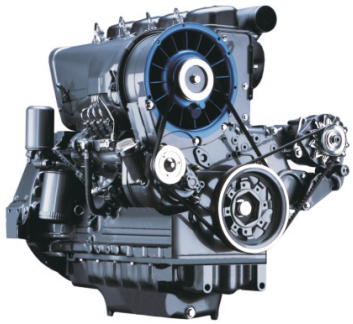
FL 912/W

for mobile machinery

24 - 82 kW|31 - 110 hp at 1500 - 2500 min^{-1}|rpm
China stage II

- W engines with indirect injection to reduce emissions.
- Air-cooled 3 to 6-cylinder naturally aspirated engines in inline arrangement.
- Capacity: 1.1 l/cylinder, modular system with single cylinders.
- The robust engine design allows worldwide operation even with high sulphur fuels.
- Low noise emissions due to acoustically optimized components with very smooth running and high durability.



- Highly efficient injection and combustion system ensures optimum engine performance at low consumption.
- Flywheel and end 100% power takeoff possibilities PTO drives for hydraulic pumps and compressor possible, only a few maintenance points, long oil change intervals.
- Very compact engine design reduces the installation costs.
- Best cold starting performance even under extreme conditions.
- The W engines fulfil the requirements of the China stage II.

Technical data

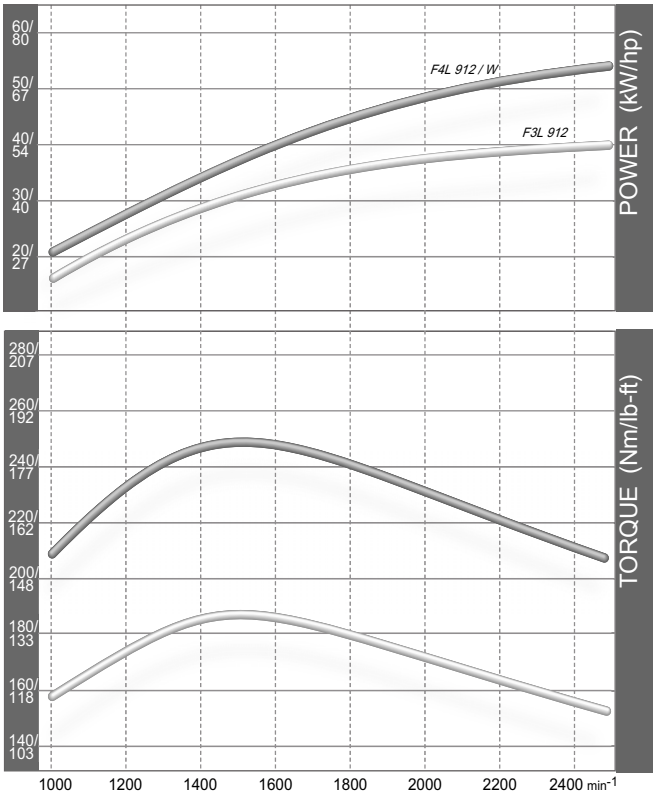
Engine type		F3L912	F4L912 / W	F5L912 / W	F6L912 / W
No. of cylinders		3	4	5	6
Bore/stroke	mm | in	102/132 |4.02/5.20	102/132 |4.02/5.20	102/132 |4.02/5.20	102/132 |4.02/5.20
Displacement	l | cu in	3.23 |197.1	4.31 |263.0	5.35 |326.5	6.47 |394.8
Maximum nominal speed	min^{-1} | rpm	2500	2500	2500	2500

Power output[1)]		F3L912	F4L912 / W	F5L912 / W	F6L912 / W
Power output as per ISO 14396	kW | hp	40 |54	54/46 |72/62	68/57 |91/76	82/69 |110/93
at speed	min^{-1} | rpm	2500	2500	2500	2500
Max. torque	Nm | lb/ft	185 |136.4	247 |182.2	308 |227.2	370 |272.9
at speed	min^{-1} | rpm	1450	1450	1450	1450
Minimum idling speed	min^{-1} | rpm	650	650	650	650
Specific fuel consumption[2)]	g/kWh | lb/hph	225 |0.370	225 |0.370	225 |0.370	225 |0.370
Weight as per DIN 70020 Part 7A[3)]	kg | lb	277 |611	307 |677	380 |838	430 |948

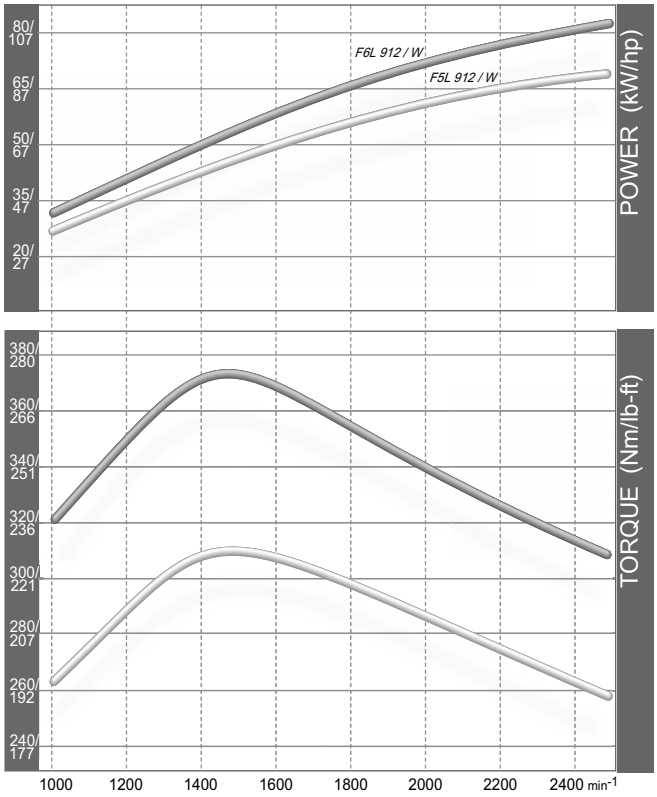
1) Net capacity data with a deduction for fan performance.
2) Best full load consumption, relates to diesel fuel with a density of 0.835 kg/dm^3 at 15°C.
3) Without starter/dynamo, but with a flywheel and flywheel housing.

Torque curve

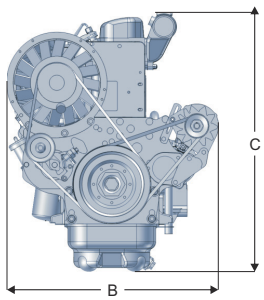
F3L912 / F4L912/W

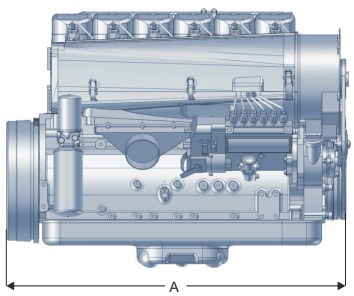


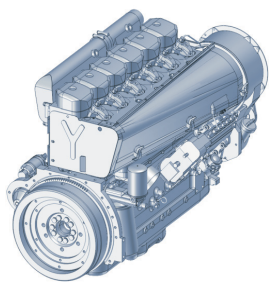
F5L912/W / F6L912/W



Dimensions







		A	B	C
F3L912	mm | in	697 |27.44	679 |26.73	796 |31.34
F4L912 / W	mm | in	807 |31.77	679 |26.73	796 |31.34
F5L912 / W	mm | in	954 |37.56	679 |26.73	833 |32.80
F6L912 / W	mm | in	1084 |42.68	679 |26.73	806 |31.73

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

Order no. 0031 2421 / 11 / 2012 / VC-CM

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

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