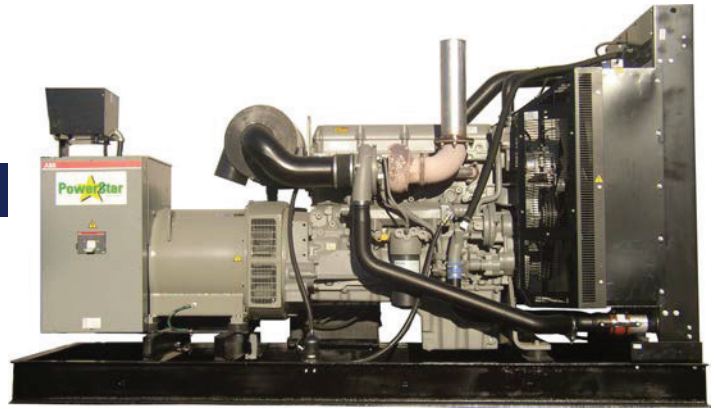




Perkins Diesel Direct Coupled to 1800 RPM Brushless Generator

- 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 microprocessor 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 circuit board replacement
- System Lock feature disables starting of generator for maintenance 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

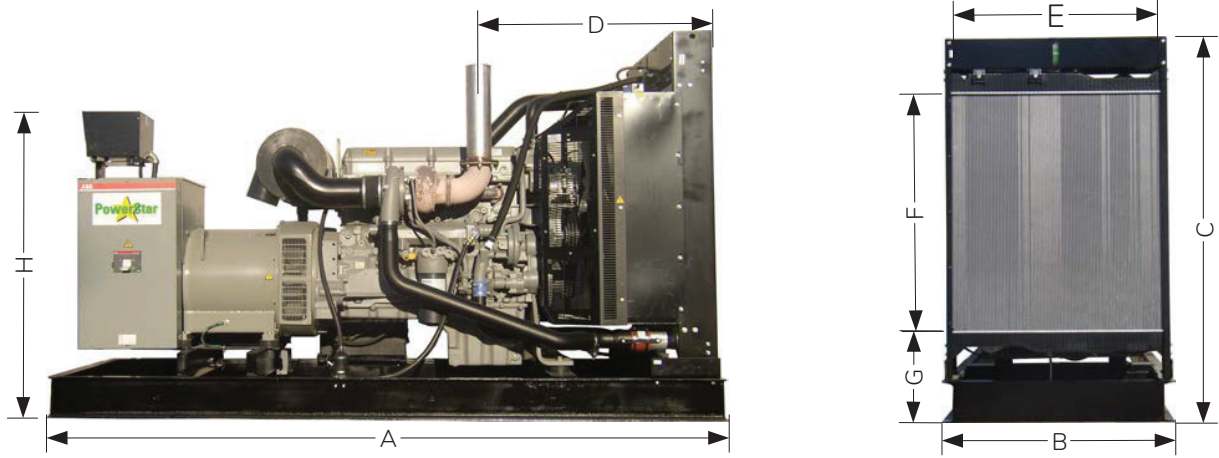
Optional Equipment

- 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 circuit 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
2D350P3	350	437.5	3	120/208	1800	1215	1200A
4D350P3	350	437.5	3	277/480	1800	526	600A
6D350P3	350	437.5	3	347/600	1800	421	600A
2D400P3	400	500	3	120/208	1800	1389	1600A
4D400P3	400	500	3	277/480	1800	602	600A
6D400P3	400	500	3	347/600	1800	481	600A
2D450P3	450	562.5	3	120/208	1800	1563	1600A
4D450P3	450	562.5	3	277/480	1800	677	800A
6D450P3	450	562.5	3	347/600	1800	541	600A

Dimensions



Model	A	B	C	D	E	F	G	H	Total Wt.
350 kW	132	44.5	76	45	41	47	17.5	64.5	6450 lbs.
400 kW	132	44.5	76	45	41	47	17.5	64.5	7000 lbs.
450 kW	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Specifications

TIER 3 Emissions	Units of Measurement	350 kW	400 kW	450 kW
Engine Model		2206D-E13TAG2	2206D-E13TAG3	2506D-E15TAG1
Horsepower		546	620	689
Type		6 cyl. Inline	6 cyl. Inline	6 cyl. Inline
Aspiration		Turbocharged/Intercooled	Turbocharged/Intercooled	Turbocharged/Intercooled
Bore x Stroke	mm (inches)	130 x 157 (5.11 x 6.18)	130 x 157 (5.11 x 6.18)	137 x 171 (5.4 x 6.7)
Displacement	litres (cubic inches)	12.5 (762)	12.5 (762)	15.2 (927.5)
Compression Ratio		16.3:1	16.3:1	16:1
Fuel Consumption 100% Load	Litre/hr (US gal/hr)	93 (24.57)	105 (27.74)	126 (33.28)
Fuel Consumption 75% Load	Litre/hr (US gal/hr)	67 (17.7)	73 (19.28)	93 (24.56)
Fuel Consumption 50% Load	Litre/hr (US gal/hr)	48 (12.7)	52 (13.74)	67 (17.69)
Battery Size	(Cranking Amps)	2 pcs 4D (1000)	2 pcs 4D (1000)	2 pcs 4D (1000)
Oil Capacity	Litres (US gal)	40 (10.5)	40 (10.5)	62 (16.4)
Coolant Capacity	Litres (US gal)	51.4 (13.5)	51.4 (13.5)	58 (15.3)
Thermostat Range	°C (°F)	87-98 (188-208)	87-98 (188-208)	87-98 (188-208)
Max Pressure Cap	kpa (psi)	70 (10.15)	70 (10.15)	90 (13.05)
Intake Air Flow	m³/min (cfm)	26.6 (939.3)	29.8 (1052.3)	41.5 (1465)
Exhaust Gas Temperature	°C (°F)	680 (1256)	680 (1256)	550 (1024)
Exhaust Gas Flow	m³/min (cfm)	76.6 (2705)	86.2 (3044)	112 (3955)
Heat Rejection to Coolant	BTU/min	N/A	N/A	N/A
Ambient Capacity of Radiator	°C (°F)	N/A	N/A	N/A
Max Allowable Back Pressure on Exhaust	kpa (in Hg)	10.0(2.95)	10.0(2.95)	6.8 (2.00)
Air Flow Required Through Radiator	m³/min (cfm)	N/A	N/A	N/A



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

Authorized Dealer Stamp:

