

USA Model / Powered by DEUTZ 912 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 (USA models do not include fuel tanks). The assembly is made according to EEC regulations. Open set versions include industrial type silencers and are shipped loose.

Deutz 912 Series Engine: Four stroke, direct injection, air cooled Diesel engine, known world-wide as “universal” engines. The engine’s reduced dimensions makes this series appropriate to power gen sets. Its’ easy maintenance, longevity and exhaust emissions compliance makes this engine the best choice for producing clean energy. The engine’s low exhaust and sound emissions comply with environmental EPA standards (confirmation plates come on all engines).

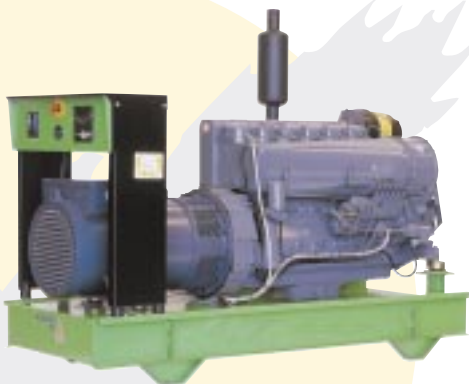
Engine power: Emergency power according to ISO 3046 (IFN3) at variable load measured at 300 m.a.s.l. and 25°C ambient temperature.

Alternator: Stamford, brushless, self-excited, self regulated with electronic voltage regulation (AVR), four poles, IP 23 protection for PAD 30 M USA and PAD 30 USA models and IP 22 for the rest. Class H insulation.

Control panel:

- AMT-910 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, 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.
- Oil pressure analogue gauge.
- Selector switch for the voltmeter.
- Selector switch for the amp-meter.
- Emergency 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.



Genset Model	PAD 30 M USA	PAD 40 M USA	PAD 60 M USA	PAD 30 T USA	PAD T 40 USA	PAS 60 T USA
Emergency power (kWe)	30	40	60	30	40	60
Frequency (Hz)	60	60	60	60	60	60
Voltage (V)	Single phase 120 / 240	Single phase 120 / 240	Single phase 120 / 240	Three phase 208 / 120	Three phase 208 / 120	Three phase 208 / 120
Engine model	FEL 912 GEN	F4L 912 GEN	F6L 912 GEN	F3L 912 GEN	F4L 912 GEN	F6L 912 GEN
Cylinders	3	4	6	3	4	6
Aspiration	Natural	Natural	Natural	Natural	Natural	Natural
Displacement (c.c.)	2.827	3.770	5.644	2.827	3.770	5.644
Compress ratio	20,0:1	20,0:1	20,0:1	20,0:1	20,0:1	20,0:1
R.P.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/h)	8,7/2,3	11,8/3,12	19,7/4,7	8,7/2,3	11,8/3,12	17,9/4,7
Fuel consumption 75% load (l/h / G/h)	6, 6/1,7	8,9/2,4	13,4/3,6	6,6/1,7	8,9/2,4	13,4/3,6
Fuel consumption 50% load (l/h / G/h)	4,7/1,2	6,3/1,7	9,5/2,5	4,7/1,2	6,3/1,7	9,5/2,5
Exhaust temp. (°C)	540	550	555	540	550	555
Exhaust gases flow (m ³ /h)	357	483	728	357	483	728
Cooling air flow (m ³ /h)	2.813	3.255	4.703	2.813	3.255	4.703
Combustion air flow (m ³ /h)	137	183	274	137	183	274
Alternator	Newage	Newage	Newage	Newage	Newage	Newage
Alternator model	BCI 184 G	UCI 224 D	UCI 224 F	BCI 184 F	UCI 224 D	UCI 224 F

Single phase: other voltages available upon request.

Three phase: 12 lead reconnectable voltage up to 480 v.

Emergency power: No overload capacity.

OPEN SET VERSIONS

Genset Model	PAD 30 M USA	PAD 40 M USA	PAD 60 M USA	PAD 30 T USA	PAD T 40 USA	PAS 60 T USA
Dimensions (inches)	Length: Width: Height:	61 30 48	67 30 48	87 30 48	61 30 48	67 87 30 30 48 48
Weight (kg / lbs.)	700/1.550	750/1.660	930/2.050	700/1.550	750/1.660	930/2.050

SOUNDPROOF VERSIONS

Genset Model	PAD 30 M USA	PAD 40 M USA	PAD 60 M USA	PAD 30 T USA	PAD 40 T USA	PAS 60 T USA
Noise level dB(A), 7m	70	70	70	70	70	70
Noise level, dB(A), 1 m	79	79	79	79	79	79
Dimensions (inches)	Length: Width: Height:	95 44 65	95 44 65	103 44 65	95 44 65	95 103 44 44 65 65
Weight (kg / lbs.)	1.195/2.640	1.220/2.690	1.400/3.090	1.220/2.690	1.220/2.690	1.400/3.090

Weight including coolant and lubricant.



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