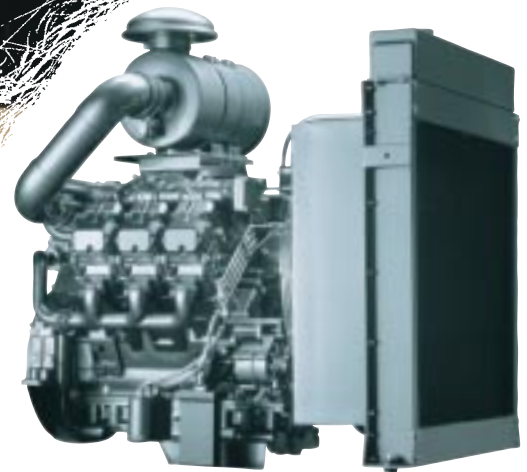


1015. Der Gen Motor.



223-551 kVA at 1500/1800 min⁻¹



These are the characteristics of the 1015 GEN:

- 6- and 8-cylinder engine in V-configuration.
- Turbocharging and turbocharging with charge air cooling.
- Displacement: 2.0 l/cylinder.
- 4-valve technology.
- “Split-pin” crankshaft (6 cylinder).
- Electronically controlled fuel injection pump with magnetic valve system.
- Extremely compact design.
- Acoustically optimized combustion system and a rigid crankcase.
- Electronic engine governor (Option).
- Global service network with over 3,000 locations in more than 150 countries.

These are the benefits for you:

- ▶ Its low noise radiation level is exemplary. Acoustically relevant components with a very rigid structure. This guarantees you a superior position to other competitors.
- ▶ Environmental friendly and a high-tech combustion ensures not only excellent operating behaviour but also outstanding savings in economical costs.
- ▶ The control functions of the electronic engine governor make it possible to plan service intervals, for example – no costly downtimes.
- ▶ Compact design saves installation space and thus installation costs.
- ▶ Low emission levels, the 1015 engine family meets “TA-Luft” standards.

► Technical data

Engine type		BF6M 1015		BF6M 1015 C		BF8M 1015		BF8M 1015 C	
Speed	min ⁻¹	1500	1800	1500	1800	1500	1800	1500	1800
Frequency	Hz	50	60	50	60	50	60	50	60
Combustion air system									
Combustion air volume (COP)	m ³ /h	934	1132	1221	1507	1129	1480	1627	2013
Max. intake vacuum (filter clean)	mbar	20	20	20	20	20	20	20	20
Exhaust system									
Exhaust gas mass flow at full load (COP)	kg/h	1134	1372	1481	1821	1370	1788	1973	2433
Exhaust temperature at full load and 25°C ambient temperature	°C	530	540	450	430	485	485	455	430
Max. permissible exhaust backpressure	mbar	50	50	50	50	50	50	50	50
Exhaust flange	mm	120	120	120	120	100	100	100	100
TA-Luft (4000)	mg/nm ³	yes	yes	yes	yes	yes	yes	yes	yes
Engine electrics									
Electrical equipment:									
- Voltage	V	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
- Alternator	A/V	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
- Coolant preheating units	W	-	-	-	-	-	-	-	-
Cold-start capabi									
Cold-start limit temperature:									
- with starting aid	°C	-26	-26	-26	-26	-18	-18	-18	-18
- without starting aid	°C	-15	-15	-15	-15	-15	-15	-15	-15
Noise emission⁸⁾									
Sound power level	dB(A)/1pW	107	109	108	110	110.5	112.5	111	113
Sound pressure level at full load, 1 m distance	dB(A)	93.5	95.5	94.5	96.5	96.5	96.5	97	99

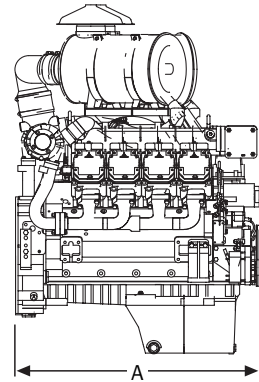
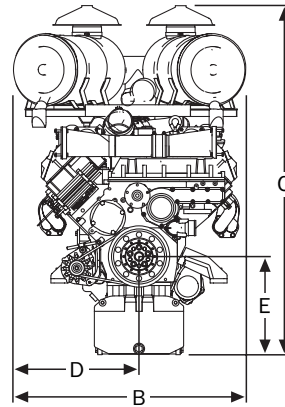
- 1) Power reduction caused by altitude and temperature possible. For details refer to DEUTZ.
 - 2) Net-continuous power 100% available at flywheel, no time limitation, plus 10% extra power for governing purposes.
 - 3) Net-prime power 100%, permissible average power output equal to or below 60%, no time limitation plus 5% extra power for governing purposes.
 - 4) Net-limited-time running power 100%, which can be delivered during 500 running h/a, there of max. 300 running h/a continuously, no overload permissible; the required extra power for governing purposes must be taken into account however.
 - 5) Taking into account typical generator efficiency, fan power input (NT-cooling system) and power factor $\cos(\varphi) = 0.8$. Generator efficiency: 0.95.
 - 6) Performance acc. to ISO 8528.
 - 7) Fuel specification: see operation manual.
 - 8) Without cooling system.
- *) with GENDEC.

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:**..... Basic parts
- Cooling system:**..... NT 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. governor
Fine speed control
- Flywheel:**..... Flywheel for 14" connection
J = 2.264 kgm²
- Adapter housing:**..... SAE 1 housing
- Engine mounting:**..... Rigid engine mounting only
front end, rigid
- 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

► Dimensions



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



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