

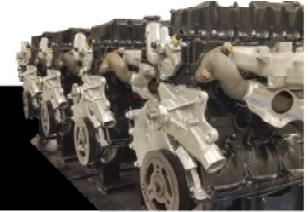


M-K POWER PRODUCTS CORP.
 3500 Laird Road, Unit 2
 Mississauga, Ontario
 L5L 5Y4

800 263-5011
 www.M-K.com

ZPP NA 690

6 Cylinder Inline | Naturally-Aspirated |
 8.8L - Natural Gas, Propane, Dual Fuel |



Specifications

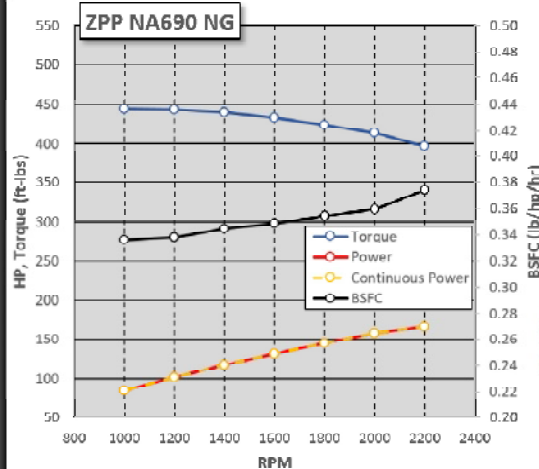
# of Cylinders	6 Inline
Operation	4-stroke
Ignition	Spark-Ignited
# of Valves	2/cylinder
Firing Order	1-5-3-6-2-4
Bore x Stroke	114 X 144 mm 4.488" x 5.669"
Displacement	8.83 L / 538.8 ci
Compression Ratio	10.5 : 1
Dry Weight	800 kg / 1760 lbs
Piston Speed @ 2300 rpm	2079 fpm
Piston Speed @ 1800 rpm	1701 fpm
Oil Capacity	20.8 L / 22.0 qts
Electrical System	Combined 12/24 Volt

Standard Features

☆	US EPA Certified
☆	CAN bus controlled—J1939
☆	Full Built-in Engine Protection
☆	SAE #2 Housing
☆	SAE 11.5" Flywheel
☆	Replaceable Dry Liners

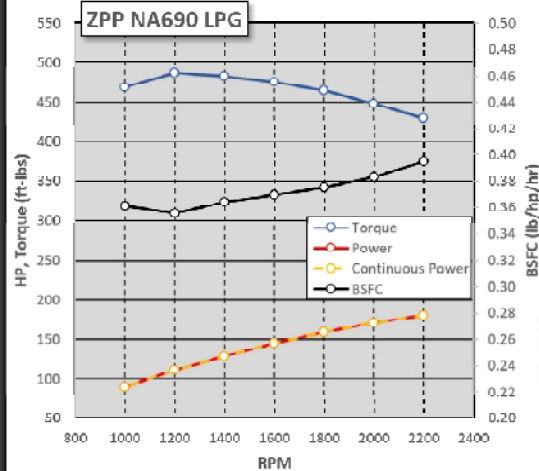
Optional Features

☆	Customer Specific Packaging
☆	Turn-Key Enclosures

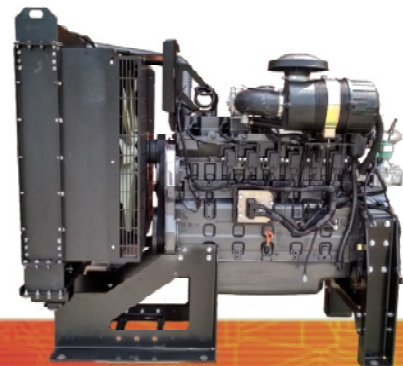


Rating	Industrial Rating (bHP)		Genset Rating (kWe)
	2200 rpm	1800 rpm	60 Hz
Intermittent	166	145	100
Prime	166	145	100
Continuous	166	145	100

*All data is corrected per SAE J1349
 *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 92% generator efficiency



Rating	Industrial Rating (bHP)		Genset Rating (kWe)
	2200 rpm	1800 rpm	60 Hz
Intermittent	180	159	109
Prime	180	159	109
Continuous	180	159	109





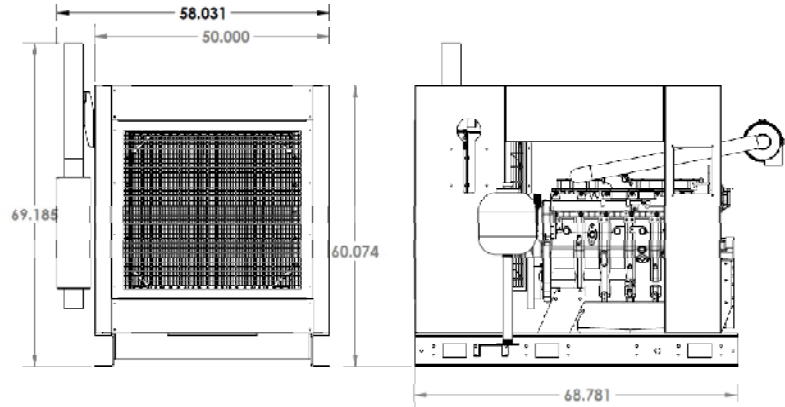
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Fuel System Features

- ☆ 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 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)
2200	397 (538)	166 (124)	102	58.0	951	0.374	1,424
2000	414 (562)	158 (118)	106	52.8	866	0.359	1,380
1800	424 (575)	145 (108)	108	48.0	787	0.355	1,367
1600	433 (588)	132 (98)	111	42.9	704	0.349	1,331
1400	440 (596)	117 (87)	113	37.7	618	0.345	1,293
1200	443 (601)	101 (76)	113	31.9	523	0.338	1,261
1000	444 (602)	85 (63)	114	26.5	435	0.336	1,205

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)
2200	430 (583)	180 (134)	109	65.5	1074	0.395	1,463
2000	449 (608)	171 (127)	113	60.2	987	0.383	1,445
1800	465 (630)	159 (119)	118	55.0	902	0.375	1,419
1600	476 (645)	145 (108)	120	49.3	809	0.369	1,386
1400	483 (655)	129 (96)	122	43.2	708	0.364	1,356
1200	488 (661)	111 (83)	123	36.5	599	0.356	1,313
1000	469 (636)	89 (67)	119	29.7	487	0.361	1,244