

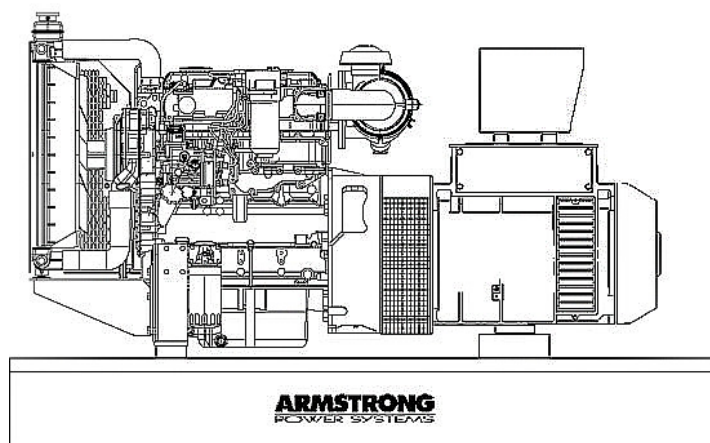
STANDARD FEATURES

- Rugged and reliable 4-cycle water-cooled **Perkins** diesel engine.
- Brushless, class H, drip-proof, 12-lead reconnectable alternator.
- Industrial silencer, protective raincap, elbow pipe, installation clamps.
- Automatic protection shutdown for abnormal temperature or pressure.
- Complete control panel with AC meters, engine gauges, battery charge voltmeter, phase selector switch, hourmeter and start key switch.
- Heavy-duty skid-type steel base frame.
- Integral in-base steel fuel tank with level gauge.
- Cooling radiator designed for tropical temperatures.
- Quality acrylic enamel protective paint.
- Battery, cables, rack, installation hardware.
- One year limited warranty on all components.
- Protective steel guards to isolate moving parts.
- Rubber mounting isolators between unit and frame.

OPTIONAL EQUIPMENT

- Weather and acoustic enclosures.
- Residential and critical silencers.
- Single phase upgrade alternator.
- Auto-start module.
- Electronic speed governor.
- Oversized fuel tank upgrade.
- Battery trickle charger.
- Flexible exhaust connector.

Many other options available

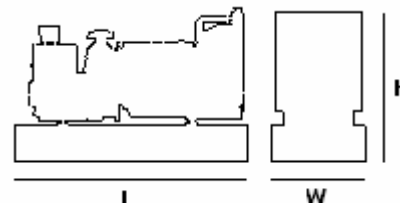


PERFORMANCES

RATINGS at 0.8 pf	1800 rpm – 60 Hz		1500 rpm – 50 Hz	
	STANDBY kW (kVA)	PRIME kW (kVA)	STANDBY kW (kVA)	PRIME kW (kVA)
RATED OUTPUT	45 (56.3)	40 (50)	40 (50)	36 (45)

Stand-By ratings are continuous electrical service during the interruption of normal power. No overload capacity is specified at these ratings. Prime ratings available with variable loads are continuous, 10% overload capacity for one hour in twelve hours periods.

Both ratings per BS 5514, DIN 6271, ISO-3046, Many industrial, commercial and residential voltages are available



TECHNICAL DATA

Engine Model:	1104C.44G	
Number of Cylinders:	4 in-Line 4 stroke	
Total displacement: in ³ (L)	268.5 (4.40)	
Bore / Stroke: in (mm)	4.10 (105.0) / 5.0 (127.0)	
Compression ratio:	19.25 : 1	
Induction System:	Natural Aspiration	
Combustion System:	Direct Injection	
Direction of rotation:	Anti – Clockwise viewed on flywheel	
Cooling System:	Water – Cooled	
Engine Speed:	1500 rpm	1800 rpm
BMEP: psi (kPa)	79 (545)	70.2 (484)
Piston Speed: ft/s (m/s)	25.0 (7.62)	20.8 (6.35)
Fuel Consumption: USg/h (L/h)	2.8 (10.6)	3.2 (12.1)
Heat Rejection to Exhaust Sys.: Btu/min (kW)	1992 (35)	2448 (43)
Heat Rejection to Water Lube oil: Btu/min (kW)	1366 (24)	1480 (26)
Heat Radiated to room: Btu/min (kW)	455 (8)	512 (9)
Exhaust Temperature: °F (°C)	1013 (545)	1040 (560)
Cooling Fan Air Flow: cfm (m ³ /min)	2055 (58.2)	2882 (81.6)
Combustion Air Flow: cfm (m ³ /min)	103 (2.92)	127 (3.6)
Exhaust Gas Flow: cfm (m ³ /min)	246 (6.96)	311 (8.40)

Note: Standard reference conditions 77°F (25°C) Air Inlet Temp, 500ft (152.4m), 60% relative humidity. All engine performance data based on the above mentioned maximum continuous ratings. Fuel consumption data at full load with diesel fuel with specific of 0.85

DIMENSIONS AND WEIGHT

	Units	Open Unit	Enclosed Unit	Sound Att. Unit
Length	In. (mm)	77 (1956)	77 (1956)	87 (2210)
Width	In. (mm)	37 (940)	37 (940)	37 (940)
Height	In. (mm)	52 (1321)	64 (1626)	64 (1626)
Weight	Lbs (kg)	2055 (932)	2175 (987)	2225 (1009)

General configuration for reference only, do not use these dimensions for installation purposes. Contact your local dealer for certified drawings.

ARMSTRONG POWER SYSTEMS

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