

914. The Genset Engine.

45-75 kVA at 1500 min⁻¹ | rpm; 40-70 kWe at 1800 min⁻¹ | 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 ⁻¹ rpm	1500	1500
Frequency	Hz	50	50
Engine/genset ratings¹⁾			
Continuous power, ICN (COP) ²⁾	kW hp	41,0 55,0	62,0 83,1
Prime power, ICN (PRP) ³⁾	kW hp	43,0 57,6	65,0 87,2
Limited-time running power, IFN (LTP) ⁴⁾	kW hp	45,5 61,0	68,5 91,6
Typical generator power output			
Typical generator power output (COP) ⁵⁾	kVA	45	70
Typical generator power output (PRP) ⁵⁾	kVA	45	70
Typical generator power output (LTP) ⁵⁾	kVA	50	75
Spec. fuel consumption (COP)⁶⁾			
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 ⁻¹ rpm	1800	1800
Frequency	Hz	60	60
Engine/genset ratings¹⁾			
Continuous power, ICN (COP) ²⁾	kW hp	48,5 65,0	73,0 97,9
Prime power, ICN (PRP) ³⁾	kW hp	51,0 68,4	76,5 102,6
Limited-time running power, IFN (LTP) ⁴⁾	kW hp	53,5 71,7	80,5 107,9
Typical generator power output			
Typical generator power output (COP) ⁵⁾	kWe	40	65
Typical generator power output (PRP) ⁵⁾	kWe	45	65
Typical generator power output (LTP) ⁵⁾	kWe	45	70
Spec. fuel consumption (COP)⁶⁾			
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

Standard engine:	Flywheel housing SAE 3, flywheel with 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 (Motorpal) or electronic (GAC governor as option).



The engine company.

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