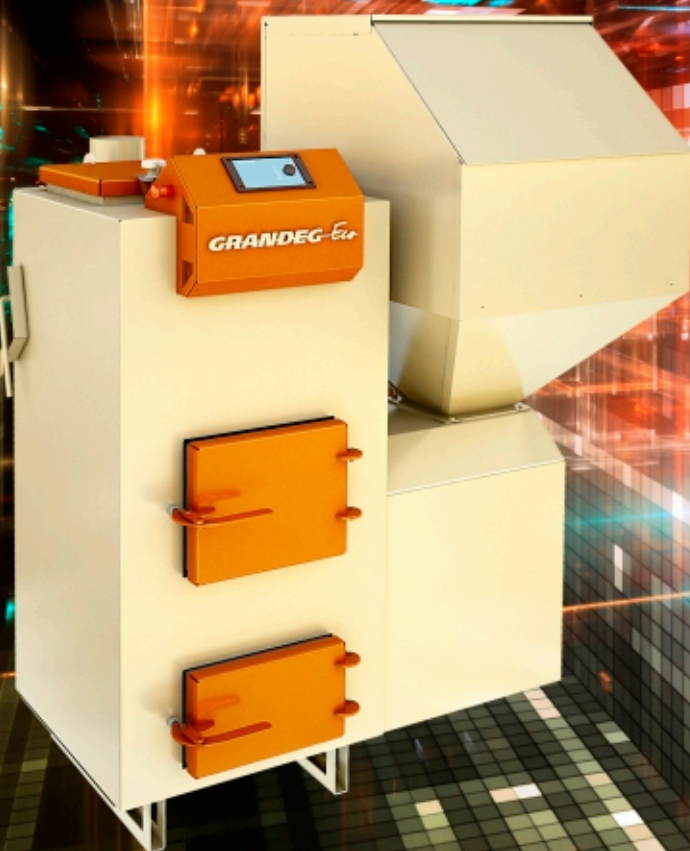


THE BEST CHOICE FOR WARMTH

GRANDEG
PELLET HEATING BOILERS





DEAR CLIENTS AND PARTNERS,

GRANDEG has been producing wood and biomass pellet boilers for almost 20 years. Our wood pellet boilers warm single-family homes, apartment and municipal buildings as well as multi-use commercial areas in the Baltics, Scandinavia, Europe, Russia and Ukraine. We have also developed a wide network of professional dealers and service providers in those countries.

As a result of many years of experience, the input of our highly skilled team of professional engineers and purposeful investment in our state-of-the-art production processes, GRANDEG has become the largest specialized producer of wood and biomass pellet boilers in the Baltics. Professional CNC machines are used in the production process, allowing us to achieve high quality standards, that are monitored daily in accordance to our ISO: 9001:2008.

We offer a wide selection of modern, fully automated wood and biomass pellet boiler models with power ranges from 25 up to 500 kW. The unique and innovative technologies of GRANDEG wood and biomass pellet boilers guarantee that the processes of hot water and heat generation shall be both effective and economic, as acknowledged by testing institutions, our long-term commercial clients and international innovation awards we have received in industry competitions.

Our mission is to promote renewable and green energy worldwide by developing and producing heating solutions that provide comfort to our clients, secure independence from fossil fuels, and foster a sustainable and ecologically clean environment.

*With GRANDEG pellet heating boilers you will be able to put aside any concerns about heating, enjoy the warmth and comfort and have more free time for yourself and your family!
Bringing warmth to your home – that is our top priority!*

Wishing you a warm, comfortable, cost-effective and green way of living!

Sincerely,

Andris Lubins
GRANDEG Founder, Owner and CEO

PROVIDING WARMTH FOR 20 YEARS



WWW.GRANDEG.COM

CAPACITY 25; 40 kW

Perfect solution for residential and small size commercial properties with space until 300*; 500** m²



Bio SERIES

SPECIALIZED PELLET HEATING BOILER WITH CAPABILITY TO USE FIREWOOD AS AN ALTERNATIVE FUEL



AUXILIARY EQUIPMENT FOR BURNING OF FIREWOOD



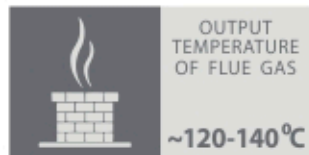
AVERAGE PELLET CONSUMPTION PER MONTH
~ 800*
~ 1200** kg



CONTINUOUS OPERATION
~5-7 DAYS



BOILER OPERATION EFFICIENCY
86-88 %



OUTPUT TEMPERATURE OF FLUE GAS
~120-140°C



ELECTRIC VOLTAGE
230V/50Hz



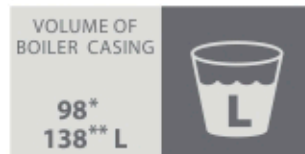
AVERAGE CONSUMPTION OF ELECTRIC POWER
~70 W/h



OPERATIONAL TEMPERATURE RANGE
70 - 90 °C



OPERATIONAL PRESSURE
MAX 1,5 BAR



VOLUME OF BOILER CASING
98*
138** L



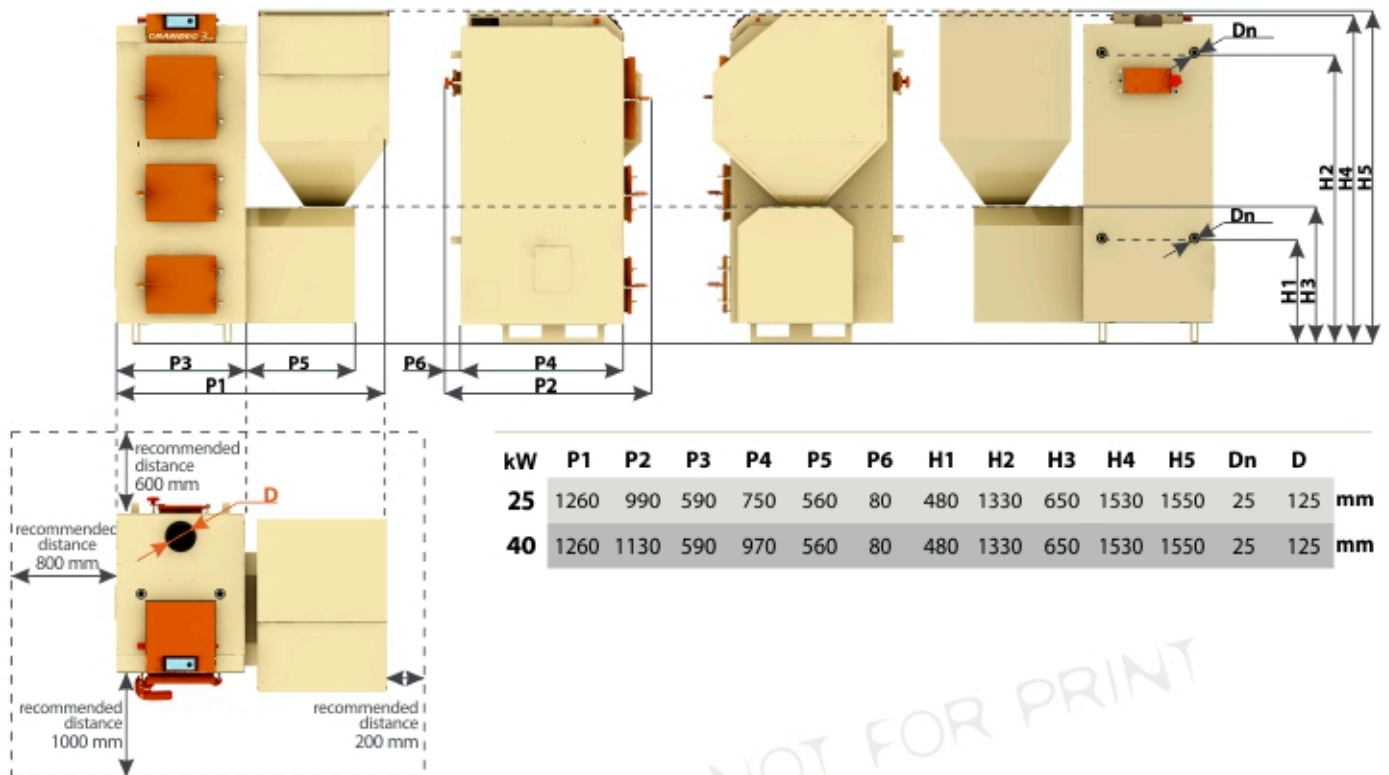
BOILER UNIT NET WEIGHT
258*
408** kg



NOT FOR PRINT

* 25 kW ** 40 kW

DIMENSIONS OF *Bio* HEATING BOILER (25; 40 kW)



kW	P1	P2	P3	P4	P5	P6	H1	H2	H3	H4	H5	Dn	D
25	1260	990	590	750	560	80	480	1330	650	1530	1550	25	125 mm
40	1260	1130	590	970	560	80	480	1330	650	1530	1550	25	125 mm

NOT FOR PRINT

CAPACITY 25; 40 kW

Perfect solution for residential and small size commercial properties with space until 300* ; 500** m



Eco SERIES

PELLET HEATING BOILER

WITH INTEGRATED CHAMBER-TYPE PELLET BURNER AND VERTICALLY BUILD-IN HEAT EXCHANGING PIPES




AVERAGE PELLET CONSUMPTION PER MONTH
~ 700*
~ 1100** kg



CONTINUOUS OPERATION
~5-7 DAYS



BOILER OPERATION EFFICIENCY
88-90 %



OUTPUT TEMPERATURE OF FLUE GAS
~110-130°C



ELECTRIC VOLTAGE
230V/50Hz



AVERAGE CONSUMPTION OF ELECTRIC POWER
~70 W/h



OPERATIONAL TEMPERATURE RANGE
70 - 90 °C



OPERATIONAL PRESSURE
MAX 1,5 BAR



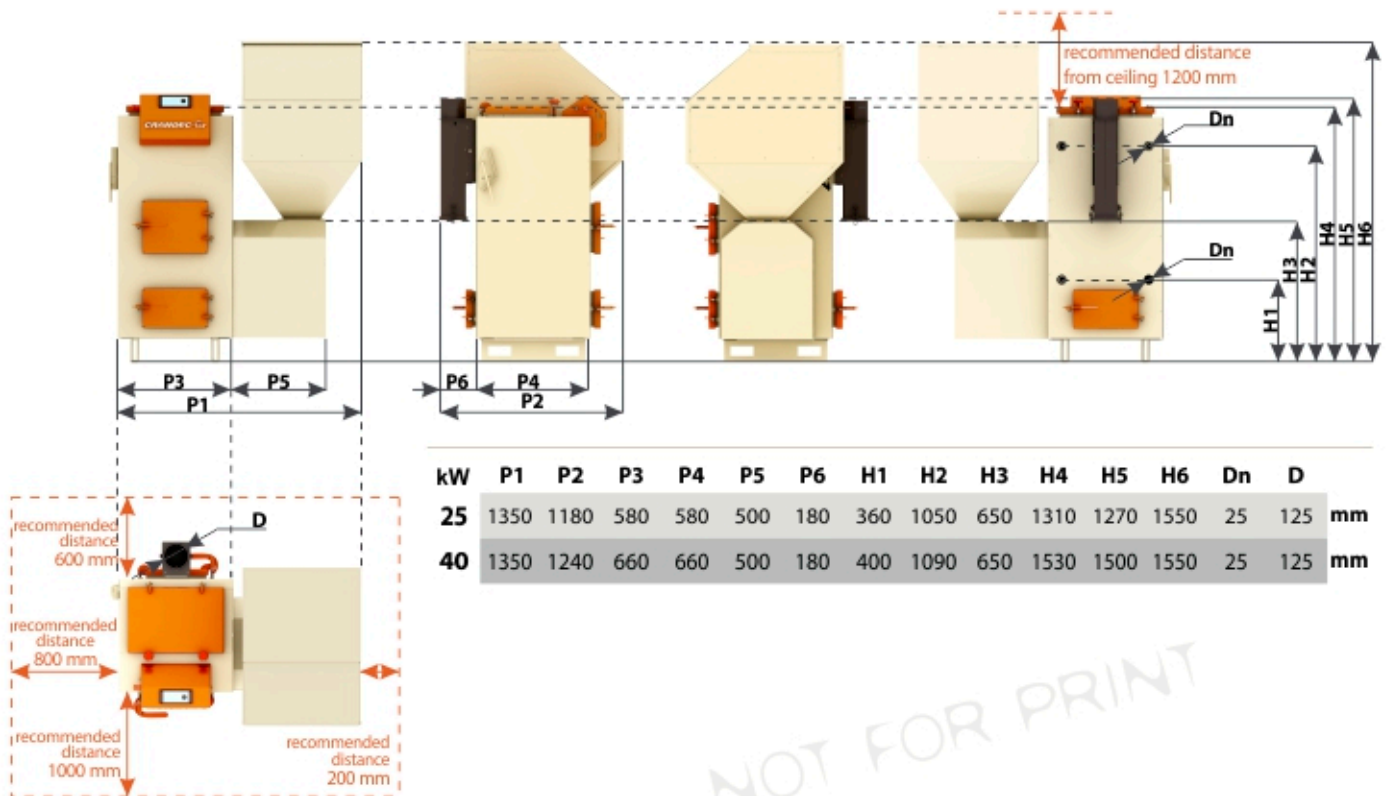
VOLUME OF BOILER CASING
60*
110** L



BOILER UNIT NET WEIGHT
258*
360** kg

* 25 kW ** 40 kW

DIMENSIONS OF *Eco* HEATING BOILER (25; 40 kW)



NOT FOR PRINT

CAPACITY 70; 100 kW

Perfect solution for small and medium size commercial properties with space from 500 until 850* ; 1250** m²



Eco SERIES

PELLET HEATING BOILER

WITH INTEGRATED CHAMBER-TYPE PELLET BURNER AND VERTICALLY BUILD-IN HEAT EXCHANGING PIPES




AVERAGE PELLET CONSUMPTION PER MONTH
~ 2000*
~ 2800** kg



CONTINUOUS OPERATION
M HOPPER
~3-5 DAYS



BOILER OPERATION EFFICIENCY
88-90 %



OUTPUT TEMPERATURE OF FLUE GAS
~120-140°C



ELECTRIC VOLTAGE
230V/50Hz



AVERAGE CONSUMPTION OF ELECTRIC POWER
~200 W/h



OPERATIONAL TEMPERATURE RANGE
70 - 90 °C



OPERATIONAL PRESSURE
MAX 3 BAR



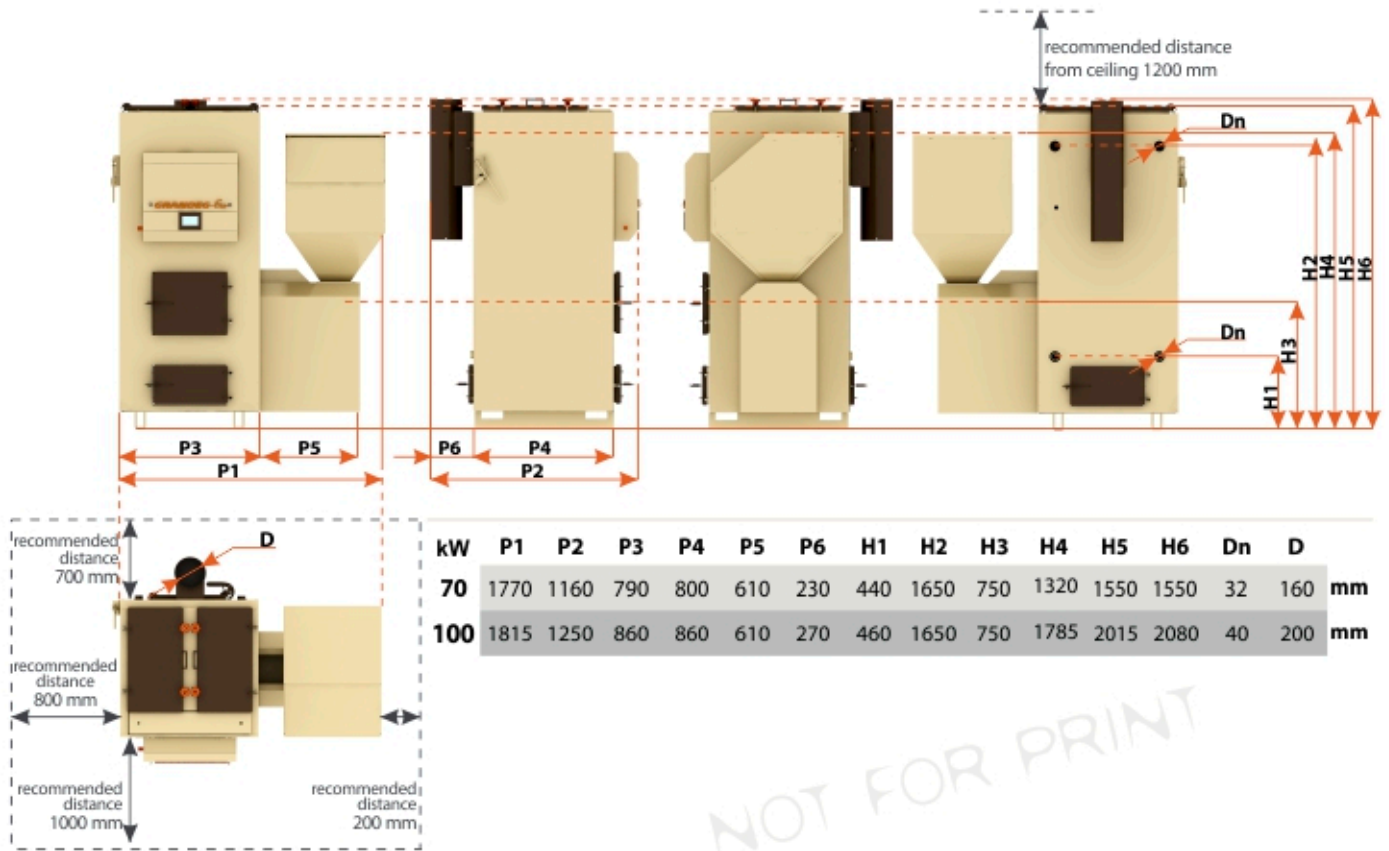
VOLUME OF BOILER CASING
170*
290** L



BOILER UNIT NET WEIGHT
520*
750** kg

* 70 kW ** 100 kW

DIMENSIONS OF *Eco* HEATING BOILER (70; 100 kW)



NOT FOR PRINT

CAPACITY 200; 300 kW

Perfect solution for big size commercial and industrial properties with space from 1250 until 2500* ; 3750** m²



Eco SERIES

PELLET HEATING BOILER

WITH INTEGRATED CHAMBER-TYPE PELLET BURNER AND VERTICALLY BUILD-IN HEAT EXCHANGING PIPES



AVERAGE PELLET CONSUMPTION PER MONTH

~ 5000*
~ 6500** kg



CONTINUOUS OPERATION

L HOPPER
~1-3 DAYS



BOILER OPERATION EFFICIENCY

90 %



OUTPUT TEMPERATURE OF FLUE GAS

~110-140°C



ELECTRIC VOLTAGE

380V/50Hz



AVERAGE CONSUMPTION OF ELECTRIC POWER

~ 500 W/h



BOILER UNIT NET WEIGHT

1100*
1330** kg

OPERATIONAL TEMPERATURE RANGE

70 - 90 °C



OPERATIONAL PRESSURE

MAX
3 BAR



VOLUME OF BOILER CASING

810*
1025** L



* 200 kW ** 300 kW

DIMENSIONS OF *Eco* HEATING BOILER (200; 300 kW)



CAPACITY 70; 100 kW

Perfect solution for small and medium size commercial properties with space from 500 until 850*; 1250** m²



Turbo SERIES

PELLET HEATING BOILER

WITH SELF-CLEANING HEAT EXCHANGING PIPES AND SELF-CLEANING PELLET BURNER WITH AUTOMATICALLY MODULATED PRIMARY AND SECONDARY COMBUSTION AIR



DIN EN 303-5
5 CLASS



AVERAGE PELLET CONSUMPTION PER MONTH
~ 1800*
~ 2500** kg



CONTINUOUS OPERATION
UNLIMITED




BOILER OPERATION EFFICIENCY
91-93 %



OUTPUT TEMPERATURE OF FLUE GAS
~80-120°C



ELECTRIC VOLTAGE
230V/50Hz



AVERAGE CONSUMPTION OF ELECTRIC POWER
~ 300 W/h



OPERATIONAL TEMPERATURE RANGE
70 - 90 °C



OPERATIONAL PRESSURE
MAX 3 BAR



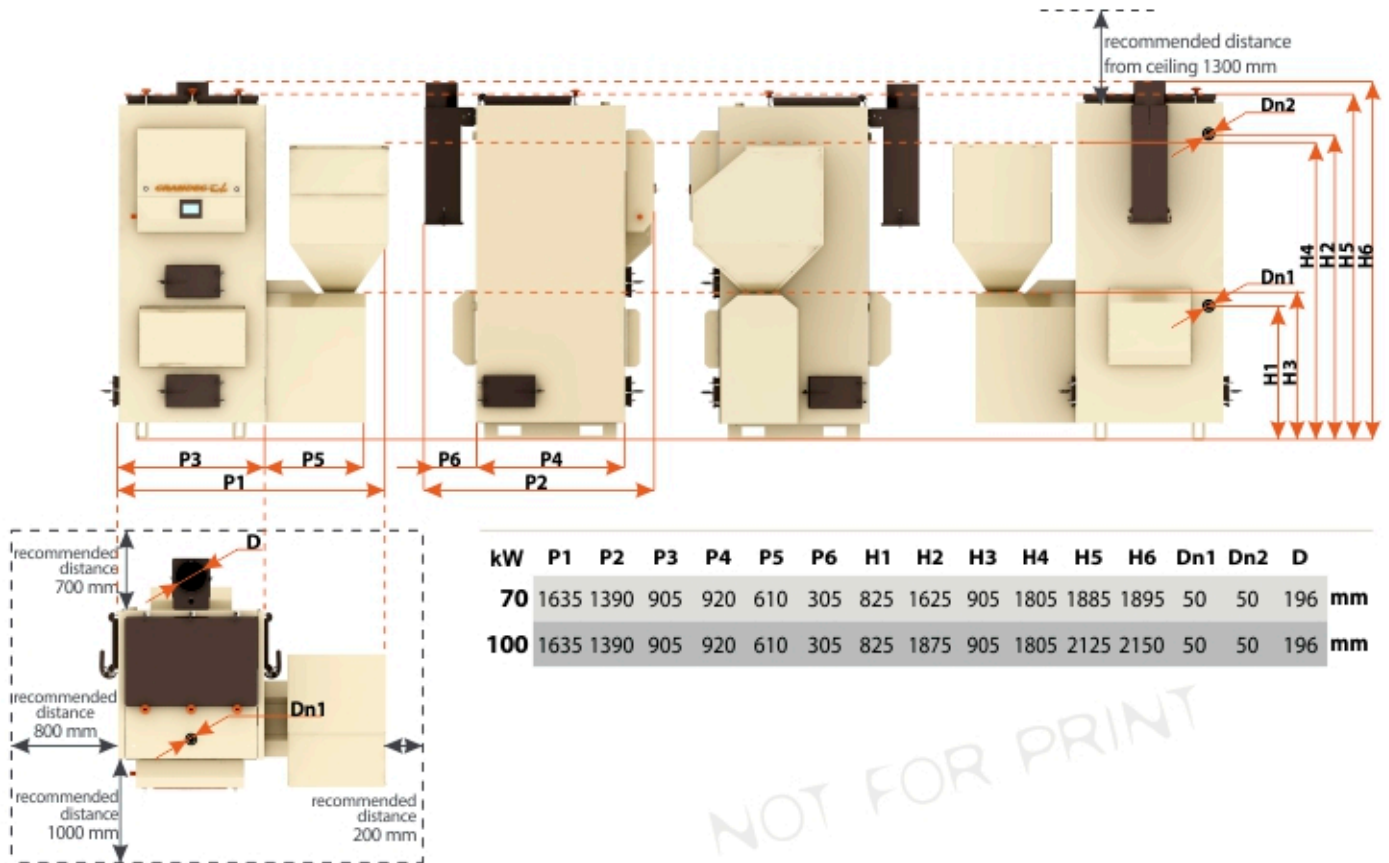
VOLUME OF BOILER CASING
**170*
290** L**



BOILER UNIT NET WEIGHT
**700*
800** kg**

* 70 kW ** 100 kW

DIMENSIONS OF *Turbo* HEATING BOILER (70; 100 kW)



NOT FOR PRINT

CAPACITY 200; 300; 500 kW

Perfect solution for big size commercial and industrial properties with space from 1250 until 2500*; 3750** ; 6250*** m²



Turbo SERIES

PELLET HEATING BOILER

WITH SELF-CLEANING HEAT EXCHANGING PIPES AND SELF-CLEANING PELLET BURNER WITH AUTOMATICALLY MODULATED PRIMARY AND SECONDARY COMBUSTION AIR



DIN EN 303-5
5 CLASS




AVERAGE PELLET CONSUMPTION PER MONTH
~ 4500*
~ 5800** kg
~ 9900***



CONTINUOUS OPERATION
~5-7 DAYS




BOILER OPERATION EFFICIENCY
91-93 %



OUTPUT TEMPERATURE OF FLUE GAS
~80-120°C



ELECTRIC VOLTAGE
380V/50Hz



AVERAGE CONSUMPTION OF ELECTRIC POWER
~700 W/h



OPERATIONAL TEMPERATURE RANGE
70 - 90 °C



OPERATIONAL PRESSURE
MAX 3 BAR



VOLUME OF BOILER CASING
810*
1025**
1025*** L



BOILER UNIT NET WEIGHT
1150*/1450**
1885** kg

* 200 kW ** 300 kW *** 500 kW

DIMENSIONS OF *Turbo* HEATING BOILER (200; 300; 500 kW)



CAPACITY 40 ; 70 ; 100 kW

Perfect solution for warehouse,
garage and greenhouse heating
until 500* ; - 850** ; - 1250*** m²



Airo SERIES


PELLET HEATING FURNACE WITH SPECIAL DIRECT AIR HEAT EXCHANGER





 AVERAGE PELLET CONSUMPTION PER MONTH kg
~ 1200*
~ 2200**
~ 3100***

 CONTINUOUS OPERATION IN DAYS
~ 4-5*
~ 3-4**
~ 2-3***

 BOILER OPERATION EFFICIENCY
85-90 %

 OUTPUT TEMPERATURE OF FLUE GAS
~120-140°C

 ELECTRIC VOLTAGE
230V/50Hz*
/*
380V/50Hz

 AVERAGE CONSUMPTION OF ELECTRIC POWER
~ 3,5 kW/h*
~ 5,5 kW/h***

OPERATIONAL TEMPERATURE RANGE
150-170 °C



OPERATIONAL HOT AIR VOLUME m³/h
~ 800*
~ 1300**
~ 1900***



SURFACE OF BOILER CASING m²
5,4*
10,2**
14,6***



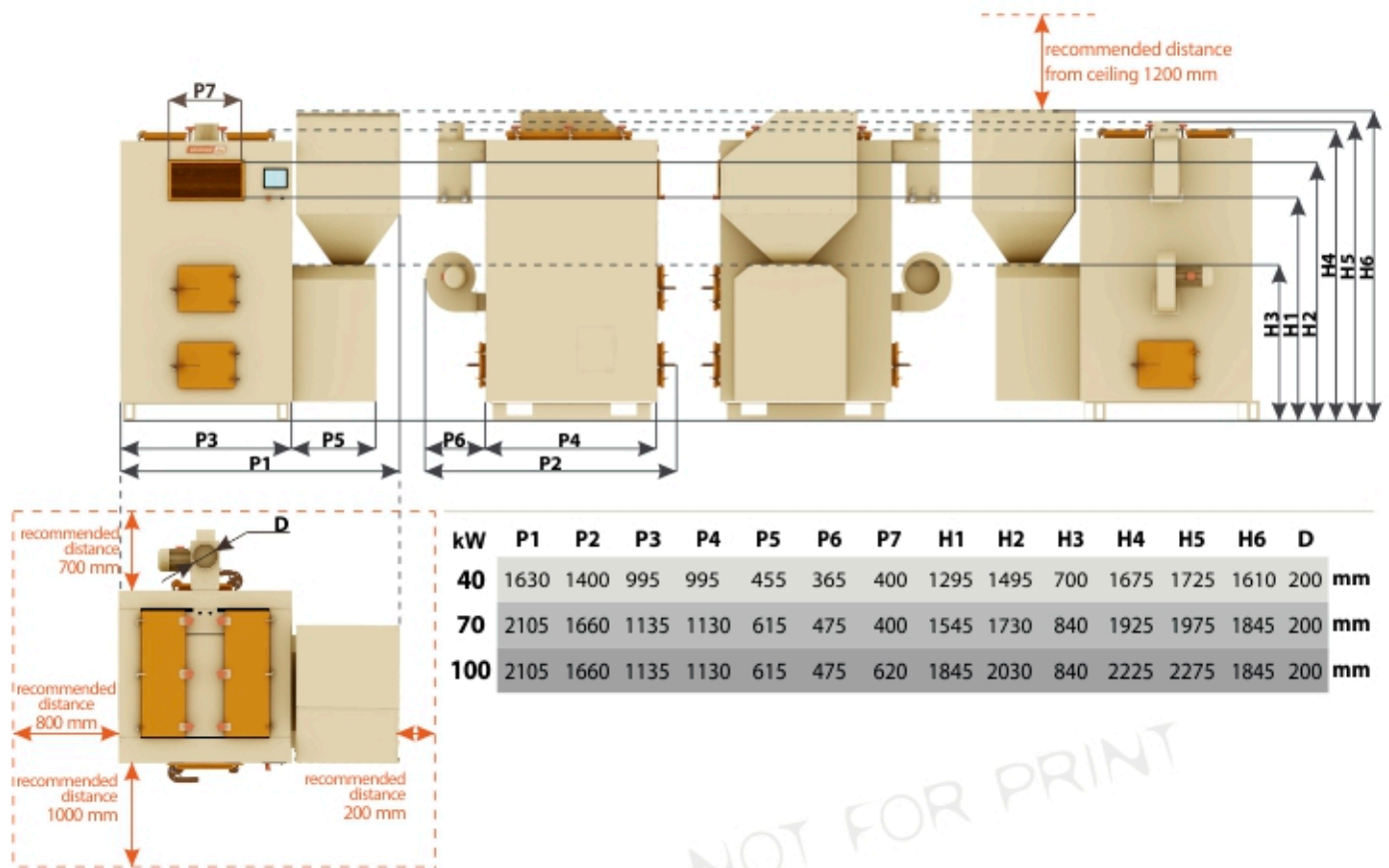
BOILER UNIT NET WEIGHT kg
590*
820**
940***



NOT FOR PRINT

* 40 kW ** 70 kW *** 100 kW

DIMENSIONS OF *Airo* HEATING FURNACE (40; 70; 100 kW)



NOT FOR PRINT

SIZE **M** (1,2x1,2 m); **L** (2,4x2,4 m)

Perfect solution for unlimited boiler continuous operation



Silo SÉRIJAS

PELLET STORAGE WAREHOUSE AND

Pneimo SÉRIJAS

PELLET SUPPLY SYSTEM



PELLET VOLUME WEIGHT

~ 650 kg/m³

SILO HORIZONTAL SEGMENT VOLUME

0,6 m³ *
2,3 m³ **

SILO BASE CONE VOLUME

0,3 m³ *
2,3 m³ **

CONTINUOUS OPERATION

~1-3 MONTH

ELECTRIC VOLTAGE

380V/50Hz

AVERAGE CONSUMPTION OF ELECTRIC POWER

~ 3 kW/h

PELLET TRANSFERRING DISTANCE

UNTIL 50 m

* M (1,2 x 1,2 m) ** L (2,4 x 2,4 m)

CAPACITY 100 kW - 1MW

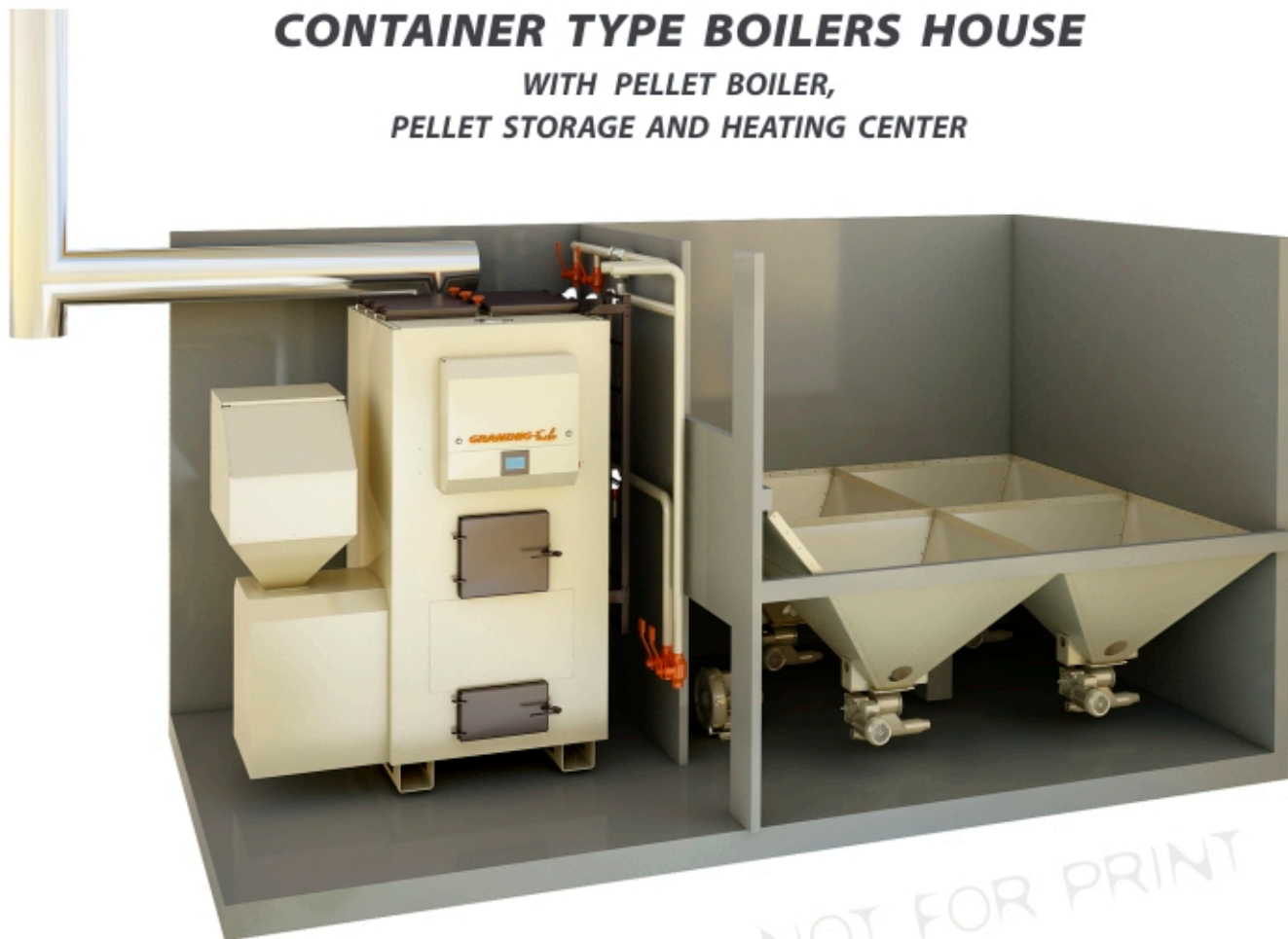
Perfect solution for all kinds buildings,
villages and technological processes



Konto SERIES

CONTAINER TYPE BOILERS HOUSE

WITH PELLETT BOILER,
PELLET STORAGE AND HEATING CENTER



NOT FOR PRINT

FULLY
AUTOMATIC
CONTINUOUS
OPERATION
~ 1 WEEK -
~ 1 MONTH



ELECTRIC
VOLTAGE

380V/50Hz



CONTAINER
DIMENSIONS

A 2,5-3,5 m
B 2,5-3,5 m
C 4-12 m



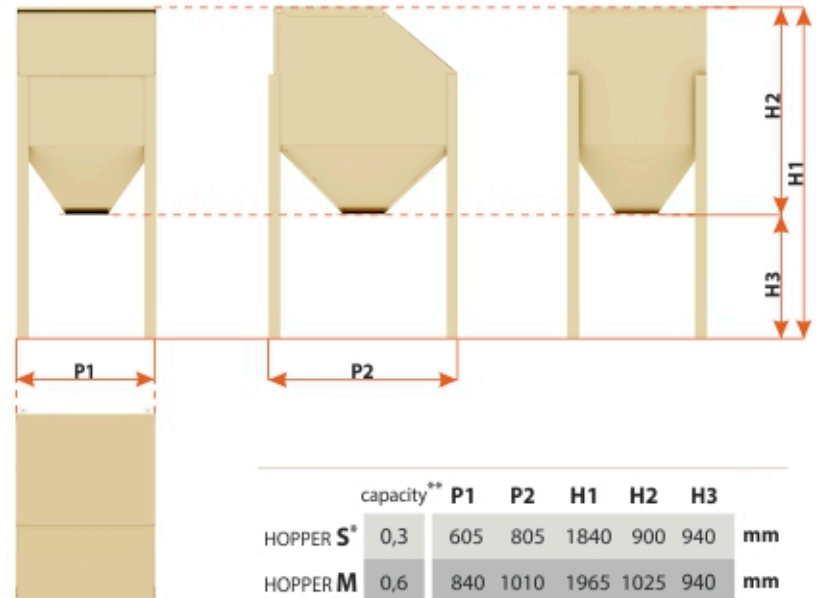
CONTAINER
BOILER HOUSE
NET WEIGHT

5-20 TONS





PELLET BOILER'S HOPPER DIMENSIONS



	capacity**	P1	P2	H1	H2	H3	
HOPPER S	0,3	605	805	1840	900	940	mm
HOPPER M	0,6	840	1010	1965	1025	940	mm
HOPPER L	1,0	890	1230	2240	1300	940	mm
	m ³						

* Without supporting legs

** Unit weight of woodchip pellets ~650 kg/m³ (EN 14961-2 Standard)

NOT FOR PRINT

GRANDEG

PELLET HEATING BOILERS

HEAD OFFICE

**Brivibas gatve 439
Riga, Latvia, LV-1024**

ph.: +371 67 18 59 59

fax: +371 67 18 59 58

info@grandeg.lv

FACTORY

**Valdemara iela 99A
Ainazi, Latvia, LV-4035**

ph.: + 371 64 07 11 77

fax: + 371 64 07 11 00

grandeg@grandeg.lv

WWW.GRANDEG.COM