

Engine				
Туре		BF6M1013FC	BF6M1013FC	
Speed	[min <sup>-1</sup> ]	1800	1800	
Net frequency	[Hz]	60	60	
Power standard		LTP	LTP	
Power level		G2	G3	
Exhaust emission standard		COM II	COM II	
General				
Aspiration		Turbo, CAC	Turbo, CAC	
No of cylinders		6	6	
Configuration		in-line	in-line	
Injection system		single injec	tion pumps	
Displacement	[1]	7.15	7.15	
Bore	[mm]	108	108	
Stroke	[mm]	130	130	
Compression ratio		19	19	
Mean effective pressure	[bar]	19.0	21.0	
Piston speed	[m/s]	7.8	7.8	
Rotation (looking at flywheel)		CCW	CCW	
No of teeth on flywheel ring gear		129	129	
Governor performance				
Speed droop (static) mech. gov.	[%]	4 - 5	4 - 5	
Speed droop (static) electr. gov.(EMR/DDE)	[%]	0 - 3	0 - 3	
Governing standards	[.~]			
to ISO 8528 Parts 1 and 5		G2	G2	
Moment of inertia				
Engine without flywheel	[kg m²]	0.23	0.23	
Flywheel (standard genset spec.)	[kg m²]	2.6	2.6	
Max. step load acceptance, 1st step	[%]	_	_	
Sound power at full load,incl. cooling system <sup>5</sup>	[dB(A)]	113.1	113.1	
Sound press.(1m average,full load), incl.cool.syst.	[dB(A)]	99.1	99.1	
Weight	L- ( /1			
Engine dry, w/o cooling system	[kg]	708	708	
Engine with cooling system	[kg]	785	785	
Lubrication system	1 31			
Oil specification		TR0199-99-3002/6		
Oil consumption (as % of fuel consumption)		0.3	0.3	
Oil capacity (sump)	[1]	31	31	
Min. oil pressure (warning)	[bar]	2.9	2.9	
Min. oil pressure (shut down)	[bar]	2.2	2.2	
Max. permissible oil temperature(oil pan)	[°C]	130	130	
Output	[ 0]			
Gross output(LTP or StandBy Power) <sup>1</sup>	[kW]	204	224.9	
Fan reduction	[kW]	12.4	12.4	
Net flywheel	[kW]	191.6	212.5	
Electrical output <sup>2</sup>	[kVA]	230	245	
Gross output(PRP or Prime Power) <sup>1a</sup>	[kW]	186	204	
Gross output(Continous Power)) <sup>1b</sup>	[kW]	169	186	
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Fuel System	Engine			
Fuel consumption			BF6M1013FC	BF6M1013FC
Fuel consumption   25% load				
25% load³         [I/h]         13.0         13.9           50% load³         [I/h]         23.3         25.8           75% load³         [I/h]         34.5         38.5           100% load³         [I/h]         46.6         53.0           25% load         [g/kWh]         237         231.0           50% load         [g/kWh]         213         221.0           75% load         [g/kWh]         210         214.0           100% load         [g/kWh]         213         221.0           Max. suction head of fuel feed pump         [m]         -         -           Cooling System         [g/kWh]         213         221.0           Max. suction head of fuel feed pump         [m]         -         -           Cooling System         [C]         105         105         105           Max. perm. flow resistance (cool. syst. and piping)         [bar]         0.35 <t< td=""><td></td><td></td><td></td><td></td></t<>				
50% load³         [I/h]         23.3         25.8           75% load³         [I/h]         34.5         38.5           100% load³         [I/h]         46.6         53.0           25% load         [g/kWh]         237         231.0           50% load         [g/kWh]         213         215.0           75% load         [g/kWh]         210         214.0           100% load         [g/kWh]         210         214.0           Max. suction head of fuel feed pump         [m]         -         -           Cooling System           General engine cooling data           Max. perm. coolant outlet temperature         [°C]         105         105           Max. perm. flow resistance (cool. syst. and piping)         [bar]         0.35         0.35           Max. temperature of coolant (warning)         [°C]         108         108           Max. temperature of coolant (syntidown)         [°C]         108         108           Max. temperature at which thermostat is fully open         [°C]         98         98           Delivery of coolant pump         [°C]         98         98           Delivery of coolant pump         [bar]         0.3         0.3				
75% load³         [I/h]         34.5         38.5           100% load³         [I/h]         46.6         53.0           25% load         [g/kWh]         237         231.0           50% load         [g/kWh]         213         215.0           75% load         [g/kWh]         210         214.0           100% load         [g/kWh]         213         221.0           Max. suction head of fuel feed pump         [m]         -         -           Cooling System           General engine cooling data           Max. perm. coolant outlet temperature         [°C]         105         105           Max. perm. flow resistance (cool. syst. and piping)         [bar]         0.35         0.35           Max. perm. flow resistance (cool. syst. and piping)         [bar]         0.35         0.35           Max. perm. flow resistance (cool. syst. and piping)         [bar]         0.35         0.35           Max. perm. flow resistance (cool. syst. and piping)         [bar]         0.35         0.35           Max. temperature of coolant (warning)         [°C]         108         108           Max. temperature of coolant (shuldown)         [°C]         110         110           Temperature at which t				
100% load   100%		= =		
25% load   [g/kWh]   237   231.0				
50% load         [g/kWh]         213         215.0           75% load         [g/kWh]         210         214.0           100% load         [g/kWh]         213         221.0           Max. section head of fuel feed pump         [m]         -         -           Cooling System         Cooling System           General engine cooling data         Max.perm.coolant outlet temperature         [°C]         105         105           Max. perm. flow resistance (cool. syst. and piping)         [bar]         0.35         0.35           Max. temperature of coolant (warning)         [°C]         108         108           Max. temperature of which thermostat starts to open         [°C]         110         110           Temperature at which thermostat is fully open         [°C]         83         83           Temperature at which thermostat is fully open         [°C]         98         98           Delivery of coolant pump         [m³ar]         0.3         0.3				
75% load         [g/kWh]         210         214.0           100% load         [g/kWh]         213         221.0           Max. suction head of fuel feed pump         [m]         -         -           Cooling System         General engine cooling data           Max. perm. coolant outlet temperature         [°C]         105         105           Max. perm. flow resistance (cool. syst. and piping)         [bar]         0.35         0.35           Max. temperature of coolant (warning)         [°C]         108         108           Max. temperature of coolant (shutdown)         [°C]         110         110           Temperature at which thermostat starts to open         [°C]         83         83           Temperature at which thermostat is fully open         [°C]         98         98           Delivery of coolant pump         [m³/h]         13.1         13.1           Min. pressure before coolant pump         [bar]         0.3         0.3           Temperature at CAC outlet at standard conditions         [°C]         40         40           DEUTZ Cooling System         [°C]         40         40           Coolant capacity (incl. cooling unit)         [l]         27.3         27.3           Air to boil (max. permissib				
100% load   [g/kWh]   213   221.0				
Max. suction head of fuel feed pump         [m]         -         -           Cooling System           General engine cooling data         "C"]         105         105           Max. perm. flow resistance (cool. syst. and piping)         [bar]         0.35         0.35           Max. temperature of coolant (warning)         [°C]         108         108           Max. temperature of coolant (shutdown)         [°C]         110         110           Temperature at which thermostat starts to open         [°C]         83         83           Temperature at which thermostat is fully open         [°C]         98         98           Delivery of coolant pump         [m³/h]         13.1         13.1           Min. pressure before coolant pump         [bar]         0.3         0.3           Temperature at CAC outlet at standard conditions         [°C]         40         40           DEUTZ Cooling System         Coolant capacity (engine)         [i]         9.8         9.8           Coolant capacity (engine)         [i]         9.8         9.8           Coolant capacity (engine)         [i]         9.8         9.8           Coolant capacity (engine)         [i]         [w]         12         12.4           Cooling air flow				
Cooling System			213	221.0
Ceneral engine cooling data   Max.perm.coolant outlet temperature   [°C]   105   105   105   Max. perm. flow resistance (cool. syst. and piping)   [bar]   0.35   0.35   Max.temperature of coolant (warning)   [°C]   108   108   108   Max. temperature of coolant (shutdown)   [°C]   110		[m]	_	-
Max.perm.coolant outlet temperature         [°C]         105         105           Max. perm. flow resistance (cool. syst. and piping)         [bar]         0.35         0.35           Max.temperature of coolant (warning)         [°C]         108         108           Max.temperature of coolant (shutdown)         [°C]         110         110           Temperature at which thermostat starts to open         [°C]         83         83           Temperature at which thermostat is fully open         [°C]         98         98           Delivery of coolant pump         [m³/h]         13.1         13.1           Min. pressure before coolant pump         [bar]         0.3         0.3           Temperature at CAC outlet at standard conditions         [°C]         40         40           DEUTZ Cooling System         [I]         9.8         9.8           Coolant capacity (engine)         [I]         9.8         9.8           Coolant capacity (incl. cooling unit)         [I]         9.8         9.8           Coolant capacity (incl. cooling unit)         [I]         9.8         9.8           Cooling air flow         [m³/h]         14760         14760           Air to boil (max. permissible cool. air temp. at fan)         [°C]         57         52				
Max. perm. flow resistance (cool. syst. and piping)         [bar]         0.35         0.35           Max.temperature of coolant (warning)         [°C]         108         108           Max. temperature of coolant (shutdown)         [°C]         110         110           Temperature at which thermostat starts to open         [°C]         83         83           Temperature at which thermostat is fully open         [°C]         98         98           Delivery of coolant pump         [m³/h]         13.1         13.1           Min. pressure before coolant pump         [bar]         0.3         0.3           Temperature at CAC outlet at standard conditions         [°C]         40         40           DEUTZ Cooling System         [I]         9.8         9.8           Coolant capacity (engine)         [I]         9.8         9.8           Coolant capacity (incl. cooling unit)         [I]         9.8         9.8           Coolant capacity (incl. cooling unit)         [I]         9.8         9.8           Coolant capacity (incl. cooling unit)         [I]         27.3         27.3           Air to boil (max. permissible cool. air temp. at fan)         [°C]         57         52           Fan power consumption <sup>4</sup> [kW]         12.4				
Max. temperature of coolant (warning)         [°C]         108         108           Max. temperature of coolant (shutdown)         [°C]         110         110           Temperature at which thermostat starts to open         [°C]         83         83           Temperature at which thermostat is fully open         [°C]         98         98           Delivery of coolant pump         [m³/h]         13.1         13.1           Min. pressure before coolant pump         [bar]         0.3         0.3           Temperature at CAC outlet at standard conditions         [°C]         40         40           DEUTZ Cooling System         Value         Value         40           DEUTZ Cooling System         Value         Value         Value           Coolant capacity (engine)         [I]         9.8         9.8           Coolant capacity (incl. cooling unit)         [I]         27.3         27.3           Air to boil (max. permissible cool. air temp. at fan)         [°C]         57         52           Fan power consumption <sup>4</sup> [kW]         12.4         12.4           Cooling air flow         [m³/h]         14760         14760           Air pressure loss, external         [mbar]         2.0         2.0           H	·	[°C]	105	105
Max. temperature of coolant (shutdown)       [°C]       110       110         Temperature at which thermostat starts to open       [°C]       83       83         Temperature at which thermostat is fully open       [°C]       98       98         Delivery of coolant pump       [m³/h]       13.1       13.1         Min. pressure before coolant pump       [bar]       0.3       0.3         Temperature at CAC outlet at standard conditions       [°C]       40       40         DEUTZ Cooling System       "COlant capacity (engine)       [I]       9.8       9.8         Coolant capacity (incl. cooling unit)       [I]       27.3       27.3         Air to boil (max. permissible cool. air temp. at fan)       [°C]       57       52         Fan power consumption <sup>4</sup> [kW]       12.4       12.4         Cooling air flow       [m³/h]       14760       14760         Air pressure loss, external       [mbar]       2.0       2.0         Heat dissipation (engine radiator) <sup>6</sup> [kW]       95.9       109.8         Heat dissipation (CAC)       [kW]       46.8       50.9         Heat dissipation (convection)       [kW]       20.0       22.5         Inlet / Exhaust Data         Max. intake	Max. perm. flow resistance (cool. syst. and piping)			
Temperature at which thermostat starts to open         [°C]         83         83           Temperature at which thermostat is fully open         [°C]         98         98           Delivery of coolant pump         [m³/h]         13.1         13.1           Min. pressure before coolant pump         [bar]         0.3         0.3           Temperature at CAC outlet at standard conditions         [°C]         40         40           DEUTZ Cooling System         [I]         9.8         9.8           Coolant capacity (engine)         [I]         9.8         9.8           Coolant capacity (incl. cooling unit)         [I]         27.3         27.3           Air to boil (max. permissible cool. air temp. at fan)         [°C]         57         52           Fan power consumption <sup>4</sup> [kW]         12.4         12.4           Cooling air flow         [m³/h]         14760         14760           Air pressure loss, external         [mbar]         2.0         2.0           Heat dissipation (engine radiator) <sup>6</sup> [kW]         95.9         109.8           Heat dissipation (CAC)         [kW]         46.8         50.9           Heat dissipation (convection)         [kW]         20.0         22.5           Inlet / E	Max.temperature of coolant (warning)		108	
Temperature at which thermostat is fully open         [°C]         98         98           Delivery of coolant pump         [m³/h]         13.1         13.1           Min. pressure before coolant pump         [bar]         0.3         0.3           Temperature at CAC outlet at standard conditions         [°C]         40         40           DEUTZ Cooling System         Coolant capacity (engine)         [I]         9.8         9.8           Coolant capacity (incl. cooling unit)         [I]         27.3         27.3           Air to boil (max. permissible cool. air temp. at fan)         [°C]         57         52           Fan power consumption <sup>4</sup> [kW]         12.4         12.4           Cooling air flow         [m³/h]         14760         14760           Air pressure loss, external         [mbar]         2.0         2.0           Heat Balance         Heat dissipation (engine radiator) <sup>6</sup> [kW]         95.9         109.8           Heat dissipation (CAC)         [kW]         95.9         109.8           Heat dissipation (convection)         [kW]         20.0         22.5           Inlet / Exhaust Data         [mbar]         25         25           Combustion air volume         [mbar]         <		[°C]	110	110
Delivery of coolant pump         [m³/h]         13.1         13.1           Min. pressure before coolant pump         [bar]         0.3         0.3           Temperature at CAC outlet at standard conditions         [°C]         40         40           DEUTZ Cooling System         Coolant capacity (engine)         [I]         9.8         9.8           Coolant capacity (incl. cooling unit)         [I]         27.3         27.3           Air to boil (max. permissible cool. air temp. at fan)         [°C]         57         52           Fan power consumption⁴         [kW]         12.4         12.4           Cooling air flow         [m³/h]         14760         14760           Air pressure loss, external         [mbar]         2.0         2.0           Heat Balance         Heat dissipation (engine radiator) <sup>6</sup> [kW]         95.9         109.8           Heat dissipation (CAC)         [kW]         46.8         50.9           Heat dissipation (convection)         [kW]         20.0         22.5           Inlet / Exhaust Data         Max. intake depression (Switch setting)         [mbar]         25         25           Combustion air volume         [m³/h]         931.4         946           Max. exhaus	Temperature at which thermostat starts to open	[°C]	83	83
Min. pressure before coolant pump         [bar]         0.3         0.3           Temperature at CAC outlet at standard conditions         [°C]         40         40           DEUTZ Cooling System         Coolant capacity (engine)         [I]         9.8         9.8           Coolant capacity (incl. cooling unit)         [I]         27.3         27.3           Air to boil (max. permissible cool. air temp. at fan)         [°C]         57         52           Fan power consumption <sup>4</sup> [kW]         12.4         12.4           Cooling air flow         [m³/h]         14760         14760           Air pressure loss, external         [mbar]         2.0         2.0           Heat Balance         Heat dissipation (engine radiator) <sup>6</sup> [kW]         95.9         109.8           Heat dissipation (CAC)         [kW]         46.8         50.9           Heat dissipation (convection)         [kW]         20.0         22.5           Inlet / Exhaust Data         Max. intake depression (Switch setting)         [mbar]         25         25           Combustion air volume         [m³/h]         931.4         946           Max. exhaust back pressure         [mbar]         30         30           Max. exhaust	Temperature at which thermostat is fully open		98	98
Temperature at CAC outlet at standard conditions         [°C]         40         40           DEUTZ Cooling System         Coolant capacity (engine)         [I]         9.8         9.8           Coolant capacity (incl. cooling unit)         [I]         27.3         27.3           Air to boil (max. permissible cool. air temp. at fan)         [°C]         57         52           Fan power consumption <sup>4</sup> [kW]         12.4         12.4           Cooling air flow         [m³/h]         14760         14760           Air pressure loss, external         [mbar]         2.0         2.0           Heat Balance         Heat dissipation (engine radiator) <sup>6</sup> [kW]         95.9         109.8           Heat dissipation (CAC)         [kW]         46.8         50.9           Heat dissipation (convection)         [kW]         20.0         22.5           Inlet / Exhaust Data           Max. intake depression (Switch setting)         [mbar]         25         25           Combustion air volume         [m³/h]         931.4         946           Max. exhaust back pressure         [mbar]         30         30           Max. exhaust gas temperature         [°C]         515         530           Exhaust gas	Delivery of coolant pump	[m³/h]	13.1	13.1
DEUTZ Cooling System         Coolant capacity (engine)       [I]       9.8       9.8         Coolant capacity (incl. cooling unit)       [I]       27.3       27.3         Air to boil (max. permissible cool. air temp. at fan)       [°C]       57       52         Fan power consumption <sup>4</sup> [kW]       12.4       12.4         Cooling air flow       [m³/h]       14760       14760         Air pressure loss, external       [mbar]       2.0       2.0         Heat Balance       [kW]       95.9       109.8         Heat dissipation (engine radiator) <sup>6</sup> [kW]       95.9       109.8         Heat dissipation (CAC)       [kW]       46.8       50.9         Heat dissipation (convection)       [kW]       20.0       22.5         Inlet / Exhaust Data         Max. intake depression (Switch setting)       [mbar]       25       25         Combustion air volume       [m³/h]       931.4       946         Max. exhaust back pressure       [mbar]       30       30         Max. exhaust gas temperature       [°C]       515       530         Exhaust gas flow (at above temp)       [m³/h]       2526       2666	Min. pressure before coolant pump	[bar]	0.3	0.3
Coolant capacity (engine)         [I]         9.8         9.8           Coolant capacity (incl. cooling unit)         [I]         27.3         27.3           Air to boil (max. permissible cool. air temp. at fan)         [°C]         57         52           Fan power consumption <sup>4</sup> [kW]         12.4         12.4           Cooling air flow         [m³/h]         14760         14760           Air pressure loss, external         [mbar]         2.0         2.0           Heat Balance         [kW]         95.9         109.8           Heat dissipation (engine radiator) <sup>6</sup> [kW]         95.9         109.8           Heat dissipation (CAC)         [kW]         46.8         50.9           Heat dissipation (convection)         [kW]         20.0         22.5           Inlet / Exhaust Data           Max. intake depression (Switch setting)         [mbar]         25         25           Combustion air volume         [m³/h]         931.4         946           Max. exhaust back pressure         [mbar]         30         30           Max. exhaust gas temperature         [°C]         515         530           Exhaust gas flow (at above temp)         [m³/h]         2526         2666	Temperature at CAC outlet at standard conditions	[°C]	40	40
Coolant capacity (incl. cooling unit)  Air to boil (max. permissible cool. air temp. at fan)  Fan power consumption <sup>4</sup> [kW]  Fan power consumption <sup>4</sup> Fan power consumption <sup>4</sup> [kW]  Fan power consumption <sup>4</sup> Fan power consumption in temp. at fan it is 52  Fan power consumption in temp. at fan it is 52  Fan power consumption in temp. at fan it is 52  Fan power consumption in temp. at fan it is 52  Fan power consumption in temp. at fan it is 52  Fan power consumption in temp. at fan it is 52  Fan power consumption in temp. at fan it is 52  Fan power consumption in temp. at fan it is 52  Fan power consumption in temp. at fan it is 52  Fan power consumption in temp. at fan it is 52  Fan power consumption in temp. at fan it is 52  Fan power consumption in temp. at fan it is 52  Fan power consumption in temp. at fan it is 52  Fan power consumption in temp. at fan it is 52  Fan power consumption in temp. at fan it is 52  Fan power consumption in temp. at fan it is 52  Fan power consumption in temp. at fan it is 52  Fan power consumption in temp. at fan it is 52  Fan power consumption in temp. at fan it is 52  Fan power consumption in the fan it is 52  Fan power consumption in the fan it is 52  Fan power consumption in the fan it is 52  Fan power consumption in the fan it is 52  Fan power consumption in the fan it is 52  Fan power consumption in the fan it is 52  Fan power consumption in the fan it is 52  F	DEUTZ Cooling System			
Air to boil (max. permissible cool. air temp. at fan) [°C] 57 52 Fan power consumption <sup>4</sup> [kW] 12.4 12.4 Cooling air flow [m³/h] 14760 14760 Air pressure loss, external [mbar] 2.0 2.0 Heat Balance Heat dissipation (engine radiator) <sup>6</sup> [kW] 95.9 109.8 Heat dissipation (CAC) [kW] 46.8 50.9 Heat dissipation (convection) [kW] 20.0 22.5  Inlet / Exhaust Data  Max. intake depression (Switch setting) [mbar] 25 25 Combustion air volume [m³/h] 931.4 946 Max. exhaust back pressure [mbar] 30 30 Max. exhaust gas temperature [°C] 515 530 Exhaust gas flow (at above temp) [m³/h] 2526 2666	Coolant capacity (engine)	[1]	9.8	9.8
Fan power consumption <sup>4</sup> [kW] 12.4 12.4 Cooling air flow [m³/h] 14760 14760 Air pressure loss, external [mbar] 2.0 2.0 Heat Balance Heat dissipation (engine radiator) <sup>6</sup> [kW] 95.9 109.8 Heat dissipation (CAC) [kW] 46.8 50.9 Heat dissipation (convection) [kW] 20.0 22.5  Inlet / Exhaust Data  Max. intake depression (Switch setting) [mbar] 25 25 Combustion air volume [m³/h] 931.4 946 Max. exhaust back pressure [mbar] 30 30 Max. exhaust gas temperature [°C] 515 530 Exhaust gas flow (at above temp) [m³/h] 2526 2666	Coolant capacity (incl. cooling unit)	[1]	27.3	27.3
Cooling air flow Air pressure loss, external [m³/h] 14760 14760 Air pressure loss, external [mbar] 2.0 2.0  Heat Balance Heat dissipation (engine radiator) <sup>6</sup> [kW] 95.9 109.8 Heat dissipation (CAC) [kW] 46.8 50.9 Heat dissipation (convection) [kW] 20.0 22.5  Inlet / Exhaust Data  Max. intake depression (Switch setting) [mbar] 25 25  Combustion air volume [m³/h] 931.4 946  Max. exhaust back pressure [mbar] 30 30  Max. exhaust gas temperature [°C] 515 530  Exhaust gas flow (at above temp) [m³/h] 2526 2666	Air to boil (max. permissible cool. air temp. at fan)	[°C]	57	52
Air pressure loss, external [mbar] 2.0 2.0  Heat Balance Heat dissipation (engine radiator) <sup>6</sup> [kW] 95.9 109.8 Heat dissipation (CAC) [kW] 46.8 50.9 Heat dissipation (convection) [kW] 20.0 22.5  Inlet / Exhaust Data  Max. intake depression (Switch setting) [mbar] 25 25  Combustion air volume [m³/h] 931.4 946  Max. exhaust back pressure [mbar] 30 30  Max. exhaust gas temperature [°C] 515 530  Exhaust gas flow (at above temp) [m³/h] 2526 2666	Fan power consumption <sup>4</sup>	[kW]	12.4	12.4
Heat Balance         Heat dissipation (engine radiator) <sup>6</sup> [kW]       95.9       109.8         Heat dissipation (convection)       [kW]       46.8       50.9         Heat dissipation (convection)       [kW]       20.0       22.5         Inlet / Exhaust Data         Max. intake depression (Switch setting)       [mbar]       25       25         Combustion air volume       [m³/h]       931.4       946         Max. exhaust back pressure       [mbar]       30       30         Max. exhaust gas temperature       [°C]       515       530         Exhaust gas flow (at above temp)       [m³/h]       2526       2666	Cooling air flow	[m <sup>3</sup> /h]	14760	14760
Heat dissipation (engine radiator) <sup>6</sup> [kW]       95.9       109.8         Heat dissipation (CAC)       [kW]       46.8       50.9         Heat dissipation (convection)       [kW]       20.0       22.5         Inlet / Exhaust Data       Wax. intake depression (Switch setting)         [mbar]       25       25         Combustion air volume       [m³/h]       931.4       946         Max. exhaust back pressure       [mbar]       30       30         Max. exhaust gas temperature       [°C]       515       530         Exhaust gas flow (at above temp)       [m³/h]       2526       2666	Air pressure loss, external	[ mbar ]	2.0	2.0
Heat dissipation (CAC)       [kW]       46.8       50.9         Heat dissipation (convection)       [kW]       20.0       22.5         Inlet / Exhaust Data       V         Max. intake depression (Switch setting)       [mbar]       25       25         Combustion air volume       [m³/h]       931.4       946         Max. exhaust back pressure       [mbar]       30       30         Max. exhaust gas temperature       [°C]       515       530         Exhaust gas flow (at above temp)       [m³/h]       2526       2666	Heat Balance			
Heat dissipation (convection)       [kW]       20.0       22.5         Inlet / Exhaust Data       State of Exhaust Data         Max. intake depression (Switch setting)       [mbar]       25       25         Combustion air volume       [m³/h]       931.4       946         Max. exhaust back pressure       [mbar]       30       30         Max. exhaust gas temperature       [°C]       515       530         Exhaust gas flow (at above temp)       [m³/h]       2526       2666	Heat dissipation (engine radiator) <sup>6</sup>	[kW]	95.9	109.8
Inlet / Exhaust DataMax. intake depression (Switch setting)[mbar]2525Combustion air volume[m³/h]931.4946Max. exhaust back pressure[mbar]3030Max. exhaust gas temperature[°C]515530Exhaust gas flow (at above temp)[m³/h]25262666	Heat dissipation (CAC)	[kW]	46.8	50.9
Max. intake depression (Switch setting)[mbar]2525Combustion air volume[m³/h]931.4946Max. exhaust back pressure[mbar]3030Max. exhaust gas temperature[°C]515530Exhaust gas flow (at above temp)[m³/h]25262666	Heat dissipation (convection)	[kW]	20.0	22.5
Combustion air volume       [m³/h]       931.4       946         Max. exhaust back pressure       [mbar]       30       30         Max. exhaust gas temperature       [°C]       515       530         Exhaust gas flow (at above temp)       [m³/h]       2526       2666	Inlet / Exhaust Data			
Max. exhaust back pressure[mbar]3030Max. exhaust gas temperature[°C]515530Exhaust gas flow (at above temp)[m³/h]25262666	Max. intake depression (Switch setting)	[mbar]	25	25
Max. exhaust gas temperature [°C] 515 530 Exhaust gas flow (at above temp) [m³/h] 2526 2666	Combustion air volume	[m <sup>3</sup> /h]	931.4	946
Exhaust gas flow (at above temp) [m³/h] 2526 2666	Max. exhaust back pressure	[mbar]	30	30
Exhaust gas flow (at above temp) [m³/h] 2526 2666	Max. exhaust gas temperature	[°C]	515	530
Exhaust flange / pipe diameter [mm]		[m <sup>3</sup> /h]	2526	2666
	Exhaust flange / pipe diameter	[mm]	_	_



## Engine Datasheet BF6M1013FC 1800-min<sup>-1</sup>

Engine			
Туре		BF6M1013FC	BF6M1013FC
Electrical System			
Voltage	[V]	24	24
Starter	[kW]	6	6
Alternator output	[A]	35	35
Batteries(minimum capacity, cold start limit -5°C)	[Ah]	2*100	2*100

Powers (kW) in accordance with DIN ISO 14396.

1 Limited time power 100%, which is capable for up to 500 h/year of which maximum of 300 h/year is continuous running, not exceedable,

but required power for governing purpose only has to be considered. Necessary supply of engine power usually 10% for governing purpose only.

- 1a Prime power 100% , average power output ≤ 80%, no time limitation, plus 5% additional power for governing purpose only.
- 1b Continuous power 100%, no time limitation, plus 10% power for governing purpose only.
- 2 Ratings in accordance with ISO 8525 LTP. Alternator efficiency please see datasheet. 1500 min-1 = kVA, 1800 min-1 = kWe
- 3 At calorific value 42700 kJ/kg + 5 %, density 0.835 kg/dm3, temperature 280 K.
- 4 Technical data and max. permissible torque for fan drive see data sheet.
- 5 Sound power values measured in accordance with ISO 6798.
- 6 The heat quantities are valid for the dimensioning of the cooling system.

They are given for the engine with the highest fuel consumption.

For further application guidance see DEUTZ Installation Manual.

All data are provided for informational purposes only and are subject to amendment.