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# 912. The Genset Engine.

29-64 kVA at 1500/1800 min<sup>-1</sup> | rpm



## The engine with integrated cooling system.

### These are the characteristics of the 912 Gen:

- 3, 4, 6 cylinder naturally aspirated in-line engines.
- Displacement: 0.94 l/cylinder.
- Unit construction system with individual cylinders.
- Advanced injection and combustion system.
- Electronic governor (BC or GAC) as option.
- Worldwide proven: Over 3.0 million engines in service.
- Only a few service points.
- Powerful and compact, low weight.
- Global service network with over 1,000 locations.

### Your benefits:

- ▶ Space-saving and cost-effective installation thanks to integrated cooling system.
- ▶ Low maintenance requirements together with legendary durability.
- ▶ High quality combined with highly matured, simple configuration.
- ▶ Outstanding load acceptance ensures immediate power supply.



#### Dimensions and weights

##### F3L 912

Length:	mm   inch	670   26.4
Width:	mm   inch	704   27.7
Height:	mm   inch	795   31.3
Weight:	kg   lb	351   774

##### F4L 912

Length:	mm   inch	777   30.6
Width:	mm   inch	704   27.7
Height:	mm   inch	796   31.3
Weight:	kg   lb	402   886

##### F6L 912

Length:	mm   inch	1057   41.6
Width:	mm   inch	704   27.7
Height:	mm   inch	806   31.7
Weight:	kg   lb	541   1193

## ► Rating table: **912. The Genset Engine. 50/60 Hz**

Engine type		F3L 912		F4L 912		F6L 912	
Speed	min <sup>-1</sup>   rpm	1500	1800	1500	1800	1500	1800
Frequency	Hz	50	60	50	60	50	60
Engine/genset ratings <sup>1)</sup>							
Continuous power, ICN (COP) <sup>2)</sup>	kW   hp	25   33.5	29   38.9	33   44.3	39   52.3	50   67.1	60   80.5
Prime power, ICN (PRP) <sup>3)</sup>	kW   hp	26   34.9	30,5   40.9	35   46.9	41   55.0	52   69.7	63   84.5
Limited-time running power, IFN (LTP) <sup>4)</sup>	kW   hp	27   36.2	32   42.9	36   48.3	43   57.7	55   73.8	66   88.5
Typical generator power output							
Typical generator power output (COP) <sup>5)</sup>	kVA/kWe	29	27	38	36	58	56
Typical generator power output (PRP) <sup>5)</sup>	kVA/kWe	30	28	41	38	60	59
Typical generator power output (LTP) <sup>5)</sup>	kVA/kWe	31	30	42	40	64	61
Spec. fuel consumption (COP) <sup>6)</sup>							
100 % load	g/kWh   lb/hp-hr	215   0.348	223   0.361	215   0.348	223   0.361	215   0.348	224   0.363
75 % load	g/kWh   lb/hp-hr	217   0.351	226   0.366	217   0.352	226   0.366	217   0.351	225   0.364
50 % load	g/kWh   lb/hp-hr	235   0.380	245   0.397	236   0.382	244   0.395	235   0.380	243   0.394
25 % load	g/kWh   lb/hp-hr	344   0.557	372   0.603	348   0.564	370   0.599	344   0.557	367   0.594
1) Possibly power reduction depending on altitude and temperature. Please contact DEUTZ.		4) Limited-time running power 100 %, which must be available during 500 running hrs/year, thereof max. 300 running hrs/year continuously, no overload permissible; the required extra power for governing purposes must be taken into account however.				The values given in this data sheet are for information purposes only and not binding. The information given in the offer is decisive.	
2) Continuous power 100 % available at flywheel, plus 10 % extra power for governing purposes.		5) Taking into account typical generator efficiency of 93 % and power factor cos (φ) = 0.8.					
3) Prime power 100 %, mean power output 60 %, no time limitation, plus 5 % extra power for governing purposes.		6) For fuel specification see operation manual.					

### Standard specification

Standard engine:	Flywheel housing SAE 3, flywheel wit 8"/10" connection.
Cooling system:	Integrated cooling system, V-belt guard.
Exhaust system:	Exhaust manifold with elbow, counterflange (loose).
Filter:	Dry-air cleaner with mech. restriction indicator, fuel filter.
Engine electrics:	Alternator 14 V, 55 A; starter motor with 12 V, 3 kW.
Governor:	Mechanical (Bosch, RSV) or electronic (BC or GAC).



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