

1008. The Genset Engine.

5-32 kVA at 1500/1800/3000/3600 min⁻¹ | rpm



These are the characteristics of the 1008 Gen:

2, 3 and 4 cylinder naturally aspirated in-line engines.

4 cylinder model also with turbocharging.

Displacement: 0.306 l/cylinder.

Water-cooled engine series.

Advanced injection and combustion system with unit injector for each cylinder.

Compact engine design and minimal weight.

Worldwide service network with over 1,000 locations.

Your benefits:

- ▶ Very low noise emission, high cost savings thanks to reduced noise attenuation requirement. Can be operated at any time, even at night.
- ▶ Very good load takeover characteristics ensure immediate power supply.
- ▶ Trouble-free continuous operation at 3,600 min⁻¹ guarantees reliable working process. Unnecessary downtimes and costs are avoided.
- ▶ High economy together with low operating costs thanks to long service intervals, high reliability and durability.
- ▶ Easy and cost-effective installation thanks to optimal configuration and customized application engineering.



Dimensions and weights/without cooler

F2M 1008

Length: mm | inch 561 | 21.9
Width: mm | inch 450 | 17.6
Height: mm | inch 591 | 23.0
Weight: kg | lb 65 | 143

F3M 1008

Length: mm | inch 680 | 26.5
Width: mm | inch 491 | 19.1
Height: mm | inch 637 | 24.8
Weight: kg | lb 85 | 187

F4M 1008

Length: mm | inch 763 | 29.8
Width: mm | inch 491 | 19.1
Height: mm | inch 637 | 24.8
Weight: kg | lb 96 | 212

BF4M 1008

Length: mm | inch 763 | 29.8
Width: mm | inch 531 | 20.7
Height: mm | inch 637 | 24.8
Weight: kg | lb 101 | 223

► Rating table: 1008. The Genset Engine. 50/60 Hz

Engine type		F2M 1008		F3M 1008		F4M 1008		BF4M 1008	
Speed	min ⁻¹ rpm	1500	1800	1500	1800	1500	1800	1500	1800
Frequency	Hz	50	60	50	60	50	60	50	60
Engine/genset ratings¹⁾									
Continuous power, ICN (COP) ²⁾	kW hp	— —	— —	— —	— —	— —	— —	— —	— —
Prime power, ICN (PRP) ³⁾	kW hp	— —	— —	— —	— —	— —	— —	— —	— —
Limited-time running power, IFN (LTP) ⁴⁾	kW hp	4,6 6,3	5,5 7,5	6,3 8,6	9,0 12,2	9,1 12,4	11,5 15,6	12,5 17,0	15,5 21,1
Typical generator power output									
Typical generator power output (COP) ⁵⁾	kVA/kWe	—	—	—	—	—	—	—	—
Typical generator power output (PRP) ⁵⁾	kVA/kWe	—	—	—	—	—	—	—	—
Typical generator power output (LTP) ⁵⁾	kVA/kWe	5,2	6,2/4,9	7,1	10,1/8,1	10,2	12,9/10,3	14,0	17,4/13,9
Spec. fuel consumption (LTP)⁶⁾									
100 % load	g/kWh lb/hp-hr	275 0,446	272 0,441	275 0,446	272 0,441	270 0,437	270 0,437	270 0,437	270 0,437
75 % load	g/kWh lb/hp-hr	285 0,462	290 0,470	290 0,470	295 0,478	295 0,478	280 0,454	290 0,470	280 0,454
50 % load	g/kWh lb/hp-hr	340 0,551	355 0,575	320 0,518	355 0,575	330 0,535	320 0,518	330 0,535	330 0,535
25 % load	g/kWh lb/hp-hr	390 0,632	385 0,624	390 0,632	385 0,624	360 0,583	360 0,583	400 0,648	400 0,648

Engine type		F2M 1008		F3M 1008		F4M 1008		BF4M 1008	
Speed	min ⁻¹ rpm	3000	3600	3000	3600	3000	3600	3000	3600
Frequency	Hz	50	60	50	60	50	60	50	60
Engine/genset ratings¹⁾									
Continuous power, ICN (COP) ²⁾	kW hp	— —	— —	— —	— —	— —	— —	— —	— —
Prime power, ICN (PRP) ³⁾	kW hp	— —	— —	— —	— —	— —	— —	— —	— —
Limited-time running power, IFN (LTP) ⁴⁾	kW hp	10,3 14,0	10,6 14,4	15,7 21,4	16,0 21,8	20,1 27,3	22,0 29,9	26,2 35,6	28,5 38,8
Typical generator power output									
Typical generator power output (COP) ⁵⁾	kVA/kWe	—	—	—	—	—	—	—	—
Typical generator power output (PRP) ⁵⁾	kVA/kWe	—	—	—	—	—	—	—	—
Typical generator power output (LTP) ⁵⁾	kVA/kWe	11,5	11,9/9,5	17,6	17,9/14,3	22,5	24,6/19,7	29,3	31,9/25,5
Spec. fuel consumption (LTP)⁶⁾									
100 % load	g/kWh lb/hp-hr	282 0,457	300 0,486	280 0,454	310 0,502	275 0,446	290 0,470	290 0,470	300 0,486
75 % load	g/kWh lb/hp-hr	305 0,494	315 0,510	310 0,502	335 0,543	285 0,462	320 0,518	310 0,502	300 0,486
50 % load	g/kWh lb/hp-hr	345 0,559	365 0,591	345 0,559	370 0,599	320 0,518	350 0,567	340 0,551	355 0,543
25 % load	g/kWh lb/hp-hr	400 0,648	400 0,648	400 0,648	400 0,648	360 0,583	360 0,583	500 0,810	500 0,810

1) Possibly power reduction depending on altitude and temperature, without deduction of fan power requirement. 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 83 % to 88 % 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.

Standard specification

Standard engine: Flywheel housing SAE 5; flywheel with 6.5" connection.

Cooling system: Cooling unit, V-belt guard, pusher-type fan.

Filter: Dry air cleaner with mechanical restriction indicator, fuel filter.

Engine electrics: Alternator 14 V, 35 A; starter motor with 12 V, 1.1 kW.

Governor: Mechanical (Bosch).



We move your world.

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