

# 914. The Genset Engine.

45-75 kVA at 1500 min<sup>-1</sup> | rpm; 40-70 kWe at 1800 min<sup>-1</sup> | rpm



## The engine with integrated cooling system.

### These are the characteristics of the 914 Gen:

4 and 6-cylinder naturally aspirated engines.

Displacement: 1.1 l/cylinder.

Unit construction system with individual cylinders.

Advanced injection and combustion system.

Electronic governor (GAC) as option.

Worldwide proven: Over 3.0 million engines in service.

Only a few service points.

Powerful and compact, low weight.

### Your benefits:

- ▶ Space-saving and cost-effective installation due to minimum weight and small space requirement.
- ▶ High quality combined with highly matured, simple configuration.
- ▶ Low maintenance requirements together with legendary durability.
- ▶ Outstanding load acceptance ensures immediate power supply.
- ▶ Worldwide service network with over 1,000 locations.
- ▶ Geared to the future since optionally European and US American exhaust emission standards of level II are fulfilled.



### Dimensions and weights

#### F 4L 914

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 914

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: 914. The Genset Engine. 50 Hz

Engine type		F4L 914	F6L 914
Speed	min <sup>-1</sup>   rpm	1500	1500
Frequency	Hz	50	50
<b>Engine/genset ratings<sup>1)</sup></b>			
Continuous power, ICN (COP) <sup>2)</sup>	kW   hp	41,0   55,0	62,0   83,1
Prime power, ICN (PRP) <sup>3)</sup>	kW   hp	43,0   57,6	65,0   87,2
Limited-time running power, IFN (LTP) <sup>4)</sup>	kW   hp	45,5   61,0	68,5   91,6
<b>Typical generator power output</b>			
Typical generator power output (COP) <sup>5)</sup>	kVA	45	70
Typical generator power output (PRP) <sup>5)</sup>	kVA	45	70
Typical generator power output (LTP) <sup>5)</sup>	kVA	50	75
<b>Spec. fuel consumption (COP)<sup>6)</sup></b>			
100 % load	g/kWh   lb/hp-hr	205   0.332	204   0.330
75 % load	g/kWh   lb/hp-hr	207   0.335	205   0.332
50 % load	g/kWh   lb/hp-hr	228   0.369	220   0.356
25 % load	g/kWh   lb/hp-hr	325   0.526	315   0.510

## ► Rating table: 914. The Genset Engine. 60 Hz

Engine type		F4L 914	F6L 914
Speed	min <sup>-1</sup>   rpm	1800	1800
Frequency	Hz	60	60
<b>Engine/genset ratings<sup>1)</sup></b>			
Continuous power, ICN (COP) <sup>2)</sup>	kW   hp	48,5   65,0	73,0   97,9
Prime power, ICN (PRP) <sup>3)</sup>	kW   hp	51,0   68,4	76,5   102,6
Limited-time running power, IFN (LTP) <sup>4)</sup>	kW   hp	53,5   71,7	80,5   107,9
<b>Typical generator power output</b>			
Typical generator power output (COP) <sup>5)</sup>	kWe	40	65
Typical generator power output (PRP) <sup>5)</sup>	kWe	45	65
Typical generator power output (LTP) <sup>5)</sup>	kWe	45	70
<b>Spec. fuel consumption (COP)<sup>6)</sup></b>			
100 % load	g/kWh   lb/hp-hr	210   0.340	207   0.335
75 % load	g/kWh   lb/hp-hr	212   0.343	209   0.338
50 % load	g/kWh   lb/hp-hr	234   0.379	228   0.369
25 % load	g/kWh   lb/hp-hr	335   0.543	300   0.486

1) Possibly power reduction depending on altitude and temperature. Please contact DEUTZ.

2) Continuous power 100 % available at flywheel, no time limitation, 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 88.5 - 91.0 % and power factor cos (Φ) = 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. Exhaust-optimized ratings on request.

### Standard specification

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



The engine company.

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