



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

800 263-5011
 www.M-K.com

ZPP TA 6120 LPG

6 Cylinder Inline | Turbo-Charged |
 After Cooled | 12L - Propane



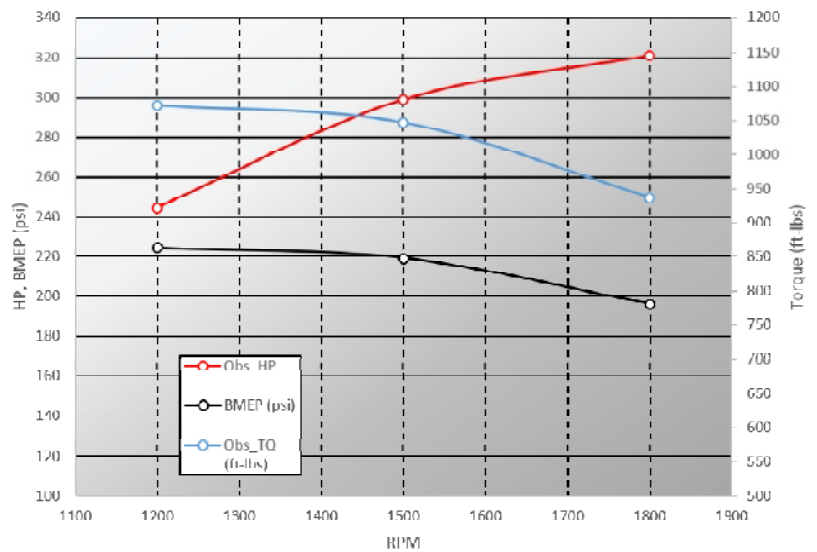
Specifications

# of Cylinders	6 Inline
Operation	4-stroke
Ignition	Spark-Ignited
# of Valves	4/cylinder
Firing Order	1-5-3-6-2-4
Bore x Stroke	1.28X 1.53mm 5.04 X 6.02 in"
Displacement	11.8L
Compression Ratio	11.1 : 1
Max cylinder firing pressure	190 bar
Piston Speed @ 1800 rpm	1807 fpm
Oil Capacity	45 L / 11.9 gals
Electrical System	24 Volt

Features

☆	Overhead Camshaft with Roller Rocker
☆	High Strength Cylinder Block with Bed Plate Bottom End
☆	Full Built-in Engine Protection
☆	Rear gear-train and PTOs
☆	SAE #1 Housing/ 14" Flywheel
☆	Replaceable Wet Cylinder Liners

Zenith 12L LPG Engine Performance



Power Unit Ratings

	Intermittent (BHP)	Prime (BHP)	Continuous (BHP)
1800 rpm	320	301	278
1500 rpm	299	281	260

Electrical Generation Ratings

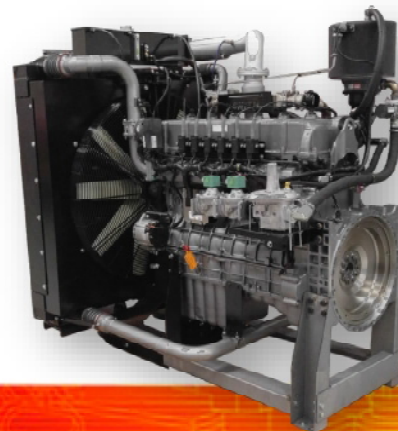
	Standby (kWe)	Prime (kWe)	Continuous (kWe)
60 Hz	224	211	195
50 Hz	210	197	182

*Performance is NET including losses from auxiliaries (alternator, fan, water pump)

*NG is pipeline grade gas

*LPG is Commercial grade

* Electrical kW is calculated using 94% generator efficiency





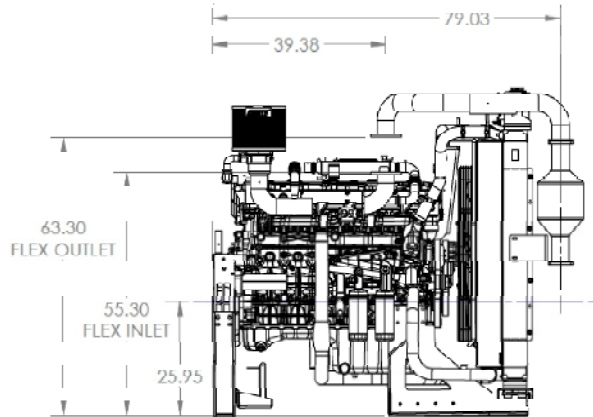
M-K POWER PRODUCTS CORP.

3500 Laird Road, Unit 2
Mississauga, Ontario
L5L 5Y4

800 263-5011
www.M-K.com

Fuel System Features

- ☆ Natural Gas, LPG, or Dual Fuel
- ☆ 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 peak, intermittent performance*

Commercial LPG
1800 rpm

Load	Speed	kWe	Obs HP	Obs TQ (ft-lbs)	BMEP (psi)	MAP (kPa)	MAF (lb/hr)	Fuel Flow (lb/hr)	BSFC LPG (lb/hp/hr)	EGT Post-Turbine (°F)	Fuel Flow (gpm)
100%	1800	225	321	937	196	154.0	1833	118.2	0.368	1222	28.1
75%	1800	166	237	691	145	121.0	1460	94.2	0.398	1226	22.4
50%	1800	116	165	482	101	97.0	1151	74.2	0.449	1230	17.7
25%	1800	56	80	233	49	67.8	798	51.4	0.644	1223	12.2
10%	1800	25	36	106	22	41.6	548	35.3	0.974	1267	8.4

Commercial LPG
1500 rpm

Load	Speed	kWe	Obs HP	Obs TQ (ft-lbs)	BMEP (psi)	MAP (kPa)	MAF (lb/hr)	Fuel Flow (lb/hr)	BSFC LPG (lb/hp/hr)	EGT Post-Turbine (°F)	Fuel Flow (gpm)
100%	1500	210	299	1047	219	165.0	1643	105.9	0.354	1203	25.2
75%	1500	158	225	787	165	135.2	1333	86.0	0.383	1212	20.5
50%	1500	106	151	527	111	102.9	984	63.5	0.421	1208	15.1
25%	1500	51	73	255	53	66.2	631	40.7	0.559	1186	9.7
10%	1500	21	30	103	22	40.8	441	28.5	0.963	1170	6.8

Commercial LPG
1200 rpm

Load	Speed	kWe	Obs HP	Obs TQ (ft-lbs)	BMEP (psi)	MAP (kPa)	MAF (lb/hr)	Fuel Flow (lb/hr)	BSFC LPG (lb/hp/hr)	EGT Post-Turbine (°F)	Fuel Flow (gpm)
100%	1200	172	245	1072	225	157.0	1278	82.4	0.336	1180	19.6
75%	1200	129	184	805	169	129.0	1027	66.2	0.360	1184	15.8
50%	1200	86	123	537	112	94.9	746	48.1	0.392	1175	11.5
25%	1200	43	62	271	57	54.0	465	30.0	0.484	1167	7.1
10%	1500	18	26	91	19	37.8	310	20.0	0.764	1100	4.8