

"ITEM Consult" Ltd. Sofia 1220,
8 Istoria Slavianobulgarska Blvd

EEI ASSURANCE

Product: Biofuel (pellets) heating appliance
Manufacturer: KOZLUSAN ISITMA SISTEMLERI
Model: Lidya 25
Requested by: KOZLUSAN ISITMA SISTEMLERI
Kayalioglu Mahallesi Istiklal Cad. №148/1
Akhisar/Manisa Turkey

Stoking principle: Automatic

Test Fuel: Wood pellets (C1)
Test procedure: EN 14785:2006
Test report no: CPR 093/15.07.2017

Fixed values:

F (1)	Deduction regarding temperature controls	3 [%]
CC	Conversion coefficient for electricity consumption	2.5 [-]
BLF	Biomass label factor	1.45 [-]

Test results:

η_n	Efficiency at nominal heat output	94.20 [%]
η_p	Efficiency at minimum heat output	97.81 [%]
el_{max}	Electricity consumption at nominal heat output	0.025 [kW]
el_{min}	Electricity consumption at minimum heat output	0.012 [kW]
P_{SB}	Electricity consumption in standby mode	0.001 [kW]
P_n	Nominal heat output	27.06 [kW]
P_p	Minimum heat output	6.17 [kW]
H_O	Gross calorific value	19.05 [MJ/kg]
M	Moisture content	5.88 [%]

Calculation of the Energy Efficiency index:

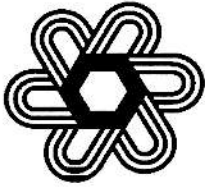
Energy Efficiency:	137.63
Energy Efficiency class:	A++
Energy Efficiency index (EEI)	$125 \leq EEI < 150$

26.8.2017

Executive director:.....

/M. Sc. L. Vasilev /





"ITEM Consult" Ltd. Sofia 1220,
8 Istoria Slavianobulgarska Blvd

EEI ASSURANCE

Product: Solid fuel boiler burning pellets
Manufacturer: Kozlusan Isitma Sistemleri
Model: Lidya Compact 25
Requested by: KOZLUSAN ISITMA SISTEMLERI
Kayalioglu Mahallesi Istiklal Cad. №148/1
Akhisar/Manisa Turkey

Stoking principle: Automatic

Test Fuel: Wood pellets (C1)
Test procedure: EN 303 – 5:2012
Test report no: 007/15.07.2017

Fixed values:

F (1)	Deduction regarding temperature controls	3 [%]
CC	Conversion coefficient for electricity consumption	2.5 [-]
BLF	Biomass label factor	1.45 [-]

Test results:

η_n	Efficiency at nominal heat output	93.33 [%]
η_p	Efficiency at minimum heat output	88.40 [%]
el_{max}	Electricity consumption at nominal heat output	0.022 [kW]
el_{min}	Electricity consumption at minimum heat output	0.013 [kW]
P_{SB}	Electricity consumption in standby mode	0.002 [kW]
P_n	Nominal heat output	26.30 [kW]
P_p	Minimum heat output	5.51 [kW]
H_G	Gross calorific value	19.05 [MJ/kg]
M	Moisture content	5.88 [%]

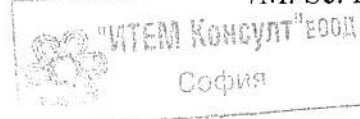
Calculation of the Energy Efficiency index:

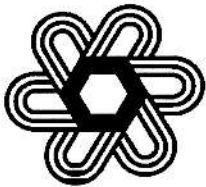
Energy Efficiency:	125.76
Energy Efficiency class:	A++
Energy Efficiency index (EEI)	$125 \leq EEI < 150$

26.8.2017

Executive director:.....

/M. Sc. L. Vasilev





**"ITEM Consult" Ltd. Sofia 1220,
8 Istoria Slavianobulgarska Blvd**

EEI ASSURANCE

Product: Boiler with pellet burner
Manufacturer: Kozlusan - Salih Kozlu - Ecometis, TURKEY
Model: LOGPEL - 25
Requested by: Kozlusan - Salih Kozlu - Ecometis, TURKEY

Stoking principle: Automatic

Test Fuel: Wood pellets (C1)
Test procedure: EN 303 – 5:2012
Test report no: 723 /06.03.2013

Fixed values:

F (1)	Deduction regarding temperature controls	3 [%]
CC	Conversion coefficient for electricity consumption	2.5 [-]
BLF	Biomass label factor	1.45 [-]

Test results:

η_n	Efficiency at nominal heat output	91.02 [%]
η_p	Efficiency at minimum heat output	92.00 [%]
$e_{l_{max}}$	Electricity consumption at nominal heat output	0.021 [kW]
$e_{l_{min}}$	Electricity consumption at minimum heat output	0.012 [kW]
P_{SB}	Electricity consumption in standby mode	0.003 [kW]
P_n	Nominal heat output	22.85 [kW]
P_p	Minimum heat output	5.06 [kW]
H_ϕ	Gross calorific value	17.45 [MJ/kg]
M	Moisture content	7.96 [%]

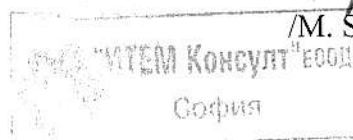
Calculation of the Energy Efficiency index:

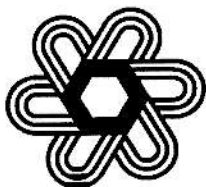
Energy Efficiency:	129.63
Energy Efficiency class:	A++
Energy Efficiency index (EEI)	$125 \leq EEI < 150$

26.8.2017

Executive director:.....

/M. Sc. L. Vasilev /





"ITEM Consult" Ltd. Sofia 1220,
8 Istoria Slavianobulgarska Blvd

EEI ASSURANCE

Product: Boiler with pellet burner
Manufacturer: Kozlusan - Salih Kozlu - Ecometis
Model: LOGPEL - 40
Requested by: Kozlusan - Salih Kozlu - Ecometis

Stoking principle: Automatic

Test Fuel: Wood pellets (C1)
Test procedure: EN 303 – 5:2012
Test report no: 724 /06.03.2013

Fixed values:

F (1)	Deduction regarding temperature controls	3 [%]
CC	Conversion coefficient for electricity consumption	2.5 [-]
BLF	Biomass label factor	1.45 [-]

Test results:

η_n	Efficiency at nominal heat output	91.06 [%]
η_p	Efficiency at minimum heat output	90.09 [%]
$e_{l_{max}}$	Electricity consumption at nominal heat output	0.020 [kW]
$e_{l_{min}}$	Electricity consumption at minimum heat output	0.011 [kW]
P_{SB}	Electricity consumption in standby mode	0.003 [kW]
P_n	Nominal heat output	29.45 [kW]
P_p	Minimum heat output	5.00 [kW]
H_G	Gross calorific value	17.45 [MJ/kg]
M	Moisture content	7.96 [%]

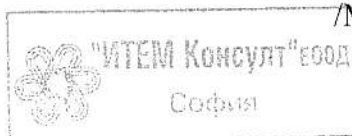
Calculation of the Energy Efficiency index:

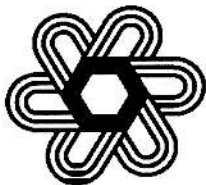
Energy Efficiency:	127.37
Energy Efficiency class:	A++
Energy Efficiency index (EEI)	$125 \leq EEI < 150$

26.8.2017

Executive director:.....

/M. Sc. L. Vasilev /





"ITEM Consult" Ltd. Sofia 1220,
8 Istoria Slavianobulgarska Blvd

EEI ASSURANCE

Product: Boiler with pellet burner
Manufacturer: Salih Kozlu – Kozlusan / Ecometis France
Model: PROPEL 14 / ERA 14
Requested by: Salih Kozlu – Kozlusan / Ecometis France

Stoking principle: Automatic

Test Fuel: Wood pellets (C1)
Test procedure: EN 303 – 5:2012
Test report no: 756 /15.05.2013

Fixed values:

F (1)	Deduction regarding temperature controls	3 [%]
CC	Conversion coefficient for electricity consumption	2.5 [-]
BLF	Biomass label factor	1.45 [-]

Test results:

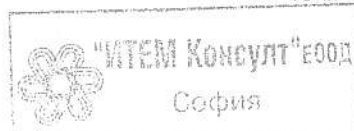
η_n	Efficiency at nominal heat output	92.11 [%]
η_p	Efficiency at minimum heat output	93.20 [%]
$e_{l_{max}}$	Electricity consumption at nominal heat output	0.024 [kW]
$e_{l_{min}}$	Electricity consumption at minimum heat output	0.015 [kW]
P_{SB}	Electricity consumption in standby mode	0.003 [kW]
P_n	Nominal heat output	14.15 [kW]
P_p	Minimum heat output	4.10 [kW]
H_D	Gross calorific value	19.17 [MJ/kg]
M	Moisture content	7.96 [%]

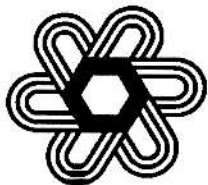
Calculation of the Energy Efficiency index:

Energy Efficiency:	131.00
Energy Efficiency class:	A++
Energy Efficiency index (EEI)	$125 \leq EEI < 150$

26.8.2017

Executive director:.....
/M. Sc. L. Vasilev /





**"ITEM Consult" Ltd. Sofia 1220,
8 Istoria Slavianobulgarska Blvd**

EEI ASSURANCE

Product: Boiler with pellet burner
Manufacturer: Salih Kozlu – Kozlusan / Ecometis France
Model: PROPEL 25 / ERA 25
Requested by: Salih Kozlu – Kozlusan / Ecometis France

Stoking principle: Automatic

Test Fuel: Wood pellets (C1)
Test procedure: EN 303 – 5:2012
Test report no: 757 /22.05.2013

Fixed values:

F (1)	Deduction regarding temperature controls	3 [%]
CC	Conversion coefficient for electricity consumption	2.5 [-]
BLF	Biomass label factor	1.45 [-]

Test results:

η_n	Efficiency at nominal heat output	91.96 [%]
η_p	Efficiency at minimum heat output	92.36 [%]
$e_{l_{max}}$	Electricity consumption at nominal heat output	0.024 [kW]
$e_{l_{min}}$	Electricity consumption at minimum heat output	0.015 [kW]
P_{SB}	Electricity consumption in standby mode	0.003 [kW]
P_n	Nominal heat output	25.28 [kW]
P_p	Minimum heat output	5.08 [kW]
H_O	Gross calorific value	19.17 [MJ/kg]
M	Moisture content	7.96 [%]

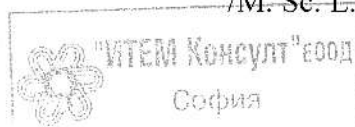
Calculation of the Energy Efficiency index:

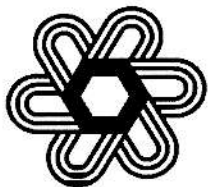
Energy Efficiency:	130.21
Energy Efficiency class:	A++
Energy Efficiency index (EEI)	$125 \leq EEI < 150$

26.8.2017

Executive director:.....

/M. Se. L. Vasilev /





"ITEM Consult" Ltd. Sofia 1220,
8 Istoria Slavianobulgarska Blvd

EEI ASSURANCE

Product: Boiler with pellet burner
Manufacturer: Salih Kozlu – Kozlusan / Ecometis France
Model: PROPEL 40 / ERA 40
Requested by: Salih Kozlu – Kozlusan / Ecometis France

Stoking principle: Automatic

Test Fuel: Wood pellets (C1)
Test procedure: EN 303 – 5:2012
Test report no: 758 /29.05.2013

Fixed values:

F (1)	Deduction regarding temperature controls	3 [%]
CC	Conversion coefficient for electricity consumption	2.5 [-]
BLF	Biomass label factor	1.45 [-]

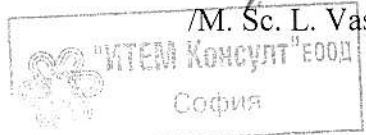
Test results:

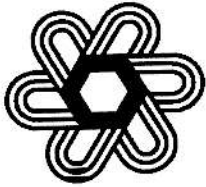
η_n	Efficiency at nominal heat output	92.25 [%]
η_p	Efficiency at minimum heat output	93.36 [%]
$e_{l,max}$	Electricity consumption at nominal heat output	0.021 [kW]
$e_{l,min}$	Electricity consumption at minimum heat output	0.012 [kW]
P_{SB}	Electricity consumption in standby mode	0.001 [kW]
P_n	Nominal heat output	40.65 [kW]
P_p	Minimum heat output	10.27 [kW]
H_D	Gross calorific value	19.17 [MJ/kg]
M	Moisture content	7.96 [%]

Calculation of the Energy Efficiency index:

Energy Efficiency:	131.88
Energy Efficiency class:	A++
Energy Efficiency index (EEI)	$125 \leq EEI < 150$

26.8.2017

Executive director:.....*Vasilev*
/M. Sc. L. Vasilev /




"ITEM Consult" Ltd. Sofia 1220,
8 Istoria Slavianobulgarska Blvd

EEI ASSURANCE

Product: Boiler with pellet burner
Manufacturer: Salih Kozlu – Kozlusan / Ecometis France
Model: SLIMPEL 40
Requested by: Salih Kozlu – Kozlusan / Ecometis France

Stoking principle: Automatic

Test Fuel: Wood pellets (C1)
Test procedure: EN 303 – 5:2012
Test report no: 776 /08.07.2013

Fixed values:

F (I)	Deduction regarding temperature controls	3 [%]
CC	Conversion coefficient for electricity consumption	2.5 [-]
BLF	Biomass label factor	1.45 [-]

Test results:

η_n	Efficiency at nominal heat output	93.59 [%]
η_p	Efficiency at minimum heat output	93.91 [%]
$e_{l_{max}}$	Electricity consumption at nominal heat output	0.020 [kW]
$e_{l_{min}}$	Electricity consumption at minimum heat output	0.011 [kW]
P_{SB}	Electricity consumption in standby mode	0.003 [kW]
P_n	Nominal heat output	41.24 [kW]
P_p	Minimum heat output	10.33 [kW]
H_0	Gross calorific value	19.17 [MJ/kg]
M	Moisture content	7.96 [%]

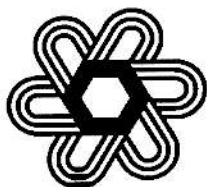
Calculation of the Energy Efficiency index:

Energy Efficiency:	132.83
Energy Efficiency class:	A++
Energy Efficiency index (EEI)	$125 \leq EEI < 150$

26.8.2017

Executive director:.....
/M. Se. L. Vasilev /





"ITEM Consult" Ltd. Sofia 1220,
8 Istoria Slavianobulgarska Blvd

EEI ASSURANCE

Product: Boiler with pellet burner
Manufacturer: Kozlusan - Salih Kozlu - Ecometis
Model: SLIMPEL EASY 25
Requested by: Kozlusan - Salih Kozlu - Ecometis

Stoking principle: Automatic

Test Fuel: Wood pellets (C1)
Test procedure: EN 303 – 5:2012
Test report no: 748 /10.05.2013

Fixed values:

F (1)	Deduction regarding temperature controls	3 [%]
CC	Conversion coefficient for electricity consumption	2.5 [-]
BLF	Biomass label factor	1.45 [-]

Test results:

η_n	Efficiency at nominal heat output	86.98 [%]
η_p	Efficiency at minimum heat output	84.45 [%]
$e_{l_{max}}$	Electricity consumption at nominal heat output	0.023 [kW]
$e_{l_{min}}$	Electricity consumption at minimum heat output	0.015 [kW]
P_{SB}	Electricity consumption in standby mode	0.003 [kW]
P_n	Nominal heat output	24.35 [kW]
P_p	Minimum heat output	5.12 [kW]
H_θ	Gross calorific value	19.17 [MJ/kg]
M	Moisture content	7.96 [%]

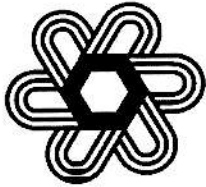
Calculation of the Energy Efficiency index:

Energy Efficiency:	119.38
Energy Efficiency class:	A+
Energy Efficiency index (EEI)	$98 \leq EEI < 125$

26.8.2017

Executive director:.....
/M. Sc. L. Vasilev /





"ITEM Consult" Ltd. Sofia 1220,
8 Istoria Slavianobulgarska Blvd

EEI ASSURANCE

Product: Boiler with pellet burner
Manufacturer: Kozlusan - Salih Kozlu - Ecometis
Model: SLIMPEL EASY 40
Requested by: Kozlusan - Salih Kozlu - Ecometis

Stoking principle: Automatic

Test Fuel: Wood pellets (C1)
Test procedure: EN 303 – 5:2012
Test report no: 749 /17.05.2013

Fixed values:

F (I)	Deduction regarding temperature controls	3 [%]
CC	Conversion coefficient for electricity consumption	2.5 [-]
BLF	Biomass label factor	1.45 [-]

Test results:

η_n	Efficiency at nominal heat output	88.75 [%]
η_p	Efficiency at minimum heat output	86.63 [%]
el_{max}	Electricity consumption at nominal heat output	0.023 [kW]
el_{min}	Electricity consumption at minimum heat output	0.014 [kW]
P_{SB}	Electricity consumption in standby mode	0.004 [kW]
P_n	Nominal heat output	40.90 [kW]
P_p	Minimum heat output	8.23 [kW]
H_Q	Gross calorific value	19.17 [MJ/kg]
M	Moisture content	7.96 [%]

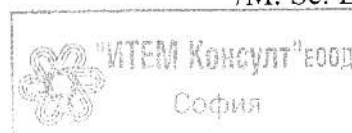
Calculation of the Energy Efficiency index:

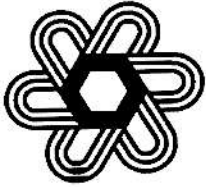
Energy Efficiency:	122.68
Energy Efficiency class:	A+
Energy Efficiency index (EEI)	$98 \leq EEI < 125$

26.8.2017

Executive director:.....

/M. Sc. L. Vasilev /





"ITEM Consult" Ltd. Sofia 1220,
8 Istoria Slavianobulgarska Blvd

EEI ASSURANCE

Product: Boiler with pellet burner
Manufacturer: Kozlusan - Salih Kozlu - Ecometis
Model: SLIMPEL EASY 70
Requested by: Kozlusan - Salih Kozlu - Ecometis

Stoking principle: Automatic

Test Fuel: Wood pellets (C1)
Test procedure: EN 303 – 5:2012
Test report no: 750 /24.05.2013

Fixed values:

F (1)	Deduction regarding temperature controls	3 [%]
CC	Conversion coefficient for electricity consumption	2.5 [-]
BLF	Biomass label factor	1.45 [-]

Test results:

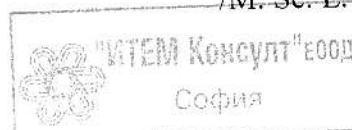
η_n	Efficiency at nominal heat output	86.88 [%]
η_p	Efficiency at minimum heat output	88.75 [%]
$e_{l_{max}}$	Electricity consumption at nominal heat output	0.027 [kW]
$e_{l_{min}}$	Electricity consumption at minimum heat output	0.015 [kW]
P_{SB}	Electricity consumption in standby mode	0.005 [kW]
P_n	Nominal heat output	71.30 [kW]
P_p	Minimum heat output	14.20 [kW]
H_D	Gross calorific value	19.17 [MJ/kg]
M	Moisture content	7.96 [%]

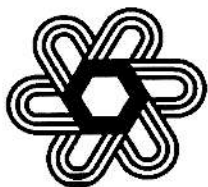
Calculation of the Energy Efficiency index:

Energy Efficiency:	125.02
Energy Efficiency class:	A++
Energy Efficiency index (EEI)	$125 \leq EEI < 150$

26.8.2017

Executive director:.....
/M. Sc. L. Vasilev /





"ITEM Consult" Ltd. Sofia 1220,
8 Istoria Slavianobulgarska Blvd

EEI ASSURANCE

Product: Pellet stove
Manufacturer: Kozlusan - Salih Kozlu
Model: AIR SMARTPEL - 25
Requested by: Kozlusan - Salih Kozlu, Kayalioglu Kasabasi 45200 Akhisar/Manisa

Stoking principle: Automatic

Test Fuel: Wood pellets (C1)
Test procedure: EN 14785:2006
Test report no: 811/20.11.2012

Fixed values:

F (1)	Deduction regarding temperature controls	3 [%]
CC	Conversion coefficient for electricity consumption	2.5 [-]
BLF	Biomass label factor	1.45 [-]

Test results:

η_n	Efficiency at nominal heat output	87.80 [%]
η_p	Efficiency at minimum heat output	84.50 [%]
el_{max}	Electricity consumption at nominal heat output	0.025 [kW]
el_{min}	Electricity consumption at minimum heat output	0.018 [kW]
P_{SB}	Electricity consumption in standby mode	0.003 [kW]
P_n	Nominal heat output	11.00 [kW]
P_p	Minimum heat output	2.50 [kW]
H_Q	Gross calorific value	18.9 [MJ/kg]
M	Moisture content	8.2 [%]

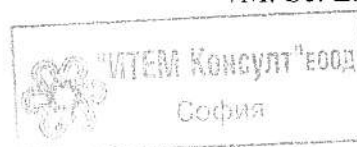
Calculation of the Energy Efficiency index:

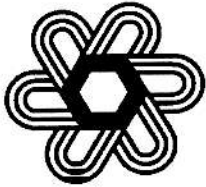
Energy Efficiency:	118.72
Energy Efficiency class:	A+
Energy Efficiency index (EEI)	$98 \leq EEI < 125$

26.8.2017

Executive director:.....

/M. Sc. L. Vasilev /





"ITEM Consult" Ltd. Sofia 1220,
8 Istoria Slavianobulgarska Blvd

EEI ASSURANCE

Product: Biofuel (pellets) heating appliance
Manufacturer: KOZLUSAN ISITMA SISTEMLERI
Model: Hidrosmartpel 17
Requested by: KOZLUSAN ISITMA SISTEMLERI
Kayalioglu Mahallesi Istiklal Cad. №148/1
Akhisar/Manisa Turkey

Stoking principle: Automatic

Test Fuel: Wood pellets (C1)
Test procedure: EN 14785:2006
Test report no: CPR 007/27.10.2015

Fixed values:

F (1)	Deduction regarding temperature controls	3 [%]
CC	Conversion coefficient for electricity consumption	2.5 [-]
BLF	Biomass label factor	1.45 [-]

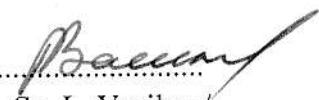
Test results:

η_{in}	Efficiency at nominal heat output	86.88 [%]
η_p	Efficiency at minimum heat output	76.87 [%]
$e_{l_{max}}$	Electricity consumption at nominal heat output	0.019 [kW]
$e_{l_{min}}$	Electricity consumption at minimum heat output	0.011 [kW]
P_{SB}	Electricity consumption in standby mode	0.003 [kW]
P_n	Nominal heat output	17.60 [kW]
P_p	Minimum heat output	5.67 [kW]
H_o	Gross calorific value	19.17 [MJ/kg]
M	Moisture content	7.96 [%]

Calculation of the Energy Efficiency index:

Energy Efficiency:	110.10
Energy Efficiency class:	A+
Energy Efficiency index (EEI)	$98 \leq EEI < 125$

26.8.2017

Executive director: 
/M. Sc. L. Vasilev /

