

# 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

##### F 3L 912

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

##### F 4L 912

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

##### F 6L 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
<b>Engine/genset ratings<sup>1)</sup></b>							
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
<b>Typical generator power output</b>							
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
<b>Spec. fuel consumption (COP)<sup>6)</sup></b>							
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.  
 2) Continuous power 100 % available at flywheel, plus 10 % extra power for governing purposes.  
 3) Prime power 100 %, mean power output 60 %, no time limitation, plus 5 % extra power for governing purposes.

- 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.  
 5) Taking into account typical generator efficiency of 93 % and power factor  $\cos(\Phi) = 0.8$ .  
 6) For fuel specification see operation manual.

The values given in this data sheet are for information purposes only and not binding. The information given in the offer is decisive.

### 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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