

Single boiler:

Energy efficiency class	A+
Rated heat output (kW).....	20,0
Energy efficiency index (EEI).....	113
Seasonal space heating energy efficiency (%).....	77

Composite system: (Boiler + regulator)

Energy efficiency class combine.....	A+
Energy efficiency index (EEI) combine.....	117

Model identifier	BMK 20
Valid from year	2020
Start mode	manually
Condensing boiler.....	No
Solid fuel boiler with combined heat and power	No
Combi heater	Yes
Recommended hot water tank size.....	779 liter

BMK 20
2020
manually
No
No
Yes
779 liter

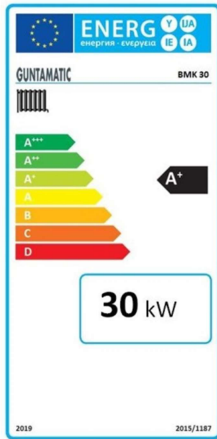
Fuel according Norm	EN 17225-5 firewood	preferred fuel	other suitable fuel	seasonal space heating energy efficiency	seasonal space heating emissions according EN 303-5 (mg/m ³)			
					η_s (%)	PM	OGC	CO
Logwood moisture content $\leq 25\%$ = commercial fuel		X		≥ 75	≤ 60	≤ 30	≤ 700	≤ 350
Logwood moisture content $\leq 25\%$ = with ideal fuel , version for condensing fireplace (low in potassium, without bark, hardly fines, maximum best values)		X		77	15	8	122	182

Properties when operating with the preferred fuel

Usable heat at nominal heat output	P_n	20,0	kW
Usable heat at 30% / 50% nominal heat output.....	P_P	---	kW
Fuel efficiency at nominal output.....	η_n	83,4	%
Fuel efficiency at 30% / 50% of nominal output.....	η_P	---	%
Auxiliary power consumption at nominal heat output	$e_{l,max}$	0,13	kW
Auxiliary power consumption at 30% / 50% of nominal output.....	$e_{l,min}$	---	kW
Auxiliary power consumption of integrated components for emission reduction.....	---	---	kW
Auxiliary power consumption in standby mode	P_{SB}	0,01	kW
Electrical efficiency with combined heat and power at nominal heat output	$\eta_{el,n}$	---	%

P_n	20,0	kW
P_P	---	kW
η_n	83,4	%
η_P	---	%
$e_{l,max}$	0,13	kW
$e_{l,min}$	---	kW
---	---	kW
P_{SB}	0,01	kW
$\eta_{el,n}$	---	%

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Single boiler:

Energy efficiency class	A+
Rated heat output (kW).....	30,0
Energy efficiency index (EEI).....	113
Seasonal space heating energy efficiency (%).....	77

Composite system: (Boiler + regulator)

Energy efficiency class combine.....	A+
Energy efficiency index (EEI) combine.....	117

Model identifier	BMK 30
Valid from year	2020
Start mode	manually
Condensing boiler.....	No
Solid fuel boiler with combined heat and power	No
Combi heater	Yes
Recommended hot water tank size.....	1229 liter

BMK 30
2020
manually
No
No
Yes
1229 liter

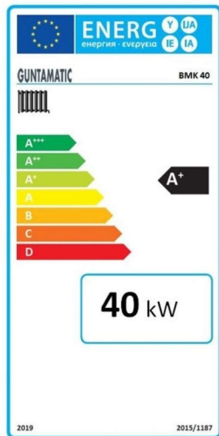
Fuel according Norm	EN 17225-5	firewood	preferred fuel	other suitable fuel	seasonal space heating energy efficiency	seasonal space heating emissions according EN 303-5 (mg/m ³)			
						η_s (%)	PM	OGC	CO
Logwood moisture content $\leq 25\%$ = commercial fuel	X		≥ 77	≤ 60	≤ 30	≤ 700	≤ 350		
Logwood moisture content $\leq 25\%$ = with ideal fuel , version for condensing fireplace (low in potassium, without bark, hardly fines, maximum best values)	X		77	18	15	120	176		

Properties when operating with the preferred fuel

Usable heat at nominal heat output	P_n	30,0	kW
Usable heat at 30% / 50% nominal heat output.....	P_P	---	kW
Fuel efficiency at nominal output.....	η_n	84,9	%
Fuel efficiency at 30% / 50% of nominal output.....	η_P	---	%
Auxiliary power consumption at nominal heat output	$e_{l,max}$	0,19	kW
Auxiliary power consumption at 30% / 50% of nominal output.....	$e_{l,min}$	---	kW
Auxiliary power consumption of integrated components for emission reduction.....	---	---	kW
Auxiliary power consumption in standby mode	P_{SB}	0,01	kW
Electrical efficiency with combined heat and power at nominal heat output	$\eta_{el,n}$	---	%

P_n	30,0	kW
P_P	---	kW
η_n	84,9	%
η_P	---	%
$e_{l,max}$	0,19	kW
$e_{l,min}$	---	kW
---	---	kW
P_{SB}	0,01	kW
$\eta_{el,n}$	---	%

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Single boiler:

Energy efficiency class	A+
Rated heat output (kW).....	39,5
Energy efficiency index (EEI).....	113
Seasonal space heating energy efficiency (%).....	77

Composite system: (Boiler + regulator)

Energy efficiency class combine.....	A+
Energy efficiency index (EEI) combine.....	117

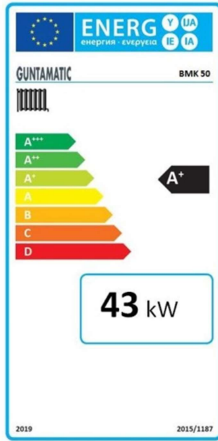
Model identifier	BMK 40
Valid from year	2020
Start mode	manually
Condensing boiler.....	No
Solid fuel boiler with combined heat and power	No
Combi heater	Yes
Recommended hot water tank size.....	1656 liter

Fuel according Norm	EN 17225-5	firewood	preferred fuel	other suitable fuel	seasonal space heating energy efficiency	seasonal space heating emissions according EN 303-5 (mg/m ³)			
						η_s (%)	PM	OGC	CO
Logwood moisture content $\leq 25\%$ = commercial fuel	X		≥ 77	≤ 60	≤ 30	≤ 700	≤ 350		
Logwood moisture content $\leq 25\%$ = with ideal fuel , version for condensing fireplace (low in potassium, without bark, hardly fines, maximum best values)	X		77	20	21	118	170		

Properties when operating with the preferred fuel

Usable heat at nominal heat output	P_n	39,5	kW
Usable heat at 30% / 50% nominal heat output.....	P_P	---	kW
Fuel efficiency at nominal output.....	η_n	86,3	%
Fuel efficiency at 30% / 50% of nominal output.....	η_P	---	%
Auxiliary power consumption at nominal heat output	$e_{l,max}$	0,24	kW
Auxiliary power consumption at 30% / 50% of nominal output.....	$e_{l,min}$	---	kW
Auxiliary power consumption of integrated components for emission reduction.....	---	---	kW
Auxiliary power consumption in standby mode	P_{SB}	0,01	kW
Electrical efficiency with combined heat and power at nominal heat output	$\eta_{el,n}$	---	%

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Single boiler:

Energy efficiency class	A+
Rated heat output (kW).....	42,5
Energy efficiency index (EEI).....	113
Seasonal space heating energy efficiency (%).....	77

Composite system: (Boiler + regulator)

Energy efficiency class combine.....	A+
Energy efficiency index (EEI) combine.....	117

Model identifier	BMK 50
Valid from year	2020
Start mode	manually
Condensing boiler.....	No
Solid fuel boiler with combined heat and power	No
Combi heater	Yes
Recommended hot water tank size.....	1791 liter

BMK 50
2020
manually
No
No
Yes
1791 liter

Fuel according Norm	EN 17225-5	firewood	preferred fuel	other suitable fuel	seasonal space heating energy efficiency	seasonal space heating emissions according EN 303-5 (mg/m ³)			
						η_s (%)	PM	OGC	CO
Logwood moisture content $\leq 25\%$ = commercial fuel	X		≥ 77	≤ 60	≤ 30	≤ 700	≤ 350		
Logwood moisture content $\leq 25\%$ = with ideal fuel , version for condensing fireplace (low in potassium, without bark, hardly fines, maximum best values)	X		77	20	21	118	170		

Properties when operating with the preferred fuel

Usable heat at nominal heat output	P_n	42,5	kW
Usable heat at 30% / 50% nominal heat output.....	P_p	---	kW
Fuel efficiency at nominal output.....	η_n	86,3	%
Fuel efficiency at 30% / 50% of nominal output.....	η_p	---	%
Auxiliary power consumption at nominal heat output	$e_{l,max}$	0,31	kW
Auxiliary power consumption at 30% / 50% of nominal output.....	$e_{l,min}$	---	kW
Auxiliary power consumption of integrated components for emission reduction.....	---	---	kW
Auxiliary power consumption in standby mode	P_{SB}	0,01	kW
Electrical efficiency with combined heat and power at nominal heat output	$\eta_{el,n}$	---	%

P_n	42,5	kW
P_p	---	kW
η_n	86,3	%
η_p	---	%
$e_{l,max}$	0,31	kW
$e_{l,min}$	---	kW
---	---	kW
P_{SB}	0,01	kW
$\eta_{el,n}$	---	%

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