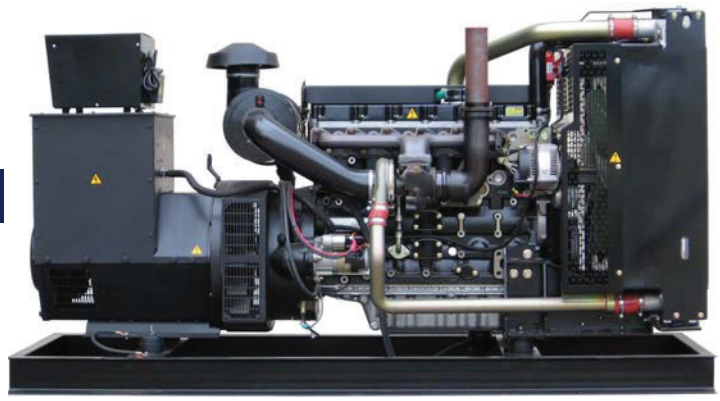
Perkins Diesel Direct Coupled to 1800 RPM Brushless Generator



- Brushless generators
- Factory tested
- Revolving field class H, 125°C temperature rise generator
- 1% voltage regulation
- Unit mounted radiator with fan guard
- Rubber isolators between unit and base for vibration free operation
- Lifting eyes for easy handling
- Absence of brush gear and high quality AVR ensures low levels of radio interference
- Generators meet the requirements of BS5000 part 3, VDE0530, UTE5100, NEMA MGI-22, CEMA, IE34-1, CSA22.2, and AS1359

Standard Equipment

- Batteries and battery cables
- Battery charging alternator
- Automatic trickle charger
- Engine jacket water heater
- Engine oil and anti-freeze
- Exhaust system (includes muffler, stainless steel bellows connector, rain cap, clamps and 5 feet of exhaust pipe)

DISPLAY | MASTER 4 Controller Standard Features

- Rugged solid state microprocesser design
- 16 character, 2 line backlit LCD display
- Easy keypad programming of all set points, password protected for security
- Remote start/stop capability
- Accurate digital readout of AC volts, amps, phase, frequency, kW, kVA, power factor, battery volts, runtime hours, oil pressure and water temperature
- Indicator lights for normal operation, pre-alarm and fault conditions
- Indicator light for remote start signal
- All shutdowns display on screen until system is reset
- Audible alarm for shutdowns and/or pre-alarms
- 6 user configurable dry contact relay outputs (readily available plug-in relays optional)
- 8 user configurable digital inputs
- Plug-in connectors for easy curcuit board replacement
- System Lock feature disables starting of generator for maintainance purposes (requires password to unlock)

Pre-alarms

- Low engine temperature, high engine temperature, low oil pressure ,over speed, high battery volts, low battery volts, unit not in auto

Shutdowns

- High engine temperature, low oil pressure, low coolant level, over speed, over crank, no speed signal, emergency stop, weak battery

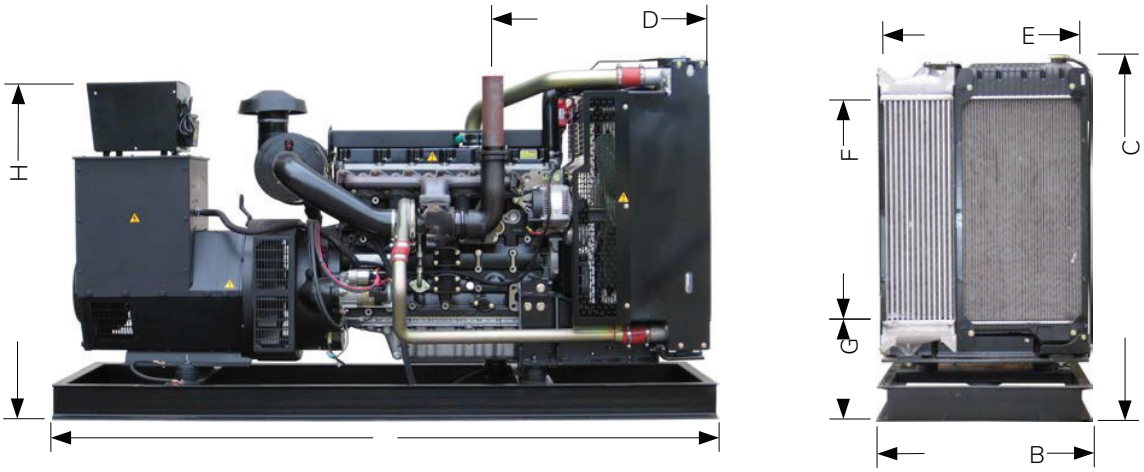
Optional Equipment

- Automatic transfer switches
- Dual wall sub base fuel tanks
- Enclosures
- Trailers
- Main breaker
- Automatic idle for warmup and cooldown
- Permanent magnet generator (PMG) system (provides 300% short curcuit withstanding capability)
- Over current sensing, shutdown and display
- Low fuel pre-alarm, shutdown and display
- 29 light remote annunciator with dry relay contacts for all pre-alarms and faults
- Low oil level pre-alarm or shutdown with display
- Pre-alarm and fault relay contacts 10 amp

Model Selection

Model	KW	KVA	Phase	Volts	RPM	Amps	Breaker Size
1D140P3	140	140	1	120/240	1800	583	600A
2D140P3	140	175	3	120/208	1800	486	600A
6D140P3	140	175	3	347/600	1800	169	175A
1D150P3	150	150	1	120/240	1800	625	600A
2D150P3	150	187.50	3	120/208	1800	521	600A
6D150P3	150	187.50	3	347/600	1800	181	200A

Dimensions



Model	A	B	C	D	E	F	G	H	Total Wt.
140 kW	93	30.5	51.25	30.5	27.5	31.5	13.5	48	3000 lbs.
150 kW	96	30.5	51.25	30.5	27.5	31.5	13.5	48	3250 lbs.

Specifications

TIER 3 Emissions	Units of Measurement	140 kW	150 kW
Engine Model		1106D-E70TAG2	1106D-E70TAG3
Horsepower		216.7	229.9
Type		6 cyl. Inline	6 cyl. Inline
Aspiration		Turbocharged&Aftercooled	Turbocharged&Aftercooled
Bore x Stroke	mm (inches)	105 x 135(4.1x 5.31)	105 x 135 (4.1x 5.31)
Displacement	litres (cubic inches)	7.01 (428)	7.01 (428)
Compression Ratio		16.8:1	16.8:1
Fuel Consumption 100% Load	Litre/hr (US gal/hr)	41.5 (10.96)	43.3 (11.44)
Fuel Consumption 75% Load	Litre/hr (US gal/hr)	32.7 (8.64)	34.5 (9.11)
Fuel Consumption 50% Load	Litre/hr (US gal/hr)	23.7 (6.26)	24.6 (6.50)
Battery Size	(Cranking Amps)	4D (1000)	4D (1000)
Oil Capacity	Litres (US gal)	16.5 (4.36)	16.5 (4.36)
Coolant Capacity	Litres (US gal)	21 (5.55)	21 (5.55)
Thermostat Range	°C (°F)	82-95 (180-203)	82-95 (180-203)
Max Pressure Cap	kpa (psi)	100 (14.5)	100 (14.5)
Intake Air Flow	m^3/min (cfm)	12.5 (441.4)	12.7 (448.5)
Exhaust Gas Temperature	°C (°F)	465.6 (870.1)	469 (876.2)
Exhaust Gas Flow	m^3/min (cfm)	30.2 (1066.5)	30.7 (1084.2)
Heat Rejection to Coolant	BTU/min	4360	4559
Ambient Capacity of Radiator	°C (°F)	52 (125)	52 (125
Max Allowable Back Pressure on Exhaust	kpa (in Hg)	15.0 (4.4)	115.0 (4.4)
Air Flow Required Through Radiator	m^3/min (cfm)	250 (9040)	314 (11089)

ATLANTIC POWER SOLUTIONS · SINCE 1995 · GENERATOR SALES & SERVICE

12635 Hwy 421 S.
Goldston, NC, 27252
Phone: (919) 837-2959 | Fax: (919) 837-5374
apsgenco.com | office@apsgenco.com

Authorized Dealer Stamp: