

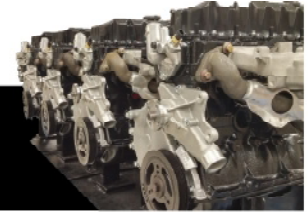


M-K POWER PRODUCTS CORP.
 3500 Laird Road, Unit 2
 Mississauga, Ontario
 L5L 5Y4

800 263-5011
 www.M-K.com

ZPP NA 644

6 Cylinder Inline | Naturally-Aspirated |
 4.4L - Gasoline, Natural Gas, Propane |



Specifications

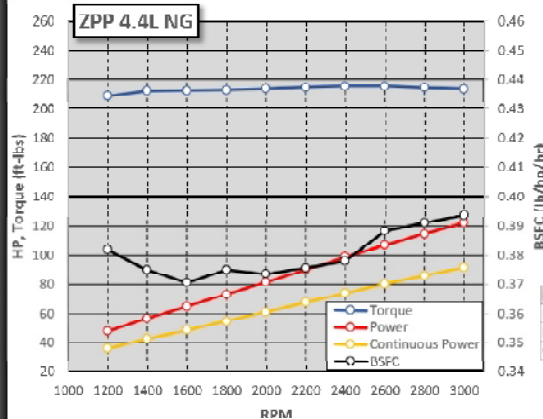
# of Cylinders	6 inline
Operation	4-stroke
Ignition	Spark-Ignited
# of Valves	2/cylinder
Firing Order	1-5-3-6-4-2
Bore x Stroke	98.4 X 96.8 mm 3.874" x 3.811"
Displacement	4416 cc / 269.5 ci
Compression Ratio	9.7 : 1
Dry Weight	193 kg / 424.6 lbs
Piston Speed @ 2400 rpm	1,524 fpm
Piston Speed @ 1800 rpm	1,143 fpm
Oil Capacity	5.7L / 6.0 qts
Electrical System	12 Volt

Standard Features

☆	US EPA Certified
☆	CAN bus controlled—11939
☆	Full Built-in Engine Protection
☆	Stoichiometric Combustion
☆	Cast Iron block and head

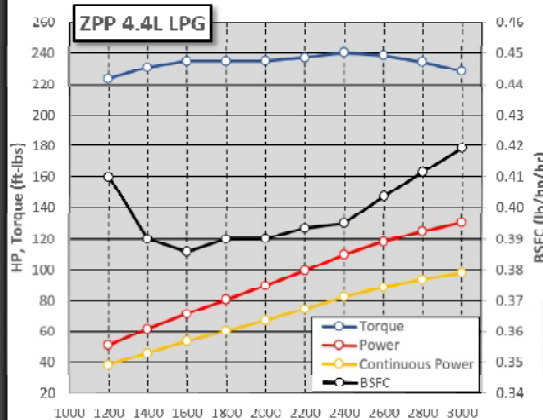
Optional Features

☆	Customer Specific Packaging
☆	Turn-Key Enclosures

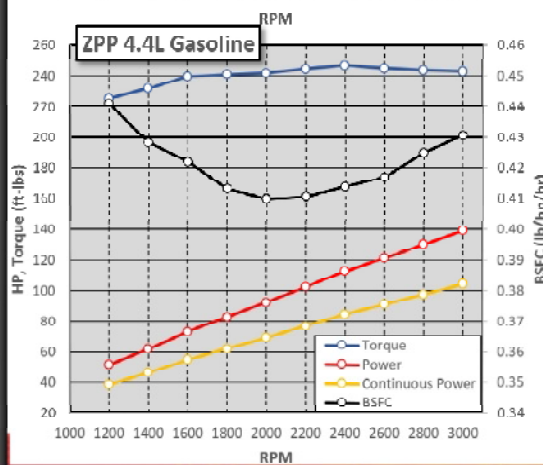


Rating	Industrial Rating (bHP)		Genset Rating (kWe)
	2400 rpm	1800 rpm	1800 rpm
Intermittent	98.6	73.1	50.7
Prime	88.8	65.8	45.6
Continuous	74.0	54.8	38.0

**All data is corrected per SAE J1349
 *Performance is NET including losses from engine auxiliaries (alternator, fan, water pump, air cleaner, catalyst)
 *NG is pipeline grade gas
 *LPG is commercial grade
 *Gasoline is pump gasoline
 * Electrical kW calculated with 92% generator efficiency*



Rating	Industrial Rating (bHP)		Genset Rating (kWe)
	2400 rpm	1800 rpm	1800 rpm
Intermittent	109.8	80.6	55.9
Prime	98.9	72.5	50.3
Continuous	82.4	60.4	41.9



Rating	Industrial Rating (bHP)		Genset Rating (kWe)
	2400 rpm	1800 rpm	1800 rpm
Intermittent	112.8	82.7	57.3
Prime	74.4	74.4	51.8
Continuous	62.0	62.0	43.0



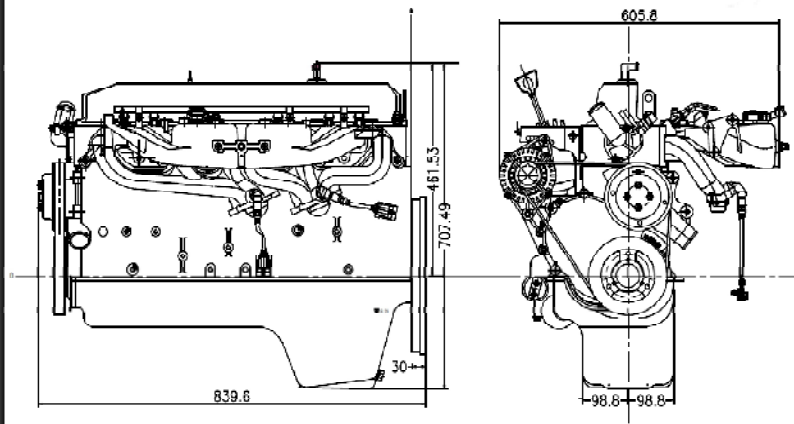
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Fuel System Features

- ☆ Natural Gas, LPG, or Gasoline
- ☆ Air-valve Mixer based fueling
- ☆ Electronic, closed-loop control
- ☆ EPA certified to pipeline quality fuels
- ☆ Electronic Throttle body
- ☆ Inline catalyst provided with engine



*All data is corrected per SAE J1349

Pipeline NG

RPM	Torque ft-lbs (Nm)	Power BHP (kW)	BMEP (psi)	Fuel Flow (lb/hr)	Air Flow (lb/hr)	BSFC (lb/hp/hr)	Exhaust Outlet (F)
2800	214.9 (291.4)	114.6 (85.4)	120.3	44.8	735.0	0.391	1,485
2400	215.8 (292.6)	98.6 (73.5)	120.8	37.3	611.2	0.378	1,410
2000	214.1 (290.3)	81.5 (60.8)	119.9	30.4	499.3	0.374	1,335
1800	213.2 (289.1)	73.1 (54.5)	119.4	27.4	449.6	0.375	1,299
1600	212.7 (288.4)	64.8 (48.3)	119.1	24.0	393.8	0.371	1,259
1200	209.3 (283.7)	47.8 (35.7)	117.2	18.2	299.3	0.382	1,142

Commercial LPG

RPM	Torque ft-lbs (Nm)	Power BHP (kW)	BMEP (psi)	Fuel Flow (lb/hr)	Air Flow (lb/hr)	BSFC (lb/hp/hr)	Exhaust Outlet (F)
2800	234.4 (317.8)	125.0 (93.2)	131.3	51.4	805.4	0.412	1,517
2400	240.4 (325.9)	109.8 (81.9)	134.6	43.4	679.5	0.395	1,453
2000	235.3 (319.0)	89.6 (66.8)	131.7	34.9	547.3	0.390	1,388
1800	235.1 (318.7)	80.6 (60.1)	131.6	31.4	492.0	0.390	1,353
1600	235.1 (318.7)	71.6 (53.4)	131.6	27.6	432.7	0.386	1,310
1200	223.6 (303.2)	51.1 (38.1)	125.2	20.9	328.0	0.410	1,178

Gasoline

RPM	Torque ft-lbs (Nm)	Power BHP (kW)	BMEP (psi)	Fuel Flow (lb/hr)	Air Flow (lb/hr)	BSFC (lb/hp/hr)	Exhaust Outlet (F)
2800	243.9 (330.6)	130.0 (97.0)	136.5	55.2	812.0	0.425	1,626
2400	246.9 (334.7)	112.8 (84.1)	138.2	46.7	686.1	0.414	1,577
2000	242.2 (328.3)	92.2 (68.8)	135.6	37.8	555.5	0.410	1,528
1800	241.2 (327.0)	82.7 (61.6)	135.0	34.1	502.0	0.413	1,481
1600	239.9 (325.3)	73.1 (54.5)	134.3	30.8	453.2	0.422	1,446
1200	225.5 (305.7)	51.5 (38.4)	126.2	22.7	334.0	0.441	1,366