

Engine				
Type		BF4M2012	BF4M2012C	BF4M2012C
.,,,,		DI 11112012	B1 111120120	D. 111120120
Speed	[min ⁻¹]	1500	1500	1500
Net frequency	[Hz]	50	50	50
Power standard	[]	LTP	LTP	LTP
Power level		_	G1	G2
Exhaust emission standard		COM II	COM II	Fuel optimized
General				
Aspiration		Turbo	Turbo, CAC	Turbo, CAC
No of cylinders		4	4	4
Configuration		in-line	in-line	in-line
Injection system			ngle injection pur	
Displacement	[1]	4.04	4.04	4.04
Bore	[mm]	101	101	101
Stroke	[mm]	126	126	126
Compression ratio		19	19	18, 1
Mean effective pressure	[bar]	11.9	14.8	18.4
Piston speed	[m/s]	6.30	6.30	6.30
Rotation (looking at flywheel)	1	CCW	CCW	CCW
No of teeth on flywheel ring gear		129	129	129
Governor performance				
Speed droop (static) mech. gov.	[%]	4 - 5	4 - 5	4 - 5
Speed droop (static) electr. gov.(EMR/DDE)	[%]	0 - 3	0 - 3	0 - 3
Governing standards				
to ISO 8528 Parts 1 and 5		G2	G2	G2
Moment of inertia				
Engine without flywheel	[kg m²]	0.16	0.16	0.16
Flywheel (standard genset spec.)	[kg m²]	1.2	1.2	1.2
Max. step load acceptance, 1st step	[%]	_	_	_
Sound power at full load,incl. cooling system ⁵	[dB(A)]	105.3	108.1	110
Sound press (1m average,full load), incl.cool.syst.	[dB(A)]	92	94.5	96.7
Weight	2 (/2			
Engine dry, w/o cooling system	[kg]	405	405	405
Engine with cooling system	[kg]	457	473	473
Lubrication system	- 0-			
Oil specification			TR0199-99-3002	/6
Oil consumption (as % of fuel consumption)		0.15	0.15	0.15
Oil capacity (sump)	[I]	8.5	8.5	8.5
Min. oil pressure (warning)	[bar]	1.8	1.8	1.8
Min. oil pressure (shut down)	[bar]	1.5	1.5	1.5
Max. permissible oil temperature(oil pan)	[°C]	125	125	125
Output				
Gross output(LTP or StandBy Power) ¹	[kW]	60	74.9	93
Fan reduction	[kW]	2.0	4.9	4.9
Net flywheel	[kW]	58.0	70.0	88.1
Electrical output ²	[kVA]	65	80	100
Gross output(PRP or Prime Power) ^{1a}	[kW]	54	71	85
Gross output(Continous Power) 1b	[kW]	51	64	78





Cooling System General engine cooling data "C" 105 1	Engine					
Fuel consumption	-		BF4M2012	BF4M2012C	BF4M2012C	
Fuel consumption						
25% load³ [I/h] 4.0 5.0 5.9 50% load³ [I/h] 7.0 8.9 10.8 50% load³ [I/h] 10.2 13.3 15.9 100% load³ [I/h] 13.7 18.1 21.3 25% load [g/kWh] 256 240 236 50% load [g/kWh] 221 214 215 75% load [g/kWh] 216 217 213 Max. suction head of fuel feed pump [m] - - - Cooling System [m] - - - - General engine cooling data [m] -<						
50% load³ [I/h] 7.0 8.9 10.8 75% load³ [I/h] 10.2 13.3 15.9 100% load³ [I/h] 13.7 18.1 21.3 25% load [g/kWh] 256 240 236 50% load [g/kWh] 221 214 215 75% load [g/kWh] 216 217 213 Max suction head of fuel feed pump [m] - - - Cooling System [m] - - - - General engine cooling data [m] - - - - Max. perm. Gool not cooling data [°C] 105 105 105 105 Max. perm. Goov esistance (cool. syst. and piping) [bar] 0.22						
75% load³ [I/h] 10.2 13.3 15.9 100% load³ [I/h] 13.7 18.1 21.3 25% load [g/kWh] 256 240 236 50% load [g/kWh] 221 214 215 75% load [g/kWh] 216 217 213 Max. suction head of fuel feed pump [m] - - - - Cooling System General engine cooling data Max. perm. coolant outlet temperature [°C] 105 105 105 Max. perm. coolant outlet (warning) [bar] 0.22 0.22 0.22 Max. temperature of coolant (warning) [°C] 108 108 108 Max. temperature at which thermostat is fully open [°C] 83 83 83 Temperature at which thermostat is fully open [°C] 98 98 98 Delivery of coolant pump [m³/h] 7.2 7.2 7.2 Min. pressure before coolant pump [m²/h] 0.3						
100% load ³						
25% load [g/kWh] 256 240 236 50% load [g/kWh] 221 214 215 75% load [g/kWh] 214 213 212 100% load [g/kWh] 216 217 213 Max. suction head of fuel feed pump [m] - - - Cooling System General engine cooling data Max. perm. flow resistance (cool. syst. and piping) [bar] 0.22 0.22 0.22 Max. temperature of coolant (warning) [°C] 108 108 108 Max. temperature of coolant (warning) [°C] 108 108 108 Max. temperature of coolant (warning) [°C] 108 108 108 Max. temperature at which thermostat starts to open [°C] 83 83 83 Temperature at which thermostat is fully open [°C] 98 98 98 Delivery of coolant pump [m³/h] 7.2 7.2 7.2 Min. pressure before coolant pump [bar] 0.3 0.3 0.3 Temperature at CAC outlet at standard conditions [°C] - 40 40 DEUTZ Cooling System [Coolant capacity (incl. cooling unit) [I]						
50% load [g/kWh] 221 214 215 75% load [g/kWh] 214 213 212 100% load [g/kWh] 216 217 213 Max. suction head of fuel feed pump [m] - - - Cooling System Cooling System General engine cooling data Max.perm. flow resistance (cool. syst. and piping) [bar] 0.22 0.22 0.22 Max. perm. flow resistance (cool. syst. and piping) [bar] 0.22 0.22 0.22 Max. temperature of coolant (warning) [°C] 108 108 108 Max. temperature of coolant (shutdown) [°C] 110 110 110 Temperature at which thermostat starts to open [°C] 83 83 83 Temperature at which thermostat is fully open [°C] 98 98 98 Delivery of coolant pump [m³³/h] 7.2 7.2 7.2 Min. pressure before coolant pump [bar] 0.3 0.3 0.3 Temperature at						
75% load						
100% load Ig/kWh 216 217 213 Max. suction head of fuel feed pump [m] - - - Cooling System Cooling System Secondary of the part of the par		[g/kWh]				
Max. suction head of fuel feed pump [m] - - Cooling System General engine cooling data Bax perm. coolant outlet temperature [°C] 105 105 105 Max. perm. flow resistance (cool. syst. and piping) [bar] 0.22 0.22 0.22 0.22 Max. temperature of coolant (warning) [°C] 108 108 108 108 Max. temperature of coolant (shutdown) [°C] 110 </td <td></td> <td></td> <td></td> <td></td> <td></td>						
Cooling System General engine cooling data "C" 105 1	100% load	[g/kWh]	216	217	213	
General engine cooling data (°C) 105 105 105 Max. perm. flow resistance (cool. syst. and piping) [bar] 0.22 0.22 0.22 Max. temperature of coolant (warning) [°C] 108 108 108 Max. temperature of coolant (shutdown) [°C] 110 110 110 110 Temperature at which thermostat starts to open [°C] 83 83 83 Temperature at which thermostat is fully open [°C] 98 98 98 Delivery of coolant pump [m³/h] 7.2 7.2 7.2 Min. pressure before coolant pump [bar] 0.3 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) [I] 15.9 15.9 15.9 Air to boil (max. permissible cool. air temp. at fan) [°C] 55 55 55 Fan power consumption (max. permissible cool. air temp. at fan) [°C] </td <td>Max. suction head of fuel feed pump</td> <td>[m]</td> <td>_</td> <td>_</td> <td>_</td>	Max. suction head of fuel feed pump	[m]	_	_	_	
Max.perm.coolant outlet temperature [°C] 105 105 Max. perm. flow resistance (cool. syst. and piping) [bar] 0.22 0.22 0.22 Max.temperature of coolant (warning) [°C] 108 108 108 Max. temperature of coolant (shutdown) [°C] 110 111 110 Temperature at which thermostat starts to open [°C] 83 83 83 Temperature at which thermostat is fully open [°C] 98 98 98 Delivery of coolant pump [m³/h] 7.2 7.2 7.2 Min. pressure before coolant pump [bar] 0.3 0.3 0.3 Temperature at CAC outlet at standard conditions [°C] - 40 40 DEUTZ Cooling System Coolant capacity (engine) [l] 6.0 6.0 6.0 Coolant capacity (incl. cooling unit) [l] 15.9 15.9 15.9 Air to boil (max. permissible cool. air temp. at fan) [°C] 55 55 55 Fan power consumption ⁴ [kW] 2.0	Cooling System					
Max. perm. flow resistance (cool. syst. and piping) [bar] 0.22 0.22 0.22 Max.temperature of coolant (warning) [°C] 108 108 108 Max. temperature of coolant (shutdown) [°C] 110 110 110 Temperature at which thermostat starts to open [°C] 83 83 83 Temperature at which thermostat is fully open [°C] 98 98 98 Delivery of coolant pump [m³/h] 7.2 7.2 7.2 Min. pressure before coolant pump [bar] 0.3 0.3 0.3 Temperature at CAC outlet at standard conditions [°C] - 40 40 DEUTZ Cooling System 0 6.0 6.0 6.0 Coolant capacity (engine) [I] 6.0 6.0 6.0 Coolant capacity (incl. cooling unit) [I] 15.9 15.9 15.9 Air to boil (max. permissible cool. air temp. at fan) [°C] 55 55 55 Fan power consumption ⁴ [kW] [kW] 2.0 4.9<						
Max.temperature of coolant (warning) [°C] 108 108 Max. temperature of coolant (shutdown) [°C] 110 110 110 Temperature at which thermostat starts to open [°C] 83 83 83 Temperature at which thermostat is fully open [°C] 98 98 98 Delivery of coolant pump [m³/h] 7.2 7.2 7.2 7.2 Min. pressure before coolant pump [bar] 0.3 0.3 0.3 Temperature at CAC outlet at standard conditions [°C] - 40 40 DEUTZ Cooling System Coolant capacity (engine) [I] 6.0 6.0 6.0 Coolant capacity (incl. cooling unit) [I] 15.9 15.9 15.9 Air to boil (max. permissible cool. air temp. at fan) [°C] 55 55 55 Fan power consumption 4 [kW] 2.0 4.9 4.9 Cooling air flow [m³/h] 470 5400 5400 Air pressure loss, external [mbar] 1.5		[°C]	105	105	105	
Max. temperature of coolant (shutdown) [°C] 110 110 110 Temperature at which thermostat starts to open [°C] 83 83 83 Temperature at which thermostat is fully open [°C] 98 98 98 Delivery of coolant pump [m³/h] 7.2 7.2 7.2 Min. pressure before coolant pump [bar] 0.3 0.3 0.3 Temperature at CAC outlet at standard conditions [°C] - 40 40 DEUTZ Cooling System <td col<="" td=""><td>Max. perm. flow resistance (cool. syst. and piping)</td><td>[bar]</td><td>0.22</td><td>0.22</td><td>0.22</td></td>	<td>Max. perm. flow resistance (cool. syst. and piping)</td> <td>[bar]</td> <td>0.22</td> <td>0.22</td> <td>0.22</td>	Max. perm. flow resistance (cool. syst. and piping)	[bar]	0.22	0.22	0.22
Temperature at which thermostat starts to open [°C] 83 83 83 Temperature at which thermostat is fully open [°C] 98 98 98 Delivery of coolant pump [m³/h] 7.2 7.2 7.2 Min. pressure before coolant pump [bar] 0.3 0.3 0.3 Temperature at CAC outlet at standard conditions [°C] - 40 40 DEUTZ Cooling System Coolant capacity (engine) [I] 6.0 6.0 6.0 Coolant capacity (incl. cooling unit) [I] 15.9 15.9 15.9 Air to boil (max. permissible cool. air temp. at fan) [°C] 55 55 55 Fan power consumption ⁴ [kW] 2.0 4.9 4.9 Cooling air flow [m³/h] 4700 5400 5400 Air pressure loss, external [mbar] 1.5 1.5 1.5 Heat dissipation (engine radiator) ⁶ [kW] 41.1 43.1 44.7 Heat dissipation (convection) [kW] - 7.5		[°C]	108	108	108	
Temperature at which thermostat is fully open [°C] 98 98 98 Delivery of coolant pump [m³/h] 7.2 7.2 7.2 Min. pressure before coolant pump [bar] 0.3 0.3 0.3 Temperature at CAC outlet at standard conditions [°C] - 40 40 DEUTZ Cooling System Coolant capacity (engine) [I] 6.0 6.0 6.0 Coolant capacity (incl. cooling unit) [I] 15.9 15.9 15.9 Air to boil (max. permissible cool. air temp. at fan) [°C] 55 55 55 Fan power consumption ⁴ [kW] 2.0 4.9 4.9 Cooling air flow [m³/h] 4700 5400 5400 Air pressure loss, external [mbar] 1.5 1.5 1.5 Heat Balance Heat dissipation (engine radiator) ⁶ [kW] 41.1 43.1 44.7 Heat dissipation (CAC) [kW] - 7.5 12.3 Heat dissipation (convection) [kW] 6.0<		[°C]	110	110	110	
Delivery of coolant pump	Temperature at which thermostat starts to open		83	83	83	
Min. pressure before coolant pump [bar] 0.3 0.3 0.3 Temperature at CAC outlet at standard conditions [°C] - 40 40 DEUTZ Cooling System Coolant capacity (engine) [I] 6.0 6.0 6.0 Coolant capacity (incl. cooling unit) [I] 15.9 15.9 15.9 Air to boil (max. permissible cool. air temp. at fan) [°C] 55 55 55 Fan power consumption ⁴ [kW] 2.0 4.9 4.9 Cooling air flow [m³/h] 4700 5400 5400 Air pressure loss, external [mbar] 1.5 1.5 1.5 Heat dissipation (engine radiator) ⁶ [kW] 41.1 43.1 44.7 Heat dissipation (cAC) [kW] - 7.5 12.3 Heat dissipation (convection) [kW] 6.0 7.5 10.4 Inlet / Exhaust Data Max. intake depression (Switch setting) [mbar] 25 25 25 Combustion air volume [mbar]	Temperature at which thermostat is fully open		98	98	98	
Temperature at CAC outlet at standard conditions [°C] - 40 40 DEUTZ Cooling System Coolant capacity (engine) [I] 6.0 6.0 6.0 Coolant capacity (incl. cooling unit) [I] 15.9 15.9 15.9 Air to boil (max. permissible cool. air temp. at fan) [°C] 55 55 Fan power consumption ⁴ [kW] 2.0 4.9 4.9 Cooling air flow [m³/h] 4700 5400 5400 Air pressure loss, external [mbar] 1.5 1.5 1.5 Heat Balance Heat dissipation (engine radiator) ⁶ [kW] 41.1 43.1 44.7 Heat dissipation (CAC) [kW] - 7.5 12.3 Heat dissipation (convection) [kW] 6.0 7.5 10.4 Inlet / Exhaust Data Max. intake depression (Switch setting) [mbar] 25 25 25 Combustion air volume [m³/h] 219.6 267.4 320.0 Max. exhaust back pressure [mbar] 30 30 30 Max. exhaust gas temperature [°C] 610 600 600 Exhaust gas flow (at above temp) [m³/h] 526 829 1087	Delivery of coolant pump	[m³/h]	7.2	7.2	7.2	
DEUTZ Cooling System Coolant capacity (engine) [I] 6.0 6.0 6.0 Coolant capacity (incl. cooling unit) [I] 15.9 15.9 15.9 Air to boil (max. permissible cool. air temp. at fan) [°C] 55 55 55 Fan power consumption ⁴ [kW] 2.0 4.9 4.9 Cooling air flow [m³/h] 4700 5400 5400 Air pressure loss, external [mbar] 1.5 1.5 1.5 Heat Balance [kW] 41.1 43.1 44.7 Heat dissipation (engine radiator) ⁶ [kW] - 7.5 12.3 Heat dissipation (CAC) [kW] - 7.5 12.3 Heat dissipation (convection) [kW] 6.0 7.5 10.4 Inlet / Exhaust Data Max. intake depression (Switch setting) [mbar] 25 25 25 Combustion air volume [mbar] 30 30 30 Max. exhaust back pressure [mbar] 30 30 30 Max. exhaust gas temperature [°C]	Min. pressure before coolant pump	[bar]	0.3	0.3	0.3	
Coolant capacity (engine) [I] 6.0 6.0 6.0 Coolant capacity (incl. cooling unit) [I] 15.9 15.9 15.9 Air to boil (max. permissible cool. air temp. at fan) [°C] 55 55 55 Fan power consumption ⁴ [kW] 2.0 4.9 4.9 Cooling air flow [m³/h] 4700 5400 5400 Air pressure loss, external [mbar] 1.5 1.5 1.5 Heat Balance [kW] 41.1 43.1 44.7 Heat dissipation (engine radiator) ⁶ [kW] 41.1 43.1 44.7 Heat dissipation (CAC) [kW] - 7.5 12.3 Heat dissipation (convection) [kW] 6.0 7.5 10.4 Inlet / Exhaust Data Max. intake depression (Switch setting) [mbar] 25 25 25 Combustion air volume [m³/h] 219.6 267.4 320.0 Max. exhaust back pressure [mbar] 30 30 30 Max. exhaust gas temperature [°C] 610 600 600 <td>Temperature at CAC outlet at standard conditions</td> <td>[°C]</td> <td>_</td> <td>40</td> <td>40</td>	Temperature at CAC outlet at standard conditions	[°C]	_	40	40	
Coolant capacity (incl. cooling unit) [I] 15.9 15.9 15.9 Air to boil (max. permissible cool. air temp. at fan) [°C] 55 55 55 Fan power consumption ⁴ [kW] 2.0 4.9 4.9 Cooling air flow [m³/h] 4700 5400 5400 Air pressure loss, external [mbar] 1.5 1.5 1.5 Heat Balance [kW] 41.1 43.1 44.7 Heat dissipation (engine radiator) ⁶ [kW] - 7.5 12.3 Heat dissipation (convection) [kW] - 7.5 12.3 Heat dissipation (convection) [kW] 6.0 7.5 10.4 Inlet / Exhaust Data Wax. intake depression (Switch setting) [mbar] 25 25 25 Combustion air volume [m³/h] 219.6 267.4 320.0 Max. exhaust back pressure [mbar] 30 30 30 Max. exhaust gas temperature [°C] 610 600 600 Exhaust gas flow (at above temp) [m³/h] 526 829 1087 <	DEUTZ Cooling System					
Air to boil (max. permissible cool. air temp. at fan) [°C] 55 55 55 55 Fan power consumption ⁴ [kW] 2.0 4.9 4.9 Cooling air flow [m³/h] 4700 5400 5400 Air pressure loss, external [mbar] 1.5 1.5 1.5 1.5 Heat Balance Heat dissipation (engine radiator) ⁶ [kW] 41.1 43.1 44.7 Heat dissipation (CAC) [kW] - 7.5 12.3 Heat dissipation (convection) [kW] 6.0 7.5 10.4 Inlet / Exhaust Data Max. intake depression (Switch setting) [mbar] 25 25 25 Combustion air volume [m³/h] 219.6 267.4 320.0 Max. exhaust back pressure [mbar] 30 30 30 Max. exhaust gas temperature [°C] 610 600 600 Exhaust gas flow (at above temp) [m³/h] 526 829 1087	Coolant capacity (engine)	[1]	6.0	6.0	6.0	
Fan power consumption⁴ [kW] 2.0 4.9 4.9 Cooling air flow [m³/h] 4700 5400 5400 Air pressure loss, external [mbar] 1.5 1.5 1.5 Heat Balance Heat dissipation (engine radiator)⁴ [kW] 41.1 43.1 44.7 Heat dissipation (CAC) [kW] − 7.5 12.3 Heat dissipation (convection) [kW] 6.0 7.5 10.4 Inlet / Exhaust Data Max. intake depression (Switch setting) [mbar] 25 25 25 Combustion air volume [m³/h] 219.6 267.4 320.0 Max. exhaust back pressure [mbar] 30 30 30 Max. exhaust gas temperature [°C] 610 600 600 Exhaust gas flow (at above temp) [m³/h] 526 829 1087	Coolant capacity (incl. cooling unit)	[1]	15.9	15.9	15.9	
Cooling air flow [m³/h] 4700 5400 5400 Air pressure loss, external [mbar] 1.5 1.5 1.5 Heat Balance Heat dissipation (engine radiator) ⁶ [kW] 41.1 43.1 44.7 Heat dissipation (CAC) [kW] - 7.5 12.3 Heat dissipation (convection) [kW] 6.0 7.5 10.4 Inlet / Exhaust Data Max. intake depression (Switch setting) [mbar] 25 25 25 Combustion air volume [m³/h] 219.6 267.4 320.0 Max. exhaust back pressure [mbar] 30 30 30 Max. exhaust gas temperature [°C] 610 600 600 Exhaust gas flow (at above temp) [m³/h] 526 829 1087	Air to boil (max. permissible cool. air temp. at fan)	[°C]	55	55	55	
Air pressure loss, external [mbar] 1.5 1.5 1.5 Heat Balance Heat dissipation (engine radiator) ⁶ [kW] 41.1 43.1 44.7 Heat dissipation (CAC) [kW] - 7.5 12.3 Heat dissipation (convection) [kW] 6.0 7.5 10.4 Inlet / Exhaust Data Max. intake depression (Switch setting) [mbar] 25 25 25 Combustion air volume [m³/h] 219.6 267.4 320.0 Max. exhaust back pressure [mbar] 30 30 30 Max. exhaust gas temperature [°C] 610 600 600 Exhaust gas flow (at above temp) [m³/h] 526 829 1087	Fan power consumption ⁴	[kW]	2.0	4.9	4.9	
Heat Balance [kW] 41.1 43.1 44.7 Heat dissipation (CAC) [kW] - 7.5 12.3 Heat dissipation (convection) [kW] 6.0 7.5 10.4 Inlet / Exhaust Data Max. intake depression (Switch setting) [mbar] 25 25 25 Combustion air volume [m³/h] 219.6 267.4 320.0 Max. exhaust back pressure [mbar] 30 30 30 Max. exhaust gas temperature [°C] 610 600 600 Exhaust gas flow (at above temp) [m³/h] 526 829 1087	Cooling air flow	[m ³ /h]	4700	5400	5400	
Heat dissipation (engine radiator) ⁶ [kW] 41.1 43.1 44.7 Heat dissipation (CAC) [kW] - 7.5 12.3 Heat dissipation (convection) [kW] 6.0 7.5 10.4 Inlet / Exhaust Data Max. intake depression (Switch setting) [mbar] 25 25 25 Combustion air volume [m³/h] 219.6 267.4 320.0 Max. exhaust back pressure [mbar] 30 30 30 Max. exhaust gas temperature [°C] 610 600 600 Exhaust gas flow (at above temp) [m³/h] 526 829 1087	Air pressure loss, external	[mbar]	1.5	1.5	1.5	
Heat dissipation (CAC) [kW] - 7.5 12.3 Heat dissipation (convection) [kW] 6.0 7.5 10.4 Inlet / Exhaust Data Max. intake depression (Switch setting) [mbar] 25 25 25 Combustion air volume [m³/h] 219.6 267.4 320.0 Max. exhaust back pressure [mbar] 30 30 30 Max. exhaust gas temperature [°C] 610 600 600 Exhaust gas flow (at above temp) [m³/h] 526 829 1087	Heat Balance					
Heat dissipation (convection) [kW] 6.0 7.5 10.4 Inlet / Exhaust Data Image: Second Secon	Heat dissipation (engine radiator) ⁶	[kW]	41.1	43.1	44.7	
Heat dissipation (convection) [kW] 6.0 7.5 10.4 Inlet / Exhaust Data Image: Exhaust Data Max. intake depression (Switch setting) [mbar] 25 25 25 Combustion air volume [m³/h] 219.6 267.4 320.0 Max. exhaust back pressure [mbar] 30 30 30 Max. exhaust gas temperature [°C] 610 600 600 Exhaust gas flow (at above temp) [m³/h] 526 829 1087			_	7.5	12.3	
Max. intake depression (Switch setting) [mbar] 25 25 25 Combustion air volume [m³/h] 219.6 267.4 320.0 Max. exhaust back pressure [mbar] 30 30 30 Max. exhaust gas temperature [°C] 610 600 600 Exhaust gas flow (at above temp) [m³/h] 526 829 1087	Heat dissipation (convection)	[kW]	6.0	7.5	10.4	
Combustion air volume [m³/h] 219.6 267.4 320.0 Max. exhaust back pressure [mbar] 30 30 30 Max. exhaust gas temperature [°C] 610 600 600 Exhaust gas flow (at above temp) [m³/h] 526 829 1087	Inlet / Exhaust Data					
Combustion air volume [m³/h] 219.6 267.4 320.0 Max. exhaust back pressure [mbar] 30 30 30 Max. exhaust gas temperature [°C] 610 600 600 Exhaust gas flow (at above temp) [m³/h] 526 829 1087	Max. intake depression (Switch setting)	[mbar]	25	25	25	
Max. exhaust back pressure [mbar] 30 30 30 Max. exhaust gas temperature [°C] 610 600 600 Exhaust gas flow (at above temp) [m³/h] 526 829 1087			219.6	267.4		
Max. exhaust gas temperature [°C] 610 600 600 Exhaust gas flow (at above temp) [m³/h] 526 829 1087	Max. exhaust back pressure		30	30	30	
Exhaust gas flow (at above temp) [m³/h] 526 829 1087	The state of the s	[°C]	610	600	600	
	Exhaust flange / pipe diameter	[mm]	_	_	_	



Engine Datasheet BF4M2012/C 1500-min⁻¹

Engine				
Туре		BF4M2012	BF4M2012C	BF4M2012C
Electrical System				
Voltage	[V]	24	24	24
Starter	[kW]	6	6	6
Alternator output	[A]	35	35	35
Batteries(minimum capacity, cold start limit -5°C)	[Ah]	2*100	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.