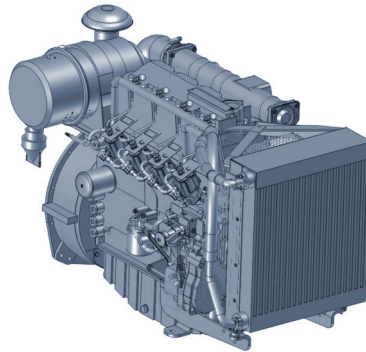


# D 2011L

for generator sets

12 - 31 kW | 16 - 41 hp at 1500 min<sup>-1</sup>|rpm  
EU Stage IIIA

- Oil-cooled 2-, 3- and 4-cylinder naturally aspirated in-line engines.
- Direct injection with single injection pumps and optional electronic governor.
- Minimised running costs due to low maintenance need and little wear.
- Best cold starting performance even under extreme conditions.



- The robust engine design allows worldwide operation even with high sulphur fuels.
- Low fuel consumption due to optimised combustion.
- Long oil change intervals of up to 1000 hours.
- A very good load response ensures an immediate power supply.

## Technical data

Engine type		D 2011L02	D 2011L03	D 2011L04
No. of cylinders		2	3	4
Bore/stroke	mm   in	94/112   3.7/4.4	94/112   3.7/4.4	94/112   3.7/4.4
Displacement	l   cu in	1.6   95	2.3   142	3.1   190
Weight (incl. cooler and fan)	kg   lb	224   494	265   584	303   668
Governing standard <sup>1)</sup>		G2	G2	G2

## 50 Hz / 1500 min<sup>-1</sup>

Power		D 2011L02	D 2011L03	D 2011L04
Continuous Power (COP) <sup>2)</sup>	kW   hp	11.8   15.8	19.4   26.0	27.9   37.4
Prime Power (PRP) <sup>3)</sup>	kW   hp	12.4   16.6	20.4   27.4	29.4   39.4
Limited Time Power (LTP) <sup>4)</sup>	kW   hp	13.0   17.4	21.4   28.7	30.9   41.4
Fan power consumption	kW   hp	0.4   0.5	0.4   0.5	0.4   0.5
Typical Generator Output COP <sup>5)</sup>	kVA	13	21	31
Typical Generator Output PRP <sup>5)</sup>	kVA	13	22	33
Typical Generator Output LTP <sup>5)</sup>	kVA	14	23	34

1) According to ISO 8528-5.

2) Continuous Power: No time limitation, plus 10% additional power for governing purpose only.

3) Prime Power: Average power output ≤ 80%, no time limitation, plus 5% additional power for governing purpose only.

4) Limited Time Running Power: For up to 500 h/year, thereof a maximum of 300 h/year continuous running.

5) In consideration of a generator efficiency level of 89 - 90 % and a power factor of 0.8.

The data on this data sheet are for information purposes only and are not binding values. The data in the quotation is definitive.

## 50 Hz / 1500 min<sup>-1</sup>

Fuel Consumption (PRP) <sup>1)</sup>		D 2011L02	D 2011L03	D 2011L04
Fuel consumption 25% load	g/kWh   lb/hph	305   0.50	303   0.50	268   0.44
Fuel consumption 50% load	g/kWh   lb/hph	250   0.41	240   0.39	230   0.38
Fuel consumption 75% load	g/kWh   lb/hph	239   0.39	228   0.37	220   0.36
Fuel consumption 100% load	g/kWh   lb/hph	248   0.41	237   0.39	226   0.37

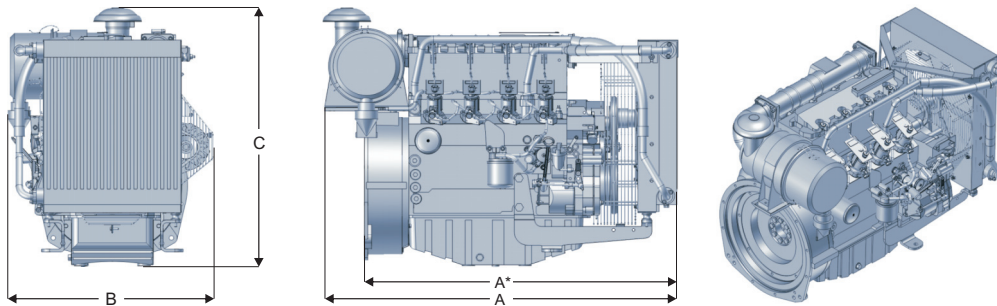
Heat balance & cooling system		D 2011L02	D 2011L03	D 2011L04
Heat dissipation (engine radiator) <sup>2)</sup>	kW   hp	6.8   9.1	10.9   14.6	16.1   21.6
Heat dissipation (convection)	kW   hp	2.2   3.0	2.7   3.6	4.0   5.4
Cooling air flow	m <sup>3</sup> /h   cfm	1800   1059	1800   1059	1800   1059

Inlet & exhaust data		D 2011L02	D 2011L03	D 2011L04
max. intake depression	mbar   psi	20   0.29	20   0.29	20   0.29
Combustion air volume	m <sup>3</sup> /h   cfm	61   34	86   51	122   72
max. exhaust gas temperature	°C   °F	540   1004	611   1132	599   1110
Exhaust gas flow	m <sup>3</sup> /h   cfm	169   99	236   139	337   198

1) Refers to diesel with a density of 0.835 kg/dm<sup>3</sup> at 15°C | 6.96 lb/US gallon at 60°F.

2) The heat quantities are valid for the dimensioning of the cooling system.

## Dimensions



		A	A*	B	C
D 2011L02	mm   in	845   33	720   28	645   25	760   30
D 2011L03	mm   in	955   38	830   33	645   25	760   30
D 2011L04	mm   in	1065   42	940   37	645   25	780   31

Note: The engine dimensions and weights vary depending on the scope of delivery.

For more information please contact the DEUTZ AG Köln or the responsible sales partner.