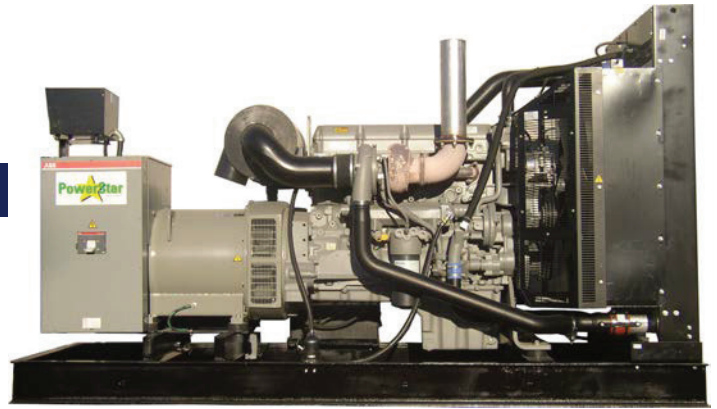




Perkins Diesel Direct Coupled to 1800 RPM Brushless Generator

- 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

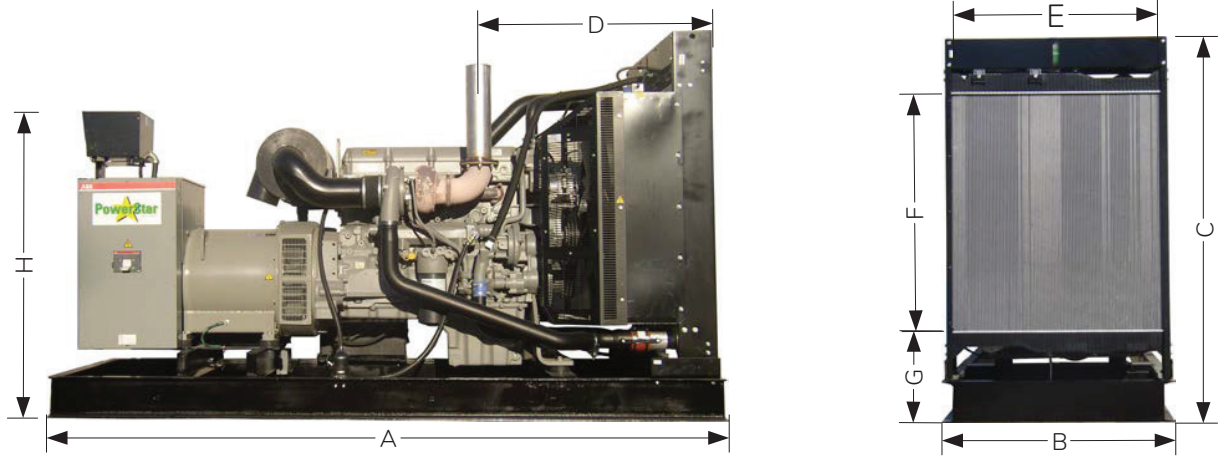
Optional Equipment

- 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
2D500P	500	625	3	120/208	1800	1736	N/A
4D500P	500	625	3	277/480	1800	752	800A
6D500P	500	625	3	347/600	1800	602	600A
2D550P	550	687.5	3	120/208	1800	1910	N/A
4D550P	550	687.5	3	277/480	1800	827	800A
6D550P	550	687.5	3	347/600	1800	662	800A
2D600P	600	750	3	120/208	1800	2084	N/A
4D600P	600	750	3	277/480	1800	903	1000A
6D600P	600	750	3	347/600	1800	722	800A

Dimensions



Model	A	B	C	D	E	F	G	H	Total Wt.
500 kW	140	44.5	77.5	47.5	41	46.5	20	68	8100 lbs.
550 kW	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
600 kW	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Specifications

TIER 2 Emissions	Units of Measurement	500 kW	550 kW	600 kW
Engine Model		2506C-E15TAG3	2506C-E15TAG4	2806C-E18TAG3
Horsepower		729	801	874
Type		6 cyl. Inline	6 cyl. Inline	6 cyl. Inline
Aspiration		Turbocharged/Intercooled	Turbocharged/Intercooled	Turbocharged/Intercooled
Bore x Stroke	mm (inches)	137 x 171 (5.39 x 6.73)	137 x 171 (5.39 x 6.73)	145 x 183 (5.70 x 7.20)
Displacement	litres (cubic inches)	15.2 (928)	15.2 (928)	18.1 (1104)
Compression Ratio		16:1	16:1	14.5:1
Fuel Consumption 100% Load	Litre/hr (US gal/hr)	132 (34.87)	146 (38.56)	158 (41.74)
Fuel Consumption 75% Load	Litre/hr (US gal/hr)	96 (25.36)	N/A	112 (29.59)
Fuel Consumption 50% Load	Litre/hr (US gal/hr)	77 (20.34)	N/A	79 (20.87)
Battery Size	(Cranking Amps)	2 pcs 4D (1000)	2 pcs 4D (1000)	2 pcs 8D (1200)
Oil Capacity	Litres (US gal)	60 (15.85)	60 (15.85)	62 (16.38)
Coolant Capacity	Litres (US gal)	58 (15.32)	58 (15.32)	61 (16.11)
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)	70 (10.15)
Intake Air Flow	m³/min (cfm)	42 (1483)	42 (1483)	52 (1836)
Exhaust Gas Temperature	°C (°F)	550 (1022)	550 (1022)	554 (1029)
Exhaust Gas Flow	m³/min (cfm)	112(3955)	120 (4237)	141 (4979)
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)	6.8 (2.00)	6.8 (2.00)	6.8 (2.00)
Air Flow Required Through Radiator	m³/min (cfm)	N/A	N/A	N/A



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Authorized Dealer Stamp: