

# ДВИГАТЕЛИ ДЛЯ СТРОИТЕЛЬНОЙ ТЕХНИКИ СЕРИИ BFL 914



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# BFL914

For mobile machinery

46.2 - 129.9 kW | 61.9 - 174.2 hp at 2500 min<sup>-1</sup> | rpm

EU Stage II / US EPA Tier 2

- Air-cooled 3 to 6-cylinder naturally aspirated engines in inline arrangement.
- 4 and 6 cylinder engines also with turbocharging and optional electronic engine control (EMR) for easy integration into electronic equipment control and monitoring.
- The 6 cylinder engine with turbocharging is also available with charge air cooling.
- Easy, inexpensive installation due to minimum weight and small installation space.



- Low noise emissions due to acoustically optimized components with very smooth running and high durability.
- The robust engine design allows worldwide operation even with high sulphur fuels.
- Highly efficient injection and combustion system ensures optimum engine performance at low consumption.
- Best cold starting performance even under extreme conditions.

## Technical data

Engine type		F3L 914	F4L 914	F5L 914	F6L 914
No. of cylinders		3	4	5	6
Bore/stroke	mm   in	102/132   4.02/5.2	102/132   4.02/5.2	102/132   4.02/5.2	102/132   4.02/5.2
Displacement	l   cu in	3.2   197	4.3   263	5.4   329	6.5   395
Nominal speeds	min <sup>-1</sup>   rpm	2500	2500	2500	2500

Engine type		F3L 914	F4L 914	F5L 914	F6L 914
Power output as per ISO 14396 <sup>1)</sup>	kW   hp	46.2   61.9	61.5   82.4	74.9   100.4	92.2   123.6
at speed	min <sup>-1</sup>   rpm	2500	2500	2500	2500
Max. torque	Nm   lb/ft	202   149	270   199	333   246	400   295
at speed	min <sup>-1</sup>   rpm	1500	1500	1500	1500
Minimum idling speed	min <sup>-1</sup>   rpm	650	650	650	650
Specific fuel consumption <sup>2)</sup>	g/kWh   lb/hph	215   0.35	215   0.35	215   0.35	217   0.36
Weight as per DIN 70020 Part 7A <sup>3)</sup>	kg   lb	277   611	307   677	380   838	430   948

1) Power data without deduction of fan power.

2) Best point consumption refers to diesel with a density of 0.835 kg/dm<sup>3</sup> at 15°C.

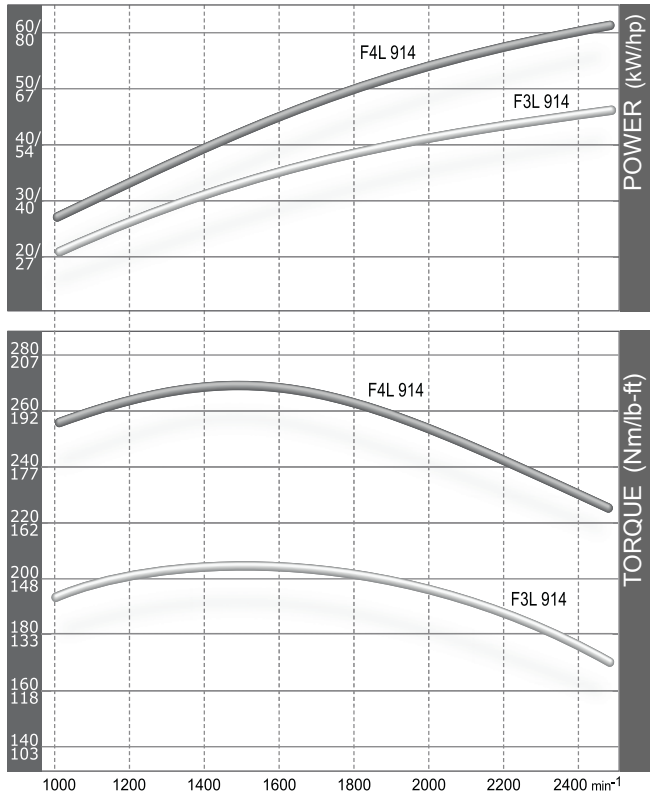
3) Without starter/alternator, cooler and fluids but with flywheel and flywheel housing.

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

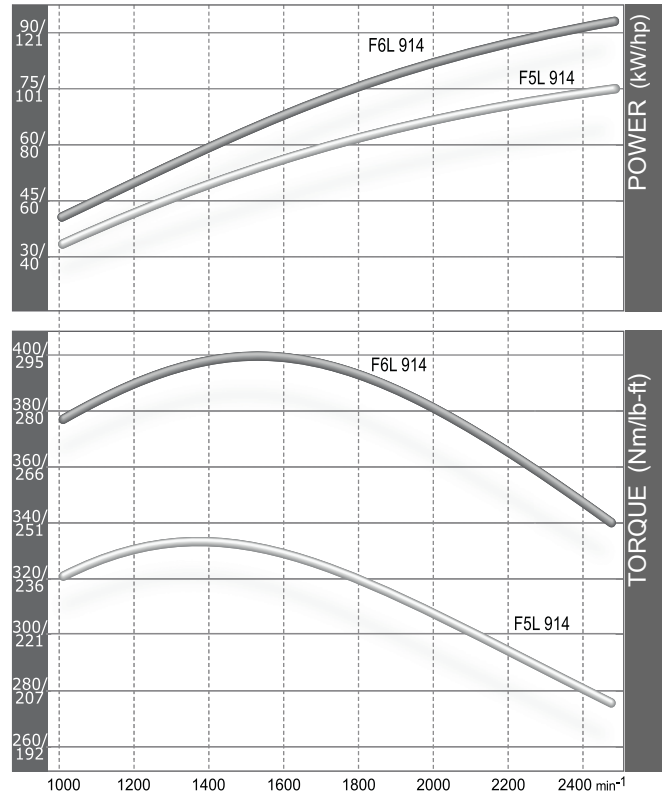
F3L 914 - 46.2 kW|61.9 hp

F4L 914 - 61.5 kW|82.4 hp

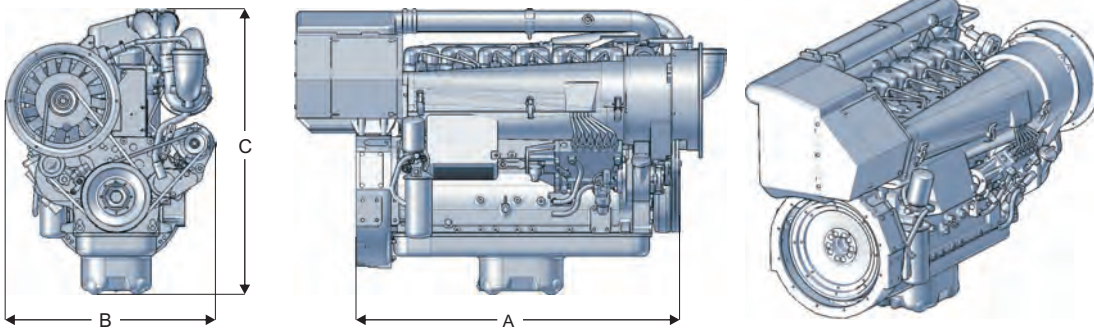


F5L 914 - 74.9 kW|100.4 hp

F6L 914 - 92.2 kW|123.6 hp



## Dimensions



		A	B	C
F3L 914	mm   in	708   28	646   25	802   32
F4L 914	mm   in	838   33	646   25	799   31
F5L 914	mm   in	965   38	675   27	839   33
F6L 914	mm   in	1084   43	676   27	869   34
BF4L 914	mm   in	820   32	669   26	823   32
BF6L 914	mm   in	1166   46	683   27	886   35
BF6L 914C	mm   in	1166   46	683   27	919   36

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

## Technical data

Engine type		BF4L 914	BF6L 914	BF6L 914C
No. of cylinders		4	6	6
Bore/stroke	mm   in	102/132   4.02/5.2	102/132   4.02/5.2	102/132   4.02/5.2
Displacement	cu in	4.3   263	6.5   395	6.5   395
Nominal speeds	min <sup>-1</sup>   rpm	2500	2500	2500

Engine type		BF4L 914	BF6L 914	BF6L 914C
Power output as per ISO 14396 <sup>1)</sup>	kW   hp	74.9   100.4	114.9   154.0	129.9   174.2
at speed	min <sup>-1</sup>   rpm	2500	2500	2500
Max. torque	Nm   lb/ft	355   262	550   406	550   406
at speed	min <sup>-1</sup>   rpm	1600	1600	1600
Minimum idling speed	min <sup>-1</sup>   rpm	650	650	650
Specific fuel consumption <sup>2)</sup>	g/kWh   lb/hph	235   0.39	230   0.38	215   0.35
Weight as per DIN 70020 Part 7A <sup>3)</sup>	kg   lb	350   772	485   1069	510   1124

1) Power data without deduction of fan power.

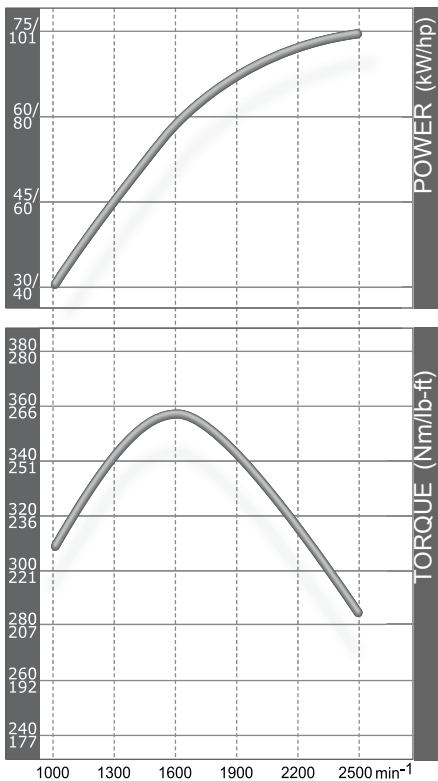
2) Best point consumption refers to diesel with a density of 0.835 kg/dm<sup>3</sup> at 15°C.

3) Without starter/alternator, cooler and fluids but with flywheel and flywheel housing.

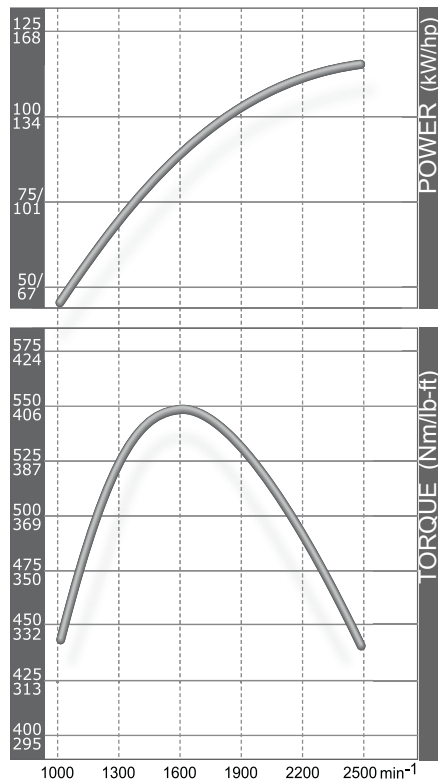
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## Torque curve

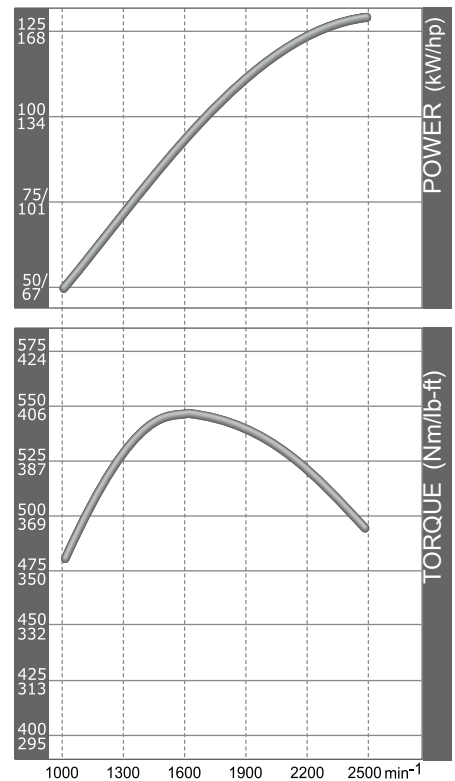
**BF4L 914 - 74.9 kW|100.4 hp**

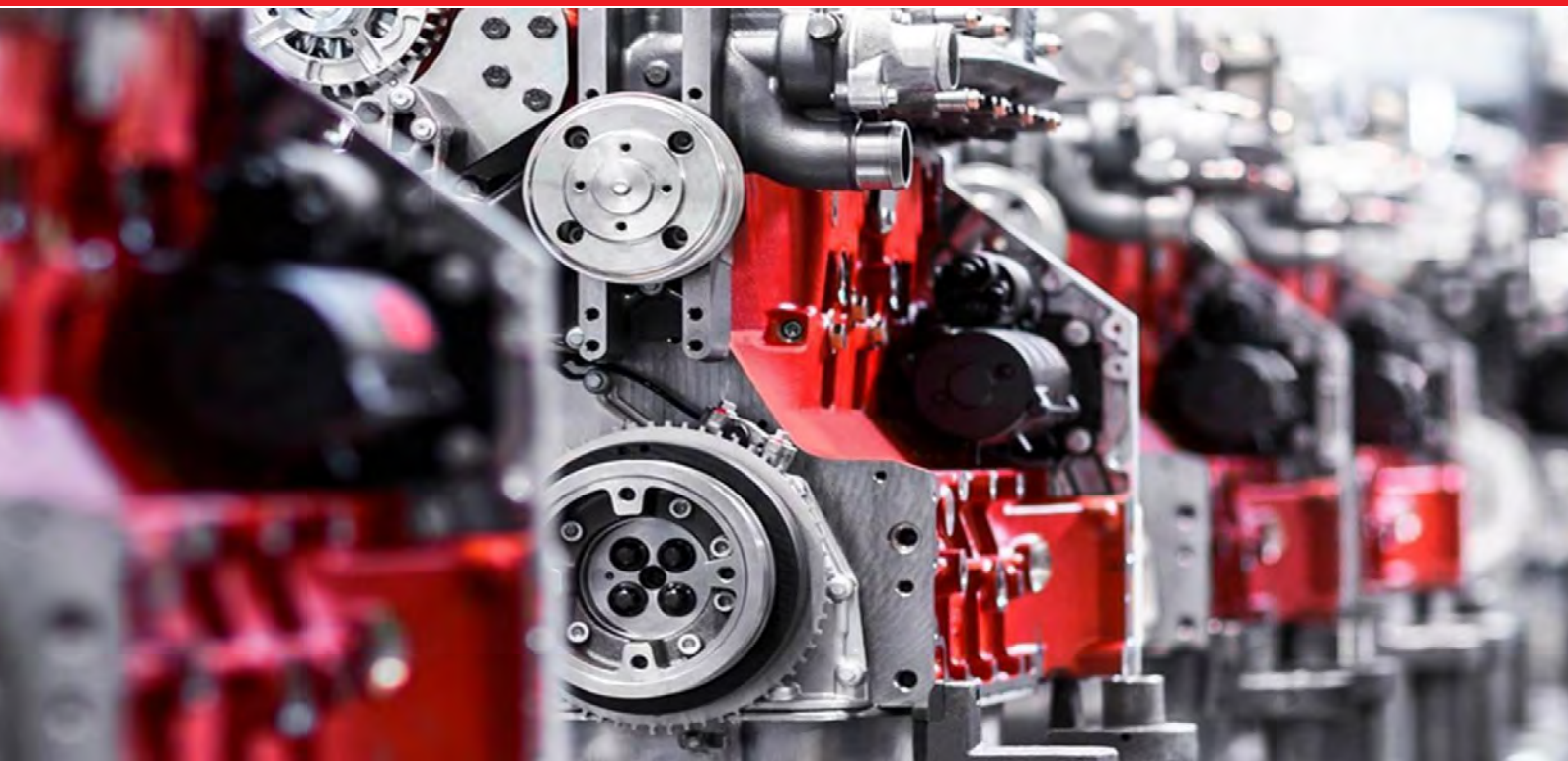


**BF6L 914 - 114.9 kW|154.0 hp**



**BF6L 914C - 129.9 kW|174.2 hp**





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