

Single boiler:

Energy efficiency class	A+
Rated heat output (kW).....	34,5
Energy efficiency index (EEI).....	114
Seasonal space heating energy efficiency (%).....	77

Composite system: (Boiler + regulator)

Energy efficiency class combine.....	A+
Energy efficiency index (EEI) combine.....	118

Model identifier	Biocom 30
Valid from year	2020
Start mode	automatic
Condensing boiler.....	No
Solid fuel boiler with combined heat and power	No
Combi heater	Yes
Recommended hot water tank size.....	690 liter

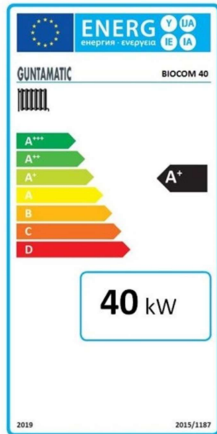
Biocom 30
2020
automatic
No
No
Yes
690 liter

Fuel according Norm	EN 17225-2 pellets	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
Wood Pellets EN plus A1 = commercial fuel		X		≥ 77	≤ 40	≤ 20	≤ 500	≤ 200
Wood Pellets EN plus A1 = with ideal fuel , version for condensing fireplace (low in potassium, without bark, hardly fines, maximum best values)		X		77	12	2	43	101

Properties when operating with the preferred fuel

Usable heat at nominal heat output	P_n	34,5	kW
Usable heat at 30% / 50% nominal heat output.....	P_p	10,4	kW
Fuel efficiency at nominal output.....	η_n	92,1	%
Fuel efficiency at 30% / 50% of nominal output.....	η_p	87,6	%
Auxiliary power consumption at nominal heat output	$e_{l,max}$	0,17	kW
Auxiliary power consumption at 30% / 50% of nominal output.....	$e_{l,min}$	0,08	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	34,5	kW
P_p	10,4	kW
η_n	92,1	%
η_p	87,6	%
$e_{l,max}$	0,17	kW
$e_{l,min}$	0,08	kW
---	---	kW
P_{SB}	0,01	kW
$\eta_{el,n}$	---	%



Single boiler:

Energy efficiency class	A+
Rated heat output (kW).....	40,0
Energy efficiency index (EEI).....	114
Seasonal space heating energy efficiency (%).....	78

Composite system: (Boiler + regulator)

Energy efficiency class combine.....	A+
Energy efficiency index (EEI) combine.....	118

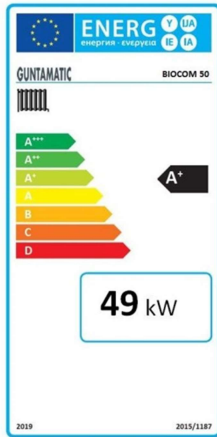
Model identifier	Biocom 40
Valid from year	2020
Start mode	automatic
Condensing boiler.....	No
Solid fuel boiler with combined heat and power	No
Combi heater	Yes
Recommended hot water tank size.....	800 liter

Fuel according Norm	EN 17225-2 pellets	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
Wood Pellets EN plus A1 = commercial fuel		X		≥ 77	≤ 40	≤ 20	≤ 500	≤ 200
Wood Pellets EN plus A1 = with ideal fuel , version for condensing fireplace (low in potassium, without bark, hardly fines, maximum best values)		X		78	15	2	50	97

Properties when operating with the preferred fuel

Usable heat at nominal heat output	P_n	40,0	kW
Usable heat at 30% / 50% nominal heat output.....	P_p	12,0	kW
Fuel efficiency at nominal output.....	η_n	92,8	%
Fuel efficiency at 30% / 50% of nominal output.....	η_p	89,5	%
Auxiliary power consumption at nominal heat output	$e_{l,max}$	0,17	kW
Auxiliary power consumption at 30% / 50% of nominal output.....	$e_{l,min}$	0,07	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).....	49,0
Energy efficiency index (EEI).....	115
Seasonal space heating energy efficiency (%).....	78

Composite system: (Boiler + regulator)

Energy efficiency class combine.....	A+
Energy efficiency index (EEI) combine.....	119

Model identifier	Biocom 50
Valid from year	2020
Start mode	automatic
Condensing boiler.....	No
Solid fuel boiler with combined heat and power	No
Combi heater	Yes
Recommended hot water tank size.....	980 liter

Fuel according Norm	EN 17225-2 pellets	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
Wood Pellets EN plus A1 = commercial fuel		X		≥ 77	≤ 40	≤ 20	≤ 500	≤ 200
Wood Pellets EN plus A1 = with ideal fuel , version for condensing fireplace (low in potassium, without bark, hardly fines, maximum best values)		X		78	18	3	55	93

Properties when operating with the preferred fuel

Usable heat at nominal heat output	P_n	49,0	kW
Usable heat at 30% / 50% nominal heat output.....	P_P	13,3	kW
Fuel efficiency at nominal output.....	η_n	93,8	%
Fuel efficiency at 30% / 50% of nominal output.....	η_P	91,0	%
Auxiliary power consumption at nominal heat output	$e_{l_{max}}$	0,18	kW
Auxiliary power consumption at 30% / 50% of nominal output.....	$e_{l_{min}}$	0,07	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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