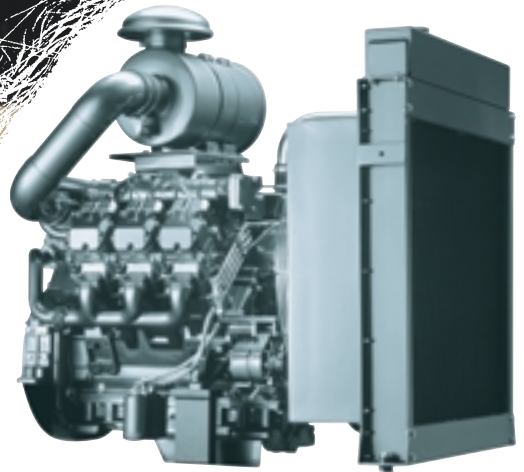


1015. The Genset Engine.



223-551 kVA at 1500/1800 min⁻¹



These are the characteristics of the 1015 GEN:

- 6- and 8-cylinder V-engines.
- Turbocharging and turbocharging with charge air cooling.
- Displacement: 2.0 l/cylinder.
- 4-valve technology.
- “Split-pin” crankshaft (6-cylinder).
- High injection pressures.
- Extremely compact design.
- Acoustically optimized combustion system and a rigid crankcase.
- Electronic governor (option).
- Global service network with over 3,000 locations in more than 150 countries.
- Raised fan belt-driven (option).

Your benefits:

- ▶ Its outstandingly low noise radiation is exemplary. Acoustically relevant components with a very rigid structure. This gives genset packagers an advantage over their competitors.
- ▶ Environmentally friendly, high-tech combustion ensures not only excellent operating behaviour but also outstanding savings in operating costs.
- ▶ The control function of the electronic governor makes it possible to plan service intervals, for example – no costly downtimes.
- ▶ Compact design saves installation space and thus installation costs. Radiator dimensions reduced by 30 % with raised fan.
- ▶ Low exhaust emission, the 1015 engine series meets “TA-Luft” standards.

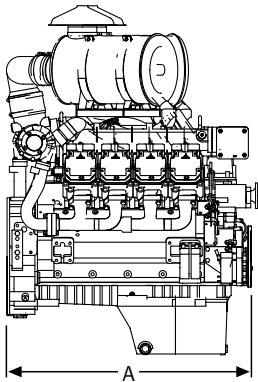
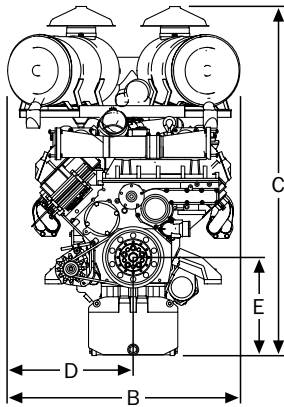
► Technical data

Engine type		BF6M 1015		BF6M 1015 C		BF6M 1015 CP ^{*)}		BF8M 1015		BF8M 1015 C		BF8M 1015 CP ^{*)}	
Speed	min ⁻¹	1500	1800	1500	1800	1500	1800	1500	1800	1500	1800	1500	1800
Frequency	Hz	50	60	50	60	50	60	50	60	50	60	50	60
Combustion air system													
Combustion air volume (COP)	m ³ /h	934	1132	1221	1507	1333	1700	1129	1480	1627	2013	1806	2190
Max. intake vacuum (filter clean)	mbar	20	20	20	20	20	20	20	20	20	20	20	20
Exhaust system													
Exhaust gas mass flow at full load (COP)	kg/h	1134	1372	1481	1821	1632	2012	1370	1788	1973	2433	2163	2627
Exhaust temperature at full load and 25°C ambient temperature	°C	530	540	450	430	505	470	485	485	455	430	505	465
Max. permissible exhaust backpressure	mbar	50	50	50	50	50	50	50	50	50	50	50	50
Exhaust flange	mm	120	120	120	120	120	120	100	100	100	100	120	120
"TA-Luft" (4000)	mg/nm ³	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
Engine electrics													
Electrical equipment:													
- Voltage	V	24	24	24	24	24	24	24	24	24	24	24	24
- Starter	kW	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
- Alternator	A/V	55/28	55/28	55/28	55/28	55/28	55/28	55/28	55/28	55/28	55/28	55/28	55/28
- Battery (min. capacity)	Ah	88	88	88	88	88	88	88	88	88	88	88	88
Cold-start capability													
Cold-start limit temperature:													
- with starting aid ¹⁰⁾	°C	-21	-21	-21	-21	-21	-21	-21	-21	-21	-21	-21	-21
- without starting aid ¹⁰⁾	°C	-15	-15	-15	-15	-15	-15	-15	-15	-15	-15	-15	-15
Noise emission¹¹⁾													
Sound power level	dB(A)/1pW	107	109	108	110	108.5	110	110.5	112.5	111	113	112	114
Sound pressure level at full load, 1 m distance	dB(A)	93.5	95.5	94.5	96.5	95	97	96.5	96.5	97	99	97	99

- 1) Power reduction caused by altitude and temperature possible. Power ratings without fan power requirement. For more details please contact DEUTZ.
 - 2) Continuous power 100% available at flywheel, no time limitation, plus 10% extra power for governing purposes.
 - 3) Prime power 100%, permissible average power output ≤ 80%, no time limitation plus 10% extra power for governing purposes.
 - 4) Limited-time running power 100%, which can be delivered 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 a typical generator efficiency (0.95) and power factor cos (φ) = 0.8.
 - 6) Belt-driven fan and small radiator.
 - 7) Performance acc. to ISO 8528.
 - 8) The load acceptance characteristics are dependent on the inertia moment of the generator, the voltage regulator and the type of load.
 - 9) Fuel specification: see operation manual.
 - 10) Optional.
 - 11) Without cooling system.
- ^{*)} "TA-Luft" (2000).
^{**)} With electronic governor.

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

► Dimensions



Engine type		A	B	C	D	E
BF6M 1015	mm	1068	932	1762	466	462
BF6M 1015 C/CP	mm	1185	948	1643	505	462
BF8M 1015	mm	1068	932	1762	466	462
BF8M 1015 C/CP	mm	1185	948	1643	505	462

► Standard specification

Standard engine:	Basic parts
Cooling system:	LT cooling system / intercooler Pusher-type fan (raised) Viscous fluid coupling Guard, shroud, expansion tank
Exhaust system components:	Turbocharger (flywheel end) with counterflange Without exhaust silencer
Filter:	Air cleaner mounted with mech. restriction indicator Fuel twin filter (loose) without prefilter
Governor:	Mech. or electronic governor Fine speed control
Flywheel:	Flywheel for 14" connection $J = 2.264 \text{ kgm}^2$
Adapter housing:	SAE 1 housing
Engine mounting:	Rigid engine mounting, opp. flywheel end
Engine electrics:	Electric engine shutdown (de-energized for shutdown) Starter motor 24 V, 5.4 kW Alternator 28 V, 55 A Oil pressure monitoring: sensor with switch contact Break contact, switch point 3.0 bar Coolant temperature monitoring (sensor) Coolant level monitoring (mech. float switch) Without cable harness and without connector
Miscellaneous:	Painting Without operation manual



Knowing it's DEUTZ.

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