FL 912

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/dm^3 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

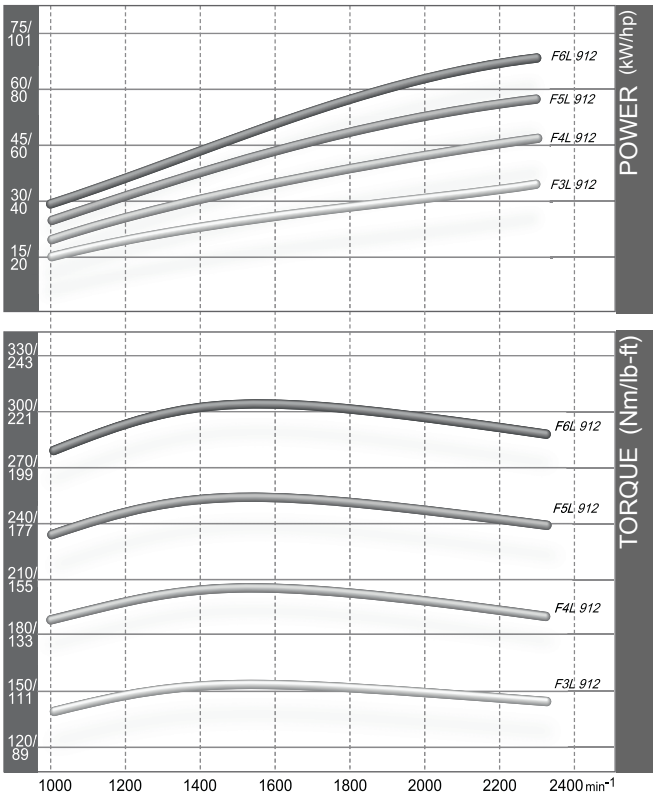
The data on this data sheet are for information purposes only and are not binding values. The data in the quotation is definitive.

DEUTZ®

Torque curve

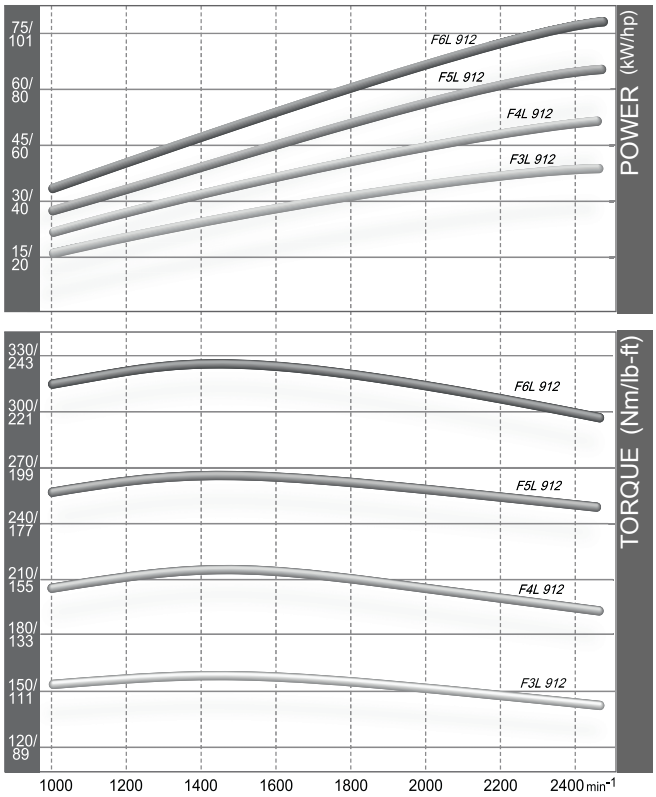
Power group A 2300 min^{-1}|rpm

F3L 912 **I F4L 912** I F5L 912 **I F6L 912**

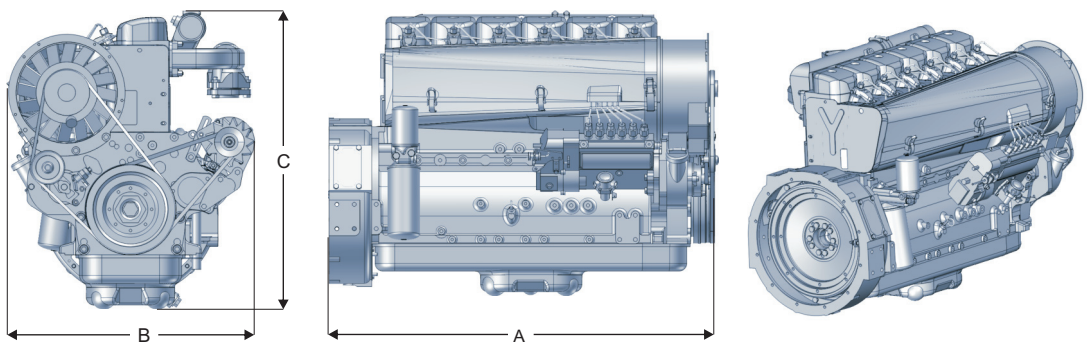


Power group B 2500 min^{-1}|rpm

F3L 912 **I F4L 912** I F5L 912 **I 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.

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