

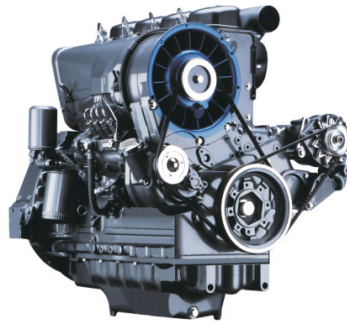
FL 912 / W

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.

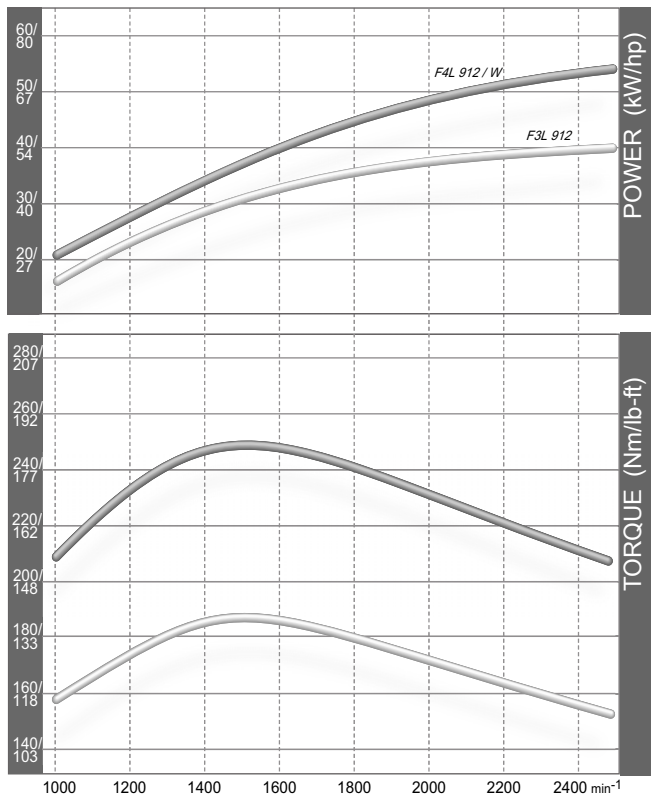
2) Best full load consumption, relates to diesel fuel with a density of 0.835 kg/dm³ at 15°C.

3) Without starter/dynamo, but with a flywheel and flywheel housing.

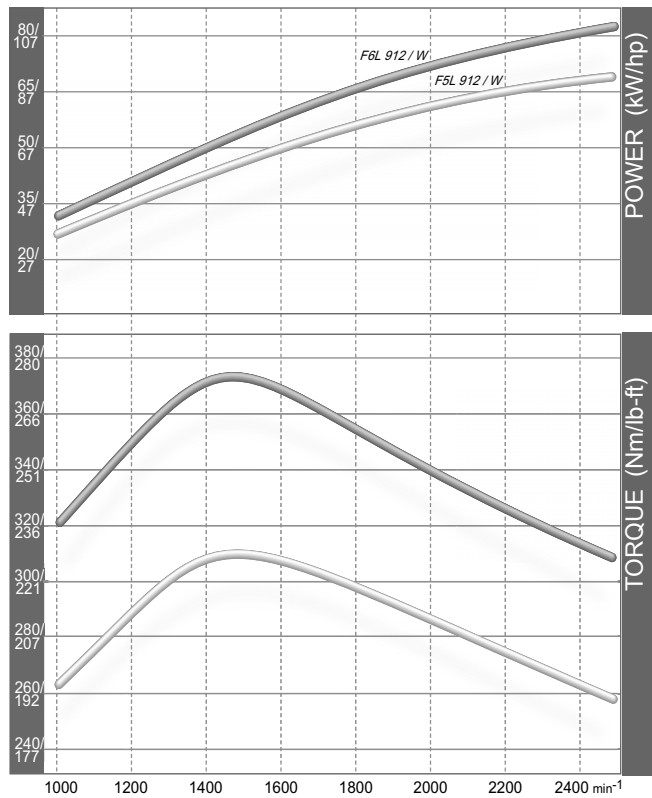
The data on this data sheet are for information purposes only and are not binding values. The data in the quotation is definitive.

Torque curve

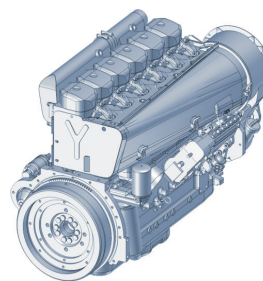
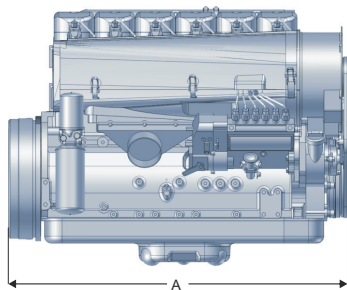
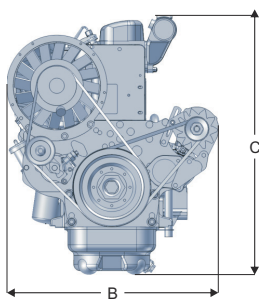
F3L912 / F4L912/W



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.

