

# ДВИГАТЕЛИ ДЛЯ ГОРНОДОБЫВАЮЩЕЙ ТЕХНИКИ СЕРИИ FL 912/W



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Астана (7172)727-132  
Астрахань (8512)99-46-04  
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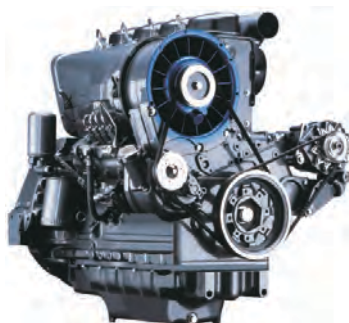
# FL 912 / W

for mobile machinery

24 - 82 kW | 31 - 110 hp at 1500 - 2500 min<sup>-1</sup> | 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 <sup>-1</sup>   rpm	2500	2500	2500	2500

Power output <sup>1)</sup>		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 <sup>-1</sup>   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 <sup>-1</sup>   rpm	1450	1450	1450	1450
Minimum idling speed	min <sup>-1</sup>   rpm	650	650	650	650
Specific fuel consumption <sup>2)</sup>	g/kWh   lb/hph	225   0.370	225   0.370	225   0.370	225   0.370
Weight as per DIN 70020 Part 7A <sup>3)</sup>	kg   lb	277   611	307   677	380   838	430   948

1) Net capacity data with a deduction for fan performance.

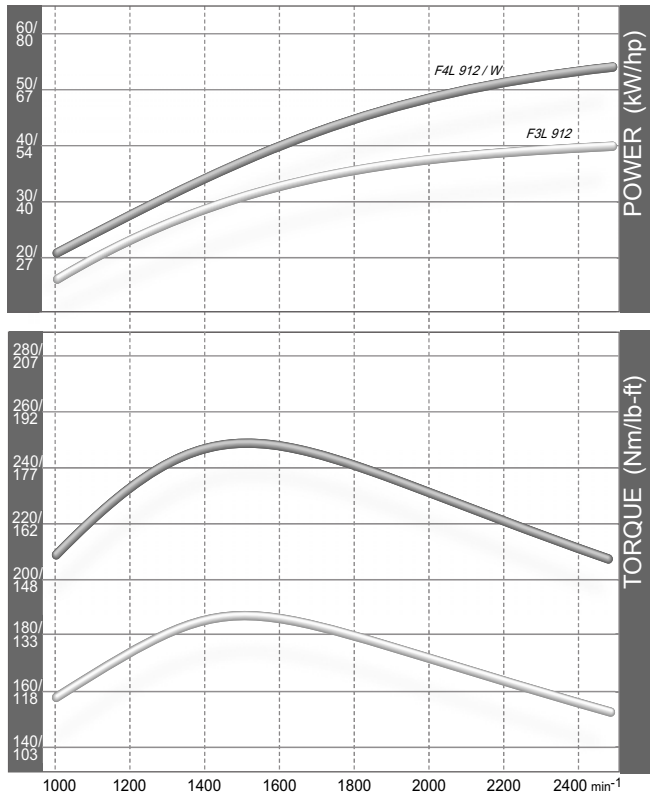
2) Best full load consumption, relates to diesel fuel with a density of 0.835 kg/dm<sup>3</sup> at 15°C.

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

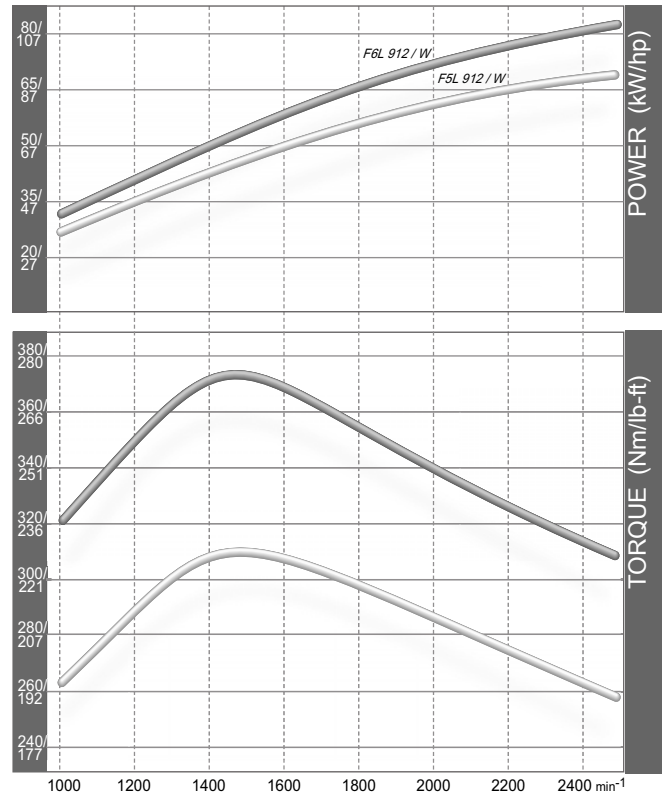
The data on this data sheet are for information purposes only and are not binding values. The data in the quotation is definitive.

## Torque curve

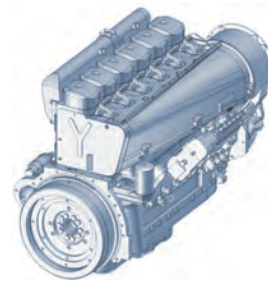
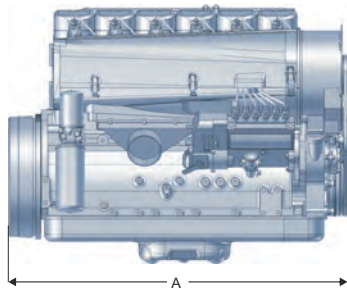
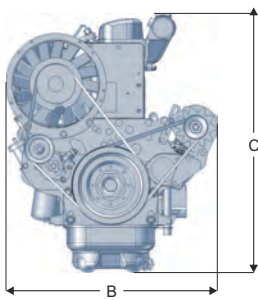
F3L912 / F4L912/W



F5L912/W / F6L912/W

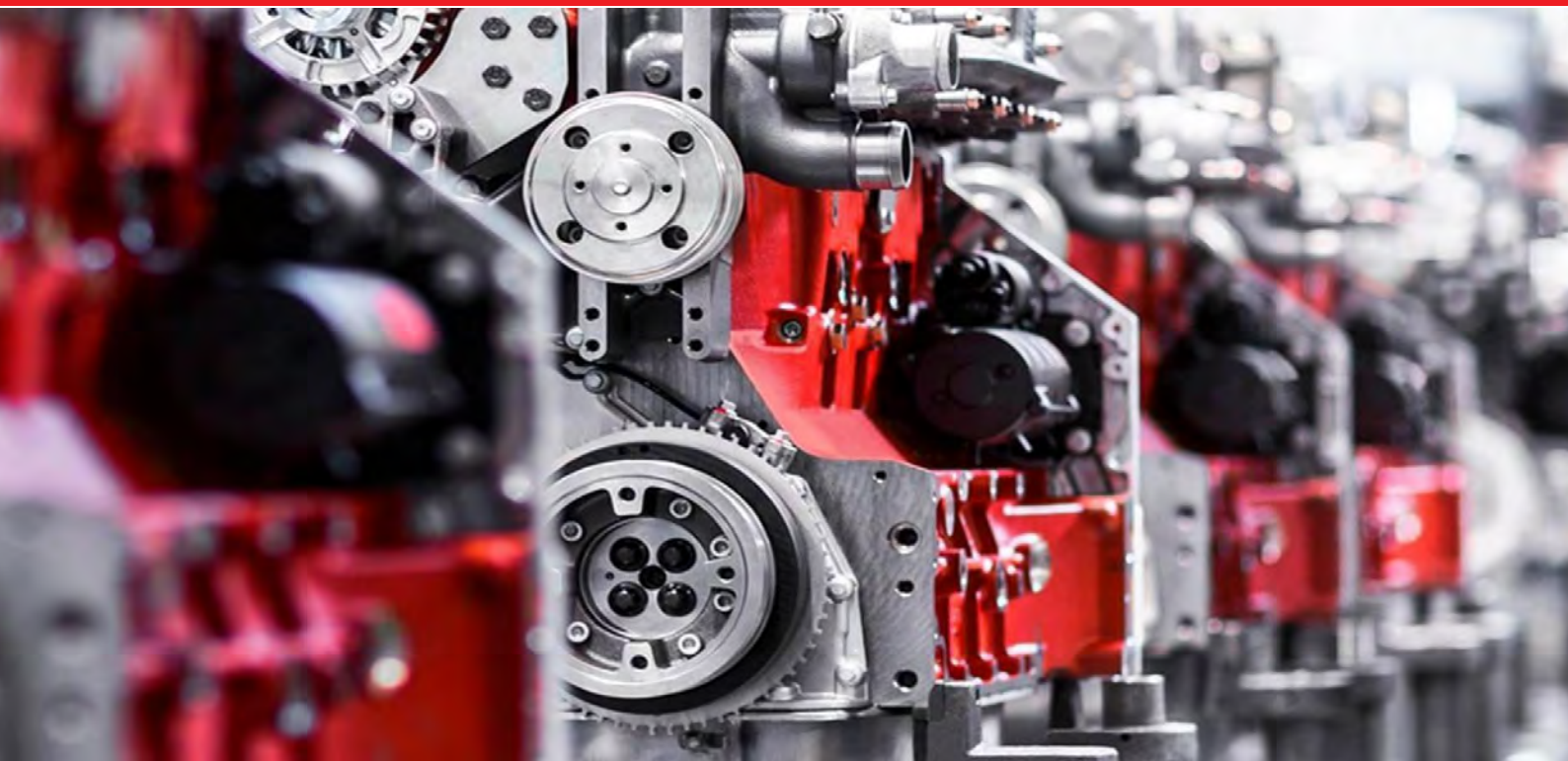


## Dimensions



		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.



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