



CH BOILERS

EN - flyer 03/k/2017



BAFA
Bundesamt
für Wirtschaft
und Ausfuhrkontrolle

PELLET CH BOILER GENESIS KPP & GENESIS² KPP

Advantages of the Genesis KPP & Genesis² KPP:

- ▶ Eligible for grants through the 5-class emissions rank (in accordance with the EN 303-5:2012 standard).
- ▶ Awarded the certificate of "Polskie Ciepło" which is given to the most ecological and economical CH boilers in Poland.
- ▶ Ability to obtain grants in Germany - the Genesis KPP 24 is included on the BAFA list.
- ▶ Special design - efficiency up to 90%.
- ▶ Automatic fuel ignition - igniter as a standard.
- ▶ Boiler steel body guarantees boiler's high durability and long lifespan.
- ▶ Large fuel tank - 200 dm³ for 12 and 16 kW boilers and 400 dm³ for 24 kW boilers (we recommend placing the fuel tank on the right side of the boiler).
- ▶ Controller with power modulation.
- ▶ Direct control of the mixing valve actuator.
- ▶ Weather sensor and STB protection as a standard.
- ▶ Additional equipment (option): expansion module B; expansion module C; internet module, indoor controller.

Get even more by choosing the Genesis² KPP:

- ▶ Save space - only 72 cm wide.
- ▶ Compact design - feeder and control module are enclosed in the boiler's housing.
- ▶ Fuel tank is placed directly above the heat exchanger.



Genesis² KPP

Genesis KPP

specification	unit	07-125000	Genesis KPP 07-165000	07-245000	Genesis ² KPP 07-125002
catalogue number	-	07-125000	07-165000	07-245000	07-125002
rated thermal power	kW	12	16	24	12
range of power regulation	kW	3,8÷12,5	4,8÷16,0	7,0÷24,0	3,8÷12,5
fuel tank capacity	dm ³	200	200	400	200
boiler water capacity	dm ³	62	70	127	62
boiler heating surface	m ²	2,02	2,60	3,62	2,02
surface of the heated rooms ¹	m ²	do 160	do 200	do 250	do 160
weight without the fuel tank	kg	246	271	402	280 (with fuel tank)
minimum chimney cross-section	mm	Ø 160	Ø 160	Ø 160	Ø 160
operating temperature range	°C	55÷85	55÷85	55÷85	55÷85
thermal efficiency	%	88,40	88,88	89,84	88,40
allowable operating pressure	bar	2	2	2	2
boiler width	mm	482	482	632	720
smoke conduit height from the floor	mm	750	890	1140	750
boiler depth with smoke conduit	mm	1240	1240	1032	1222
boiler height	mm	1062	1202	1462	1640
fuel tank width	mm	560	560	715	-
fuel tank height	mm	1180	1180	1410	-

The boilers are equipped with **PELLASX** hybrid burner and **PELLASX** S.Control controller.
Ability to install **PELLASX** S.Control Touch controller - surcharge required.
Ability to install **PELLASX** rotary burner - surcharge required.

* Details in the warranty card.

¹ Depending on the building's insulation and without the demand for DHW; while using the primary fuel.

CH BOILERS WITH A FEEDER TYPE GALAXIA KWE

Galmef
5
class
PN-EN 303-5:2012

Galmef
60
months
warranty*

Galmef
94%
UP TO
thermal
efficiency

Galmef
ECO
design
standard



Galaxia KWE

- ▶ Eligible for grants through the 5-class emissions rank (in accordance with the EN 303-5:2012 standard).
- ▶ Awarded the certificate of "Polskie Ciepło" which is given to the most ecological and economical CH boilers in Poland.
- ▶ Extremely high thermal efficiency- up to 94,29%.
- ▶ The boilers are equipped with a straight feeder with a rotary retort, which ensures that the fuel is burned with maximum efficiency.
- ▶ Boiler steel body guarantees boiler's high durability and long lifespan.
- ▶ Large fuel tank - 240 dm³, which ensures continuous operation of the boiler for many days.²
- ▶ Controller with power modulation.
- ▶ Direct control of the mixing valve actuator.
- ▶ Weather sensor as a standard.
- ▶ Fuel tank flap opening sensor.
- ▶ STB protection prevents overheating of the boiler.
- ▶ Supported fuels: type 31 pea coal, granulation up to 25 mm.
- ▶ Additional equipment (option):
 - LCD touch screen,
 - wireless module,
 - internet module,
 - indoor controller,
 - 4D valve module.

specification	unit	Galaxia KWE		
catalogue number	-	07-152430	07-182430	07-222430
rated thermal power	kW	15,0	18,0	22,0
range of power regulation	kW	4,67 ÷ 15,60	5,40 ÷ 18,08	6,6 ÷ 22,0
fuel tank capacity	l	196	246	246
boiler water capacity	l	66	73	84
boiler heating surface	m ²	2,2	2,6	3,2
surface of the heated rooms ¹	m ²	150	180	220
weight with the fuel tank	kg	372	445	517
minimum chimney height	m	4,6	5,6	6
minimum chimney cross-section	mm	Ø 160	Ø 160	Ø 160
required chimney draft	mbar	0,15	0,20	0,20
minimum chimney cross-section	mm	Ø 160	Ø 160	Ø 160
operating temperature range	°C	55÷85	55÷85	55÷85
thermal efficiency	%	93	93	94
connections	*	5/4	5/4	5/4
allowable operating pressure	bar	2,0	2,0	2,0
boiler width with fuel tank	mm	1165	1165	1165
smoke conduit height from the floor	mm	990	1100	1300
boiler depth with smoke conduit	mm	1185	1185	1185
boiler height	mm	1291	1406	1608

The boilers are equipped with a straight feeder with a rotary retort, **ELSTER eLider** controller and a fuel tank located on the right side of the boiler.

* Details in the warranty card.

¹ Depending on the building's insulation and without the demand for DHW; while using the primary fuel.

² Does not apply to the Galaxia KWE 15 kW boiler.



EKO-GT KWP 17 kW

CH BOILERS WITH A FEEDER TYPE EKO-GT KWP

- ▶ Eligible for grants through the 4-class emissions rank (in accordance with the EN 303-5:2012 standard).
- ▶ Awarded the certificate of "Polskie Ciepło" which is given to the most ecological and economical CH boilers in Poland.
- ▶ Special design - efficiency up to 92%.
- ▶ The boilers are equipped with a straight feeder with a rotary retort, which ensures that the fuel is burned with maximum efficiency.
- ▶ Boiler steel body guarantees boiler's high durability and long lifespan.
- ▶ Large fuel tank - 240 dm³, which ensures continuous operation of the boiler for many days.
- ▶ Controller with power modulation.
- ▶ Direct control of the mixing valve actuator.
- ▶ Weather sensor as a standard.
- ▶ STB protection prevents overheating of the boiler.
- ▶ Supported fuels: type 31 pea coal, granulation up to 25 mm.
- ▶ Additional equipment (option):
 - indoor controller,
 - internet module,
 - mixing valve module,
 - cooling-protection coil,
 - DBV-1 cooling-relief valve.

specification	unit	EKO-GT KWP
catalogue number	-	07-172330
rated thermal power	kW	17
range of power regulation	kW	5,1÷17
fuel tank capacity	dm ³	240
boiler water capacity	dm ³	84
boiler heating surface	m ²	2,9
surface of the heated rooms ¹	m ²	170
weight with the fuel tank	kg	490
minimum chimney cross-section	mm	Ø 180
operating temperature range	°C	55÷85
thermal efficiency	%	92,00
allowable operating pressure	bar	2
boiler width with fuel tank	mm	1220
smoke conduit height from the floor	mm	1330
boiler depth with smoke conduit	mm	1015
boiler height	mm	1680

The boilers are equipped with a straight feeder with a rotary retort, **ELSTER** eLider controller and a fuel tank located on the right side of the boiler.

* Details in the warranty card.

¹ Depending on the building's insulation and without the demand for DHW; while using the primary fuel.



KWP 17 kW

CH BOILERS WITH A FEEDER TYPE KWP

- ▶ Boiler steel body guarantees boiler's high durability and long lifespan.
- ▶ Large fuel tank - 240 dm³, which ensures continuous operation of the boiler for many days.²
- ▶ Controller with power modulation (TECH or Elster).
- ▶ Direct control of the mixing valve actuator.
- ▶ Weather sensor as a standard.
- ▶ Ability to install emergency cast-iron grate.
- ▶ Ability to order the boiler with a slanted feeder (less resistance during fuel administration) - option.
- ▶ Ability to order the boiler with a rotary retort (even more efficient fuel combustion) - option.
- ▶ Ability to order the boiler with a gutter feeder with an igniter and „firefighter“ backfire protection - option.
- ▶ Supported fuels: type 31 pea coal, granulation up to 25 mm.
- ▶ Additional equipment (option):
 - indoor controller,
 - internet module,
 - mixing valve module,
 - GSM module (only for boilers with TECH controller),
 - cooling-protection coil,
 - DBV-1 cooling-relief valve.

specification	unit	KWP			
		07-121010	07-171010	07-251010	07-301010
catalogue number	-	07-121010	07-171010	07-251010	07-301010
rated thermal power	kW	12	17	25	30
range of power regulation	kW	3,6÷12	5,1÷17	7,5÷25	9÷30
fuel tank capacity	dm ³	150	240	240	240
boiler water capacity	dm ³	42	63	71	85
boiler heating surface	m ²	1,4	1,7	2,4	2,9
surface of the heated rooms ¹	m ²	do 120	do 170	do 250	do 300
weight with the fuel tank	kg	275	355	390	490
minimum chimney cross-section	mm	Ø 160	Ø 160	Ø 160	Ø 180
operating temperature range	°C	55÷85	55÷85	55÷85	55÷85
thermal efficiency	%	85÷86	84÷86	84÷86	84÷86
allowable operating pressure	bar	1,5	2,0	2,0	2,0
cast-iron grate (option)	mm/pcs.	370 / 10	370 / 12	420 / 12	480 / 15
boiler width with fuel tank	mm	970	1130	1150	1220
smoke conduit height from the floor	mm	960	1150	1235	1330
boiler depth with smoke conduit	mm	840	840	950	1015
boiler height	mm	1270	1475	1530	1680

The boilers are equipped with a straight feeder, fixed retort, **TECH** ST-480N controller and a fuel tank located on the right side of the boiler.

Ability to order the boiler with **ELSTER** eLider controller - penultimate digit of the catalogue number - 3, f.ex. 07-121030.

* Details in the warranty card.

¹ Depending on the building's insulation and without the demand for DHW; while using the primary fuel.

² Does not apply to the KWP 12 kW boiler.



CH BOILERS WITH A FEEDER TYPE KWP 40÷150 kW

- ▶ Boiler steel body guarantees boiler's high durability and long lifespan.
- ▶ Large fuel tank - 240 dm³ for 40-60 kW boilers, 520 dm³ 75-150 kW boilers.
- ▶ Controller with power modulation.
- ▶ Direct control of the mixing valve actuator.
- ▶ Weather sensor as a standard.
- ▶ Ability to install emergency cast-iron grate.
- ▶ Ability to order the boiler with a rotary retort (even more efficient fuel combustion) - option.
- ▶ Supported fuels: type 31 pea coal, granulation up to 25 mm.
- ▶ Additional equipment (option):
 - indoor controller,
 - internet module,
 - mixing valve module,
 - cooling-protection coil,
 - DBV-1 cooling-relief valve.



KWP 40 kW

specification	unit	KWP					
		07-401000	07-501000	07-601000	07-751000	07-101600	07-151600
catalogue number	-	07-401000	07-501000	07-601000	07-751000	07-101600	07-151600
rated thermal power	kW	40	50	60	75	100	150
range of power regulation	kW	12÷40	15÷50	18÷60	22,5÷75	30÷100	45÷150
fuel tank capacity	dm ³	240	240	240	520	520	520
boiler water capacity	dm ³	100	120	140	200	280	330
boiler heating surface	m ²	4,2	5,2	6,2	7,7	10,0	14,8
surface of the heated rooms ¹	m ²	do 400	do 500	do 600	do 750	do 1000	do 1500
weight with the fuel tank	kg	500	560	630	1120	1530	1870
minimum chimney cross-section	mm	Ø 200	Ø 200	Ø 220	Ø 250	Ø 300	Ø 350
operating temperature range	°C	55÷85	55÷85	55÷85	55÷85	55÷85	55÷85
thermal efficiency	%	82÷86	82÷86	82÷86	82÷86	82÷86	82÷86
allowable operating pressure	bar	2,0	2,0	2,0	2,0	2,0	2,0
cast-iron grate (option)	mm/pcs.	480 / 15	480 / 18	480 / 20	720 / 18	720 / 20	720 / 20
boiler width with fuel tank	mm	1250	1350	1370	1640	1770	1770
smoke conduit height from the floor	mm	1175	1210	1305	1330	1435	1565
boiler depth with smoke conduit	mm	1205	1280	1340	1720	1900	1970
boiler height	mm	1490	1490	1590	1620	1775	1905

The boilers are equipped with a straight feeder, fixed retort, **ELSTER** eLider controller and a fuel tank located on the right side of the boiler.

* Details in the warranty card.

¹ Depending on the building's insulation and without the demand for DHW; while using the primary fuel.



KWPD 17 kW

CH BOILERS WITH A FEEDER TYPE KWPD

- ▶ Built-in water grate allows for manual burning of alternative fuels such as hard coal or firewood.
- ▶ Boiler steel body guarantees boiler's high durability and long lifespan.
- ▶ Large fuel tank - 240 dm³, which ensures continuous operation of the boiler for many days.
- ▶ Controller with power modulation (TECH or Elster).
- ▶ Direct control of the mixing valve actuator.
- ▶ Weather sensor as a standard.
- ▶ Ability to order the boiler with a slanted feeder (less resistance during fuel administration) - option.
- ▶ Ability to order the boiler with a rotary retort (even more efficient fuel combustion) - option.
- ▶ Supported fuels:
 - type 31 pea coal, granulation 8-25 mm (basic fuel),
 - hard coal (alternative fuel),
 - firewood (alternative fuel).
- ▶ Additional equipment (option):
 - indoor controller,
 - internet module,
 - mixing valve module,
 - GSM module (only for boilers with TECH controller),
 - cooling-protection coil,
 - DBV-1 cooling-relief valve.

specification	unit	KWPD		
catalogue number	-	07-171210	07-251210	07-301210
rated thermal power	kW	17	25	30
range of power regulation	kW	5,1÷17	7,5÷25	9÷30
fuel tank capacity	dm ³	240	240	240
boiler water capacity	dm ³	63	71	85
boiler heating surface	m ²	1,7	2,4	2,9
surface of the heated rooms ¹	m ²	do 160	do 220	do 280
weight with the fuel tank	kg	365	400	500
minimum chimney cross-section	mm	Ø 160	Ø 160	Ø 180
operating temperature range	°C	55÷85	55÷85	55÷85
thermal efficiency	%	79÷84	79÷84	79÷84
allowable operating pressure	bar	2,0	2,0	2,0
water grate	mm/pcs.	fixed	fixed	fixed
boiler width with fuel tank	mm	1130	1150	1220
smoke conduit height from the floor (B)	mm	1150	1235	1330
boiler depth with smoke conduit (C)	mm	840	950	1015
boiler height	mm	1475	1530	1680

The boilers are equipped with water grate, a straight feeder, fixed retort, **TECH** ST-480N controller and a fuel tank located on the right side of the boiler. Ability to order the boiler with **ELSTER** eLider controller - penultimate digit of the catalogue number - 3, f.ex. 07-171230.

* Details in the warranty card.

¹ Depending on the building's insulation and without the demand for DHW; while using the primary fuel.



CH BOILERS WITHOUT A FEEDER TYPE KW, KWR, KWR ST

- ▶ Simple operation and high reliability.
- ▶ Ability to work without electricity (applies to boilers without a controller and a fan).
- ▶ Slanted hoppers door for easier fuel loading (does not apply to KW 7-10 kW boilers and KWR 11 kW boilers).
- ▶ Built-in water grate allows for faster heat transfer (does not apply to KW boilers).
- ▶ Movable mechanical grate for increased comfort (applies to KWR ST boilers).
- ▶ Boiler steel body guarantees boiler's high durability and long lifespan.
- ▶ Ability to install a controller and a fan - option.
- ▶ Supported fuels:
 - hard coal (basic fuel),
 - firewood (alternative fuel).
- ▶ Additional equipment (option):
 - analogue draft regulator,
 - electronic draft regulator.



KW 20 kW

KWR ST 33 kW

specification	unit	KW (cast-iron grate)					
		07-070000	07-100000	07-150000	07-200000	07-250000	07-300000
catalogue number	-	07-070000	07-100000	07-150000	07-200000	07-250000	07-300000
rated thermal power	kW	7	10	15	20	25	30
combustion chamber capacity	dm ³	10	21	32	50	76	94
boiler water capacity	dm ³	30	40	51	60	70	85
combustion chamber depth	mm	275	330	380	430	490	490
weight	kg	127	165	215	270	305	325
operating temperature range	°C	50+85	50+85	50+85	50+85	50+85	50+85
thermal efficiency	%	85	85	85	85	85	85
dimensions (w x d x h)	mm	340x600x910	410x750x990	410x910x1200	465x985x1300	515x1035x1440	635x1000x1460

specification	unit	KWR (water grate) / KWR ST (water grate, movable mechanical grate)					
		KWR	KWR ST	07-170200	07-220200	07-270200	07-330200
catalogue number	-	07-110200	07-170200	07-220200	07-270200	07-330200	07-330200
rated thermal power	kW	11	17	22	27	33	33
combustion chamber capacity	dm ³	21	32	50	76	94	94
boiler water capacity	dm ³	44	56	68	78	98	98
combustion chamber depth	mm	330	380	430	490	490	490
weight	kg	168	220	275	310	330	330
operating temperature range	°C	50+85	50+85	50+85	50+85	50+85	50+85
thermal efficiency	%	85	85	85	85	85	85
dimensions (w x d x h)	mm	410x750x990	410x910x1200	465x985x1300	515x1035x1440	635x1000x1460	635x1000x1460

* Details in the warranty card.



KW Z 15 kW

CH BOILERS WITHOUT A FEEDER TYPE KW Z, KWR Z

- ▶ Both upper and lower combustion possible.
- ▶ Simple operation and high reliability.
- ▶ Additional blowing nozzles enhance the efficiency of fuel combustion.
- ▶ Built-in water grate allows for faster heat transfer (applies to KWR Z boilers).
- ▶ Boiler steel body guarantees boiler's high durability and long lifespan.
- ▶ DHW sensor as a standard.
- ▶ Supported fuels:
 - fine coal (basic fuel),
 - hard coal (alternative fuel).
- ▶ Additional equipment allowing the boiler to operate in a closed system (option):
 - cooling-protection coil,
 - DBV-1 cooling-relief valve.

specification	unit	KW Z (cast-iron grate, regulator ELSTER)						
catalogue number	-	07-150015	07-200015	07-300015	07-450015	07-650015	07-950015	
rated thermal power	kW	15	20	30	45	65	95	
combustion chamber capacity	dm ³	33	45	96	142	205	275	
boiler water capacity	dm ³	50	65	100	150	210	290	
weight	kg	210	272	400	465	950	1420	
operating temperature range	°C	50÷85	50÷85	50÷85	50÷85	50÷85	50÷85	
thermal efficiency	%	87	87	87	87	87	87	

specification	unit	KWR Z (water grate, reg. ELSTER)						
catalogue number	-	07-170215	07-220215	07-350215	07-500215	07-700215	07-100615	07-150615
rated thermal power	kW	17	22	35	50	70	100	150
combustion chamber capacity	dm ³	33	45	96	142	205	275	345
boiler water capacity	dm ³	52	68	110	163	220	300	320
weight	kg	215	295	405	465	950	1420	1800
operating temperature range	°C	50÷85	50÷85	50÷85	50÷85	50÷85	50÷85	50÷85
thermal efficiency	%	86	86	86	86	86	86	86

* Details in the warranty card.

FEEDERS FOR GALMET'S CH BOILERS



Straight feeder with fixed retort:

- ▶ Supported fuels:
 - type 31 and 32 pea coal, granulation up to 25 mm.
 - maximum calorific value of 27 MJ/kg.
- ▶ Trouble-free operation thanks to simple design.



Straight feeder with a rotary retort:

- ▶ Supported fuels:
 - type 31 and 32 pea coal, granulation up to 25 mm.
 - maximum calorific value of 27 MJ/kg.
- ▶ Rotary retort allows for more efficient fuel combustion.
- ▶ Allows the combustion of lower-grade fuels.



Trio feeder with a rotary retort:

- ▶ Supported fuels:
 - type 31 and 32 pea coal, granulation up to 25 mm.
 - wood pellet with granulation of 6-8 mm.
 - maximum calorific value of 27 MJ/kg.
- ▶ Rotary retort allows for more efficient fuel combustion.
- ▶ Allows the combustion of lower-grade fuels.
- ▶ Blowing nozzles enhance the efficiency of pellet combustion.



Slanted feeder with fixed retort:

- ▶ Supported fuels:
 - type 31 and 32 pea coal, granulation up to 25 mm.
 - maximum calorific value of 27 MJ/kg.
- ▶ Trouble-free operation thanks to simple design.
- ▶ Slanted construction provides less resistance during fuel administration.



Gutter feeder with igniter:

- ▶ Supported fuels:
 - type 31 and 32 pea coal, granulation up to 31 mm.
 - wood pellet with granulation of 6-8 mm.
 - maximum calorific value of 24 MJ/kg.
- ▶ Automatic fuel ignition thanks to the igniter.
- ▶ No bend at the furnace allows for combustion of fuels with higher granulation.



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