

FL912

for marine applications

35 - 66 kW | 47 - 89 hp at 1500 - 2500 min⁻¹ | rpm
emission certified & type approved

- Air-cooled 3 to 6-cylinder naturally aspirated engines in inline arrangement.
- The very compact engine design and the flexibility of the positioning of the unit reduce the installation costs.
- Low fuel consumption, low maintenance costs and long life reduce the running costs.



- Due to the air cooling, the integration of the engine into the classic engine-cooling version of marine engines is omitted. Installation of the unit onto the deck is possible.
- The robust engine design allows worldwide operation even with high sulphur fuels.

Technical data

Engine type		F3L 912	F4L 912	F5L 912	F6L 912
No. of cylinders		3	4	5	6
Bore/stroke	mm in	102/125 4.02/4.92	102/125 4.02/4.92	102/125 4.02/4.92	102/125 4.02/4.92
Displacement	l cu in	3.6 220	4.1 249	5.1 312	6.1 374
Compression ratio		17:1	17:1	17:1	17:1
Nominal speeds propulsion engines	min ⁻¹ rpm	1500 - 2500	1500 - 2500	1500 - 2500	1500 - 2500
Nominal speeds auxiliary engines	min ⁻¹ rpm	1500 / 1800	1500 / 1800	1500 / 1800	1500 / 1800
Specific fuel consumption ¹⁾	g/kWh lb/hph	215 0.35	215 0.35	215 0.35	215 0.35

Power output ²⁾			F3L 912	F4L 912	F5L 912	F6L 912
Propulsion engines	- LG A	kW hp	35 47	46 62	58 78	70 94
	- LG B	kW hp	38 51	51 68	65 87	78 105
Auxiliary engines	- LG G 50 Hz	kW hp	27 36	35 47	44 59	53 71
	60 Hz	kW hp	31 42	42 56	52 70	63 84
	- LG N 50 Hz	kW hp	28 38	37 50	47 63	55 74
	60 Hz	kW hp	32 43	44 59	54 72	66 89

- LG A:** Unlimited continuous operation with unlimited workload.
LG B: Limited continuous operation: max. 3000 oh p.a.³⁾
 Operating time with more than 90% of maximum power: max. 1500 oh p.a.
 Admissible workload: max. 70% of rated power.
LG G: Unlimited continuous operation with unlimited workload.
LG N: Unlimited continuous operation with limited workload.
 Operating time with more than 90% of maximum power: max. 6000 oh p.a.
 Admissible workload: max. 80% of rated power.

- 1) Best full load consumption refers to diesel with a density of 0.835 kg/dm³ at 15°C | 6.96 lb/US gallon at 60°F.
 2) Capacity data in accordance with ISO 3046-1.
 Further ratings on request.
 3) oh p.a.: Operating hours per year

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

The engine company.



Torque curve

Power group A

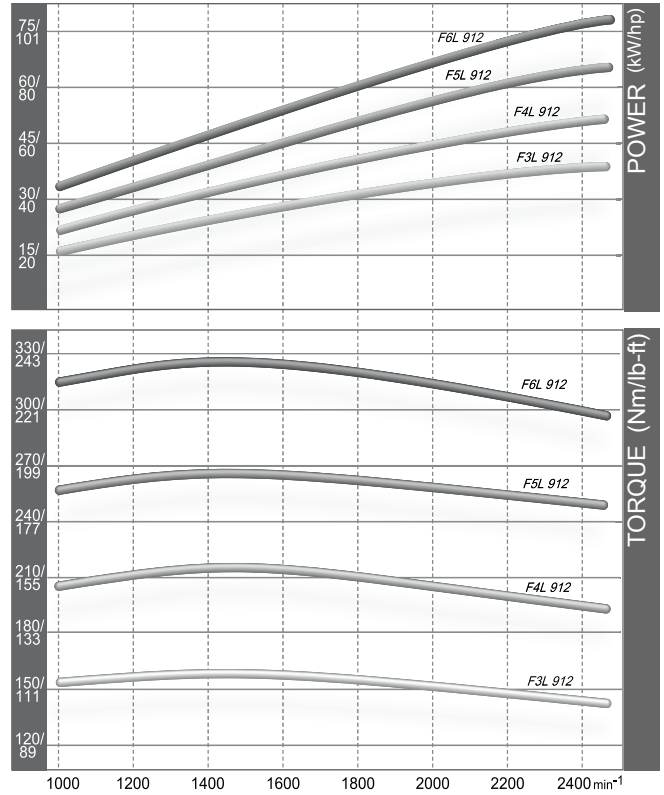
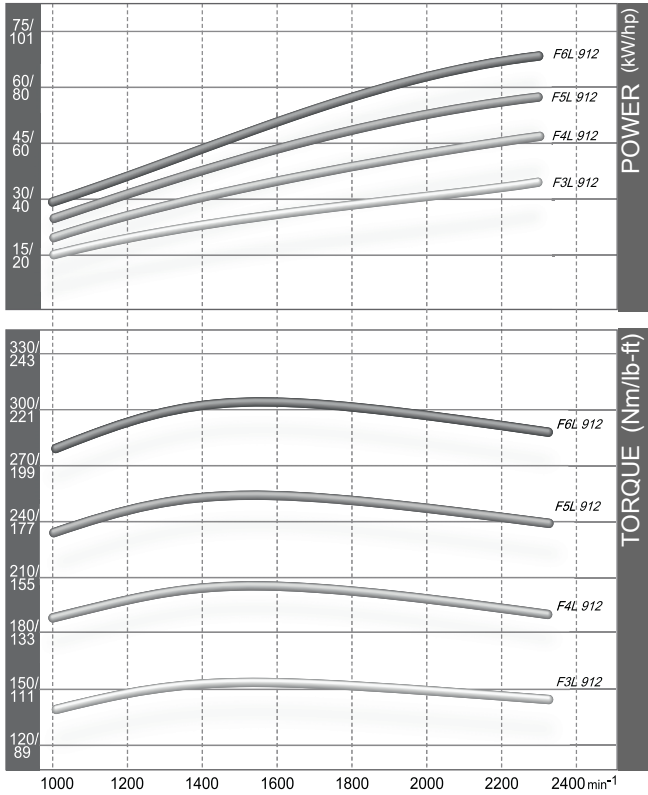
2300 min⁻¹/rpm

F3L 912 | F4L 912 | F5L 912 | F6L 912

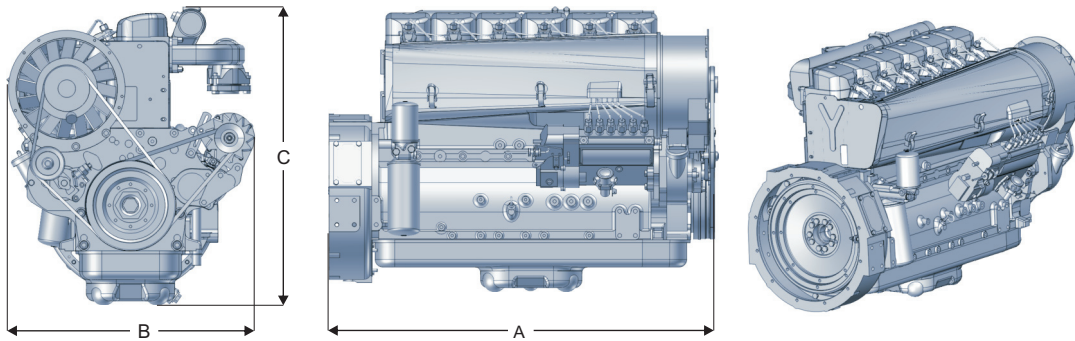
Power group B

2500 min⁻¹/rpm

F3L 912 | F4L 912 | F5L 912 | F6L 912



Dimensions



		A	B	C	Weight
F3L 912	mm in	691 27	680 27	800 31	270 kg 595 lb
F4L 912	mm in	837 33	680 27	800 31	300 kg 661 lb
F5L 912	mm in	946 37	680 27	838 33	380 kg 838 lb
F6L 912	mm in	1094 43	680 27	811 32	410 kg 904 lb

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.