

AMERICA Model / Powered by DEUTZ 1011 Series

Mounting Arrangement: Engine and alternator coupled directly by means of a flexible disk, mounted on a reinforced steel base frame including anti-vibration isolators ensuring a vibration free standing generating set (**Units include a non-UL listed, single wall tank**). The assembly is made according to EEC regulations. Open set versions include industrial type silencers which are shipped loose.

Deutz 1011 Series Engine: Four stroke, direct injection, air cooled Diesel engines manufactured with the latest technology. The engine's low exhaust and sound emissions comply with environmental EPA standards (confirmation plates come on all engines). Low fuel and oil consumption together with low maintenance costs make the 1011 series engine an extraordinary product allowing to maintain operating costs at affordable levels. In addition, the engines' load acceptance capacity ensures instant electricity supply.

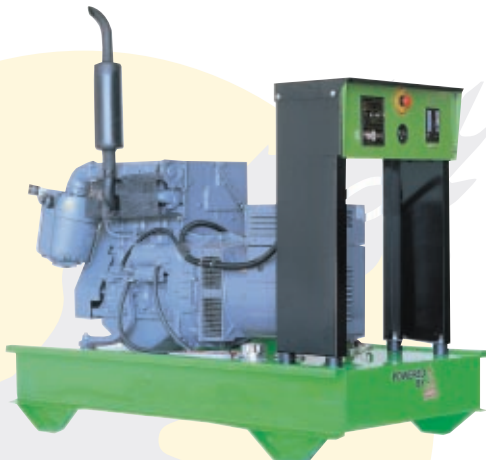
Engine power: Emergency power according to ISO 3046 (IFN3) at variable load measured at 300 m.a.s.l. and 25°C ambient temperature.

Alternator: Newage Stamford, brushless, self-excited, self regulated with electronic voltage regulation (AVR), four poles for single phase, 12 lead reconnectable up to 480 volt for three phase, IP 23 protection and class F insulation.

Control panel:

- Digital control unit for control and protection of the generating set including:
 - Condition of the generating set, measurements, alarm messages and others are shown on the LCD display. All messages can be deleted with the reset button.
 - Measurements: Generator frequency, voltage and amperes, working hour meter and battery voltage.
 - Alarms: Low oil pressure, low fuel level, cooling belt failure, over-speed/over-start, generator voltage out of margin, over-current of the generator, frequency out of margin and start failure.
 - Adjusting parameters: Several parameters are programmable. For more information refer to the operation manual.
 - Functioning mode: Automatic, manual, test, program, reset and disconnected.
- Emergency stop push button
- Sound alarm.

Super soundproof enclosure: The modular structure base frame (easy assembly) is made of pressure bent steel profiles. A rock-wool layer of insulation, which complies with prevailing regulations, accomplishes the sound attenuating elements. Includes hot ambient air extraction fan, critical type silencer and flexible connector included.



Genset Model	PAD 13.5 M AM	PAD 20 M AM	PAD 27.5 M AM	PAD 13.5 T AM	PAD 20 T AM	PAD 27.5 T AM
Emergency power (kW)	13.5	20	27.5	13.5	20	27.5
Frequency (Hz)	60	60	60	60	60	60
Voltage (V) - Single Phase = Dedicated Single phase Three Phase = Reconnectable	120 / 240	120 / 240	120 / 240	208 / 120	208 / 120	208 / 120
Engine model	F2L 1011F	F3L 1011F	F4L 1011F	F2L 1011F	F3L 1011F	F4L 1011F
Cylinders	2	3	4	2	3	4
Aspiration	Natural	Natural	Natural	Natural	Natural	Natural
Displacement (c.c.)	1,366	2,050	2,730	1,366	2,050	2,730
Compress ratio	18.5	18.5:1	18.5:1	18.5	18.5:1	18.5:1
R.M.M.	1,800	1,800	1,800	1,800	1,800	1,800
Cooling	Air	Air	Air	Air	Air	Air
Fuel consumption 100% load (l/h / G/B)	3.1/1	6.3/1.7	8.0/2.1	3.8/1	6.3/1.7	8.0/2.1
Fuel consumption 75% load (l/h / G/B)	2.3/0.78	4.6/1.2	6.1/1.6	3.0/0.78	4.6/1.2	6.1/1.6
Fuel consumption 50% load (l/h / G/B)	1.3/0.60	3.4/0.9	4.4/1.2	2.3/0.60	3.4/0.9	4.4/1.2
Exhaust temp (°C)	560	560	560	560	560	560
Exhaust gases flow (m ³ /h)	188	282	376	188	282	376
Cooling air flow (m ³ /h)	1,230	1,420	1,900	1,230	1,420	1,900
Combustion air flow (m ³ /h)	66	100	133	66	100	133
Alternator	Newage	Newage	Newage	Newage	Newage	Newage
Alternator model	BCI 164 C	BCI 184 E	BCI 184 F	BCI 164 C	BCI 184 E	BCI 184 F

Single phase: other voltage available upon request.

Three phase: 12 lead reconnectable voltage up to 480 v

Emergency power: No overload capacity

Fuel Tanks are non UL. Listed Single Phase

OPEN SET VERSIONS

Genset Model	PAD 13.5 M AM	PAD 20 M AM	PAD 27.5 M AM	PAD 13.5 T AM	PAD 20 T AM	PAD 27.5 T AM
Fuel Tank Capacity (l/G)	56/14.8	56/14.8	56/14.8	56/14.8	56/14.8	56/14.8
Dimensions (inches/centimeters)						
Length:	60/152.4	60/152.4	60/152.4	60/152.4	60/152.4	60/152.4
Width:	30/76.2	30/76.2	30/76.2	30/76.2	30/76.2	30/76.2
Height:	37/94	37/94	37/94	37/94	37/94	37/94
Weight (kg / lbs.)	460/1,000	500/1,100	550/1,220	460/1,000	500/1,100	550/1,220

Fuel Tanks are non UL. Listed Single Phase

SOUNDPROOF VERSIONS

Genset Model	PAD 13.5 M AM	PAD 20 M AM	PAD 27.5 M AM	PAD 13.5 T AM	PAD 20 T AM	PAD 27.5 T AM
Noise level dB(A), 7m	70	70	70	70	70	70
Noise level, dB(A), 1 m	79	79	79	79	79	79
Fuel Tank Capacity (l/G)	68/18	68/18	68/18	68/18	68/18	68/18
Dimensions (inches/centimeters)						
Length:	67/170	67/170	79/200.7	67/170	67/170	79/200.7
Width:	40/102	40/102	40/102	40/102	40/102	40/102
Height:	56/142	56/142	56/142	56/142	56/142	56/142
Weight (kg / lbs.)	640/1,400	700/1,550	810/1,790	640/1,400	700/1,550	810/1,790

Weight including coolant and lubricant.