130	150	202
Prime	NG	205	230	314
Prime	LP	130	150	202

60Hz (1800RPM)

Application	Fuel	kWe	kWm	bHp
Standby HO	NG	300	350	469
Standby HO	LP	150	179	240
Standby	NG	262	299	322
Standby	LP	150	180	241
Prime	NG	207	240	322
Prime	LP	150	180	241



PRODUCT DIMENSIONS

A – 84.7 in (2,151 mm)

B – 44.6 in (1,133 mm)

C – 53.2 in (1,351 mm)

14L

Cylinders	V-8
Induction System	Turbocharged & Air-to-Air Charge Cooled
Combustion System	Spark-Ignited
Cooling System	Water-Cooled
Displacement	892 cid (14,620 cc)
Compression Ratio	10.5:1
Bore & Stroke	5.04 in x 5.59 in (128 mm x 142 mm)
Direction of Rotation	Counter-Clockwise Viewed on Flywheel
Dry Weight	3,150 lbs (1,429 kg)

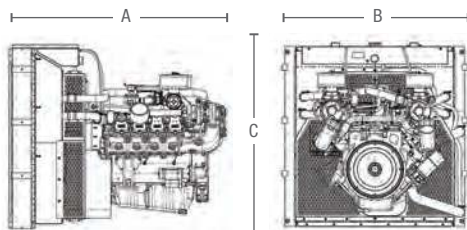


50Hz (1500RPM)

Application	Fuel	kWe	kWm	bHp
Standby	NG	240	275	369
Standby	LP	150	171	229
Prime	NG	210	248	332
Prime	LP	130	154	206

60Hz (1800RPM)

Application	Fuel	kWe	kWm	bHp
Standby HO	NG	350	400	536
Standby	NG	300	342	459
Standby	LP	200	238	319
Prime	NG	250	291	390
Prime	LP	175	202	271



PRODUCT DIMENSIONS

A – 75.5 in (1,918 mm)

B – 65.0 in (1,651 mm)

C – 83.6 in (2,124 mm)

17L



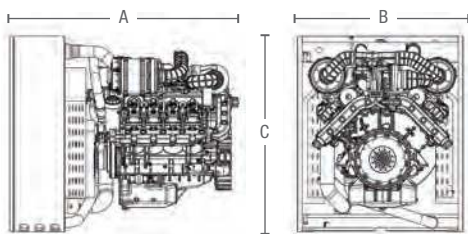
Cylinders	V-8
Induction System	Turbocharged & Air-to-Air Charge Cooled
Combustion System	Spark-Ignited
Cooling System	Water-Cooled
Displacement	1020 cid (16,720 cc)
Compression Ratio	10.5:1
Bore & Stroke	5.00 in x 6.50 in (127 mm x 165 mm)
Direction of Rotation	Counter-Clockwise Viewed on Flywheel
Dry Weight	3,527 lbs (1,600 kg)

50Hz (1500RPM)

Application	Fuel	kWe	kWm	bHp
Standby	NG	275	320	—
Prime	NG	275	320	—

60Hz (1800RPM)

Application	Fuel	kWe	kWm	bHp
Standby	NG	400	460	550
Prime	NG	350	420	550



PRODUCT DIMENSIONS

A – 82.4 in (2094 mm)

B – 59.1 in (1500 mm)

C – 69.8 in (1772 mm)

18L

Cylinders	V-10
Induction System	Turbocharged & Air-to-Air Charge Cooled
Combustion System	Spark-Ignited
Cooling System	Water-Cooled
Displacement	1,115 cid (18,275 cc)
Compression Ratio	10.5:1
Bore & Stroke	5.04 in x 5.59 in (128 mm x 142 mm)
Direction of Rotation	Counter-Clockwise Viewed on Flywheel
Dry Weight	3,400 lbs (1,542 kg)

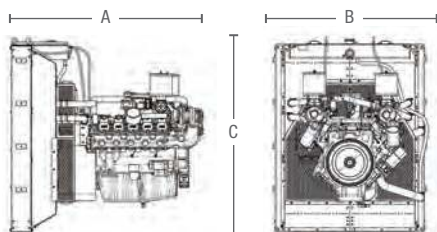


50Hz (1500RPM)

Application	Fuel	kWe	kWm	bHp
Standby	NG	270	320	429
Standby	LP	200	247	331

60Hz (1800RPM)

Application	Fuel	kWe	kWm	bHp
Standby	NG	350	422	566
Standby	LP	250	297	398



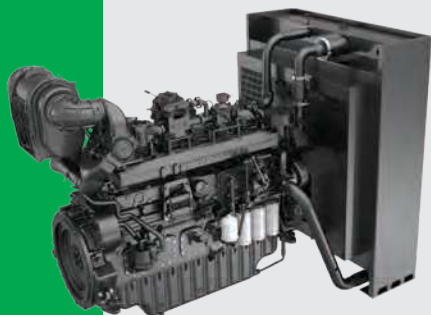
PRODUCT DIMENSIONS

A – 82.6 in (2,098 mm)

B – 65.0 in (1,651 mm)

C – 83.6 in (2,124 mm)

20L



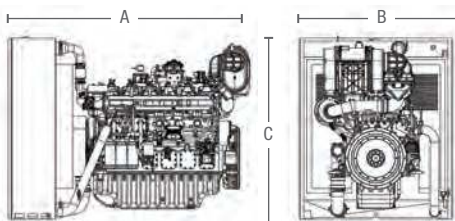
Cylinders	I-6
Induction System	Turbocharged & Air-to-Air Charge Cooled
Combustion System	Spark-Ignited
Cooling System	Water-Cooled
Displacement	cid (19,600 cc)
Compression Ratio	10.5:1
Bore & Stroke	5.90 in x 7.30 in (150 mm x 185 mm)
Direction of Rotation	Counter-Clockwise Viewed on Flywheel
Dry Weight	4,648 lbs (2110 kg)

50Hz (1500RPM)

Application	Fuel	kWe	kWm	bHp
Standby	NG	400	460	617
Standby	LP	250	286	383
LTP	NG	365	414	555
LTP	LP	225	257	345
Prime	NG	365	414	555
Prime	LP	225	257	345

60Hz (1800RPM)

Application	Fuel	kWe	kWm	bHp
Standby	NG	500	570	764
Standby	LP	300	340	456
LTP	NG	400	450	603
LTP	LP	275	306	410
Prime	NG	400	450	603
Prime	LP	275	306	410



PRODUCT DIMENSIONS

A – 99.8 in (2,536 mm)

B – 62.7 in (1,592 mm)

C – 74.8 in (1,900 mm)

22L

Cylinders	V-12
Induction System	Turbocharged & Air-to-Air Charge Cooled
Combustion System	Spark-Ignited
Cooling System	Water-Cooled
Displacement	1,338 cid (21,561 cc)
Compression Ratio	10.5:1
Bore & Stroke	5.04 in x 5.59 in (128 mm x 142 mm)
Direction of Rotation	Counter-Clockwise Viewed on Flywheel
Dry Weight	3,638 lbs (1,650 kg)

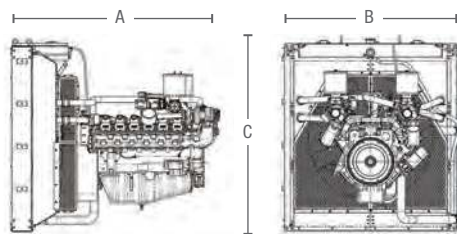


50Hz (1500RPM)

Application	Fuel	kWe	kWm	bHp
Standby	NG	320	378	507
Standby	LP	220	276	370
Prime	NG	280	340	456
Prime	LP	210	248	333

60Hz (1800RPM)

Application	Fuel	kWe	kWm	bHp
Standby HO	NG	500	570	764
Standby	NG	450	510	684
Standby	LP	300	352	472
Prime	NG	375	434	581
Prime	LP	250	299	401



PRODUCT DIMENSIONS

A – 90.3 in (2,294 mm)

B – 75.3 in (1,914 mm)

C – 83.6 in (2,124 mm)

32L



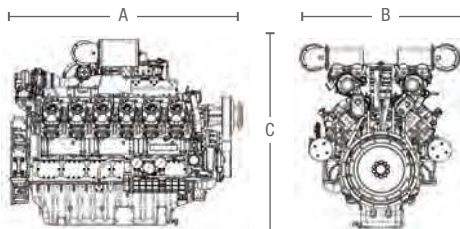
Cylinders	V-12
Induction System	Turbocharged & Air-to-Air Charge Cooled
Combustion System	Spark-Ignited
Cooling System	Water-Cooled
Displacement	1,941 cid (31,800 cc)
Compression Ratio	10.5:1
Bore & Stroke	5.91 in x 5.91 in (150 mm x 150 mm)
Direction of Rotation	Counter-Clockwise Viewed on Flywheel
Dry Weight	6887 lbs (3124 kg)

50Hz (1500RPM)

Application	Fuel	kWe	kWm	bHp
Standby	NG	525	600	805
Standby	LP	350	405	543
LTP	NG	500	570	738
LTP	LP	325	385	516
Prime	NG	450	510	637
Prime	LP	300	344	461

60Hz (1800RPM)

Application	Fuel	kWe	kWm	bHp
Standby	NG	650	720	966
Standby	LP	425	475	637
LTP	NG	600	684	918
LTP	LP	400	451	605
Prime	NG	525	600	805
Prime	LP	350	403	540



PRODUCT DIMENSIONS

A – 84.0 in (2,134 mm)

B – 58.0 in (1,473 mm)

C – 66.9 in (1,699 mm)

4OL

Cylinders	V-12
Induction System	Turbocharged & Air-to-Air Charge Cooled
Combustion System	Spark-Ignited
Cooling System	Water-Cooled
Displacement	2,394 cid (39,230 cc)
Compression Ratio	10.5:1
Bore & Stroke	5.91 in x 7.28 in (150 mm x 185 mm)
Direction of Rotation	Counter-Clockwise Viewed on Flywheel
Dry Weight	7,474 lbs (3,390 kg)

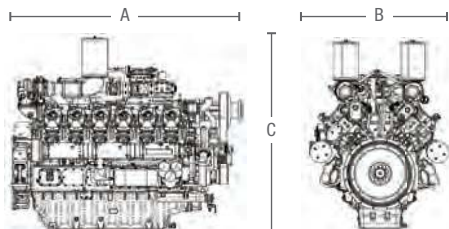


50Hz (1500RPM)

Application	Fuel	kWe	kWm	bHp
Standby	NG	650	740	992
Standby	LP	425	487	653
LTP	NG	650	740	992
LTP	LP	425	487	653
Prime	NG	875	666	893
Prime	LP	375	438	587

60Hz (1800RPM)

Application	Fuel	kWe	kWm	bHp
Standby	NG	800	920	1234
Standby	LP	500	584	783
LTP	NG	800	920	1234
LTP	LP	500	584	783
Prime	NG	725	828	1110
Prime	LP	450	526	705



PRODUCT DIMENSIONS

A – 87.2 in (2,215 mm)

B – 54.2 in (1,377 mm)

C – 73.3 in (1,862 mm)

53L



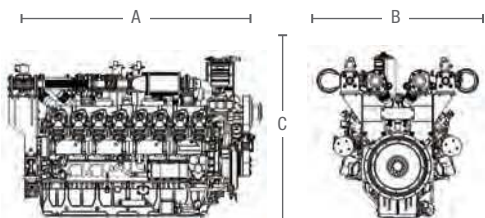
Cylinders	V-16
Induction System	Turbocharged & Air-to-Air Charge Cooled
Combustion System	Spark-Ignited
Cooling System	Water-Cooled
Displacement	3,192 cid (52,308 cc)
Compression Ratio	10.5:1
Bore & Stroke	5.91 in x 7.28 in (150 mm x 185 mm)
Direction of Rotation	Counter-Clockwise Viewed on Flywheel
Dry Weight	12,125 lbs (5,500 kg)

50Hz (1500RPM)

Application	Fuel	kWe	kWm	bHp
Standby	NG	850	987	1324
Standby	LP	650	744	998
LTP	NG	850	987	1324
LTP	LP	650	744	998
Prime	NG	775	888	1191
Prime	LP	575	670	898

60Hz (1800RPM)

Application	Fuel	kWe	kWm	bHp
Standby HO	NG	1250	1436	1924
Standby	NG	1050	1185	1589
Standby	LP	775	892	1196
LTP	NG	1050	1185	1589
LTP	LP	775	892	1196
Prime	NG	925	1067	1431
Prime	LP	700	803	1077



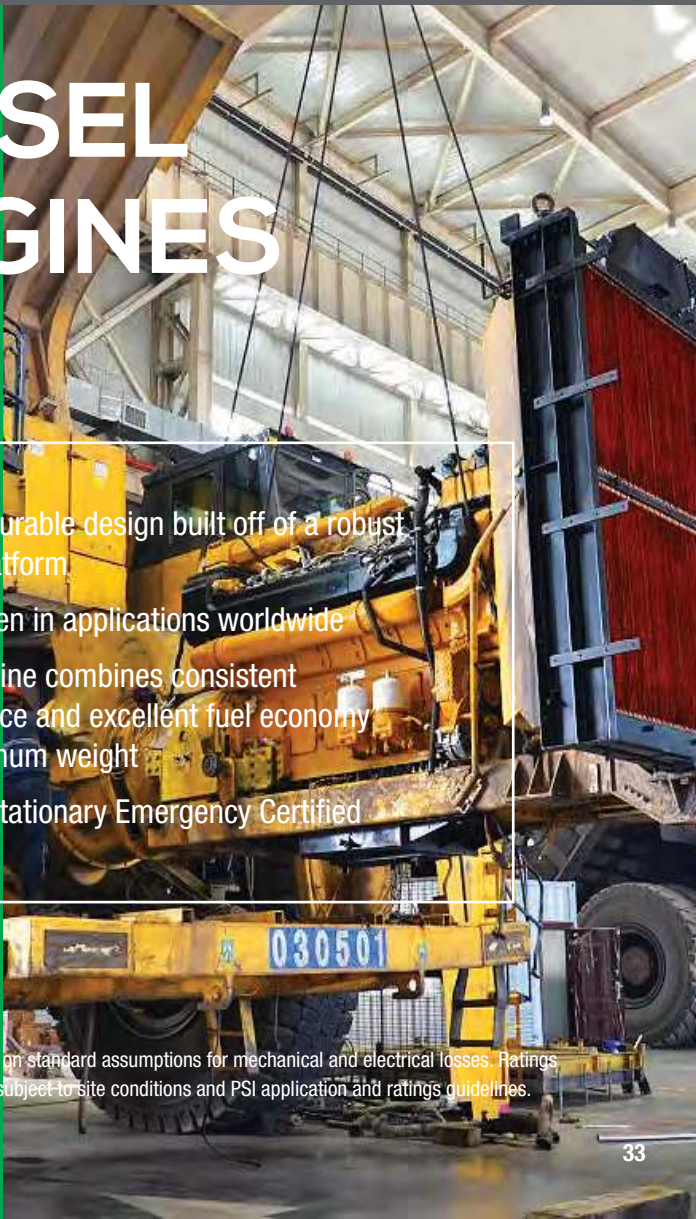
PRODUCT DIMENSIONS

A – 113.7 in (2,888 mm)

B – 68.0 in (1,727 mm)

C – 70.2 in (1,783 mm)

DIESEL ENGINES



- Reliable, durable design built off of a robust marine platform
- Field-proven in applications worldwide
- Diesel engine combines consistent performance and excellent fuel economy with minimum weight
- U.S. EPA Stationary Emergency Certified

kWe values are based on standard assumptions for mechanical and electrical losses. Ratings and performance are subject to site conditions and PSI application and ratings guidelines.

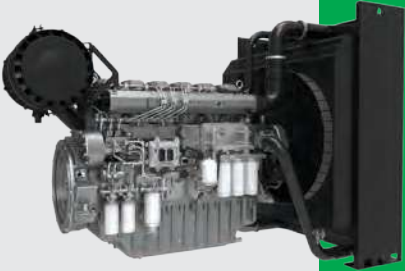
60Hz ENGINES 1800RPM

Engine Model	Displacement	Application	DIESEL	
			kWe	kWm
PSI 20L-D	19.6	Standby	600	670
PSI 20L-D	19.6	Standby	650	726
PSI 26L-D	26.1	Standby	700	800
PSI 26L-D	26.1	Standby	840	946
PSI 40L-D	39.2	Standby	1000	1120
PSI 40L-D	39.2	Standby	1300	1420
PSI 53L-D	52.3	Standby	1500	1680
PSI 53L-D	52.3	Standby	1750	1893
PSI 65L-D	65.4	Standby	2000	2230
PSI 66L-D	65.65	Standby	2300	2500
PSI 66L-D	65.65	Standby	2500	2700
PSI 88L-D	87.5	Standby	2800	3150
PSI 88L-D	87.5	Standby	3000	3350
PSI 88L-D	87.5	Standby	3300	3600



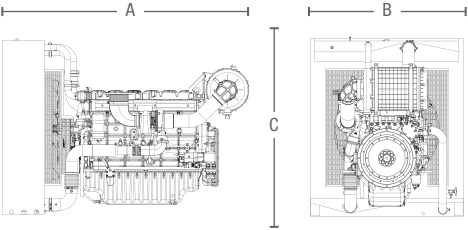
20L-D

Cylinders	I-6
Induction System	Turbocharged Inter-Cooled
Emission Controls	Common Rail
Displacement	19.6 Liters
Fuel Injection System	High Pressure Common Rail
Compression Ratio	15:1
Bore & Stroke	5.91 in x 7.28 in (150 mm x 185 mm)
Direction of Rotation	Counter-Clockwise Viewed on Flywheel
Dry Weight	4,608 lbs (2,090 kg)



60Hz (1800RPM)

Application	Fuel	kWe	kWm
Standby	Diesel	600	670
Standby	Diesel	650	726



PRODUCT DIMENSIONS

- A – 110.2 in (2,798 mm)
- B – 66.1 in (1,680 mm)
- C – 76.9 in (1,954 mm)

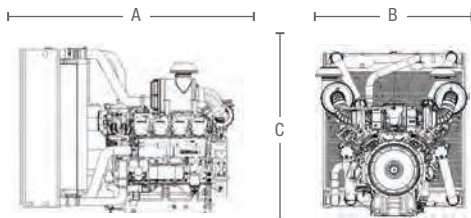
26L-D



Cylinders	V-8
Induction System	Turbocharged Inter-Cooled
Emission Controls	Common Rail
Displacement	26.1 Liters
Fuel Injection System	High Pressure Common Rail
Compression Ratio	15:1
Bore & Stroke	5.91 in x 7.28 in (150 mm x 185 mm)
Direction of Rotation	Counter-Clockwise Viewed on Flywheel
Dry Weight	6,834 lbs (3,100 kg)

60Hz (1800RPM)

Application	Fuel	kWe	kWm
Standby	Diesel	700	800
Standby	Diesel	840	946



PRODUCT DIMENSIONS

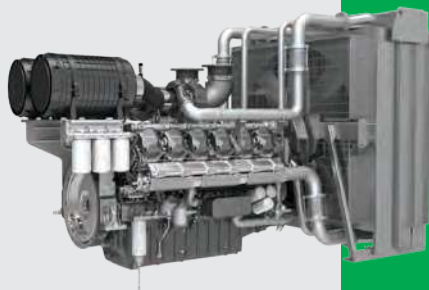
A – 100.4 in (2,550 mm)

B – 73.4 in (1,865 mm)

C – 79.4 in (2,016 mm)

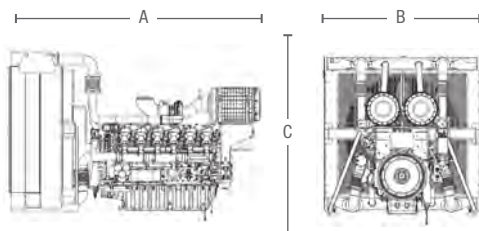
40L-D

Cylinders	V-12
Induction System	Turbocharged Inter-Cooled
Emission Controls	Common Rail
Displacement	39.2 Liters
Fuel Injection System	High Pressure Common Rail
Compression Ratio	15:1
Bore & Stroke	5.91 in x 7.28 in (150 mm x 185 mm)
Direction of Rotation	Counter-Clockwise Viewed on Flywheel
Dry Weight	7,915 lbs (3,590 kg)



60Hz (1800RPM)

Application	Fuel	kWe	kWm
Standby	Diesel	1000	1120
Standby	Diesel	1300	1420



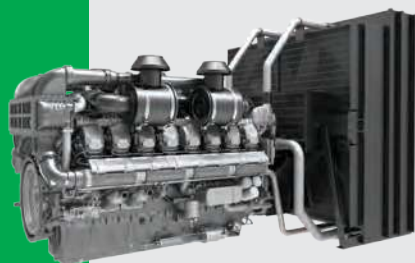
PRODUCT DIMENSIONS

A – 138.8 in (3,525 mm)

B – 88.3 in (2,242 mm)

C – 88.3 in (2,243 mm)

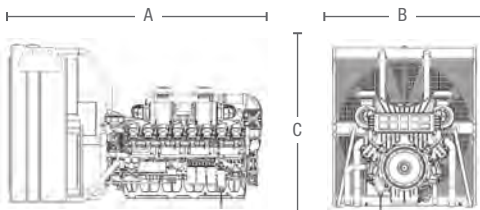
53L-D



Cylinders	V-16
Induction System	Turbocharged Inter-Cooled
Emission Controls	Common Rail
Displacement	52.3 Liters
Fuel Injection System	High Pressure Common Rail
Compression Ratio	15:1
Bore & Stroke	5.91 in x 7.28 in (150 mm x 185 mm)
Direction of Rotation	Counter-Clockwise Viewed on Flywheel
Dry Weight	11,464 lbs (5,200 kg)

60Hz (1800RPM)

Application	Fuel	kWe	kWm
Standby	Diesel	1500	1680
Standby	Diesel	1750	1893



PRODUCT DIMENSIONS

A – 156.2 in (3,967 mm)

B – 88.1 in (2,237 mm)

C – 97.8 in (2,485 mm)

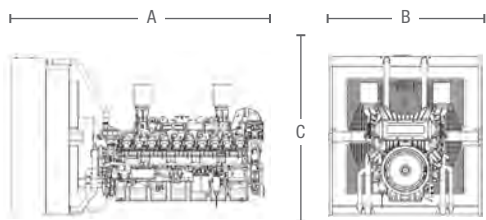
65L-D

Cylinders	V-20
Induction System	Turbocharged Inter-Cooled
Emission Controls	Common Rail
Displacement	65.4 Liters
Fuel Injection System	High Pressure Common Rail
Compression Ratio	15:1
Bore & Stroke	5.91 in x 7.28 in (150 mm x 185 mm)
Direction of Rotation	Counter-Clockwise Viewed on Flywheel
Dry Weight	14,661 lbs (6,650 kg)



60Hz (1800RPM)

Application	Fuel	kWe	kWm
Standby	Diesel	2000	2230



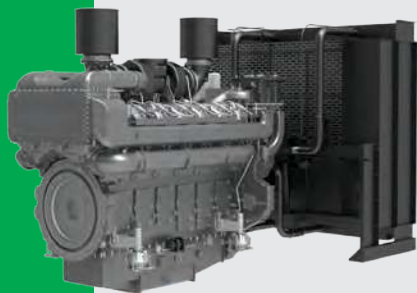
PRODUCT DIMENSIONS

A – 181.5 in (4,611 mm)

B – 108.5 in (2,756 mm)

C – 113 in (2,870 mm)

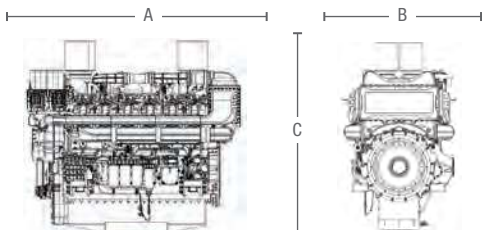
66L-D



Cylinders	V-12
Induction System	Turbocharged Inter-Cooled
Emission Controls	Common Rail
Displacement	65.65 Liters
Fuel Injection System	High Pressure Common Rail
Compression Ratio	16.5:1
Bore & Stroke	7.09 in x 8.46 in (180 mm x 215 mm)
Direction of Rotation	Counter-Clockwise Viewed on Flywheel
Dry Weight	21,054 lbs (9550 kg)

60Hz (1800RPM)

Application	Fuel	kWe	kWm
Standby	Diesel	2300	2500
Standby	Diesel	2500	2700



PRODUCT DIMENSIONS

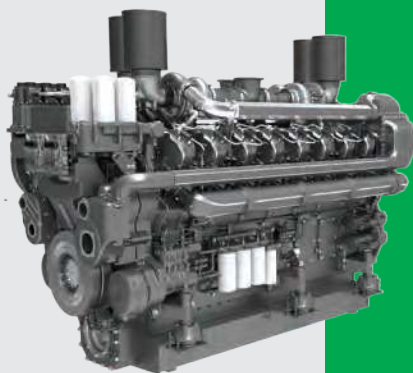
A – 112.6 in (2,859 mm)

B – 60.8 in (1,544 mm)

C – 103 in (2,616 mm)

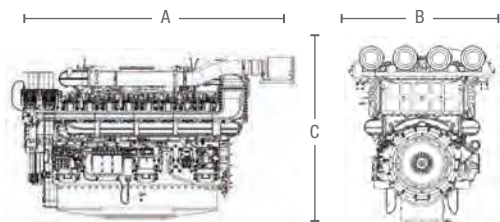
88L-D

Cylinders	V-16
Induction System	Turbocharged Inter-Cooled
Emission Controls	Common Rail
Displacement	87.5 Liters
Fuel Injection System	High Pressure Common Rail
Compression Ratio	16.5:1
Bore & Stroke	7.09 in x 8.46 in (180 mm x 215 mm)
Direction of Rotation	Counter-Clockwise Viewed on Flywheel
Dry Weight	25,353 lbs (11,500 kg)



60Hz (1800RPM)

Application	Fuel	kWe	kWm
Standby	Diesel	2800	3150
Standby	Diesel	3000	3350
Standby	Diesel	3300	3600



PRODUCT DIMENSIONS

A – 163.8 in (4,161 mm)

B – 76.9 in (1,952 mm)

C – 97.2 in (2,468 mm)

ENGINE CONTROLS

Superior engine performance is driven by an ECU that integrates and coordinates all critical functions including: Governor, Variable Ignition Timing, Air Fuel Ratio Control, Knock Suppression and Engine Protection.

- Delivers Strong Load Acceptance to Allow Units to be Capable of Compliance with ISO 8528 – G2
- U.S. Proven PSI ECU, Fuel System & Engine Control
- Engine Protection
- CANBUS J1939 Interface
- MasterTrak Telematics

MASTERTRAK

MasterTrak Keeps You Connected to Your Bottom Line

MasterTrak Advanced Telematics is an industry-leading asset-management tool that monitors critical equipment in real time, 24/7 for health, location, utilization, security, maintenance, compliance and other information.



Improved equipment health, location and utilization with 24/7/365 monitoring



Alerts, notifications and reports prevent shutdowns, theft or damage



Custom reports integrate across business systems with targeted information



Tailored solutions to fit your industry



Easy online and mobile access with a rich suite of applications



Wide coverage reaches you in the office, the field or on-the-go

GLOBAL NETWORK

- Operations in 55 countries with 500 authorized service centers worldwide
- Large volume manufacturing, engine testing & certification

-
- 80,000 Employees
 - 2,500 Engineers



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