



KWB Classicfire 1

Product specification sheet in accordance with EU Regulation
2015/1187 and 2015/1189

The required buffer volume for the boiler must be determined based on KWB planning documentation.
All boilers already have integrated temperature controls, so every product is a "package".

CF1	UNIT	15	20
Stoking mode		manual	
Share of partial load in relation to nominal load (30%/50%)	%	-	
Temperature control integrated in the boiler (yes/no)		Yes	
Temperature control class		VI	
Contribution of the temperature control to the energy efficiency index of the package	%	4	
Factor II (Weighting primary solid fuel boiler and additional heating device)		0	
Value for III (294/(11*Pr))		1,78	1,34
Value for IV (115/(11*Pr))		0,70	0,52
Condensing boiler		No	
Combination boiler for hot water and heating		No	
Solid Fuel cogeneration boiler		No	
Preferred fuel		Log Wood	
Energy efficiency class		A+	A+
Rated power	kW	15	20
Partial load	kW	-	-
Energy efficiency index - boiler		117	117
Seasonal space heating energy efficiency in active mode	%	79	79
Energy efficiency class - integration with heating circuit control		A+	A+
Energy efficiency index - integration with heating circuit control		121	121
Boiler efficiency at rated power (NCV* / GCV**)	%	92,6 / 83,3	92,3 / 83,0
Boiler efficiency at partial load (NCV* / GCV**)	%	-	-
Electrical power consumption at maximum output	kW	0,046	0,047
Electrical power consumption at partial output	kW	-	-
Electrical power consumption at standby	kW	0,0083	0,0083
Seasonal space heating emissions - PM	mg/m ³ (10% O ₂)	<30	<30
Seasonal space heating emissions - OGC	mg/m ³ (10% O ₂)	<16	<16
Seasonal space heating emissions - CO	mg/m ³ (10% O ₂)	<380	<380
Seasonal space heating emissions - Nox	mg/m ³ (10% O ₂)	<200	<200

Precautions: Assembly and installation have to be carried out only by qualified personnel. The instructions are to be followed.

Intellectual Property

The contents of these documents are protected by copyright and perpetually remain the intellectual property of KWB. Any use, copying, dissemination, publication, modification and/or other transfer to third parties require KWB's prior written consent. * Net Caloric Value ** Gross Caloric Value

Subject to changes as well as typographical and printing errors. © KWB GmbH



KWB Classicfire / KWB Combifire

Product specification sheet in accordance with EU Regulation
2015/1187 and 2015/1189

The required buffer volume for the boiler must be determined based on KWB planning documentation.
All boilers already have integrated temperature controls, so every product is a "package".

CF1.5 / CF2	UNIT	CF1.5 18	CF1.5 28	CF1.5 32	CF1.5 38	CF2 18	CF2 28	CF2 32	CF2 38
Stoking mode		manual							
Share of partial load in relation to nominal load (30%/50%)	%	-	50	50	50	-	50	50	50
Temperature control integrated in the boiler (yes/no)		Yes							
Temperature control class		VI							
Contribution of the temperature control to the energy efficiency index of the package	%	4							
Factor II (Weighting primary solid fuel boiler and additional heating device)		0							
Value for III (294/(11*Pr))		1,46	0,93	0,84	0,70	1,46	0,93	0,84	0,70
Value for IV (115/(11*Pr))		0,57	0,37	0,33	0,28	0,57	0,37	0,33	0,28
Condensing boiler		No							
Combination boiler for hot water and heating		No							
Solid Fuel cogeneration boiler		No							
Preferred fuel		Log Wood							
Energy efficiency class		A+	A+	A+	A+	A+	A+	A+	A+
Rated power	kW	18,3	28,6	31,9	38	18,3	28,6	31,9	38
Partial load	kW	-	14,3	14,2	14,2	-	14,3	14,2	14,2
Energy efficiency index - boiler		119	118	117	117	119	118	117	117
Seasonal space heating energy efficiency in active mode	%	81	80	80	80	81	80	80	80
Energy efficiency class - integration with heating circuit control		A+	A+	A+	A+	A+	A+	A+	A+
Energy efficiency index - integration with heating circuit control		123	122	121	121	123	122	121	121
Boiler efficiency at rated power (NCV* / GCV**)	%	93,4 / 84,9	92,4 / 83,5	92,4 / 83,6	91,8 / 83,7	93,4 / 84,9	92,4 / 83,5	92,4 / 83,6	91,8 / 83,7
Boiler efficiency at partial load (NCV* / GCV**)	%	-	93,0 / 84,1	93,0 / 83,7	93,0 / 83,7	-	93,0 / 84,1	93,0 / 83,7	93,0 / 83,7
Electrical power consumption at maximum output	kW	0,066	0,091	0,071	0,080	0,066	0,091	0,071	0,080
Electrical power consumption at partial output	kW	-	0,055	0,055	0,055	-	0,055	0,055	0,055
Electrical power consumption at standby	kW	0,0090	0,0090	0,0090	0,0090	0,0090	0,0090	0,0090	0,0090
Seasonal space heating emissions - PM	mg/m ³ (10 % O ₂)	<30	<30	<30	<30	<30	<30	<30	<30
Seasonal space heating emissions - OGC	mg/m ³ (10 % O ₂)	<16	<16	<16	<16	<16	<16	<16	<16
Seasonal space heating emissions - CO	mg/m ³ (10 % O ₂)	<380	<380	<380	<380	<380	<380	<380	<380
Seasonal space heating emissions - Nox	mg/m ³ (10 % O ₂)	<200	<200	<200	<200	<200	<200	<200	<200

Precautions: Assembly and installation have to be carried out only by qualified personnel. The instructions are to be followed.

Intellectual Property

The contents of these documents are protected by copyright and perpetually remain the intellectual property of KWB. Any use, copying, dissemination, publication, modification and/or other transfer to third parties require KWB's prior written consent. * Net Caloric Value ** Gross Caloric Value

Subject to changes as well as typographical and printing errors. © KWB GmbH



KWB Classicfire / KWB Combifire

Product specification sheet in accordance with EU Regulation
2015/1187 and 2015/1189

The required buffer volume for the boiler must be determined based on KWB planning documentation.
All boilers already have integrated temperature controls, so every product is a "package".

CF1.5 / CF2	UNIT	CF1.5 18	CF1.5 28	CF1.5 32	CF1.5 38	CF2 18	CF2 28	CF2 32	CF2 38
Other suitable fuel		Wood Pellets							
Energy efficiency class		A+	A+	A+	A+	A+	A+	A+	A+
Rated power	kW	22	30	30	35	22	30	30	35
Partial load	kW	6,6	9,0	9,0	10,5	6,6	9,0	9,0	10,5
Energy efficiency index - boiler		117	117	117	118	117	117	117	118
Seasonal space heating energy efficiency in active mode	%	79	80	80	80	79	80	80	80
Energy efficiency class - integration with heating circuit control		A+	A+	A+	A+	A+	A+	A+	A+
Energy efficiency index - integration with heating circuit control		121	121	121	122	121	121	121	122
Boiler efficiency at rated power (NCV* / GCV**)	%	93,0 / 85,5	92,0 / 84,6	92,0 / 84,6	91,4 / 84,1	93,0 / 85,5	92,0 / 84,6	92,0 / 84,6	91,4 / 84,1
Boiler efficiency at partial load (NCV* / GCV**)	%	90,9 / 83,9	91,0 / 84,0	91,0 / 84,0	91,0 / 84,1	90,9 / 83,9	91,0 / 84,0	91,0 / 84,0	91,0 / 84,1
Electrical power consumption at maximum output	kW	0,081	0,099	0,099	0,110	0,081	0,099	0,099	0,110
Electrical power consumption at partial output	kW	0,050	0,053	0,053	0,055	0,050	0,053	0,053	0,055
Electrical power consumption at standby	kW	0,0100	0,0095	0,0095	0,0100	0,0100	0,0095	0,0095	0,0100
Seasonal space heating emissions - PM	mg/m ³ (10 % O ₂)	<30	<30	<30	<30	<30	<30	<30	<30
Seasonal space heating emissions - OGC	mg/m ³ (10 % O ₂)	<16	<16	<16	<16	<16	<16	<16	<16
Seasonal space heating emissions - CO	mg/m ³ (10 % O ₂)	<380	<380	<380	<380	<380	<380	<380	<380
Seasonal space heating emissions - Nox	mg/m ³ (10 % O ₂)	<200	<200	<200	<200	<200	<200	<200	<200

Precautions: Assembly and installation have to be carried out only by qualified personnel. The instructions are to be followed.

Intellectual Property

The contents of these documents are protected by copyright and perpetually remain the intellectual property of KWB. Any use, copying, dissemination, publication, modification and/or other transfer to third parties require KWB's prior written consent. * Net Caloric Value ** Gross Caloric Value

Subject to changes as well as typographical and printing errors. © KWB GmbH



KWB Easyfire 1 / KWB Easyfire 1 Plus

Product specification sheet in accordance with EU Regulation
2015/1187 and 2015/1189 Regulation

The required buffer volume for the boiler must be determined based on KWB planning documentation.
All boilers already have integrated temperature controls, so every product is a "package".

USP V/GS	UNIT	10	15	20
Stoking mode		automatic		
Share of partial load in relation to nominal load (30%/50%)	%	30		
Temperature control integrated in the boiler (yes/no)		Yes		
Temperature control class		VI		
Contribution of the temperature control to the energy efficiency index of the package	%	4		
Factor II (Weighting primary solid fuel boiler and additional heating device)		0		
Value for III (294/(11*Pr))		2,57	1,78	1,34
Value for IV (115/(11*Pr))		1,01	0,70	0,52
Condensing boiler		No		
Combination boiler for hot water and heating		No		
Solid Fuel cogeneration boiler		No		
Preferred fuel		Wood Pellets		
Energy efficiency class		A+	A+	A+
Rated power	kW	10,4	15	20
Partial load	kW	3,1	4,5	5,6
Energy efficiency index - boiler		116	116	116
Seasonal space heating energy efficiency in active mode	%	78	79	79
Energy efficiency class - integration with heating circuit control		A+	A+	A+
Energy efficiency index - integration with heating circuit control		120	120	120
Boiler efficiency at rated power (NCV* / GCV**)	%	91,0 / 84,1	91,7 / 84,7	92,5 / 85,5
Boiler efficiency at partial load (NCV* / GCV**)	%	90,7 / 83,8	90,4 / 83,5	90,1 / 83,3
Electrical power consumption at maximum output	kW	0,060	0,073	0,087
Electrical power consumption at partial output	kW	0,036	0,038	0,041
Electrical power consumption at standby	kW	0,0077	0,0077	0,0077
Seasonal space heating emissions - PM	mg/m ³ (10% O ₂)	<30	<30	<30
Seasonal space heating emissions - OGC	mg/m ³ (10% O ₂)	<16	<16	<16
Seasonal space heating emissions - CO	mg/m ³ (10% O ₂)	<380	<380	<380
Seasonal space heating emissions - Nox	mg/m ³ (10% O ₂)	<200	<200	<200

Precautions: Assembly and installation have to be carried out only by qualified personnel. The instructions are to be followed.

Intellectual Property

The contents of these documents are protected by copyright and perpetually remain the intellectual property of KWB. Any use, copying, dissemination, publication, modification and/or other transfer to third parties require KWB's prior written consent. * Net Caloric Value ** Gross Caloric Value

Subject to changes as well as typographical and printing errors. © KWB GmbH



KWB Easyfire 2

Product specification sheet in accordance with EU Regulation 2015/1187 and 2015/1189

The required buffer volume for the boiler must be determined based on KWB planning documentation. All boilers already have integrated temperature controls, so every product is a "package".

EF2 S / EF2 GS / EF2 V	UNIT	8	12	15	22	25	30	35	38
Stoking mode		automatic							
Share of partial load in relation to nominal load (30%/50%)	%	30							
Temperature control integrated in the boiler (yes/no)		Yes							
Temperature control class		VI							
Contribution of the temperature control to the energy efficiency index of the package	%	4							
Factor II (Weighting primary solid fuel boiler and additional heating device)		0							
Value for III (294/(11*Pr))		3,34	2,23	1,78	1,21	1,07	0,89	0,77	0,70
Value for IV (115/(11*Pr))		1,31	0,87	0,70	0,48	0,42	0,35	0,30	0,28
Condensing boiler		No							
Combination boiler for hot water and heating		No							
Solid Fuel cogeneration boiler		No							
Preferred fuel		Wood Pellets							
Energy efficiency class		A+	A+	A+	A+	A+	A+	A+	A+
Rated power	kW	8	12	15	22	25	30	34,9	38
Partial load	kW	2,4	3,6	4,5	6,6	7,5	9,0	10,5	11,4
Energy efficiency index - boiler		115	116	118	121	121	121	121	123
Seasonal space heating energy efficiency in active mode	%	77	78	80	82	82	82	82	83
Energy efficiency class - integration with heating circuit control		A+	A+	A+	A++	A++	A++	A++	A++
Energy efficiency index - integration with heating circuit control		119	120	122	125	125	125	125	127
Boiler efficiency at rated power (NCV* / GCV**)	%	92,4 / 85,2	93,6 / 86,1	93,9 / 86,4	94,6 / 87,0	94,8 / 87,1	95,2 / 87,3	95,6 / 87,5	95,3 / 88,0
Boiler efficiency at partial load (NCV* / GCV**)	%	91,4 / 84,2	90,7 / 83,4	91,6 / 84,2	93,8 / 86,2	93,9 / 86,2	94,1 / 86,3	94,3 / 86,3	94,9 / 87,6
Electrical power consumption at maximum output	kW	0,060	0,059	0,065	0,078	0,085	0,097	0,109	0,115
Electrical power consumption at partial output	kW	0,046	0,041	0,043	0,046	0,049	0,055	0,060	0,062
Electrical power consumption at standby	kW	0,0095	0,0030	0,0030	0,0030	0,0030	0,0030	0,0030	0,0099
Seasonal space heating emissions - PM	mg/m ³ (10% O ₂)	<30	<30	<30	<30	<30	<30	<30	<30
Seasonal space heating emissions - OGC	mg/m ³ (10% O ₂)	<16	<16	<16	<16	<16	<16	<16	<16
Seasonal space heating emissions - CO	mg/m ³ (10% O ₂)	<380	<380	<380	<380	<380	<380	<380	<380
Seasonal space heating emissions - Nox	mg/m ³ (10% O ₂)	<200	<200	<200	<200	<200	<200	<200	<200

Precautions: Assembly and installation have to be carried out only by qualified personnel. The instructions are to be followed.

Intellectual Property

The contents of these documents are protected by copyright and perpetually remain the intellectual property of KWB. Any use, copying, dissemination, publication, modification and/or other transfer to third parties require KWB's prior written consent. * Net Caloric Value ** Gross Caloric Value

Subject to changes as well as typographical and printing errors. © KWB GmbH



KWB Easyfire 2 CC4

Product specification sheet in accordance with EU Regulation
2015/1187 and 2015/1189

The required buffer volume for the boiler must be determined based on KWB planning documentation.
All boilers already have integrated temperature controls, so every product is a "package".

EF2 CC4 S / EF2 CC4 GS / EF2 CC4 V	UNIT	10	12	15	22	25	30	35	40
Stoking mode		automatic							
Share of partial load in relation to nominal load (30%/50%)	%	30							
Temperature control integrated in the boiler (yes/no)		Yes							
Temperature control class		VI							
Contribution of the temperature control to the energy efficiency index of the package	%	4							
Factor II (Weighting primary solid fuel boiler and additional heating device)		0							
Value for III (294/(11*Pr))		2,67	2,23	1,78	1,21	1,07	0,89	0,77	0,67
Value for IV (115/(11*Pr))		1,05	0,87	0,70	0,48	0,42	0,35	0,30	0,26
Condensing boiler		Yes							
Combination boiler for hot water and heating		No							
Solid Fuel cogeneration boiler		No							
Preferred fuel		Wood Pellets							
Energy efficiency class		A+	A+	A++	A++	A++	A++	A++	A++
Rated power	kW	10	12	15	22	25	30	34,9	40
Partial load	kW	3,0	3,6	4,5	6,6	7,5	9,0	10,5	12,0
Energy efficiency index - boiler		123	124	125	127	128	130	131	132
Seasonal space heating energy efficiency in active mode	%	83	84	85	86	87	88	89	89
Energy efficiency class - integration with heating circuit control		A++	A++	A++	A++	A++	A++	A++	A++
Energy efficiency index - integration with heating circuit control		127	128	129	131	132	134	135	136
Boiler efficiency at rated power (NCV* / GCV**)	%	101,6 / 93,2	101,8 / 93,5	102,2 / 93,9	102,8 / 94,5	102,7 / 94,5	102,6 / 94,4	102,5 / 94,4	103,1 / 94,8
Boiler efficiency at partial load (NCV* / GCV**)	%	96,9 / 88,9	97,2 / 89,2	97,8 / 89,8	98,6 / 90,6	99,2 / 91,2	100,1 / 92,1	101,0 / 93,0	101,8 / 93,5
Electrical power consumption at maximum output	kW	0,066	0,072	0,080	0,094	0,098	0,104	0,110	0,114
Electrical power consumption at partial output	kW	0,042	0,043	0,044	0,045	0,047	0,051	0,054	0,057
Electrical power consumption at standby	kW	0,0107	0,0107	0,0107	0,0107	0,0107	0,0107	0,0107	0,0107
Seasonal space heating emissions - PM	mg/m ³ (10% O ₂)	<30	<30	<30	<30	<30	<30	<30	<30
Seasonal space heating emissions - OGC	mg/m ³ (10% O ₂)	<16	<16	<16	<16	<16	<16	<16	<16
Seasonal space heating emissions - CO	mg/m ³ (10% O ₂)	<380	<380	<380	<380	<380	<380	<380	<380
Seasonal space heating emissions - Nox	mg/m ³ (10% O ₂)	<200	<200	<200	<200	<200	<200	<200	<200

Precautions: Assembly and installation have to be carried out only by qualified personnel. The instructions are to be followed.

Intellectual Property

The contents of these documents are protected by copyright and perpetually remain the intellectual property of KWB. Any use, copying, dissemination, publication, modification and/or other transfer to third parties require KWB's prior written consent. * Net Caloric Value ** Gross Caloric Value

Subject to changes as well as typographical and printing errors. © KWB GmbH



KWB Pelletfire^{Plus} (E)R

Product specification sheet in accordance with EU Regulation 2015/1187 and 2015/1189

The required buffer volume for the boiler must be determined based on KWB planning documentation. All boilers already have integrated temperature controls, so every product is a "package".

MF2 R S/GS MF2 ER S/GS	UNIT	45	50	55	65	70	75
Stoking mode		automatic					
Share of partial load in relation to nominal load (30%/50%)	%	30					
Temperature control integrated in the boiler (yes/no)		Yes					
Temperature control class		VI					
Contribution of the temperature control to the energy efficiency index of the package	%	4					
Factor II (Weighting primary solid fuel boiler and additional heating device)		0					-
Value for III (294/(11*Pr))		0,59	0,54	0,49	0,41	0,38	-
Value for IV (115/(11*Pr))		0,23	0,21	0,19	0,16	0,15	-
Condensing boiler		No					
Combination boiler for hot water and heating		No					
Solid Fuel cogeneration boiler		No					
Preferred fuel		Wood Pellets					
Energy efficiency class		A+	A+	A+	A+	A+	-
Rated power	kW	45	49,5	55	65	69,5	75
Partial load	kW	13,5	14,9	16,5	19,5	20,9	22,5
Energy efficiency index - boiler		122	122	122	123	123	-
Seasonal space heating energy efficiency in active mode	%	83	83	83	83	83	84
Energy efficiency class - integration with heating circuit control		A++	A++	A++	A++	A++	-
Energy efficiency index - integration with heating circuit control		126	126	126	127	127	-
Boiler efficiency at rated power (NCV* / GCV**)	%	96,4 / 88,4	96,3 / 88,3	96,2 / 88,2	96,1 / 88,0	96,0 / 87,9	95,9 / 87,8
Boiler efficiency at partial load (NCV* / GCV**)	%	94,9 / 86,9	94,9 / 86,9	95,0 / 87,0	95,2 / 87,1	95,2 / 87,2	95,3 / 87,3
Electrical power consumption at maximum output	kW	0,115	0,119	0,123	0,131	0,135	0,139
Electrical power consumption at partial output	kW	0,087	0,087	0,088	0,088	0,088	0,089
Electrical power consumption at standby	kW	0,0100	0,0100	0,0100	0,0100	0,0100	0,0100
Electrical power consumption at maximum output - with e-filter	kW	0,131	0,136	0,143	0,154	0,160	0,166
Electrical power consumption at partial output - with e-filter	kW	0,096	0,097	0,098	0,099	0,100	0,101
Electrical power consumption at standby - with e-filter	kW	0,0100	0,0100	0,0100	0,0100	0,0100	0,0100
Seasonal space heating emissions - PM	mg/m ³ (10% O ₂)	<30	<30	<30	<30	<30	<30
Seasonal space heating emissions - OGC	mg/m ³ (10% O ₂)	<16	<16	<16	<16	<16	<16
Seasonal space heating emissions - CO	mg/m ³ (10% O ₂)	<380	<380	<380	<380	<380	<380
Seasonal space heating emissions - Nox	mg/m ³ (10% O ₂)	<200	<200	<200	<200	<200	<200

Precautions: Assembly and installation have to be carried out only by qualified personnel. The instructions are to be followed.

Intellectual Property

The contents of these documents are protected by copyright and perpetually remain the intellectual property of KWB. Any use, copying, dissemination, publication, modification and/or other transfer to third parties require KWB's prior written consent. * Net Caloric Value ** Gross Caloric Value

Subject to changes as well as typographical and printing errors. © KWB GmbH



KWB Pelletfire^{Plus} (E)R

Product specification sheet in accordance with EU Regulation 2015/1187 and 2015/1189

The required buffer volume for the boiler must be determined based on KWB planning documentation. All boilers already have integrated temperature controls, so every product is a "package".

MF2 R S/GS MF2 ER S/GS	UNIT	95	100	108	115	135
Stoking mode		automatic				
Share of partial load in relation to nominal load (30%/50%)	%	30				
Temperature control integrated in the boiler (yes/no)		Yes				
Temperature control class		VI				
Contribution of the temperature control to the energy efficiency index of the package	%	4				
Factor II (Weighting primary solid fuel boiler and additional heating device)		-				
Value for III (294/(11*Pr))		-				
Value for IV (115/(11*Pr))		-				
Condensing boiler		No				
Combination boiler for hot water and heating		No				
Solid Fuel cogeneration boiler		No				
Preferred fuel		Wood Pellets				
Energy efficiency class		-	-	-	-	-
Rated power	kW	95	100	108	115	135
Partial load	kW	28,5	30,0	32,4	34,5	40,5
Energy efficiency index - boiler		-	-	-	-	-
Seasonal space heating energy efficiency in active mode	%	84	84	84	84	84
Energy efficiency class - integration with heating circuit control		-	-	-	-	-
Energy efficiency index - integration with heating circuit control		-	-	-	-	-
Boiler efficiency at rated power (NCV* / GCV**)	%	95,8 / 87,7	95,8 / 87,7	95,7 / 87,7	95,7 / 87,7	95,7 / 87,6
Boiler efficiency at partial load (NCV* / GCV**)	%	95,6 / 87,6	95,7 / 87,6	95,8 / 87,7	95,9 / 87,8	96,2 / 88,1
Electrical power consumption at maximum output	kW	0,161	0,167	0,176	0,184	0,208
Electrical power consumption at partial output	kW	0,093	0,094	0,096	0,098	0,103
Electrical power consumption at standby	kW	0,0100	0,0100	0,0100	0,0100	0,0100
Electrical power consumption at maximum output - with e-filter	kW	0,192	0,199	0,210	0,220	0,247
Electrical power consumption at partial output - with e-filter	kW	0,1120	0,115	0,121	0,126	0,139
Electrical power consumption at standby - with e-filter	kW	0,0100	0,0100	0,0100	0,0100	0,0100
Seasonal space heating emissions - PM	mg/m ³ (10 % O ₂)	<30	<30	<30	<30	<30
Seasonal space heating emissions - OGC	mg/m ³ (10 % O ₂)	<16	<16	<16	<16	<16
Seasonal space heating emissions - CO	mg/m ³ (10 % O ₂)	<380	<380	<380	<380	<380
Seasonal space heating emissions - Nox	mg/m ³ (10 % O ₂)	<200	<200	<200	<200	<200

Precautions: Assembly and installation have to be carried out only by qualified personnel. The instructions are to be followed.

Intellectual Property

The contents of these documents are protected by copyright and perpetually remain the intellectual property of KWB. Any use, copying, dissemination, publication, modification and/or other transfer to third parties require KWB's prior written consent. * Net Caloric Value ** Gross Caloric Value

Subject to changes as well as typographical and printing errors. © KWB GmbH



KWB Pelletfire^{Plus}

Product specification sheet in accordance with EU Regulation 2015/1187 and 2015/1189

The required buffer volume for the boiler must be determined based on KWB planning documentation. All boilers already have integrated temperature controls, so every product is a "package".

MF2 S MF2 GS	UNIT	45	50	55	65	70	75
Stoking mode		automatic					
Share of partial load in relation to nominal load (30%/50%)	%	30					
Temperature control integrated in the boiler (yes/no)		Yes					
Temperature control class		VI					
Contribution of the temperature control to the energy efficiency index of the package	%	4					
Factor II (Weighting primary solid fuel boiler and additional heating device)		0					
Value for III (294/(11*Pr))		0,59	0,54	0,49	0,41	0,38	-
Value for IV (115/(11*Pr))		0,23	0,21	0,19	0,16	0,15	-
Condensing boiler		No					
Combination boiler for hot water and heating		No					
Solid Fuel cogeneration boiler		No					
Preferred fuel		Wood Pellets					
Energy efficiency class		A+	A+	A+	A+	A+	-
Rated power	kW	45	49,5	55	65	69,5	75
Partial load	kW	13,5	14,9	16,5	19,5	20,9	22,5
Energy efficiency index - boiler		122	122	122	123	123	-
Seasonal space heating energy efficiency in active mode	%	83	83	83	83	83	83
Energy efficiency class - integration with heating circuit control		A++	A++	A++	A++	A++	-
Energy efficiency index - integration with heating circuit control		126	126	126	127	127	-
Boiler efficiency at rated power (NCV* / GCV**)	%	95,0 / 88,2	94,8 / 88,0	94,7 / 87,9	94,4 / 87,6	94,3 / 87,5	94,1 / 87,3
Boiler efficiency at partial load (NCV* / GCV**)	%	93,7 / 86,9	93,7 / 86,9	93,9 / 87,1	94,2 / 87,3	94,3 / 87,4	94,5 / 87,6
Electrical power consumption at maximum output	kW	0,122	0,125	0,130	0,137	0,141	0,145
Electrical power consumption at partial output	kW	0,074	0,079	0,085	0,096	0,101	0,107
Electrical power consumption at standby	kW	0,0130	0,0130	0,0130	0,0130	0,0130	0,0130
Seasonal space heating emissions - PM	mg/m ³ (10 % O ₂)	<30	<30	<30	<30	<30	<30
Seasonal space heating emissions - OGC	mg/m ³ (10 % O ₂)	<16	<16	<16	<16	<16	<16
Seasonal space heating emissions - CO	mg/m ³ (10 % O ₂)	<380	<380	<380	<380	<380	<380
Seasonal space heating emissions - Nox	mg/m ³ (10 % O ₂)	<200	<200	<200	<200	<200	<200

Precautions: Assembly and installation have to be carried out only by qualified personnel. The instructions are to be followed.

Intellectual Property

The contents of these documents are protected by copyright and perpetually remain the intellectual property of KWB. Any use, copying, dissemination, publication, modification and/or other transfer to third parties require KWB's prior written consent. * Net Caloric Value ** Gross Caloric Value

Subject to changes as well as typographical and printing errors. © KWB GmbH



KWB Multifire (E) D/ZI

Product specification sheet in accordance with EU Regulation
2015/1187 and 2015/1189

The required buffer volume for the boiler must be determined based on KWB planning documentation.
All boilers already have integrated temperature controls, so every product is a "package".

MF2 E D/ZI	UNIT	20	30	30	40	45	50	60
Stoking mode		automatic						
Share of partial load in relation to nominal load (30%/50%)	%	30						
Temperature control integrated in the boiler (yes/no)		Yes						
Temperature control class		VI						
Contribution of the temperature control to the energy efficiency index of the package	%	4						
Factor II (Weighting primary solid fuel boiler and additional heating device)		0						
Value for III (294/(11*Pr))		1,34	0,89	0,82	0,67	0,59	0,54	0,45
Value for IV (115/(11*Pr))		0,52	0,35	0,32	0,26	0,23	0,21	0,17
Condensing boiler		No						
Combination boiler for hot water and heating		No						
Solid Fuel cogeneration boiler		No						
Preferred fuel		Wood Chips						
Energy efficiency class		A+	A+	A+	A+	A+	A+	A+
Rated power	kW	20	30	32,5	40	45	49,5	60
Partial load	kW	6,0	9,0	9,8	12,0	13,5	14,9	18,0
Energy efficiency index - boiler		116	119	119	121	121	121	121
Seasonal space heating energy efficiency in active mode	%	78	80	81	82	82	82	82
Energy efficiency class - integration with heating circuit control		A+	A+	A+	A++	A++	A++	A++
Energy efficiency index - integration with heating circuit control		120	123	123	125	125	125	125
Boiler efficiency at rated power (NCV* / GCV**)	%	94,8 / 85,6	95,1 / 86,3	95,2 / 86,5	95,4 / 87,0	95,3 / 86,8	95,3 / 86,7	95,2 / 86,4
Boiler efficiency at partial load (NCV* / GCV**)	%	92,4 / 83,4	93,5 / 84,9	93,8 / 85,2	94,6 / 86,3	94,6 / 86,2	94,5 / 86,0	94,5 / 85,7
Electrical power consumption at maximum output	kW	0,097	0,115	0,120	0,133	0,137	0,141	0,151
Electrical power consumption at partial output	kW	0,072	0,076	0,076	0,079	0,081	0,083	0,088
Electrical power consumption at standby	kW	0,0100	0,0090	0,0088	0,0080	0,0083	0,0085	0,0090
Electrical power consumption at maximum output - with e-filter	kW	0,120	0,136	0,140	0,152	0,157	0,161	0,171
Electrical power consumption at partial output - with e-filter	kW	0,086	0,091	0,092	0,096	0,098	0,100	0,104
Electrical power consumption at standby - with e-filter	kW	0,0100	0,0100	0,0100	0,0100	0,0100	0,0100	0,0100
Seasonal space heating emissions - PM	mg/m ³ (10 % O ₂)	<30	<30	<30	<30	<30	<30	<30
Raumheizungs-Jahresemissionen - OGC	mg/m ³ (10 % O ₂)	<16	<16	<16	<16	<16	<16	<16
Seasonal space heating emissions - CO	mg/m ³ (10 % O ₂)	<380	<380	<380	<380	<380	<380	<380
Raumheizungs-Jahresemissionen - NOX	mg/m ³ (10 % O ₂)	<200	<200	<200	<200	<200	<200	<200

Precautions: Assembly and installation have to be carried out only by qualified personnel. The instructions are to be followed.

Intellectual Property

The contents of these documents are protected by copyright and perpetually remain the intellectual property of KWB. Any use, copying, dissemination, publication, modification and/or other transfer to third parties require KWB's prior written consent. * Net Caloric Value ** Gross Caloric Value

Subject to changes as well as typographical and printing errors. © KWB GmbH



KWB Multifire (E) D/ZI

Product specification sheet in accordance with EU Regulation 2015/1187 and 2015/1189

The required buffer volume for the boiler must be determined based on KWB planning documentation. All boilers already have integrated temperature controls, so every product is a "package".

MF2 E D/ZI	UNIT	65	70	80	100	108	120
Stoking mode		automatic					
Share of partial load in relation to nominal load (30%/50%)	%	30					
Temperature control integrated in the boiler (yes/no)		Yes					
Temperature control class		VI					
Contribution of the temperature control to the energy efficiency index of the package	%	4					
Factor II (Weighting primary solid fuel boiler and additional heating device)		0		-			
Value for III (294/(11*Pr))		0,41	0,38	-			
Value for IV (115/(11*Pr))		0,16	0,15	-			
Condensing boiler		No					
Combination boiler for hot water and heating		No					
Solid Fuel cogeneration boiler		No					
Preferred fuel		Wood Chips					
Energy efficiency class		A+	A+	-	-	-	-
Rated power	kW	65	69,5	80	100	108	120
Partial load	kW	19,5	20,9	24,0	30,0	32,4	36,0
Energy efficiency index - boiler		120	120	-	-	-	-
Seasonal space heating energy efficiency in active mode	%	82	81	81	82	82	82
Energy efficiency class - integration with heating circuit control		A+	A+	-	-	-	-
Energy efficiency index - integration with heating circuit control		124	124	-	-	-	-
Boiler efficiency at rated power (NCV* / GCV**)	%	95,1 / 86,2	95,0 / 86,0	94,9 / 85,7	95,3 / 86,1	95,5 / 86,2	95,7 / 86,4
Boiler efficiency at partial load (NCV* / GCV**)	%	94,4 / 85,6	94,4 / 85,4	94,3 / 85,1	95,0 / 85,7	95,2 / 85,9	95,6 / 86,3
Electrical power consumption at maximum output	kW	0,155	0,159	0,168	0,210	0,227	0,252
Electrical power consumption at partial output	kW	0,090	0,092	0,096	0,118	0,127	0,140
Electrical power consumption at standby	kW	0,0093	0,0095	0,0100	0,0100	0,0100	0,0100
Electrical power consumption at maximum output - with e-filter	kW	0,176	0,180	0,190	0,240	0,260	0,290
Electrical power consumption at partial output - with e-filter	kW	0,105	0,107	0,111	0,138	0,149	0,165
Electrical power consumption at standby - with e-filter	kW	0,0100	0,0100	0,0100	0,0100	0,0100	0,0100
Seasonal space heating emissions - PM	mg/m ³ (10% O ₂)	<30	<30	<30	<30	<30	<30
Seasonal space heating emissions - OGC	mg/m ³ (10% O ₂)	<16	<16	<16	<16	<16	<16
Seasonal space heating emissions - CO	mg/m ³ (10% O ₂)	<380	<380	<380	<380	<380	<380
Seasonal space heating emissions - Nox	mg/m ³ (10% O ₂)	<200	<200	<200	<200	<200	<200

Precautions: Assembly and installation have to be carried out only by qualified personnel. The instructions are to be followed.

Intellectual Property

The contents of these documents are protected by copyright and perpetually remain the intellectual property of KWB. Any use, copying, dissemination, publication, modification and/or other transfer to third parties require KWB's prior written consent. * Net Caloric Value ** Gross Caloric Value

Subject to changes as well as typographical and printing errors. © KWB GmbH



KWB Multifire D/ZI - Pellet operation

Product specification sheet in accordance with EU Regulation
2015/1187 and 2015/1189/2015/1187

The required buffer volume for the boiler must be determined based on KWB planning documentation.
All boilers already have integrated temperature controls, so every product is a "package".

MF2 D/ZI	UNIT	20	30	30	40	45	50	60
Stoking mode		automatic						
Share of partial load in relation to nominal load (30%/50%)	%	30						
Temperature control integrated in the boiler (yes/no)		Yes						
Temperature control class		VI						
Contribution of the temperature control to the energy efficiency index of the package	%	4						
Factor II (Weighting primary solid fuel boiler and additional heating device)		0						
Value for III (294/(11*Pr))		1,34	0,89	0,82	0,67	0,59	0,54	0,45
Value for IV (115/(11*Pr))		0,52	0,35	0,32	0,26	0,23	0,21	0,17
Condensing boiler		No						
Combination boiler for hot water and heating		No						
Solid Fuel cogeneration boiler		No						
Preferred fuel		Wood Pellets						
Energy efficiency class		A+	A+	A+	A+	A+	A+	A+
Rated power	kW	20	30	32,5	40	45	49,5	60
Partial load	kW	6,0	9,0	9,8	12,0	13,5	14,9	18,0
Energy efficiency index - boiler		117	119	120	122	122	122	122
Seasonal space heating energy efficiency in active mode	%	79	81	81	82	83	83	83
Energy efficiency class - integration with heating circuit control		A+	A+	A+	A++	A++	A++	A++
Energy efficiency index - integration with heating circuit control		121	123	124	126	126	126	126
Boiler efficiency at rated power (NCV* / GCV**)	%	93,6 / 86,9	94,4 / 87,6	94,5 / 87,7	95,1 / 88,3	95,0 / 88,2	94,8 / 88,0	94,6 / 87,8
Boiler efficiency at partial load (NCV* / GCV**)	%	90,4 / 83,9	91,9 / 85,3	92,3 / 85,6	93,4 / 86,7	93,6 / 86,8	93,7 / 86,9	94,0 / 87,2
Electrical power consumption at maximum output	kW	0,098	0,108	0,111	0,118	0,122	0,125	0,134
Electrical power consumption at partial output	kW	0,056	0,062	0,064	0,068	0,074	0,079	0,091
Electrical power consumption at standby	kW	0,0130	0,0130	0,0130	0,0130	0,0130	0,0130	0,0130
Seasonal space heating emissions - PM	mg/m ³ (10% O ₂)	<30	<30	<30	<30	<30	<30	<30
Seasonal space heating emissions - OGC	mg/m ³ (10% O ₂)	<16	<16	<16	<16	<16	<16	<16
Seasonal space heating emissions - CO	mg/m ³ (10% O ₂)	<380	<380	<380	<380	<380	<380	<380
Seasonal space heating emissions - Nox	mg/m ³ (10% O ₂)	<200	<200	<200	<200	<200	<200	<200

Precautions: Assembly and installation have to be carried out only by qualified personnel. The instructions are to be followed.

Intellectual Property

The contents of these documents are protected by copyright and perpetually remain the intellectual property of KWB. Any use, copying, dissemination, publication, modification and/or other transfer to third parties require KWB's prior written consent. * Net Caloric Value ** Gross Caloric Value

Subject to changes as well as typographical and printing errors. © KWB GmbH



KWB Multifire D/ZI -

Pellet operation

Product specification sheet in accordance with EU Regulation 2015/1187 and 2015/1189/2015/1187

The required buffer volume for the boiler must be determined based on KWB planning documentation. All boilers already have integrated temperature controls, so every product is a "package".

MF2 D/ZI	UNIT	65	70	80	100	108	120
Stoking mode		automatic					
Share of partial load in relation to nominal load (30%/50%)	%	30					
Temperature control integrated in the boiler (yes/no)		Yes					
Temperature control class		VI					
Contribution of the temperature control to the energy efficiency index of the package	%	4					
Factor II (Weighting primary solid fuel boiler and additional heating device)		0		-			
Value for III (294/(11*Pr))		0,41	0,38	-			
Value for IV (115/(11*Pr))		0,16	0,15	-			
Condensing boiler		No					
Combination boiler for hot water and heating		No					
Solid Fuel cogeneration boiler		No					
Preferred fuel		Wood Pellets					
Energy efficiency class		A+	A+	-	-	-	-
Rated power	kW	65	69,5	80	100	108	120
Partial load	kW	19,5	20,9	24,0	30,0	32,4	36,0
Energy efficiency index - boiler		123	123	-	-	-	-
Seasonal space heating energy efficiency in active mode		83	83	84	84	84	83
Energy efficiency class - integration with heating circuit control		A++	A++	-	-	-	-
Energy efficiency index - integration with heating circuit control		127	127	-	-	-	-
Boiler efficiency at rated power (NCV* / GCV**)	%	94,4 / 87,6	94,3 / 87,5	94,0 / 87,2	94,0 / 87,2	94,1 / 87,3	94,1 / 87,3
Boiler efficiency at partial load (NCV* / GCV**)	%	94,2 / 87,3	94,3 / 87,4	94,6 / 87,7	94,4 / 87,5	94,3 / 87,4	94,2 / 87,3
Electrical power consumption at maximum output	kW	0,137	0,141	0,149	0,184	0,198	0,219
Electrical power consumption at partial output	kW	0,096	0,101	0,113	0,120	0,122	0,126
Electrical power consumption at standby	kW	0,0130	0,0130	0,0130	0,0130	0,0130	0,0130
Seasonal space heating emissions - PM	mg/m ³ (10% O ₂)	<30	<30	<30	<30	<30	<30
Seasonal space heating emissions - OGC	mg/m ³ (10% O ₂)	<16	<16	<16	<16	<16	<16
Seasonal space heating emissions - CO	mg/m ³ (10% O ₂)	<380	<380	<380	<380	<380	<380
Seasonal space heating emissions - Nox	mg/m ³ (10% O ₂)	<200	<200	<200	<200	<200	<200

Precautions: Assembly and installation have to be carried out only by qualified personnel. The instructions are to be followed.

Intellectual Property

The contents of these documents are protected by copyright and perpetually remain the intellectual property of KWB. Any use, copying, dissemination, publication, modification and/or other transfer to third parties require KWB's prior written consent. * Net Caloric Value ** Gross Caloric Value

Subject to changes as well as typographical and printing errors. © KWB GmbH



KWB Multifire (E)R D/ZI

Product specification sheet in accordance with EU Regulation 2015/1187 and 2015/1189

The required buffer volume for the boiler must be determined based on KWB planning documentation. All boilers already have integrated temperature controls, so every product is a "package".

MF2 R D/ZI MF2 ER D/ZI	UNIT	40	45	50	60	65
Stoking mode		automatic				
Share of partial load in relation to nominal load (30%/50%)	%	30				
Temperature control integrated in the boiler (yes/no)		Yes				
Temperature control class		VI				
Contribution of the temperature control to the energy efficiency index of the package	%	4				
Factor II (Weighting primary solid fuel boiler and additional heating device)		0				
Value for III (294/(11*Pr))		0,67	0,59	0,54	0,45	0,41
Value for IV (115/(11*Pr))		0,26	0,23	0,21	0,17	0,16
Condensing boiler		No				
Combination boiler for hot water and heating		No				
Solid Fuel cogeneration boiler		No				
Preferred fuel		Wood Pellets				
Energy efficiency class		A+	A+	A+	A+	A+
Rated power	kW	40	45	49,5	60	65
Partial load	kW	12,0	13,5	14,9	18,0	19,5
Energy efficiency index - boiler		122	122	122	122	123
Seasonal space heating energy efficiency in active mode	%	83	83	83	83	83
Energy efficiency class - integration with heating circuit control		A++	A++	A++	A++	A++
Energy efficiency index - integration with heating circuit control		126	126	126	126	127
Boiler efficiency at rated power (NCV* / GCV**)	%	96,6 / 88,5	96,5 / 88,4	96,4 / 88,3	96,2 / 88,1	96,1 / 88,0
Boiler efficiency at partial load (NCV* / GCV**)	%	94,8 / 86,8	94,9 / 86,9	94,9 / 86,9	95,1 / 87,1	95,2 / 87,1
Electrical power consumption at maximum output	kW	0,111	0,115	0,119	0,127	0,131
Electrical power consumption at partial output	kW	0,087	0,087	0,087	0,088	0,088
Electrical power consumption at standby	kW	0,010	0,010	0,010	0,010	0,010
Electrical power consumption at maximum output - with e-filter	kW	0,125	0,131	0,136	0,149	0,154
Electrical power consumption at partial output - with e-filter	kW	0,095	0,096	0,097	0,099	0,099
Electrical power consumption at standby - with e-filter	kW	0,010	0,010	0,010	0,010	0,010
Seasonal space heating emissions - PM	mg/m ³ (10% O ₂)	<30	<30	<30	<30	<30
Seasonal space heating emissions - OGC	mg/m ³ (10% O ₂)	<16	<16	<16	<16	<16
Seasonal space heating emissions - CO	mg/m ³ (10% O ₂)	<380	<380	<380	<380	<380
Seasonal space heating emissions - Nox	mg/m ³ (10% O ₂)	<200	<200	<200	<200	<200

Precautions: Assembly and installation have to be carried out only by qualified personnel. The instructions are to be followed.

Intellectual Property

The contents of these documents are protected by copyright and perpetually remain the intellectual property of KWB. Any use, copying, dissemination, publication, modification and/or other transfer to third parties require KWB's prior written consent. * Net Caloric Value ** Gross Caloric Value

Subject to changes as well as typographical and printing errors. © KWB GmbH



KWB Multifire (E)R D/ZI

Product specification sheet in accordance with EU Regulation 2015/1187 and 2015/1189

The required buffer volume for the boiler must be determined based on KWB planning documentation. All boilers already have integrated temperature controls, so every product is a "package".

MF2 R D/ZI MF2 ER D/ZI	UNIT	70	80	100	108	120
Stoking mode		automatic				
Share of partial load in relation to nominal load (30%/50%)	%	30				
Temperature control integrated in the boiler (yes/no)		Yes				
Temperature control class		VI				
Contribution of the temperature control to the energy efficiency index of the package	%	4				
Factor II (Weighting primary solid fuel boiler and additional heating device)		0	-			
Value for III (294/(11*Pr))		0,38	-			
Value for IV (115/(11*Pr))		0,15	-			
Condensing boiler		No				
Combination boiler for hot water and heating		No				
Solid Fuel cogeneration boiler		No				
Preferred fuel		Wood Pellets				
Energy efficiency class		A+	-	-	-	-
Rated power	kW	69,5	80	100	108	120
Partial load	kW	20,9	24,0	30,0	32,4	36,0
Energy efficiency index - boiler		123	-	-	-	-
Seasonal space heating energy efficiency in active mode	%	83	84	84	84	84
Energy efficiency class - integration with heating circuit control		A++	-	-	-	-
Energy efficiency index - integration with heating circuit control		127	-	-	-	-
Boiler efficiency at rated power (NCV* / GCV**)	%	96,0 / 87,9	95,8 / 87,7	95,8 / 87,7	95,8 / 87,7	95,7 / 87,7
Boiler efficiency at partial load (NCV* / GCV**)	%	95,2 / 87,2	95,4 / 87,4	95,7 / 87,6	95,7 / 87,6	95,9 / 87,8
Electrical power consumption at maximum output	kW	0,135	0,143	0,167	0,176	0,190
Electrical power consumption at partial output	kW	0,088	0,089	0,094	0,096	0,099
Electrical power consumption at standby	kW	0,010	0,010	0,010	0,010	0,010
Electrical power consumption at maximum output - with e-filter	kW	0,160	0,172	0,199	0,210	0,227
Electrical power consumption at partial output - with e-filter	kW	0,100	0,102	0,115	0,121	0,129
Electrical power consumption at standby - with e-filter	kW	0,010	0,010	0,010	0,010	0,010
Seasonal space heating emissions - PM	mg/m ³ (10% O ₂)	<30	<30	<30	<30	<30
Seasonal space heating emissions - OGC	mg/m ³ (10% O ₂)	<16	<16	<16	<16	<16
Seasonal space heating emissions - CO	mg/m ³ (10% O ₂)	<380	<380	<380	<380	<380
Seasonal space heating emissions - Nox	mg/m ³ (10% O ₂)	<200	<200	<200	<200	<200

Precautions: Assembly and installation have to be carried out only by qualified personnel. The instructions are to be followed.

Intellectual Property

The contents of these documents are protected by copyright and perpetually remain the intellectual property of KWB. Any use, copying, dissemination, publication, modification and/or other transfer to third parties require KWB's prior written consent. * Net Caloric Value ** Gross Caloric Value

Subject to changes as well as typographical and printing errors. © KWB GmbH



KWB Powerfire

Product specification sheet in accordance with EU Regulation
2015/1187 and 2015/1189

The required buffer volume for the boiler must be determined based on KWB planning documentation.
All boilers already have integrated temperature controls, so every product is a "package".

TDS	UNIT	TDS 150	TDS 240	TDS 300
Stoking mode		automatic		
Share of partial load in relation to nominal load (30%/50%)	%	30		<16
Temperature control integrated in the boiler (yes/no)		Yes		
Temperature control class		VI		
Contribution of the temperature control to the energy efficiency index of the package	%	4		
Condensing boiler		No		
Combination boiler for hot water and heating		No		
Solid Fuel cogeneration boiler		No		
Preferred fuel		Wood chips		
Rated power	kW	150	240	300
Partial load	kW	45,0	72,0	72,0
Seasonal space heating energy efficiency in active mode	%	79	83	83
Boiler efficiency at rated power (NCV* / GCV**)	%	92,5 / 83,4	95,8 / 86,5	95,5 / 86,2
Boiler efficiency at partial load (NCV* / GCV**)	%	92,4 / 83,1	95,7 / 86,4	95,7 / 86,4
Electrical power consumption at maximum output	kW	0,270	0,428	0,477
Electrical power consumption at partial output	kW	0,190	0,182	0,182
Electrical power consumption at standby	kW	0,0200	0,0340	0,0340
Seasonal space heating emissions - PM	mg/m ³ (10% O ₂)	<30	<30	<30
Seasonal space heating emissions - OGC	mg/m ³ (10% O ₂)	<16	<16	<16
Seasonal space heating emissions - CO	mg/m ³ (10% O ₂)	<380	<380	<380
Raumheizungs-Jahresemissionen - NOX	mg/m ³ (10% O ₂)	<200	<200	<200
Other suitable fuel		Wood Pellets		
Rated power	kW	150	240	300
Partial load	kW	45,0	72,0	72,0
Seasonal space heating energy efficiency in active mode		82	84	84
Boiler efficiency at rated power (NCV* / GCV**)	%	93,2 / 86,8	96,0 / 87,9	95,7 / 87,6
Boiler efficiency at partial load (NCV* / GCV**)	%	92,1 / 85,7	96,1 / 88,0	96,1 / 88,0
Electrical power consumption at maximum output	kW	0,182	0,418	0,470
Electrical power consumption at partial output	kW	0,110	0,238	0,238
Electrical power consumption at standby	kW	0,0200	0,0340	0,0340
Seasonal space heating emissions - PM	mg/m ³ (10% O ₂)	<30	<30	<30
Seasonal space heating emissions - OGC	mg/m ³ (10% O ₂)	<16	<16	<16
Seasonal space heating emissions - CO	mg/m ³ (10% O ₂)	<380	<380	<380
Seasonal space heating emissions - Nox	mg/m ³ (10% O ₂)	<200	<200	<200

Precautions: Assembly and installation have to be carried out only by qualified personnel. The instructions are to be followed.

Intellectual Property

The contents of these documents are protected by copyright and perpetually remain the intellectual property of KWB. Any use, copying, dissemination, publication, modification and/or other transfer to third parties require KWB's prior written consent. * Net Caloric Value ** Gross Caloric Value

Subject to changes as well as typographical and printing errors. © KWB GmbH