WE ARE BiAL

EVERYTHING IN PLACE

MADE IN EUROPE

a Family Company, Since 1995

CODE GENERATION
INSTRUCTIONS

GÉNÉRER LE CODE, LE MODE D'EMPLOI
GENERAZIONE DEL CODICE, ISTRUZIONI
GENEROWANIE KODU, INSTRUKCJE
GENERIRANJE KODE, NAVODILA
CODEGENERIERUNG, ANWEISUNGEN

ГЕНЕРАЦИЯ КОДА, ИНСТРУКЦИИ
GENERACIÓN DE CÓDIGO, INSTRUCCIONES
GENERISANJE KODA, UPUTSTVA
GENERIRANJE KODA, UPUTE

PRODUCT

1 RADIATOR
2 CONFIGURATION
3 ACCESSORRIES
5 WALL BRACKETS
6 ELECTRICAL HEATERS
8 VALVES

3 Q XXX YYYY ZZ

COLOUR

01 white
02 antracite
03 sandy
04 platinum
05 chrome
06 black
07 transparent white

COLOUR COMBINATION

12 white/anthracite
23 anthracite/beige
14 white/platinum

DIMENSION

L/H or P
e.g.4513=450x1374 mm
e.g.0600=600W

PRODUCT TYPE

Naložbo sofinancirata Republika Slovenija in Evropska unija iz Evropskega sklada za regionalni razvoj (ESRR).

TREND

BiAL

EVERYTHING IN PLACE

TUBE RADIATOR
ALTA

BiAL
EVERYTHING IN PLACE

DESIGN YOUR OWN SOLUTION

Available in all BIAL colours

BIAL design valves

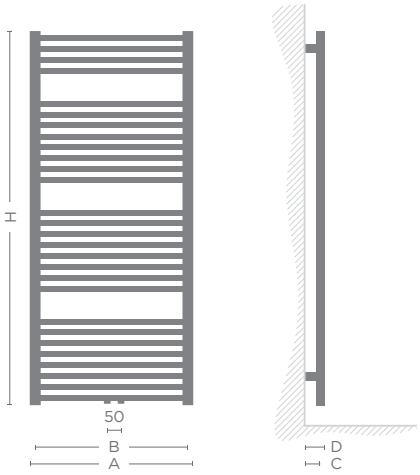
Electric heater with 2-hour drying function

CODE GENERATOR

TUBE RADIATOR: ALTA

BiAL
EVERYTHING IN PLACE

ORDER GENERATOR TUBE RADIATOR 31 XXX YYYY ZZ



YYYY	A (mm)	H (mm)	B (mm)	C (mm)	D (mm)	m (kg)	n exp.	(Watt)	(Watt)
4509	450	974	400 / 50	70-90	85-105	7.47	1.2644	388	400
4513	450	1374	400 / 50	70-90	85-105	10.47	1.2366	583	600
4516	450	1694	400 / 50	70-90	85-105	13.07	1.2461	718	800
6009	600	974	550 / 50	70-90	85-105	9.34	1.2562	521	600
6013	600	1374	550 / 50	70-90	85-105	12.92	1.2387	751	800
6016	600	1694	550 / 50	70-90	85-105	15.66	1.2467	916	800
7509	750	974	700 / 50	70-90	85-105	11.27	1.2461	655	600
7513	750	1374	700 / 50	70-90	85-105	15.77	1.2409	919	800
7516	750	1694	700 / 50	70-90	85-105	19.07	1.2472	1113	1000

ALTA midd XXX= **022**

ALTA XXX= **021**

ZZ	01	02	03	04
	white	anthracite	sandy	platinum

ORDER GENERATOR ELECTRIC HEATER 26 XXX YYYY ZZ

typ ILS
230V, 50Hz,
IPX5, class II

26 005 YYYY ZZ

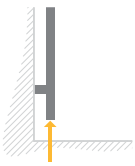
typ ELS
230V, 50Hz,
IPX5, class I

26 006 YYYY ZZ

YYYY	0400	0600	0800	1000
Watt	400	600	800	1000

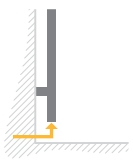
ZZ	01	05	06
	white	chrome	black

ORDER GENERATOR VALVE 28 XXX YYYY ZZ



28 001 002 ZZ

28 002 002 ZZ



28 001 001 ZZ

28 002 001 ZZ

28 006 001 ZZ

ZZ	01	05
	white	chrome

28 005 001 ZZ

28 003 001 ZZ

28 004 001 ZZ

TUBE RADIATOR
SORA

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EVERYTHING IN PLACE

DESIGN YOUR OWN SOLUTION

Oval design

Available in all BIAL colours

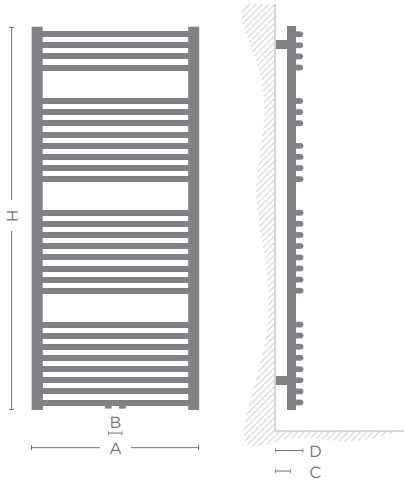
Electric heater with 2-hour drying function

CODE GENERATOR

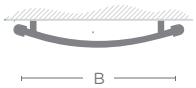
TUBE RADIATOR: SORA

BiAL
EVERYTHING IN PLACE

ORDER GENERATOR TUBE RADIATOR 31 XXX YYYY ZZ



YYYY	A (mm)	H (mm)	B (mm)	C (mm)	D (mm)	m (kg)	n exp.	(Watt)	(Watt)
4509	450	974	395 / 50	60 /95	105-125	7.47	1.2644	388	400
4513	450	1374	395 / 50	60 / 95	105-125	10.47	1.2366	583	600
4516	450	1694	395 / 50	60 / 95	105-125	13.07	1.2461	718	800
6009	600	974	545 / 50	60 / 100	115-135	9.34	1.2562	521	600
6013	600	1374	545 / 50	60 / 100	115-135	12.92	1.2387	751	800
6016	600	1694	545 / 50	60 / 100	115-135	15.66	1.2467	916	800
7509	750	974	695 / 50	60 / 110	120-140	11.27	1.2461	655	600
7513	750	1374	695 / 50	60 / 110	120-140	15.77	1.2409	919	800
7516	750	1694	695 / 50	60 / 110	120-140	19.07	1.2472	1113	1000



ZZ	01	02	03	04
	white	anthracite	sandy	platinum

SORA XXX= 021

SORA midd XXX= 022

5 YEARS GUARANTEE

CE EN 442 Fe

ORDER GENERATOR ELECTRIC HEATER 26 XXX YYYY ZZ

typ ILS
230V, 50Hz,
IPX5, class II

26 005 YYYY ZZ

typ ELS
230V, 50Hz,
IPX5, class I

26 006 YYYY ZZ

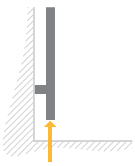
YYYY	0400	0600	0800	1000
Watt	400	600	800	1000

ZZ	01	05	06
	white	chrome	black

2 YEARS GUARANTEE

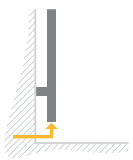
CE 2h

ORDER GENERATOR VALVE 28 XXX YYYY ZZ



28 001 002 ZZ

28 002 002 ZZ



28 001 001 ZZ

28 002 001 ZZ

28 006 001 ZZ

ZZ	01	05
	white	chrome

28 005 001 ZZ

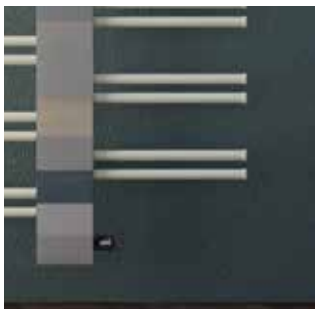
28 003 001 ZZ

28 004 001 ZZ

DESIGN RADIATOR
A100

BiAL
EVERYTHING IN PLACE

DESIGN YOUR OWN SOLUTION



Available in all BIAL colours

BIAL design valves

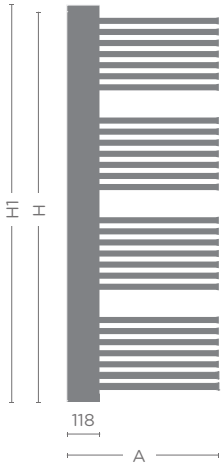
Electric heater with 2-hour drying function

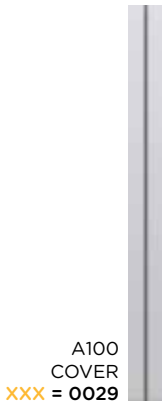
CODE GENERATOR

DESIGN RADIATOR A100

BiAL
EVERYTHING IN PLACE

ORDER GENERATOR DESIGN RADIATOR A100 — 31 XXX YYYY ZZ



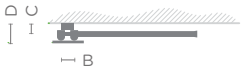


A100
COVER
XXX = 0029

A100
ZEN
XXX = 031

A100
MIRROR
XXX = 030

A100
LINES
XXX = 032



ZZ	01	02	03	04	05
	white	anthracite	sandy	platinum	chrome

YYYY	A (mm)	H (mm)	H1 (mm)	B (mm)	C (mm)	D (mm)	m (kg)	n exp.	(Watt)	(Watt)
5313	550	1374	1407	50	48 / 68	80 / 100	17.44	1.2836	614	600
5316	550	1694	1730	50	48 / 68	80 / 100	20.67	1.2969	793	800

5 YEARS WARRANTY

CE EN 442 Fe

ORDER GENERATOR ELECTRIC HEATER — 26 XXX YYYY ZZ

typ ILS
230V, 50Hz,
IPX5, class II

26 005 YYYY ZZ

typ ELS
230V, 50Hz,
IPX5, class I

26 006 YYYY ZZ

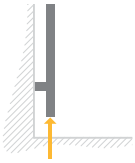
YYYY	0400	0600	0800	1000
Watt	400	600	800	1000

ZZ	01	05	06
	white	chrome	black

2 YEARS WARRANTY

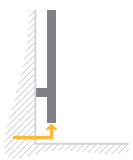
CE 2h

ORDER GENERATOR VALVE — 28 XXX YYYY ZZ



28 001 002 ZZ

28 002 002 ZZ



28 001 001 ZZ

28 002 001 ZZ

28 006 001 ZZ

ZZ	01	05
	white	chrome

28 005 001 ZZ

28 003 001 ZZ

28 004 001 ZZ

DESIGN RADIATOR
A200

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EVERYTHING IN PLACE

DESIGN YOUR OWN SOLUTION

Available in all BIAL colours

BIAL design valves

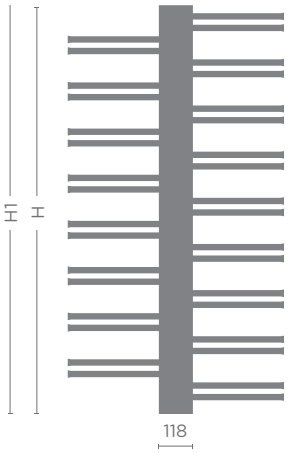
BIAL design cover masks

CODE GENERATOR

DESIGN RADIATOR A200

BiAL
EVERYTHING IN PLACE

ORDER GENERATOR DESIGN RADIATOR A200 — 31 XXX YYYY ZZ

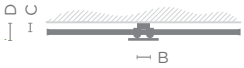


A200
COVER
XXX = 005

A200
ZEN
XX = 007

A200
MIRROR
XXX = 006

A200
LINES
XXX = 008



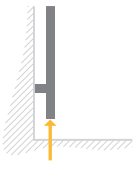
ZZ	01	02	03	04
	white	anthracite	sandy	platinum

YYYY	A (mm)	H (mm)	H1 (mm)	B (mm)	C (mm)	D (mm)	m (kg)	P (Watt)
7513	750	1374	1407	50	48-68	80-100	18,27	625
7516	750	1694	1730	50	48-68	80-100	22.23	770

5 YEARS GUARANTEE

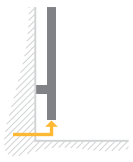
CE EN 442 Fe

ORDER GENERATOR VALVE — 28 XXX YYYY ZZ



28 001 002 ZZ

28 002 002 ZZ



28 001 001 ZZ

28 002 001 ZZ

28 006 001 ZZ

ZZ	01	05
	white	chrome

28 005 001 ZZ

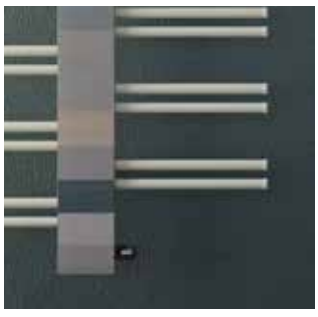
28 003 001 ZZ

28 004 001 ZZ

DESIGN RADIATOR
A300

BiAL
EVERYTHING IN PLACE

DESIGN YOUR OWN SOLUTION



Available in all BIAL colours

BIAL design thermostatic heads

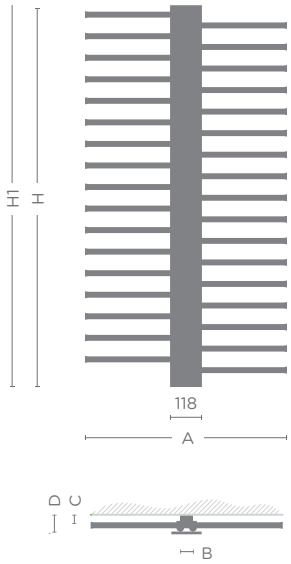
BIAL design cover masks

CODE GENERATOR

DESIGN RADIATOR A300

BiAL
EVERYTHING IN PLACE

ORDER GENERATOR DESIGN RADIATOR A300 — 31 XXX YYYY ZZ



A300
COVER
XXX = 009

A300
ZEN
XX = 011

A300
MIRROR
XXX = 010

A300
LINES
XXX = 012

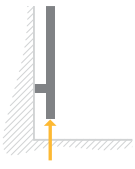
ZZ	01	02	03	04
	white	anthracite	sandy	platinum

YYYY	A (mm)	H (mm)	H1 (mm)	B (mm)	C (mm)	D (mm)	m (kg)	(Watt)
7513	750	1374	1407	50	48-68	80-100	17,34	646
7516	750	1694	1730	50	48-68	80-100	20,27	801

5 YEARS GUARANTEE

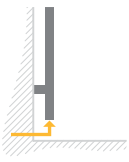
CE EN 442 Fe

ORDER GENERATOR VALVE — 28 XXX YYYY ZZ



28 001 002 ZZ

28 002 002 ZZ



28 001 001 ZZ

28 002 001 ZZ

28 006 001 ZZ

ZZ	01	05
	white	chrome

28 005 001 ZZ

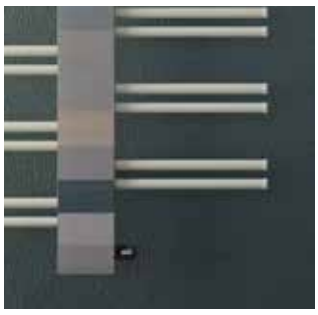
28 003 001 ZZ

28 004 001 ZZ

DESIGN RADIATOR
OVAL

BiAL
EVERYTHING IN PLACE

DESIGN YOUR OWN SOLUTION



Available in all BIAL colours

BIAL design thermostatic heads

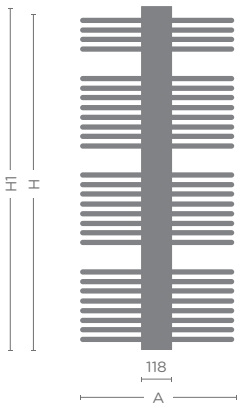
BIAL design cover masks

CODE GENERATOR

DESIGN RADIATOR OVAL

BiAL
EVERYTHING IN PLACE

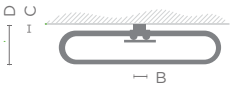
ORDER GENERATOR OVAL — 31 XXX YYYY ZZ



OVAL
COVER
XXX = 033

OVAL
ZEN
XX = 034

OVAL
LINES
XXX = 035



ZZ	01	02	03	04
	white	anthracite	sandy	platinum

YYYY	A (mm)	H (mm)	H1 (mm)	B (mm)	C (mm)	D (mm)	m (kg)	n exp.	(Watt)	(Watt)
6013	600	1374	1407	50	48-68	175-195	19.44	1.2731	1310	1000
6016	600	1694	1730	50	48-68	175-195	26.61	1.2813	1545	1000

ORDER GENERATOR ELECTRIC HEATER — 26 XXX YYYY ZZ

typ ILS
230V, 50Hz,
IPX5, class II

26 005 YYYY ZZ

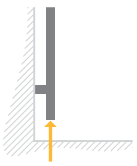
typ ELS
230V, 50Hz,
IPX5, class I

26 006 YYYY ZZ

YYYY	0400	0600	0800	1000
Watt	400	600	800	1000

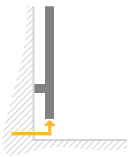
ZZ	01	05	06
	white	chrome	black

ORDER GENERATOR VALVE — 28 XXX YYYY ZZ



28 001 002 ZZ

28 002 002 ZZ



28 001 001 ZZ

28 002 001 ZZ

28 006 001 ZZ

ZZ	01	05
	white	chrome

28 005 001 ZZ

28 003 001 ZZ

28 004 001 ZZ

SMART

BiAL

EVERYTHING IN PLACE

CONFIGURATION SMART
RAIL S

BiAL
EVERYTHING IN PLACE

DESIGN YOUR OWN CONFIGURATION

BIAL accessories - more space for your towels

BIAL design valves

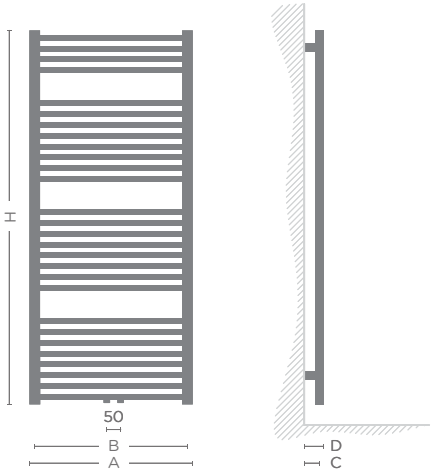
Available in all BIAL colours

CODE GENERATOR

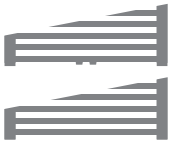
CONFIGURATION SMART: RAIL S

BiAL
EVERYTHING IN PLACE

ORDER GENERATOR TUBE RADIATOR 31 XXX YYYY ZZ



YYYY	A (mm)	H (mm)	B (mm)	C (mm)	D (mm)	m (kg)	n exp.	(Watt)	(Watt)
4509	450	974	400 / 50	70-90	85-105	7.47	1.2644	388	400
4513	450	1374	400 / 50	70-90	85-105	10.47	1.2366	583	600
4516	450	1694	400 / 50	70-90	85-105	13.07	1.2461	718	800
6009	600	974	550 / 50	70-90	85-105	9.34	1.2562	521	600
6013	600	1374	550 / 50	70-90	85-105	12.92	1.2387	751	800
6016	600	1694	550 / 50	70-90	85-105	15.66	1.2467	916	800
7509	750	974	700 / 50	70-90	85-105	11.27	1.2461	655	600
7513	750	1374	700 / 50	70-90	85-105	15.77	1.2409	919	800
7516	750	1694	700 / 50	70-90	85-105	19.07	1.2472	1113	1000

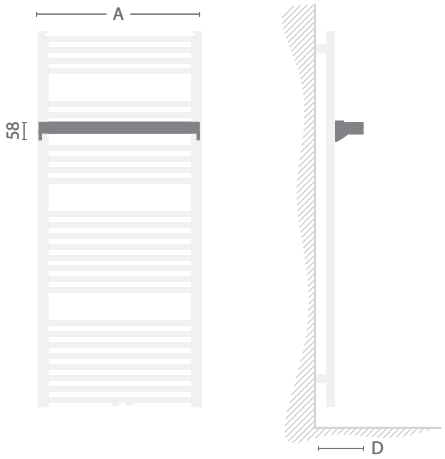


ALTA midd XXX= **022**

ALTA XXX= **021**

ZZ	01	02	03	04
	white	anthracite	sandy	platinum

ORDER GENERATOR ACCESSORIES SET: RAIL S 33 002 YYYY ZZ



YYYY	A (mm)	D (mm)	m (kg)
4500	450	295-315	2.87
6000	600	295-315	3.16
7500	750	295-315	3.45

ZZ	01	02	03	04
	white	anthracite	sandy	platinum

ELECTRIC HEATER

typ ILS
230V, 50Hz,
IPX5, class II

26 005 YYYY ZZ

typ ELS
230V, 50Hz,
IPX5, class I

26 006 YYYY ZZ

YYYY	0400	0600	0800	1000
Watt	400	600	800	1000

ZZ	01	05	06
	white	chrome	black

VALVE

28 001 001 ZZ

28 002 001 ZZ

28 005 001 ZZ

28 006 001 ZZ

ZZ	01	05
	white	chrome

CONFIGURATION SMART
SHELF

BiAL
EVERYTHING IN PLACE

DESIGN YOUR OWN CONFIGURATION

Electric heater with
2-hour drying function

Smart accessories: BOX

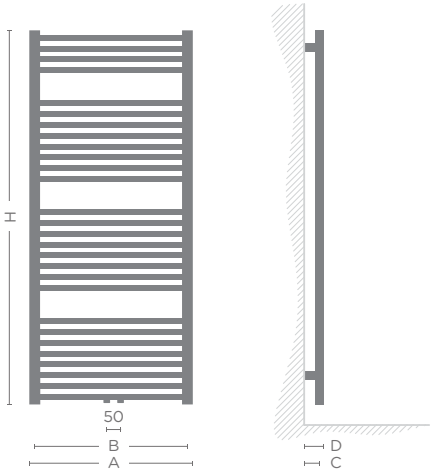
BIAL design valves

CODE GENERATOR

CONFIGURATION SMART: SHELF

BiAL
EVERYTHING IN PLACE

ORDER GENERATOR TUBE RADIATOR 31 XXX YYYY ZZ



YYYY	A (mm)	H (mm)	B (mm)	C (mm)	D (mm)	m (kg)	n exp.	(Watt)	(Watt)
4509	450	974	400 / 50	70-90	85-105	7.47	1.2644	388	400
4513	450	1374	400 / 50	70-90	85-105	10.47	1.2366	583	600
4516	450	1694	400 / 50	70-90	85-105	13.07	1.2461	718	800
6009	600	974	550 / 50	70-90	85-105	9.34	1.2562	521	600
6013	600	1374	550 / 50	70-90	85-105	12.92	1.2387	751	800
6016	600	1694	550 / 50	70-90	85-105	15.66	1.2467	916	800
7509	750	974	700 / 50	70-90	85-105	11.27	1.2461	655	600
7513	750	1374	700 / 50	70-90	85-105	15.77	1.2409	919	800
7516	750	1694	700 / 50	70-90	85-105	19.07	1.2472	1113	1000

ALTA midd XXX= **022**

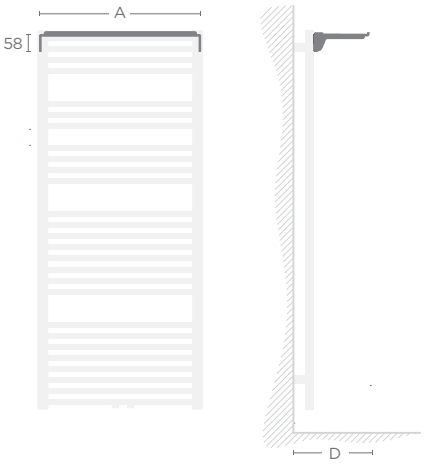
ALTA XXX= **021**

ZZ	01	02	03	04
	white	anthracite	sandy	platinum

5 YEARS WARRANTY

CE EN 442 Fe

ORDER GENERATOR ACCESSORIES SET: SHELF 33 001 YYYY ZZ



YYYY	A (mm)	D (mm)	m (kg)
4500	450	295-315	0.72
6000	600	295-315	0.97
7500	750	295-315	1.23

ZZ	01	02	03	04
	white	anthracite	sandy	platinum

5 YEARS WARRANTY

CE AI

ELECTRIC HEATER

typ ILS
230V, 50Hz,
IPX5, class II

26 005 YYYY ZZ

typ ELS
230V, 50Hz,
IPX5, class I

26 006 YYYY ZZ

YYYY	0400	0600	0800	1000
Watt	400	600	800	1000

ZZ	01	05	06
	white	chrome	black

2 YEARS WARRANTY

CE 2h

VALVE

28 001 001 ZZ

28 002 001 ZZ

28 005 001 ZZ

28 006 001 ZZ

ZZ	01	05
	white	chrome

CONFIGURATION SMART
DUO

BiAL
EVERYTHING IN PLACE

DESIGN YOUR OWN CONFIGURATION

Available in all BIAL colours

Smart accessoriess: BOX

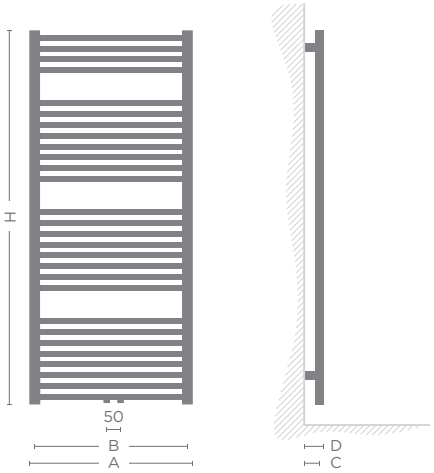
Electric heater with 2-hour drying function

CODE GENERATOR

CONFIGURATION SMART: DUO

BiAL
EVERYTHING IN PLACE

ORDER GENERATOR TUBE RADIATOR 31 XXX YYYY ZZ



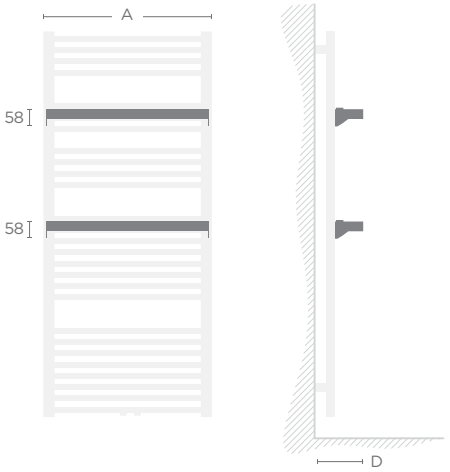
YYYY	A (mm)	H (mm)	B (mm)	C (mm)	D (mm)	m (kg)	n exp.	(Watt)	(Watt)
4509	450	974	400 / 50	70-90	85-105	7.47	1.2644	388	400
4513	450	1374	400 / 50	70-90	85-105	10.47	1.2366	583	600
4516	450	1694	400 / 50	70-90	85-105	13.07	1.2461	718	800
6009	600	974	550 / 50	70-90	85-105	9.34	1.2562	521	600
6013	600	1374	550 / 50	70-90	85-105	12.92	1.2387	751	800
6016	600	1694	550 / 50	70-90	85-105	15.66	1.2467	916	800
7509	750	974	700 / 50	70-90	85-105	11.27	1.2461	655	600
7513	750	1374	700 / 50	70-90	85-105	15.77	1.2409	919	800
7516	750	1694	700 / 50	70-90	85-105	19.07	1.2472	1113	1000

ALTA midd XXX= **022**

ALTA XXX= **021**

ZZ	01	02	03	04
	white	anthracite	sandy	platinum

ORDER GENERATOR ACCESSORIES SET: DUO 33 033 YYYY ZZ



YYYY	A (mm)	D (mm)	m (kg)
4500	450	295-315	1.36
6000	600	295-315	2.1
7500	750	295-315	2.39

ZZ	01	02	03	04
	white	anthracite	sandy	platinum

ELECTRIC HEATER

typ ILS
230V, 50Hz,
IPX5, class II

26 005 YYYY ZZ

typ ELS
230V, 50Hz,
IPX5, class I

26 006 YYYY ZZ

YYYY	0400	0600	0800	1000
Watt	400	600	800	1000

ZZ	01	05	06
	white	chrome	black

VALVE

28 001 001 ZZ

28 002 001 ZZ

28 005 001 ZZ

28 006 001 ZZ

ZZ	01	05
	white	chrome

CONFIGURATION SMART HOME

BiAL
EVERYTHING IN PLACE

DESIGN YOUR OWN CONFIGURATION

Available in all BIAL colours

Smart accessoriess: DRYER

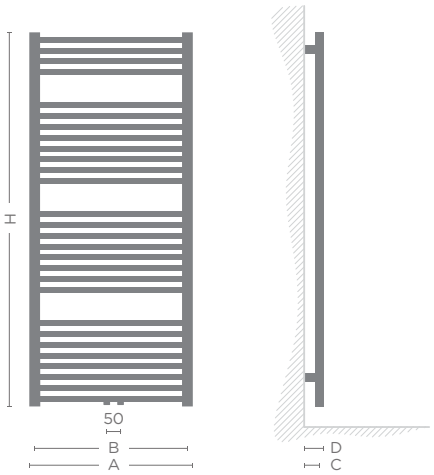
BIAL design valves

CODE GENERATOR

CONFIGURATION SMART: HOME

BiAL
EVERYTHING IN PLACE

ORDER GENERATOR TUBE RADIATOR 31 XXX YYYY ZZ



YYYY	A (mm)	H (mm)	B (mm)	C (mm)	D (mm)	m (kg)	n exp.	(Watt)	(Watt)
4509	450	974	400 / 50	70-90	85-105	7.47	1.2644	388	400
4513	450	1374	400 / 50	70-90	85-105	10.47	1.2366	583	600
4516	450	1694	400 / 50	70-90	85-105	13.07	1.2461	718	800
6009	600	974	550 / 50	70-90	85-105	9.34	1.2562	521	600
6013	600	1374	550 / 50	70-90	85-105	12.92	1.2387	751	800
6016	600	1694	550 / 50	70-90	85-105	15.66	1.2467	916	800
7509	750	974	700 / 50	70-90	85-105	11.27	1.2461	655	600
7513	750	1374	700 / 50	70-90	85-105	15.77	1.2409	919	800
7516	750	1694	700 / 50	70-90	85-105	19.07	1.2472	1113	1000

ALTA midd XXX= **022**

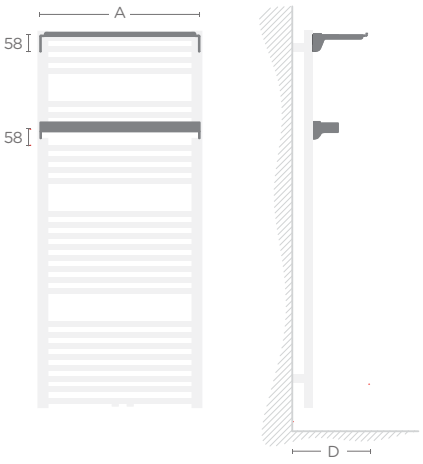
ALTA XXX= **021**

ZZ	01	02	03	04
	white	anthracite	sandy	platinum

5 YEARS WARRANTY

CE EN 442 Fe

ORDER GENERATOR ACCESSORIES SET: HOME 33 015 YYYY ZZ



YYYY	A (mm)	D (mm)	m (kg)
4500	450	295-315	0.91
6000	600	295-315	1.2
7500	750	295-315	1.49

ZZ	01	02	03	04
	white	anthracite	sandy	platinum

5 YEARS WARRANTY

CE AI

ELECTRIC HEATER

typ ILS
230V, 50Hz,
IPX5, class II

26 005 YYYY ZZ

typ ELS
230V, 50Hz,
IPX5, class I

26 006 YYYY ZZ

YYYY	0400	0600	0800	1000
Watt	400	600	800	1000

ZZ	01	05	06
	white	chrome	black

2 YEARS WARRANTY

CE 2h

VALVE

28 001 001 ZZ

28 002 001 ZZ

28 005 001 ZZ

28 006 001 ZZ

ZZ	01	05
	white	chrome

CONFIGURATION SMART TWO

BiAL
EVERYTHING IN PLACE

DESIGN YOUR OWN CONFIGURATION

Available in all BIAL colours

Smart accessoriess: BOX

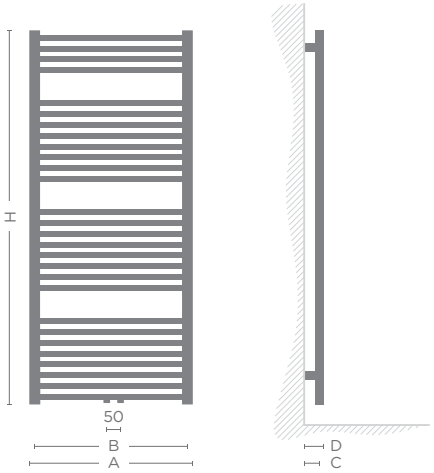
Electric heater with 2-hour drying function

CODE GENERATOR

CONFIGURATION SMART: TWO

BiAL
EVERYTHING IN PLACE

ORDER GENERATOR TUBE RADIATOR 31 XXX YYYY ZZ



YYYY	A (mm)	H (mm)	B (mm)	C (mm)	D (mm)	m (kg)	n exp.	(Watt)	(Watt)
4509	450	974	400 / 50	70-90	85-105	7.47	1.2644	388	400
4513	450	1374	400 / 50	70-90	85-105	10.47	1.2366	583	600
4516	450	1694	400 / 50	70-90	85-105	13.07	1.2461	718	800
6009	600	974	550 / 50	70-90	85-105	9.34	1.2562	521	600
6013	600	1374	550 / 50	70-90	85-105	12.92	1.2387	751	800
6016	600	1694	550 / 50	70-90	85-105	15.66	1.2467	916	800
7509	750	974	700 / 50	70-90	85-105	11.27	1.2461	655	600
7513	750	1374	700 / 50	70-90	85-105	15.77	1.2409	919	800
7516	750	1694	700 / 50	70-90	85-105	19.07	1.2472	1113	1000

ALTA midd XXX= **022**

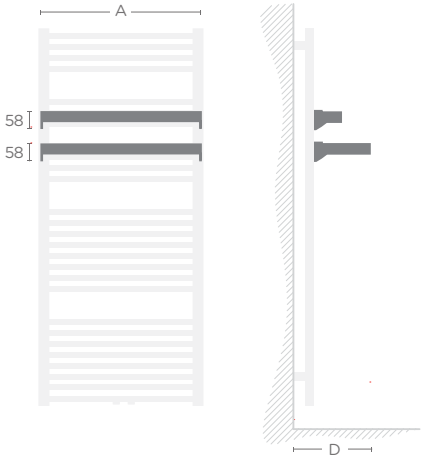
ALTA XXX= **021**

ZZ	01	02	03	04
	white	anthracite	sandy	platinum

5 YEARS WARRANTY

CE EN 442 Fe

ORDER GENERATOR ACCESSORIES SET: TWO 33 032 YYYY ZZ



YYYY	A (mm)	D (mm)	m (kg)
4500	450	295-315	0.91
6000	600	295-315	1.2
7500	750	295-315	1.49

ZZ	01	02	03	04
	white	anthracite	sandy	platinum

5 YEARS WARRANTY

CE AI

ELECTRIC HEATER

typ ILS
230V, 50Hz,
IPX5, class II

26 005 YYYY ZZ

typ ELS
230V, 50Hz,
IPX5, class I

26 006 YYYY ZZ

YYYY	0400	0600	0800	1000
Watt	400	600	800	1000

ZZ	01	05	06
	white	chrome	black

2 YEARS WARRANTY

CE 2h

VALVE

28 001 001 ZZ

28 002 001 ZZ

28 005 001 ZZ

28 006 001 ZZ

ZZ	01	05
	white	chrome

CONFIGURATION SMART FAMILY

BiAL
EVERYTHING IN PLACE

DESIGN YOUR OWN CONFIGURATION

Available in all BIAL colours

BIAL design valves

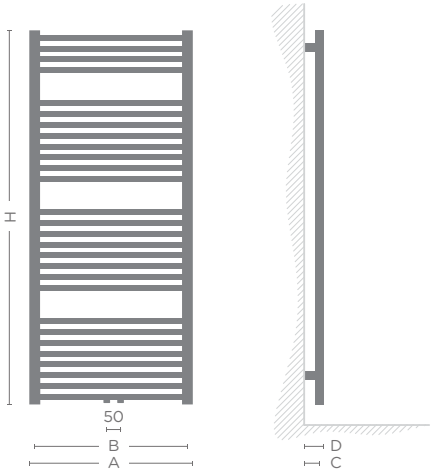
Electric heater with 2-hour drying function

CODE GENERATOR

CONFIGURATION SMART: FAMILY

BiAL
EVERYTHING IN PLACE

ORDER GENERATOR TUBE RADIATOR 31 XXX YYYY ZZ



YYYY	A (mm)	H (mm)	B (mm)	C (mm)	D (mm)	m (kg)	n exp.	(Watt)	(Watt)
4509	450	974	400 / 50	70-90	85-105	7.47	1.2644	388	400
4513	450	1374	400 / 50	70-90	85-105	10.47	1.2366	583	600
4516	450	1694	400 / 50	70-90	85-105	13.07	1.2461	718	800
6009	600	974	550 / 50	70-90	85-105	9.34	1.2562	521	600
6013	600	1374	550 / 50	70-90	85-105	12.92	1.2387	751	800
6016	600	1694	550 / 50	70-90	85-105	15.66	1.2467	916	800
7509	750	974	700 / 50	70-90	85-105	11.27	1.2461	655	600
7513	750	1374	700 / 50	70-90	85-105	15.77	1.2409	919	800
7516	750	1694	700 / 50	70-90	85-105	19.07	1.2472	1113	1000

ALTA midd XXX= **022**

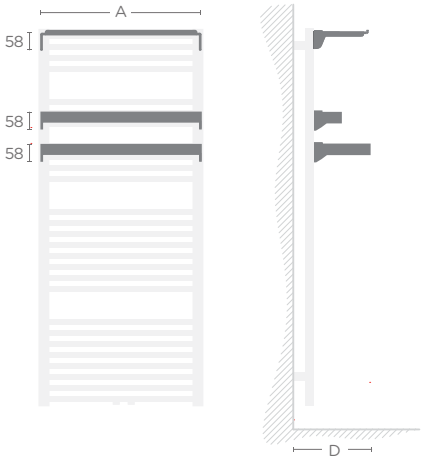
ALTA XXX= **021**

ZZ	01	02	03	04
	white	anthracite	sandy	platinum

5 YEARS WARRANTY

CE EN 442 Fe

ORDER GENERATOR ACCESSORIES SET: FAMILY 33 014 YYYY ZZ



YYYY	A (mm)	D (mm)	m (kg)
4500	450	295-315	1.13
6000	600	295-315	1.46
7500	750	295-315	1.78

ZZ	01	02	03	04
	white	anthracite	sandy	platinum

5 YEARS WARRANTY

CE AI

ELECTRIC HEATER

typ ILS
230V, 50Hz,
IPX5, class II

26 005 YYYY ZZ

typ ELS
230V, 50Hz,
IPX5, class I

26 006 YYYY ZZ

YYYY	0400	0600	0800	1000
Watt	400	600	800	1000

ZZ	01	05	06
	white	chrome	black

2 YEARS WARRANTY

CE 2h

VALVE

28 001 001 ZZ

28 002 001 ZZ

28 005 001 ZZ

28 006 001 ZZ

ZZ	01	05
	white	chrome

CONFIGURATION SMART
PASSION

BiAL
EVERYTHING IN PLACE

DESIGN YOUR OWN CONFIGURATION

Available in all BIAL colours

BIAL design valves

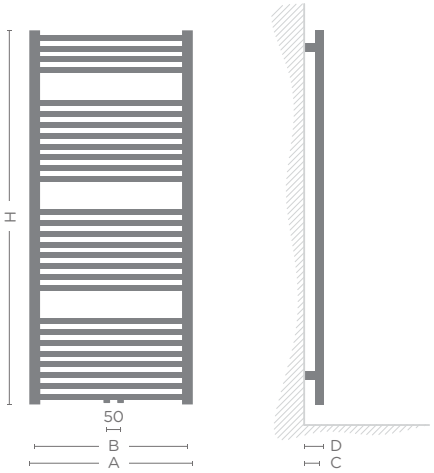
Electric heater with 2-hour drying function

CODE GENERATOR

CONFIGURATION SMART: **PASSION**

BiAL
EVERYTHING IN PLACE

ORDER GENERATOR TUBE RADIATOR 31 XXX YYYY ZZ



YYYY	A (mm)	H (mm)	B (mm)	C (mm)	D (mm)	m (kg)	n exp.	(Watt)	(Watt)
4509	450	974	400 / 50	70-90	85-105	7.47	1.2644	388	400
4513	450	1374	400 / 50	70-90	85-105	10.47	1.2366	583	600
4516	450	1694	400 / 50	70-90	85-105	13.07	1.2461	718	800
6009	600	974	550 / 50	70-90	85-105	9.34	1.2562	521	600
6013	600	1374	550 / 50	70-90	85-105	12.92	1.2387	751	800
6016	600	1694	550 / 50	70-90	85-105	15.66	1.2467	916	800
7509	750	974	700 / 50	70-90	85-105	11.27	1.2461	655	600
7513	750	1374	700 / 50	70-90	85-105	15.77	1.2409	919	800
7516	750	1694	700 / 50	70-90	85-105	19.07	1.2472	1113	1000

ALTA midd XXX= **022**

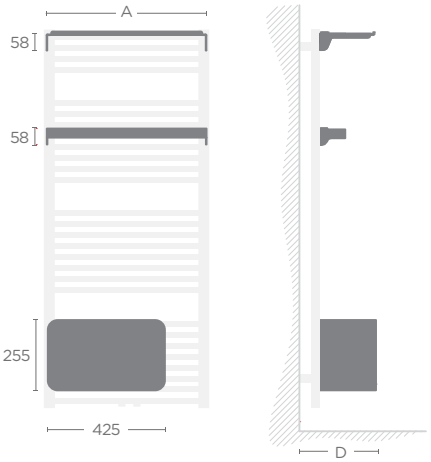
ALTA XXX= **021**

ZZ	01	02	03	04
	white	anthracite	sandy	platinum

5 YEARS WARRANTY

CE EN 442 Fe

ORDER GENERATOR ACCESSORIES SET: PASSION 33 011 YYYY ZZ



YYYY	A (mm)	D (mm)	m (kg)
4500	450	295-315	2.87
6000	600	295-315	3.16
7500	750	295-315	3.45

ZZ	01	02	03	04
	white	anthracite	sandy	platinum

5 YEARS WARRANTY

CE AI

ELECTRIC HEATER

typ ILS
230V, 50Hz,
IPX5, class II

26 005 YYYY ZZ

typ ELS
230V, 50Hz,
IPX5, class I

26 006 YYYY ZZ

YYYY	0400	0600	0800	1000
Watt	400	600	800	1000

ZZ	01	05	06
	white	chrome	black

2 YEARS WARRANTY

CE 2h

VALVE

28 001 001 ZZ

28 002 001 ZZ

28 005 001 ZZ

28 006 001 ZZ

ZZ	01	05
	white	chrome

CONFIGURATION SMART
TRAVEL

BiAL
EVERYTHING IN PLACE

DESIGN YOUR OWN CONFIGURATION

Available in all BIAL colours

Smart accessoriess: DRYER

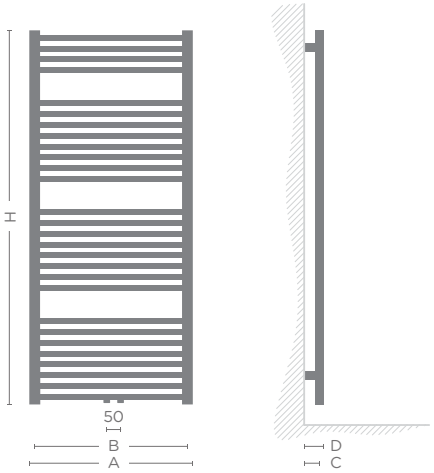
BIAL design valves

CODE GENERATOR

CONFIGURATION SMART: TRAVEL

BiAL
EVERYTHING IN PLACE

ORDER GENERATOR TUBE RADIATOR 31 XXX YYYY ZZ



YYYY	A (mm)	H (mm)	B (mm)	C (mm)	D (mm)	m (kg)	n exp.	(Watt)	(Watt)
4509	450	974	400 / 50	70-90	85-105	7.47	1.2644	388	400
4513	450	1374	400 / 50	70-90	85-105	10.47	1.2366	583	600
4516	450	1694	400 / 50	70-90	85-105	13.07	1.2461	718	800
6009	600	974	550 / 50	70-90	85-105	9.34	1.2562	521	600
6013	600	1374	550 / 50	70-90	85-105	12.92	1.2387	751	800
6016	600	1694	550 / 50	70-90	85-105	15.66	1.2467	916	800
7509	750	974	700 / 50	70-90	85-105	11.27	1.2461	655	600
7513	750	1374	700 / 50	70-90	85-105	15.77	1.2409	919	800
7516	750	1694	700 / 50	70-90	85-105	19.07	1.2472	1113	1000

ALTA midd XXX= **022**

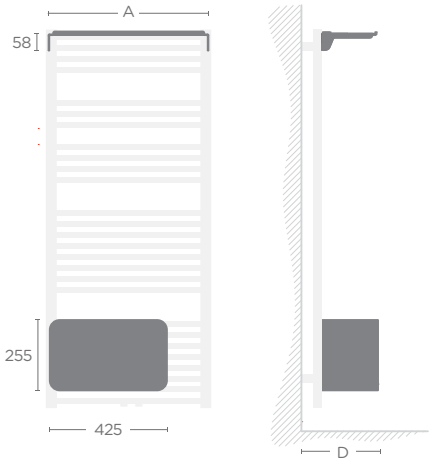
ALTA XXX= **021**

ZZ	01	02	03	04
	white	anthracite	sandy	platinum

5 YEARS WARRANTY

CE EN 442 Fe

ORDER GENERATOR ACCESSORIES SET: TRAVEL 33 012 YYYY ZZ



YYYY	A (mm)	D (mm)	m (kg)
4500	450	295-315	2.68
6000	600	295-315	2.93
7500	750	295-315	3.19

ZZ	01	02	03	04
	white	anthracite	sandy	platinum

5 YEARS WARRANTY

CE AI

ELECTRIC HEATER

typ ILS
230V, 50Hz,
IPX5, class II

26 005 YYYY ZZ

typ ELS
230V, 50Hz,
IPX5, class I

26 006 YYYY ZZ

YYYY	0400	0600	0800	1000
Watt	400	600	800	1000

ZZ	01	05	06
	white	chrome	black

2 YEARS WARRANTY

CE 2h

VALVE

28 001 001 ZZ

28 002 001 ZZ

28 005 001 ZZ

28 006 001 ZZ

ZZ	01	05
	white	chrome

CONFIGURATION SMART
RUN

BiAL
EVERYTHING IN PLACE

DESIGN YOUR OWN CONFIGURATION

BIAL design valves

Available in all BIAL colours

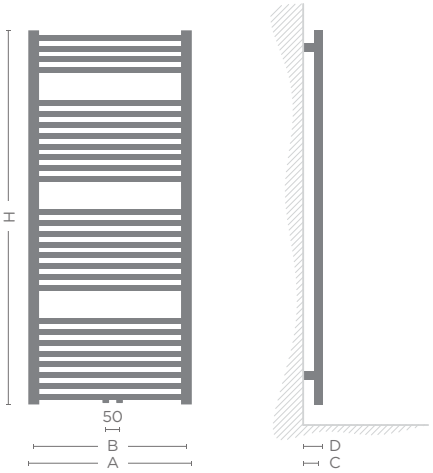
Electric heater with 2-hour drying function

CODE GENERATOR

CONFIGURATION SMART: RUN

BiAL
EVERYTHING IN PLACE

ORDER GENERATOR TUBE RADIATOR 31 XXX YYYY ZZ



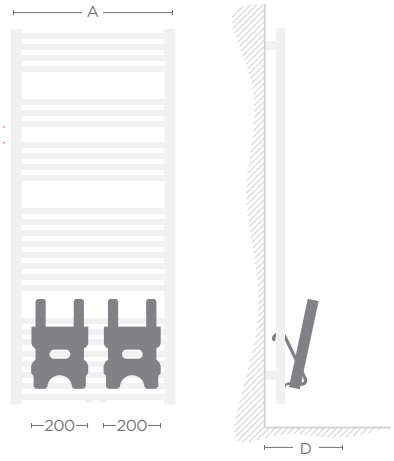
YYYY	A (mm)	H (mm)	B (mm)	C (mm)	D (mm)	m (kg)	n exp.	(Watt)	(Watt)
4509	450	974	400 / 50	70-90	85-105	7.47	1.2644	388	400
4513	450	1374	400 / 50	70-90	85-105	10.47	1.2366	583	600
4516	450	1694	400 / 50	70-90	85-105	13.07	1.2461	718	800
6009	600	974	550 / 50	70-90	85-105	9.34	1.2562	521	600
6013	600	1374	550 / 50	70-90	85-105	12.92	1.2387	751	800
6016	600	1694	550 / 50	70-90	85-105	15.66	1.2467	916	800
7509	750	974	700 / 50	70-90	85-105	11.27	1.2461	655	600
7513	750	1374	700 / 50	70-90	85-105	15.77	1.2409	919	800
7516	750	1694	700 / 50	70-90	85-105	19.07	1.2472	1113	1000

ALTA midd XXX= **022**

ALTA XXX= **021**

ZZ	01	02	03	04
	white	anthracite	sandy	platinum

ORDER GENERATOR ACCESSORIES SET: RUN 33 035 YYYY ZZ



D (mm)	m (kg)
185-205	1.45

ZZ	01	02	03	04
	white	anthracite	sandy	platinum

ELECTRIC HEATER

typ ILS
230V, 50Hz,
IPX5, class II

26 005 YYYY ZZ

typ ELS
230V, 50Hz,
IPX5, class I

26 006 YYYY ZZ

YYYY	0400	0600	0800	1000
Watt	400	600	800	1000

ZZ	01	05	06
	white	chrome	black

VALVE

28 001 001 ZZ

28 002 001 ZZ

28 005 001 ZZ

28 006 001 ZZ

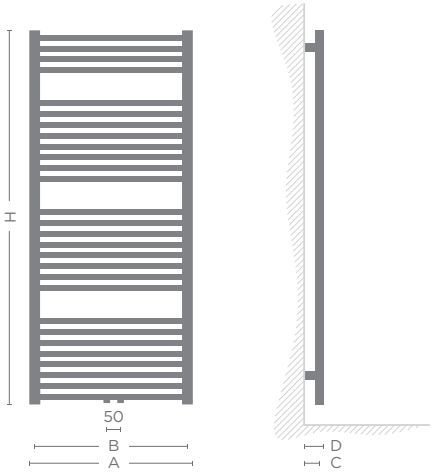
ZZ	01	05
	white	chrome

CODE GENERATOR

CONFIGURATION SMART: RUN

BiAL
EVERYTHING IN PLACE

ORDER GENERATOR TUBE RADIATOR 31 XXX YYYY ZZ



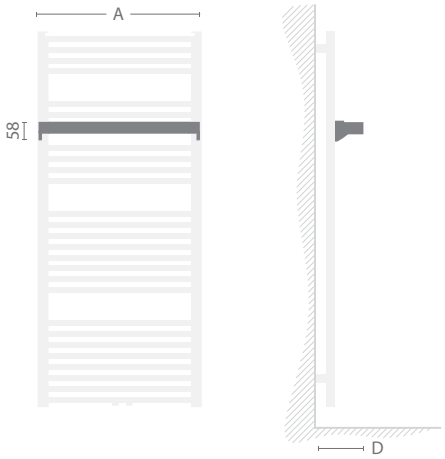
YYYY	A (mm)	H (mm)	B (mm)	C (mm)	D (mm)	m (kg)	n exp.	(Watt)	(Watt)
4509	450	974	400 / 50	70-90	85-105	7.47	1.2644	388	400
4513	450	1374	400 / 50	70-90	85-105	10.47	1.2366	583	600
4516	450	1694	400 / 50	70-90	85-105	13.07	1.2461	718	800
6009	600	974	550 / 50	70-90	85-105	9.34	1.2562	521	600
6013	600	1374	550 / 50	70-90	85-105	12.92	1.2387	751	800
6016	600	1694	550 / 50	70-90	85-105	15.66	1.2467	916	800
7509	750	974	700 / 50	70-90	85-105	11.27	1.2461	655	600
7513	750	1374	700 / 50	70-90	85-105	15.77	1.2409	919	800
7516	750	1694	700 / 50	70-90	85-105	19.07	1.2472	1113	1000

ALTA midd XXX= **022**

ALTA XXX= **021**

ZZ	01	02	03	04
	white	anthracite	sandy	platinum

ORDER GENERATOR ACCESSORIES SET: RUN 33 035 YYYY ZZ



D (mm)	m (kg)
185-205	1.45

ZZ	01	02	03	04
	white	anthracite	sandy	platinum

ELECTRIC HEATER

typ ILS
230V, 50Hz,
IPX5, class II

26 005 YYYY ZZ

typ ELS
230V, 50Hz,
IPX5, class I

26 006 YYYY ZZ

YYYY	0400	0600	0800	1000
Watt	400	600	800	1000

ZZ	01	05	06
	white	chrome	black

VALVE

28 001 001 ZZ

28 002 001 ZZ

28 005 001 ZZ

28 006 001 ZZ

ZZ	01	05
	white	chrome

CONFIGURATION SMART
SPORT

BiAL
EVERYTHING IN PLACE

DESIGN YOUR OWN CONFIGURATION

BIAL design valves

Available in all BIAL colours

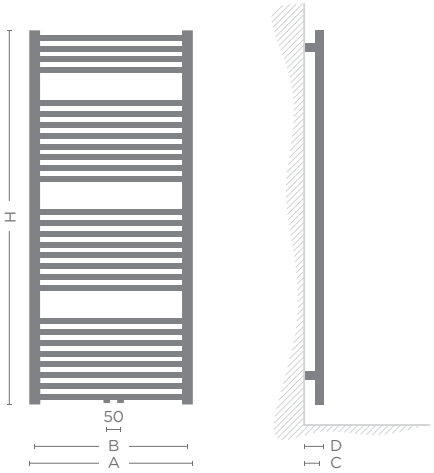
Electric heater with 2-hour drying function

CODE GENERATOR

CONFIGURATION SMART: SPORT

BiAL
EVERYTHING IN PLACE

ORDER GENERATOR TUBE RADIATOR 31 XXX YYYY ZZ



YYYY	A (mm)	H (mm)	B (mm)	C (mm)	D (mm)	m (kg)	n exp.	(Watt)	(Watt)
4509	450	974	400 / 50	70-90	85-105	7.47	1.2644	388	400
4513	450	1374	400 / 50	70-90	85-105	10.47	1.2366	583	600
4516	450	1694	400 / 50	70-90	85-105	13.07	1.2461	718	800
6009	600	974	550 / 50	70-90	85-105	9.34	1.2562	521	600
6013	600	1374	550 / 50	70-90	85-105	12.92	1.2387	751	800
6016	600	1694	550 / 50	70-90	85-105	15.66	1.2467	916	800
7509	750	974	700 / 50	70-90	85-105	11.27	1.2461	655	600
7513	750	1374	700 / 50	70-90	85-105	15.77	1.2409	919	800
7516	750	1694	700 / 50	70-90	85-105	19.07	1.2472	1113	1000

ALTA midd XXX= **022**

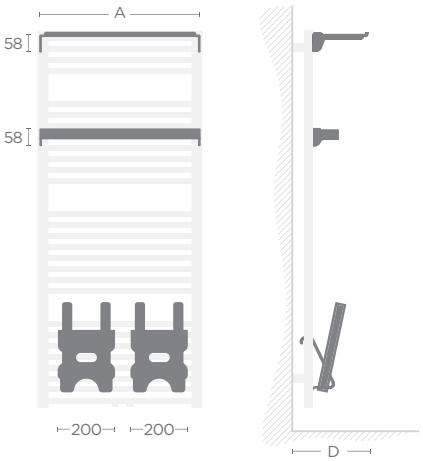
ALTA XXX= **021**

ZZ	01	02	03	04
	white	anthracite	sandy	platinum

5 YEARS WARRANTY

CE EN 442 Fe

ORDER GENERATOR ACCESSORIES SET: SPORT 33 013 YYYY ZZ



YYYY	A (mm)	D (mm)	m (kg)
4500	450	295-315	1.36
6000	600	295-315	2.1
7500	750	295-315	2.39

ZZ	01	02	03	04
	white	anthracite	sandy	platinum

5 YEARS WARRANTY

CE AI

ELECTRIC HEATER

typ ILS
230V, 50Hz,
IPX5, class II

26 005 YYYY ZZ

typ ELS
230V, 50Hz,
IPX5, class I

26 006 YYYY ZZ

YYYY	0400	0600	0800	1000
Watt	400	600	800	1000

ZZ	01	05	06
	white	chrome	black

2 YEARS WARRANTY

CE 2h

VALVE

28 001 001 ZZ

28 002 001 ZZ

28 005 001 ZZ

28 006 001 ZZ

ZZ	01	05
	white	chrome

CONFIGURATION SMART
ALPIN

BiAL
EVERYTHING IN PLACE

DESIGN YOUR OWN CONFIGURATION

BIAL design valves

Available in all BIAL colours

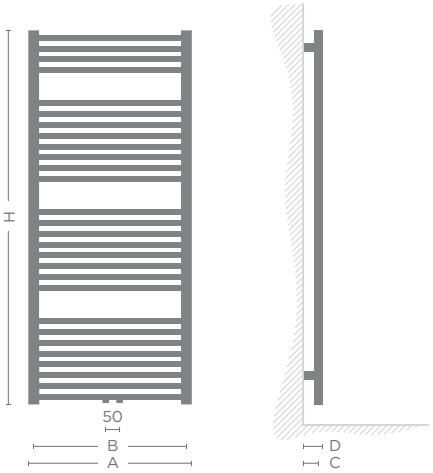
Electric heater with 2-hour drying function

CODE GENERATOR

CONFIGURATION SMART: ALPIN

BiAL
EVERYTHING IN PLACE

ORDER GENERATOR TUBE RADIATOR 31 XXX YYYY ZZ



YYYY	A (mm)	H (mm)	B (mm)	C (mm)	D (mm)	m (kg)	n exp.	(Watt)	(Watt)
4509	450	974	400 / 50	70-90	85-105	7.47	1.2644	388	400
4513	450	1374	400 / 50	70-90	85-105	10.47	1.2366	583	600
4516	450	1694	400 / 50	70-90	85-105	13.07	1.2461	718	800
6009	600	974	550 / 50	70-90	85-105	9.34	1.2562	521	600
6013	600	1374	550 / 50	70-90	85-105	12.92	1.2387	751	800
6016	600	1694	550 / 50	70-90	85-105	15.66	1.2467	916	800
7509	750	974	700 / 50	70-90	85-105	11.27	1.2461	655	600
7513	750	1374	700 / 50	70-90	85-105	15.77	1.2409	919	800
7516	750	1694	700 / 50	70-90	85-105	19.07	1.2472	1113	1000

ALTA midd XXX= **022**

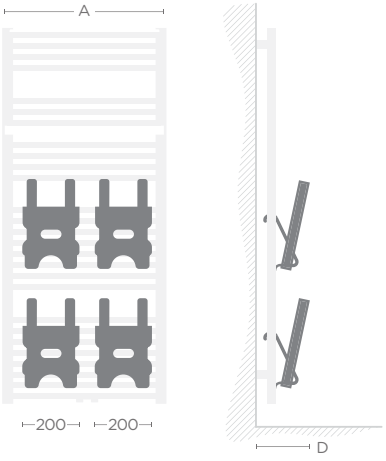
ALTA XXX= **021**

ZZ	01	02	03	04
	white	anthracite	sandy	platinum

5 YEARS GUARANTEE

CE EN 442 Fe

ORDER GENERATOR ACCESSORIES SET: ALPIN 33 032 2032 ZZ



D (mm)	m (kg)
185-205	2.9

ZZ	01	02	03	04
	white	anthracite	sandy	platinum

5 YEARS GUARANTEE

CE AI

ELECTRIC HEATER

typ ILS
230V, 50Hz,
IPX5, class II

26 005 YYYY ZZ

typ ELS
230V, 50Hz,
IPX5, class I

26 006 YYYY ZZ

YYYY	0400	0600	0800	1000
Watt	400	600	800	1000

ZZ	01	05	06
	white	chrome	black

2 YEARS GUARANTEE

CE 2h

VALVE

28 001 001 ZZ

28 002 001 ZZ

28 005 001 ZZ

28 006 001 ZZ

ZZ	01	05
	white	chrome

STYLE ME

BiAL
EVERYTHING IN PLACE

CONFIGURATION STYLE ME
AIR

BiAL
EVERYTHING IN PLACE

DESIGN YOUR OWN CONFIGURATION

Different mask designs

BIAL design valves

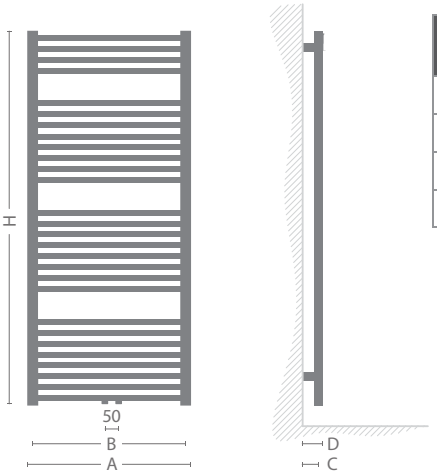
Electric heater with
2 hour drying function

CODE GENERATOR

CONFIGURATION STYLE ME: AIR

BiAL
EVERYTHING IN PLACE

ORDER GENERATOR TUBE RADIATOR 31 XXX YYYY ZZ



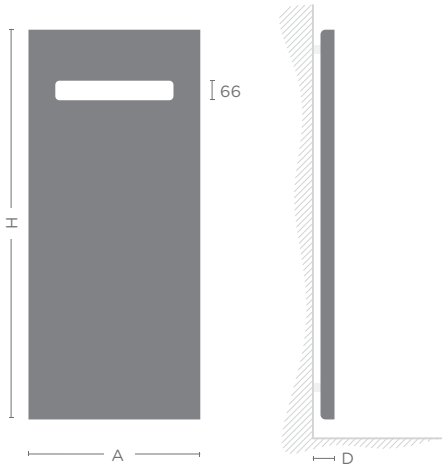
YYYY	A (mm)	H (mm)	B (mm)	C (mm)	D (mm)	m (kg)	n exp.	(Watt)	(Watt)
4513	450	1374	400 / 50	70-90	85-105	10.47	1.2366	583	600
4516	450	1694	400 / 50	70-90	85-105	13.07	1.2461	718	800
6013	600	1374	550 / 50	70-90	85-105	12.92	1.2387	751	800
6016	600	1694	550 / 50	70-90	85-105	15.66	1.2467	916	800

ALTA midd XXX= **022**

ALTA XXX= **021**

ZZ	01	02	03	04
	white	anthracite	sandy	platinum

ORDER GENERATOR MASK: AIR 33 016 YYYY ZZ



YYYY	A (mm)	H (mm)	D (mm)	m (kg)
4513	465	1395	91-111	4.1
4516	465	1395	91-111	5.2
6013	615	1715	91-111	5.4
6016	615	1715	91-111	6.5

ZZ	01	02	03	04
	white	anthracite	beige	platinum

ELECTRIC HEATER

typ ILS
230V, 50Hz,
IPX5, class II

26 005 YYYY ZZ

typ ELS
230V, 50Hz,
IPX5, class I

26 006 YYYY ZZ

YYYY	0400	0600	0800	1000
Watt	400	600	800	1000

ZZ	01	05	06
	white	chrome	black

VALVE

28 001 001 ZZ

28 002 001 ZZ

28 005 001 ZZ

28 006 001 ZZ

ZZ	01	05
	white	chrome

CONFIGURATION STYLE ME
ZEN

BiAL
EVERYTHING IN PLACE

DESIGN YOUR OWN CONFIGURATION

Different mask designs

BIAL design valves

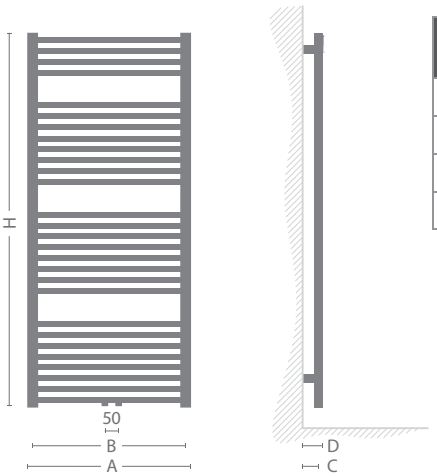
Electric heater with
2 hour drying function

CODE GENERATOR

CONFIGURATION STYLE ME: ZEN

BiAL
EVERYTHING IN PLACE

ORDER GENERATOR TUBE RADIATOR 31 XXX YYYY ZZ



YYYY	A (mm)	H (mm)	B (mm)	C (mm)	D (mm)	m (kg)	n exp.	(Watt)	(Watt)
4513	450	1374	400 / 50	70-90	85-105	10.47	1.2366	583	600
4516	450	1694	400 / 50	70-90	85-105	13.07	1.2461	718	800
6013	600	1374	550 / 50	70-90	85-105	12.92	1.2387	751	800
6016	600	1694	550 / 50	70-90	85-105	15.66	1.2467	916	800

ALTA midd XXX= **022**

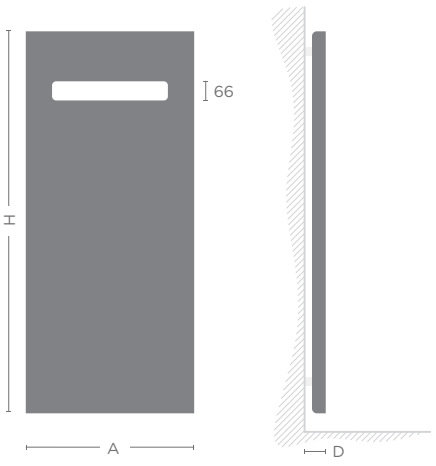
ALTA XXX= **021**

ZZ	01	02	03	04
	white	anthracite	beige	platinum

5 YEARS GUARANTEE

CE EN 442 Fe

ORDER GENERATOR MASK: ZEN 33 019 YYYY ZZ



YYYY	A (mm)	H (mm)	D (mm)	m (kg)
4513	465	1395	91-111	4.1
4516	465	1395	91-111	5.2
6013	615	1715	91-111	5.4
6016	615	1715	91-111	6.5

ZZ	01	02	03	04
	white	anthracite	beige	platinum

5 YEARS GUARANTEE

CE AI

ELECTRIC HEATER

typ ILS
230V, 50Hz,
IPX5, class II

26 005 YYYY ZZ

typ ELS
230V, 50Hz,
IPX5, class I

26 006 YYYY ZZ

YYYY	0400	0600	0800	1000
Watt	400	600	800	1000

ZZ	01	05	06
	white	chrome	black

2 YEARS GUARANTEE

CE 2h

VALVE

28 001 001 ZZ

28 002 001 ZZ

28 005 001 ZZ

28 006 001 ZZ

ZZ	01	05
	white	chrome

CONFIGURATION STYLE ME
DANDY

BiAL
EVERYTHING IN PLACE

DESIGN YOUR OWN CONFIGURATION

Different mask designs

BIAL design valves

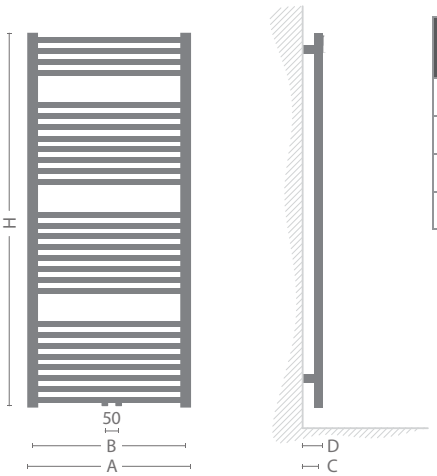
Electric heater with
2 hour drying function

CODE GENERATOR

CONFIGURATION STYLE ME: DANDY

BiAL
EVERYTHING IN PLACE

ORDER GENERATOR TUBE RADIATOR 31 XXX YYYY ZZ



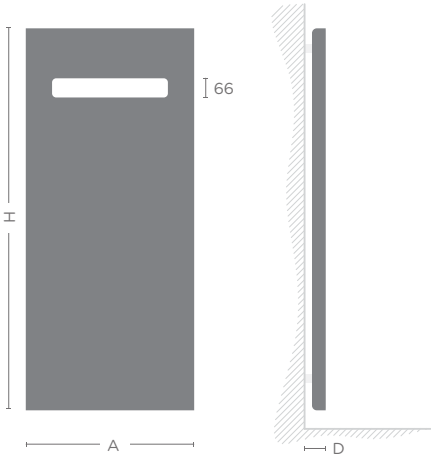
YYYY	A (mm)	H (mm)	B (mm)	C (mm)	D (mm)	m (kg)	n exp.	(Watt)	(Watt)
4513	450	1374	400 / 50	70-90	85-105	10.47	1.2366	583	600
4516	450	1694	400 / 50	70-90	85-105	13.07	1.2461	718	800
6013	600	1374	550 / 50	70-90	85-105	12.92	1.2387	751	800
6016	600	1694	550 / 50	70-90	85-105	15.66	1.2467	916	800

ALTA midd XXX= **022**

ALTA XXX= **021**

ZZ	01	02	03	04
	white	anthracite	beige	platinum

ORDER GENERATOR MASK: DANDY 33 020 YYYY ZZ



YYYY	A (mm)	H (mm)	D (mm)	m (kg)
4513	465	1395	91-111	4.1
4516	465	1395	91-111	5.2
6013	615	1715	91-111	5.4
6016	615	1715	91-111	6.5

ZZ	01	02	03	04
	white	anthracite	beige	platinum

ELECTRIC HEATER

typ ILS
230V, 50Hz,
IPX5, class II

26 005 YYYY ZZ

typ ELS
230V, 50Hz,
IPX5, class I

26 006 YYYY ZZ

YYYY	0400	0600	0800	1000
Watt	400	600	800	1000

ZZ	01	05	06
	white	chrome	black

VALVE

28 001 001 ZZ

28 002 001 ZZ

28 005 001 ZZ

28 006 001 ZZ

ZZ	01	05
	white	chrome

CONFIGURATION STYLE ME
SUNNY

BiAL
EVERYTHING IN PLACE

DESIGN YOUR OWN CONFIGURATION

Different mask designs

BIAL design valves

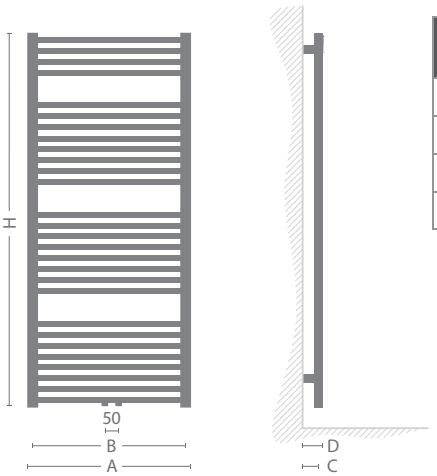
Electric heater with
2 hour drying function

CODE GENERATOR

CONFIGURATION STYLE ME: **SUNNY**

BiAL
EVERYTHING IN PLACE

ORDER GENERATOR TUBE RADIATOR 31 XXX YYYY ZZ



YYYY	A (mm)	H (mm)	B (mm)	C (mm)	D (mm)	m (kg)	n exp.	(Watt)	(Watt)
4513	450	1374	400 / 50	70-90	85-105	10.47	1.2366	583	600
4516	450	1694	400 / 50	70-90	85-105	13.07	1.2461	718	800
6013	600	1374	550 / 50	70-90	85-105	12.92	1.2387	751	800
6016	600	1694	550 / 50	70-90	85-105	15.66	1.2467	916	800

ALTA midd XXX= **022**

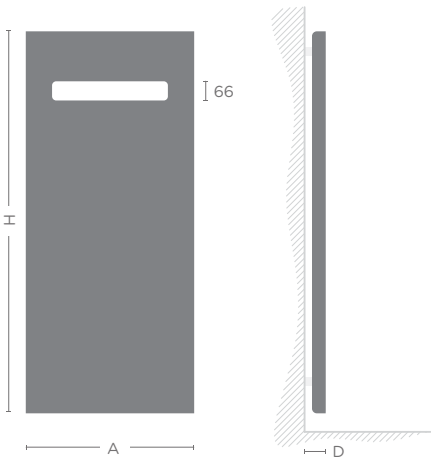
ALTA XXX= **021**

ZZ	01	02	03	04
	white	anthracite	beige	platinum

5 YEARS GUARANTEE

CE EN 442 Fe

ORDER GENERATOR MASK: SUNNY 33 017 YYYY ZZ



YYYY	A (mm)	H (mm)	D (mm)	m (kg)
4513	465	1395	91-111	4.1
4516	465	1395	91-111	5.2
6013	615	1715	91-111	5.4
6016	615	1715	91-111	6.5

ZZ	01	02	03	04
	white	anthracite	beige	platinum

5 YEARS GUARANTEE

CE AI

ELECTRIC HEATER

typ ILS
230V, 50Hz,
IPX5, class II

26 005 YYYY ZZ

typ ELS
230V, 50Hz,
IPX5, class I

26 006 YYYY ZZ

YYYY	0400	0600	0800	1000
Watt	400	600	800	1000

ZZ	01	05	06
	white	chrome	black

2 YEARS GUARANTEE

CE 2h

VALVE

28 001 001 ZZ

28 002 001 ZZ

28 005 001 ZZ

28 006 001 ZZ

ZZ	01	05
	white	chrome

CONFIGURATION STYLE ME
FLOREST

BiAL
EVERYTHING IN PLACE

DESIGN YOUR OWN CONFIGURATION

Different mask designs

BIAL design valves

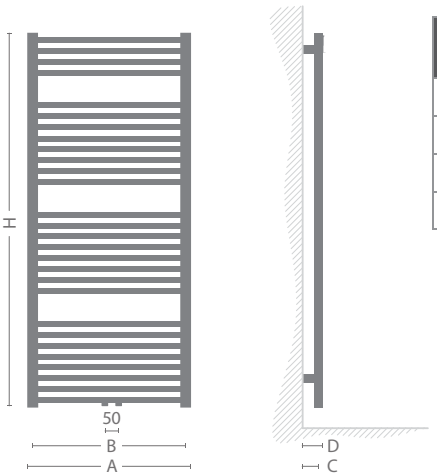
Available in all BIAL colours

CODE GENERATOR

CONFIGURATION STYLE ME: FLOREST

BiAL
EVERYTHING IN PLACE

ORDER GENERATOR TUBE RADIATOR 31 XXX YYYY ZZ



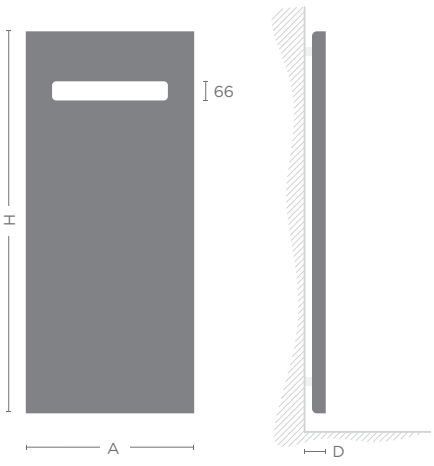
YYYY	A (mm)	H (mm)	B (mm)	C (mm)	D (mm)	m (kg)	n exp.	(Watt)	(Watt)
4513	450	1374	400 / 50	70-90	85-105	10.47	1.2366	583	600
4516	450	1694	400 / 50	70-90	85-105	13.07	1.2461	718	800
6013	600	1374	550 / 50	70-90	85-105	12.92	1.2387	751	800
6016	600	1694	550 / 50	70-90	85-105	15.66	1.2467	916	800

ALTA midd XXX= **022**

ALTA XXX= **021**

ZZ	01	02	03	04
	white	anthracite	beige	platinum

ORDER GENERATOR MASK: FLOREST 33 018 YYYY ZZ



YYYY	A (mm)	H (mm)	D (mm)	m (kg)
4513	465	1395	91-111	4.1
4516	465	1395	91-111	5.2
6013	615	1715	91-111	5.4
6016	615	1715	91-111	6.5

ZZ	01	02	03	04
	white	anthracite	beige	platinum

ELECTRIC HEATER

typ ILS
230V, 50Hz,
IPX5, class II

26 005 YYYY ZZ

typ ELS
230V, 50Hz,
IPX5, class I

26 006 YYYY ZZ

YYYY	0400	0600	0800	1000
Watt	400	600	800	1000

ZZ	01	05	06
	white	chrome	black

VALVE

28 001 001 ZZ

28 002 001 ZZ

28 005 001 ZZ

28 006 001 ZZ

ZZ	01	05
	white	chrome

CONFIGURATION STYLE ME
TIME

BiAL
EVERYTHING IN PLACE

DESIGN YOUR OWN CONFIGURATION

Different mask designs

BIAL design valves

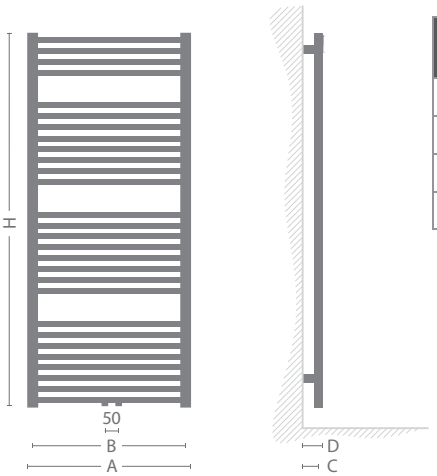
Electric heater with
2 hour drying function

CODE GENERATOR

CONFIGURATION STYLE ME: TIME

BiAL
EVERYTHING IN PLACE

ORDER GENERATOR TUBE RADIATOR 31 XXX YYYY ZZ



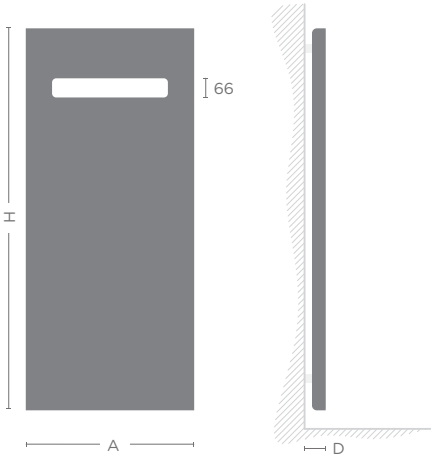
YYYY	A (mm)	H (mm)	B (mm)	C (mm)	D (mm)	m (kg)	n exp.	(Watt)	(Watt)
4513	450	1374	400 / 50	70-90	85-105	10.47	1.2366	583	600
4516	450	1694	400 / 50	70-90	85-105	13.07	1.2461	718	800
6013	600	1374	550 / 50	70-90	85-105	12.92	1.2387	751	800
6016	600	1694	550 / 50	70-90	85-105	15.66	1.2467	916	800

ALTA midd XXX= **022**

ALTA XXX= **021**

ZZ	01	02	03	04
	white	anthracite	beige	platinum

ORDER GENERATOR MASK: TIME 33 021 YYYY ZZ



YYYY	A (mm)	H (mm)	D (mm)	m (kg)
4513	465	1395	91-111	4.1
4516	465	1395	91-111	5.2
6013	615	1715	91-111	5.4
6016	615	1715	91-111	6.5

ZZ	01
	white

ELECTRIC HEATER

typ ILS
230V, 50Hz,
IPX5, class II

26 005 YYYY ZZ

typ ELS
230V, 50Hz,
IPX5, class I

26 006 YYYY ZZ

YYYY	0400	0600	0800	1000
Watt	400	600	800	1000

ZZ	01	05	06
	white	chrome	black

VALVE

28 001 001 ZZ

28 002 001 ZZ

28 005 001 ZZ

28 006 001 ZZ

ZZ	01	05
	white	chrome

MORE...

BiAL

EVERYTHING IN PLACE

ELECTRIC HEATERS

BiAL
EVERYTHING IN PLACE

DESIGN YOUR OWN CONFIGURATION

TREND design radiators

SMART accessories

STYLE ME design mask

CODE GENERATOR

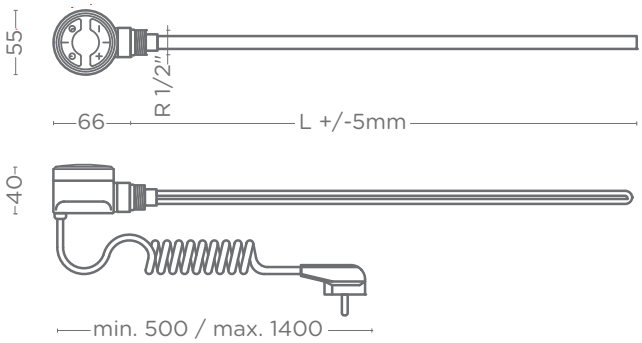
ELECTRIC HEATERS

BiAL
EVERYTHING IN PLACE

ORDER GENERATOR ELECTRIC HEATERS ELS 26 006 YYYY ZZ

ELECTRIC HEATER ELS
(Spiral cable with plug)
XXX= **006**

230V, 50Hz, 400W-1000W,
IPX5, Class I



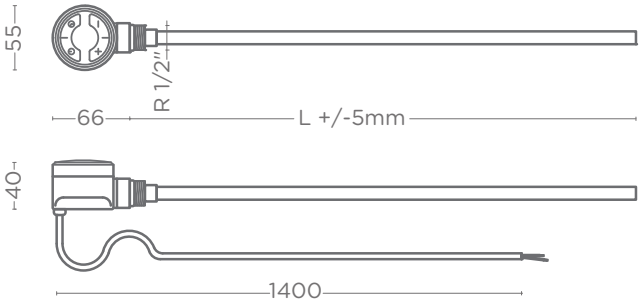
ZZ	01	05	06
	white	chrome	black

YYYY	Watt	L (mm)
0400	400	345
0600	600	470
0800	800	545
1000	1000	720

ORDER GENERATOR ELECTRIC HEATERS ILS 26 005 YYYY ZZ

ELECTRIC HEATER ILS
(Spiral cable with plug)
XXX= **005**

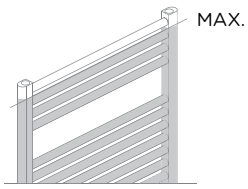
230V, 50Hz, 400W-1000W,
IPX5, Class II



ZZ	01	05	06
	white	chrome	black

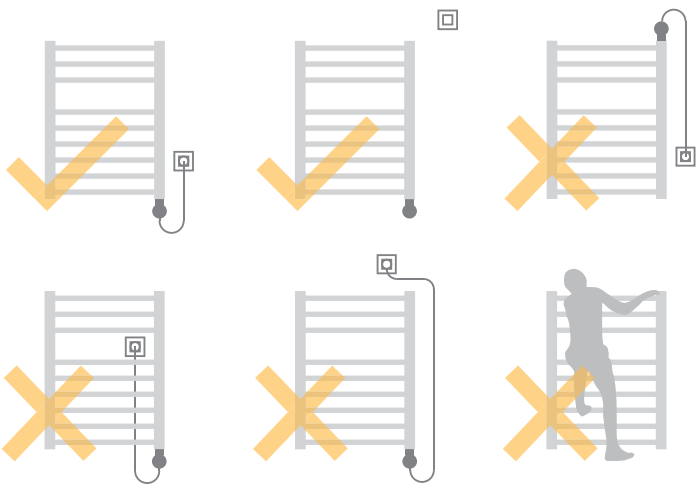
YYYY	Watt	L (mm)
0400	400	345
0600	600	470
0800	800	545
1000	1000	720

SAFETY



WATER

OIL



THERMOSTATIC VALVES

BiAL
EVERYTHING IN PLACE

DESIGN YOUR OWN CONFIGURATION

STYLE ME design mask

TREND design radiators

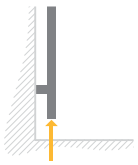
SMART accessories

CODE GENERATOR

THERMOSTATIC VALVES

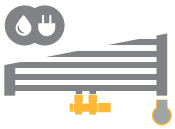
BiAL
EVERYTHING IN PLACE

ORDER GENERATOR STRAIGHT CONNECTION



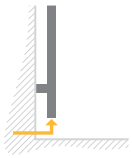
28 001 002 ZZ

28 002 002 ZZ

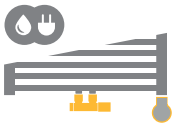


ZZ	01	05
	white	chrome

ORDER GENERATOR ANGLE CONNECTION



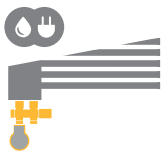
28 001 001 ZZ



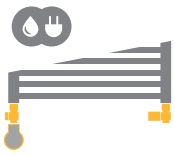
28 002 001 ZZ

28 005 001 ZZ

28 003 001 ZZ



28 004 001 ZZ



ZZ	01	05
	white	chrome

ORDER GENERATOR EQUIPMENT

28 006 001 01
THERMOSTATIC HEAD, WHITE

28 006 001 05
THERMOSTATIC HEAD, CHROME

28 007 001 05
Adapt. Ø 12Cu / 3/4 "EK CHROME

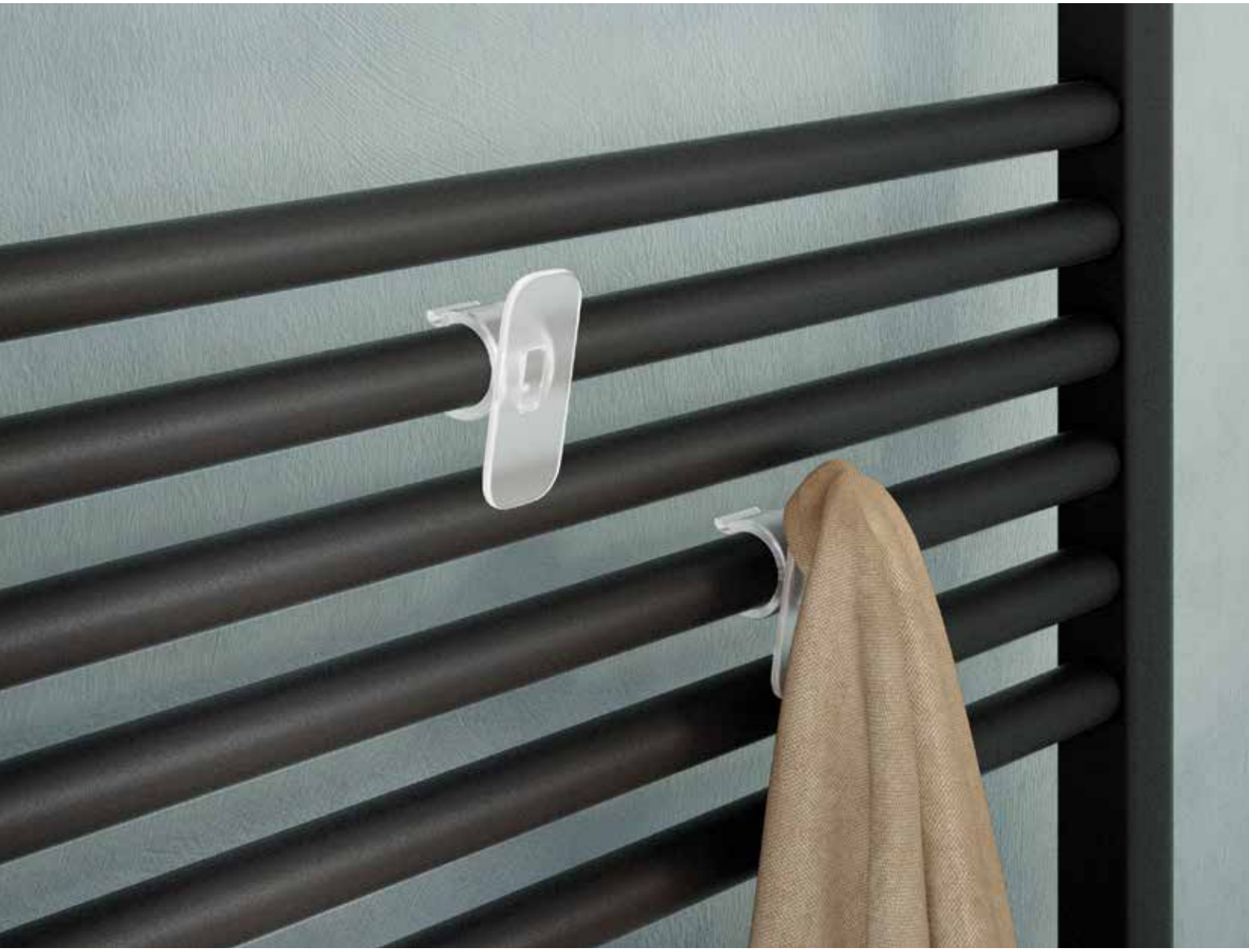
28 007 002 05
Adapt. Ø 15Cu / 3/4 "EK CHROME

28 007 003 05
Adapt. Ø 16x2 PEX / 3/4 "EK CHROME

28 007 004 05
Adapt. Ø 16x2 PEX / 3/4 "EK CHROME

HANGER 2 SET

BiAL
EVERYTHING IN PLACE



DESIGN YOUR OWN CONFIGURATION

Accessories BIAL

It can be placed on the horizontal tubes
(Ø 20 – 22 mm)

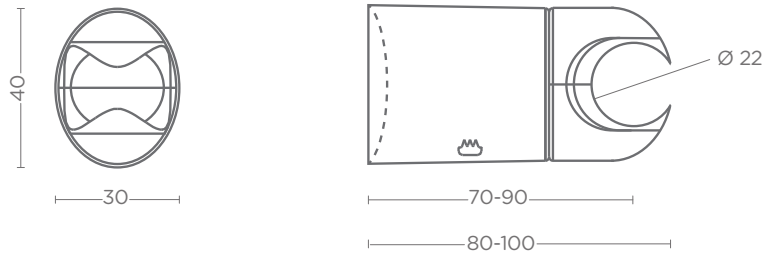
Elegant solution for any towel warmer.
Order Nr.: 33 034 3065 07

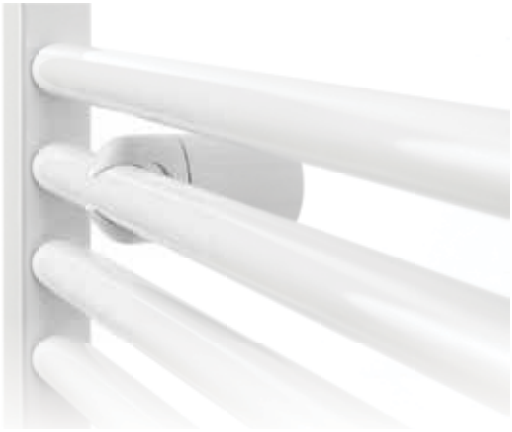
CODE GENERATOR

WALL BRACKETS

BiAL
EVERYTHING IN PLACE

ORDER GENERATOR WALL BRACKETS 35 001 0022 ZZ



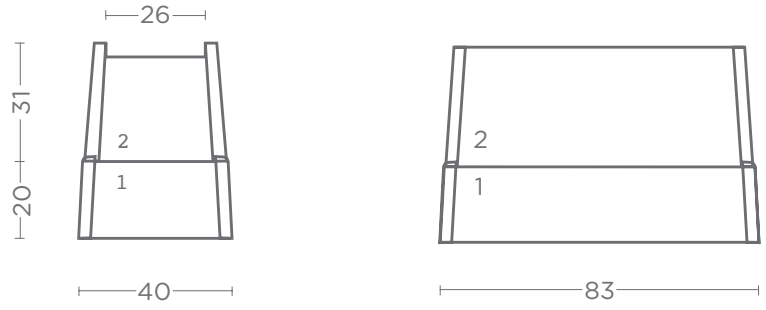


FOR TUBE RADIATOR:
ALTA, SORA

ZZ	01	02	03	04
	white	anthracite	sandy	platinum

01/20

ORDER GENERATOR WALL BRACKETS A 35 002 4080 ZZ



FOR DESIGN RADIATOR:
A100, A200,A300, OVAL

ZZ	01	02	03	04
	white	anthracite	sandy	platinum

INFO

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EVERYTHING IN PLACE

EN

CONNECTION

Side connection

Central connection (50mm)

VALVE TYPES

MADE OF

Al Aluminium

Fe Steel

COLOURS

White

Anthracite

Sandy

Platinum

Chrome

OPERATING PARAMETERS

The dimension of all connections on the radiator is 1/2". Working pressure up to 7bar (0.7MPa). Working temperature up to 363K (up to 90°C). Water pH from 8 to 9.5. Water in the heating system must comply with the ÖNORM H5195 standard or the VDI 2035 standard. Draining the water from the network is not recommended.

CE MARKING

BIAL products bear the CE marking, which proves that the products comply with the EN442 European standard. CE

HEAT OUTPUT

The heat output of each model is calculated from the characteristic equation: $\Phi=KM\ \Delta Tn$. The EN442 standard defines the test and measurement methods used by a notified body to determine the heat output and other radiator characteristics. The adjustment of radiator heat output to other operating conditions can be calculated using the formula $\Phi = \Phi s\ f_1$. The calculation table and the f_1 factor can be found on our website www.everythnginplace.eu

EN 442

HEATING WITH AN ELECTRIC HEATING ELEMENT

You can also use an electric heating element for towel rail radiators. In this case, the radiator heat output depends on the heat output of the built-in electric heating element. For each radiator model and dimension, the maximum output of the electric heating element that can be installed is specified in the technical data table. Most BIAL radiator models can also be used for combined heating sources: central hot water or electric heating.

HEAT SOURCE

Connected to central heating

Heated with an electric heating element

Combined heating: central heating or an electric heating element

HEAT OUTPUT

Radiator heat output according to EN442 (75/65/20°C)

Radiator heat output – heated with an electric heating element

ELECTRIC HEATING ELEMENT

5-level heating control (with the + and - buttons)

2-hour drying function (2h button)

on/off heater operation

Frost protection function (if the temperature drops below 6°C, the device switches on automatically)

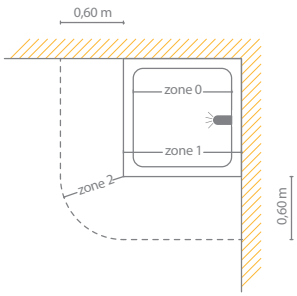
WARRANTY

5 years warranty

2 years warranty

SAFETY ZONES

When installing a radiator with an electric heating element, the local regulations and safety zones must be observed. In Zones 0 and 1, it is forbidden to connect the electric heating element to a power socket. In Zone 2, installation of BIAL electric heating elements is permitted since they are equipped with adequate electrical protection (IPX5).



SURFACE PROTECTION

All exterior surfaces feature an epoxy paint coating. Some models are also available with a chrome finish. Towel rail radiators should be cleaned with mild liquid cleaning agents.

PACKING AND INSTALLATION INSTRUCTIONS

The radiators are packaged in a cardboard packaging and also contain damage protection elements, mounting brackets, plugs, a vent valve, and a warranty certificate with technical instructions. To see the installation video, visit www.everythinginplace.eu

GENERAL TERMS AND CONDITIONS

General terms and conditions, as well as other information can be found on our website at www.everythinginplace.eu.

ALLGEMEINE UND TECHNICHE INFORMATIONEN

DE

ANSCHLUSS

Seitenanschluss

Mittelanschluss (50 mm)

VENTILTYPEN

Gerader Anschluss

Winkelanschluss

HERGESTELLT AUS

Al Aluminium

Fe Stahl

FARBEN

Weiß

Anthrazit

Sand

Platinum

Chrom

BETRIEBSPARAMETER

Alle Anschlüsse des Heizkörpers haben eine Größe von 1/2". Betriebsdruck bis 7 bar (0,7 MPa). Betriebstemperatur bis zu 363 K (bis 90 °C). Wasser pH-Wert 8 bis 9,5. Das Wasser in der Heizungsanlage muss der ÖNORM H5195 oder VDI 2035 entsprechen. Es sollte kein Wasser aus dem System abgelassen werden.

CE-KENNZEICHNUNG

Die Produkte von BIAL sind mit der CE-Kennzeichnung versehen, was beweist, dass die Produkte der europäischen Norm EN442 entsprechen. CE

WÄRMELEISTUNG

Die Wärmeleistung des jeweiligen Modells ergibt sich aus der charakteristischen Gleichung: Φ=KM ΔTn. Die Norm EN442 legt die Prüf- und Messmethoden fest, die ein zertifiziertes benanntes Organ bei der Bestimmung der Wärmeleistung und anderer Eigenschaften des Heizkörpers anwendet. Die Berechnung der Wärmeleistung des Heizkörpers für andere Betriebsbedingungen nehmen Sie mithilfe der Formel Φ = Φs f_1. Die Tabelle für die Berechnung und den Faktor f_1 finden Sie auf unserer Internetseite www.everythnginplace.eu

EN 442

HEIZEN MIT ELEKTRISCHEM HEIZKÖRPER

Den Röhrenheizkörper können Sie auch mithilfe eines elektrischen Heizkörpers betreiben. In diesem Fall wird die Wärmeleistung des Heizkörpers durch die Wärmeleistung des eingebauten elektrischen Heizkörper bestimmt. Für jedes Modell und jede Größe des Heizkörpers finden Sie in der Tabelle mit den technischen Daten die vorgeschriebene Höchstleistung des elektrischen Heizkörpers, den Sie einbauen können. Einen Großteil der Heizkörpermodelle von BIAL können Sie auch für kombiniertes Heizen anschließen: zentrale Fernwärmeheizung oder Elektroheizung.

WÄRMEQUELLE

An die Zentralheizung angeschlossen

Mit dem elektrischen Heizkörper geheizt

Kombinierte Heizung: Zentralheizung oder elektrischer Heizkörper

WÄRMELEISTUNG

Wärmeleistung des Heizkörpers gemäß der Norm EN442 (75/65/20 °C)

Wärmeleistung des Heizkörpers – mit dem elektrischen Heizkörper geheizt

ELEKTRISCHER HEIZKÖRPER

5-Stufen-Regulierung der Heizung (mit der Taste +/-)

2h 2-stündige Trockenfunktion (Taste 2h)

Ein/Aus-Betrieb des Heizkörpers

Frostschutz (wenn die Temperatur unter 6 °C fällt, wird die Anlage automatisch eingeschaltet)

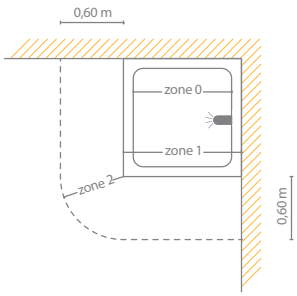
GARANTIE

5 5-Jahre-Garantie

2 2-Jahre-Garantie

SICHERHEITSZONEN

Beim Einbau des Heizkörpers mit elektrischem Heizkörper müssen die lokale Gesetzgebung und Sicherheitszonen für den Einbau berücksichtigt werden. In den Zonen 0 und 1 ist der Anschluss eines elektrischen Heizkörpers an die Steckdose verboten. In der Zone 2 ist der Einbau der elektrischen Heizkörper von BIAL zulässig, da sie mit einem geeigneten elektrischen Schutz (IPX5) hergestellt sind.



OBERFLÄCHENSCHUTZ

Alle Außenflächen sind mit einem Epoxid-Pulverlack versehen. Einige Modelle sind auch in chromierter Ausführung lieferbar. Der Röhrenheizkörper wird mit milden Flüssigwaschmittel gereinigt.

VERPACKUNG UND MONTAGEANLEITUNG

Die Heizkörper sind in einem Karton verpackt und enthalten auch Elemente zum Schutz vor Beschädigungen, Halterungen zur Befestigung, Bolzen und Entlüftungsventil, Garantieschein mit technischer Anleitung. Ein Video zur Montage finden Sie unter www.everythinginplace.eu

ALLGEMEINE GESCHÄFTSBEDINGUNGEN

Die allgemeinen Geschäftsbedingungen und andere Informationen finden Sie auf unserer Internetseite www.everythinginplace.eu.

INFORMATIONS TECHNIQUES ET GÉNÉRALES

FR

RACCORDEMENT

Raccordement latéral

Raccordement central (50 mm)

TYPES DE SOUPAPES

Raccordement plat

Raccordement angulaire

FABRIQUÉ À PARTIR DE

Al Aluminium

Fe Acier

COULEURS

Blanc

Anthracite

Couleur sable

Couleur platine

Chromé

PARAMÈTRES DU FONCTIONNEMENT

Les dimensions de tous les raccords du radiateur sont 1/2". Pression de travail jusqu'à 7 bar (0,7 MPa). Température de travail jusqu'à 363 K (90 °C). Valeur pH de l'eau de 8 à 9,5. L'eau dans le système de chauffage doit correspondre à la qualité selon la norme ÖNORM H5195 ou selon la norme VDI 2035. L'évacuation de l'eau du système n'est pas recommandée.

Marquage CE

Les produits BIAL portent le marquage CE, ce qui prouve que nos produits sont conformes à la norme européenne EN442. CE

PUISSANCE CALORIFIQUE

La puissance calorifique de chaque modèle dérive de l'équation caractéristique suivante: $\Phi=KM\ \Delta Tn$. La norme EN442 définit les méthodes de mesure et d'essai utilisées par l'organisme notifié pour déterminer la puissance calorifique et d'autres caractéristiques du radiateur. Pour calculer la puissance calorifique du radiateur dans d'autres conditions de fonctionnement, utilisez la formule $\Phi = \Phi s\ f_1$. Le tableau de conversion et du facteur f_1 est disponible sur notre page Web www.everythnginplace.eu

EN 442

CHAUFFAGE À UNE RÉSISTANCE ÉLECTRIQUE

Vous pouvez chauffer votre sèche-serviette à l'aide d'une résistance électrique également. Dans ce cas, la puissance calorifique du radiateur dépend de la puissance calorifique de la résistance électrique. La puissance calorifique maximale de la résistance électrique que vous pouvez installer est spécifiée dans la fiche technique pour chaque modèle et pour toutes les dimensions du radiateur. Vous pouvez raccorder la plupart des modèles de radiateurs BIAL en mixte : chauffage central ou chauffage électrique.

SOURCE DE CHALEUR

Raccordé au chauffage central

Chauffage par résistance électrique

Chauffage mixte : chauffage central ou résistance électrique

PUISSANCE CALORIFIQUE

La puissance calorifique est conforme à la norme EN442 (75/65/20°C).

Puissance calorifique du radiateur - chauffé par une résistance électrique

RÉSISTANCE ÉLECTRIQUE

Régulation de chauffage à 5 degrés (à l'aide du bouton +/-)

2h Fonction de séchage de 2 heures (bouton 2h)

Mise en marche/arrêt de la résistance

Fonction de protection contre le gel (si la température tombe en dessous de 6 °C, le dispositif démarre automatiquement)automatiquement)

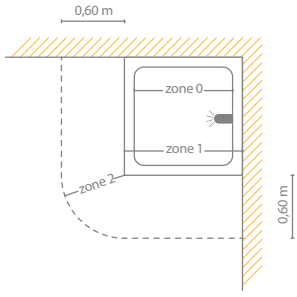
GARANTIE

5 5 ans de garantie

2 2 ans de garantie

ZONES DE SÉCURITÉ

Lors de l'installation du radiateur avec la résistance électrique, il est nécessaire de respecter la législation locale et les zones de sécurité. Dans les zones 0 et 1, il est interdit de brancher la résistance électrique dans la prise. Dans la zone 2, vous pouvez installer les résistances électriques BIAL car elles disposent d'une protection électrique appropriée (IPX5).



PROTECTION DE SURFACE

Toutes les surfaces extérieures sont peintes par un vernis époxy en poudre. Certains modèles sont disponibles en version chromée. Nettoyer le radiateur sèche-serviette avec des agents nettoyants liquides doux.

EMBALLAGE ET INSTRUCTIONS DE MONTAGE

Les radiateurs sont emballés dans un carton qui contient les éléments de protection, les supports de fixation, les bouchons, les soupapes d'aération, le certificat de garantie et les instructions techniques. Veuillez consulter la vidéo qui explique la procédure de montage sur la page Web www.everythinginplace.eu

CONDITIONS GÉNÉRALES

Les conditions générales et d'autres informations sont disponibles sur notre page Web www.everythinginplace.eu.

ОБЩАЯ И ТЕХНИЧЕСКАЯ ИНФОРМАЦИЯ

RU

ПОДКЛЮЧЕНИЕ

Боковое соединение

Центральное соединение (50 мм)

ТИПЫ КЛАПАННОВ

Прямое соединение

Угловое соединение

ИЗГОТОВЛЕНО ИЗ

Al Алюминий

Fe Сталь

ЦВЕТА

Белый

Антрацит

Песочный

Платиновый

Хром

ПАРАМЕТРЫ РАБОТЫ

Все соединения на радиаторе размером 1/2 ". Рабочее давление до 7 бар (0,7 МПа). Рабочая температура до 363° K (до 90° C). PH воды от 8 до 9,5. Вода в системе отопления должна соответствовать стандарту ÖNORM H5195 или стандарту VDI 2035. Сброс воды из сети не рекомендуется.

ЗНАК CE

Изделия BIAL имеют маркировку CE, что свидетельствует о соответствии продукции европейскому стандарту EN442. CE

ТЕПЛОВАЯ МОЩНОСТЬ

Тепловая мощность каждой модели выводится из характеристического уравнения: Φ=KM ΔTn. Стандарт EN442 определяет методы испытаний и измерений, используемые сертифицированным уполномоченным органом (notified body) при определении тепловой мощности и других характеристик радиатора. Расчет выходной тепловой мощности радиатора в других условиях эксплуатации рассчитывается по формуле Φ = Φs f_1. Таблицу расчета и коэффициент f_1 можно найти на нашем веб-сайте www.everythnginplace.eu

EN 442

НАГРЕВАНИЕ ЭЛЕКТРИЧЕСКИМ НАГРЕВАТЕЛЕМ

Трубный радиатор также можно нагревать с помощью электрического нагревателя. В этом случае тепловая мощность радиатора определяется тепловой мощностью встроенного электрического нагревателя. Для каждой модели и размера радиатора максимальная номинальная мощность электронагревателя, который можно установить, указана в техническом паспорте. Большинство моделей радиаторов BIAL также можно подключать как комбинированное нагревание: центральное отопление горячей водой или электрическое отопление.

ИСТОЧНИК ТЕПЛА

Подключено к центральному отоплению

Отопление электрическим нагревателем

Комбинированное отопление: центральное отопление или электрический нагреватель

ТЕПЛОВАЯ МОЩНОСТЬ

Тепловая мощность радиатора согласно стандарту EN442 (75/65/20° C)

Тепловая мощность радиатора - обогревается электронагревателем

ЭЛЕКТРИЧЕСКИЙ НАГРЕВАТЕЛЬ

5-позиционное управление обогревом (с кнопкой +/-)

2h 2-часовая функция сушки (кнопка 2 часа)

вкл./выкл. нагревателя

Функция защиты от замерзания (если температура опускается ниже 6° C, устройство включается автоматически)

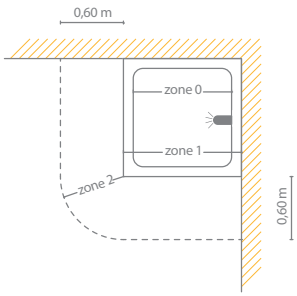
ГАРАНТИЯ

5 5 лет гарантии

2 2 года гарантии

ЗОНЫ БЕЗОПАСНОСТИ

При установке радиатора с электрическим нагревателем необходимо соблюдать местные правила и зоны безопасности. В зонах 0 и 1 запрещается подключать электронагреватель к розетке. В зоне 2 установка электрических нагревателей BIAL разрешена, так как они изготовлены с соответствующей электрической защитой (IPX5).



ЗАЩИТА ПОВЕРХНОСТИ

Все внешние поверхности окрашены эпоксидным порошковым лаком. Некоторые модели также доступны в хромированной отделке. Трубный радиатор очищается мягкими жидкими чистящими средствами.

УПАКОВКА И ИНСТРУКЦИИ ПО УСТАНОВКЕ

Радиаторы упакованы в картонную упаковку и также содержат элементы защиты от повреждений, монтажные кронштейны, заглушки и выпускной клапан, гарантийный талон с технической инструкцией. Видео по установке см. по адресу www.everythinginplace.eu

ОБЩИЕ УСЛОВИЯ ВЕДЕНИЯ БИЗНЕСА

Общие условия ведения бизнеса и другую информацию можно найти на нашем веб-сайте www.everythinginplace.eu.

GENERALITÀ & INFORMAZIONI TECNICHE

BiAL
EVERYTHING IN PLACE

IT

ALLACCIAMENTO

Attacco laterale

Attacco centrale (50 mm)

TIPI DI VALVOLE

PRODOTTO IN

Al Alluminio

Fe Acciaio

COLORI

Bianco

Antracite

Sabbia

Platino

Cromo

PARAMETRI DI FUNZIONAMENTO

Tutti i raccordi sul lato radiatore sono 1/2". Pressione di esercizio fino a 7 bar (0,7 MPa). Temperatura di esercizio fino a 363 °K (90 °C). pH dell'acqua da 8 a 9,5. L'acqua nell'impianto di riscaldamento deve essere conforme alla norma ÖNORM H5195 o alla norma VDI 2035. Il drenaggio dell'impianto non è raccomandato.

MARCATURA CE

I prodotti Bial sono corredati di marcatura CE che indica la conformità dei prodotti con la normativa europea EN 442. CE

POTENZA TERMICA

La potenza termica del singolo modello è derivata dall'equazione caratteristica: Φ=KM ΔTn. La norma EN 442 definisce i metodi di prova e misurazione adottati dall'ente notificato per determinare la potenza termica e altre caratteristiche del radiatore. Per calcolare la potenza termica del radiatore in altre condizioni di funzionamento usare la formula $\Phi = \Phi s\ f_1$. La tabella di calcolo e il fattore f_1 sono disponibili sul nostro sito www.everythnginplace.eu

EN 442

RISCALDAMENTO CON RISCALDATORE ELETTRICO

Per il riscaldamento del radiatore tubolare si può usare anche il riscaldatore elettrico. In questo caso la potenza termica del radiatore è condizionata dalla potenza termica del riscaldatore elettrico installato. Per tutti i modelli e dimensioni disponibili di radiatori, la potenza massima prescritta del riscaldatore elettrico installabile è indicata nella tabella dei dati tecnici. La maggior parte dei radiatori BIAL consente l'allacciamento all'impianto di riscaldamento combinato: impianto centralizzato ad acqua calda o riscaldamento elettrico.

FONTE DI CALORE

Allacciamento all'impianto di riscaldamento centralizzato

Riscaldamento con riscaldatore elettrico

Riscaldamento combinato: riscaldamento centralizzato o riscaldatore elettrico

POTENZA TERMICA

Potenza termica del radiatore in conformità con la norma EN 442 (75/65/20 °C)

Potenza termica del radiatore - riscaldamento con riscaldatore elettrico

RISCALDATORE ELETTRICO

Regolazione del riscaldamento a 5 stadi (con il pulsante +/-)

2h Funzione di asciugatura della durata di 2 ore (pulsante 2h)

On/off riscaldatore

Funzione antigelo (il dispositivo si accende automaticamente quando la temperatura scende sotto i 6 °C)

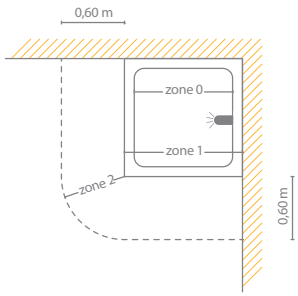
GARANZIA

5 5 anni di garanzia

2 2 anni di garanzia

ZONE DI SICUREZZA

Nell'installazione del radiatore con riscaldatore elettrico è necessario osservare le normative locali e le zone di sicurezza. Nelle zone 0 e 1 è vietato il collegamento del riscaldatore elettrico alla presa di corrente. Nella zona 2 è consentita l'installazione di riscaldatori elettrici BIAL perché vantano un grado di protezione elettrica (IPX5) adeguato.



PROTEZIONE SUPERFICIALE

Tutte le superfici esterne sono protette con vernici con polveri epossidiche. Alcuni modelli sono disponibili anche con finitura cromata. Per pulire il radiatore tubolare usare detergenti liquidi delicati.

IMBALLO E ISTRUZIONI DI MONTAGGIO

I radiatori sono confezionati in imballaggi di cartone e corredati di elementi di protezione, staffe di montaggio, tappi e valvola di sfiato, scheda di garanzia ed istruzioni tecniche. La video guida per il montaggio è disponibile sul sito www.everythinginplace.eu

TERMINI GENERALI E CONDIZIONI

I termini e le condizioni generali nonché altre informazioni sono disponibili sul nostro sito www.everythinginplace.eu.

INFORMACIÓN GENERAL Y TÉCNICA

ES

CONEXIÓN

Conexión lateral

Conexión central (50 mm)

TIPOS DE VÁLVULAS

FABRICADO EN

Al Aluminio

Fe Acero

COLORES

Blanco

Antracita

Arena

Platino

Cromo

PARÁMETROS DE OPERACIÓN

Todas las conexiones en el radiador son de 1/2". Presión de trabajo hasta 7 bares (0,7 MPa). Temperatura de funcionamiento hasta 363°K (hasta 90°C). Factor pH del agua de 8 a 9,5. El agua en el sistema de calefacción debe cumplir con la norma ÖNORM H5195 o la norma VDI 2035. No se recomienda el drenaje de la red de agua.

MARCADO CE

Los productos BIAL tienen el marcado CE, lo que demuestra que los productos cumplen con la norma europea EN442.

CE

POTENCIA CALORÍFICA

La potencia calorífica de cada modelo se deriva de la ecuación característica: Φ=KM ΔTn. La norma EN442 define los métodos de prueba y medición utilizados por un organismo notificado (notified body) para determinar la potencia calorífica y otras características de un radiador. El cálculo de la salida de calor del radiador a otras condiciones de funcionamiento se calcula utilizando la fórmula $\Phi = \Phi s\ f_1$. La tabla de conversión y el factor f_1 se pueden encontrar en nuestro sitio web en www.everythnginplace.eu

EN 442

CALEFACCIÓN CON CALENTADOR ELÉCTRICO

El radiador de tubo también se puede calentar con la ayuda de un calentador eléctrico. En este caso, la potencia calorífica del radiador está condicionada por la potencia térmica del calentador eléctrico incorporado. Para cada modelo y tamaño de radiador, la potencia nominal máxima del calentador eléctrico que se puede instalar se especifica en el cuadro de los datos técnicos. La mayoría de los modelos de radiadores BIAL también se pueden conectar como calefacción combinada: calefacción central por agua caliente o calefacción eléctrica.

FUENTE DE CALOR

Conectado a la calefacción central

Calefaccionada por un calentador eléctrico

Calefacción combinada: calefacción central o calentador eléctrico

POTENCIA CALORÍFICA

Salida de calor del radiador según la norma EN442 (75/65/20°C)

Potencia calorífica del radiador - calefaccionado por calentador eléctrico

CALENTADOR ELECTRICO

Control de la calefacción de 5 niveles (con botón +/-)

Función de secado de 2 horas (botón 2h)

Funcionamiento on/off del calentador

Función de protección contra heladas (si la temperatura cae por debajo de 6°C, el dispositivo se enciende

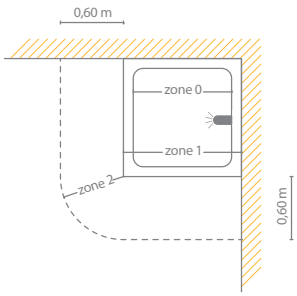
GARANTÍA

5 5 años de garantía

2 2 años de garantía

ZONAS DE SEGURIDAD

Al instalar un radiador con un calentador eléctrico, se deben observar las regulaciones locales y las zonas de seguridad de la instalación. En las zonas 0 y 1 está prohibido conectar el calentador eléctrico a la toma de corriente. La instalación de calentadores eléctricos BIAL está permitida en la zona 2 ya que están fabricados con la protección eléctrica adecuada (IPX5).



PROTECCIÓN DE LA SUPERFICIE

Todas las superficies exteriores están pintadas con laca de polvo epoxi. Algunos modelos también están disponibles en acabado cromado. El radiador con tubos se limpia con detergentes de limpieza líquidos suaves.

EMBALAJE E INSTRUCCIONES DE MONTAJE

Los radiadores están empaquetados en cajas de cartón y también contienen elementos de protección contra daños, soportes de montaje, tapones y válvula de ventilación, garantía con instrucciones técnicas. Para ver un video del montaje, consulte www.everythinginplace.eu

CONDICIONES GENERALES OPERATIVAS

Las condiciones generales operativas y otra información se pueden encontrar en nuestro sitio web www.everythinginplace.eu.

INFORMACJE OGÓLNE & TECHNICZNE

PL

PODŁĄCZENIE

Podłączenie boczne

Podłączenie centralne (50 mm)

RODZAJE ZAWORÓW

Przyłącze proste

Przyłącze kątowe

WYKONANE Z

Al Aluminium

Fe Stal

KOLORY

Biały

Antracytowy

Piaskowy

Platyna

Chrom

PARAMETRY PRACY

Wszystkie przyłącza grzejnika mają wymiary 1/2". Ciśnienie robocze do 7 bar (0,7 MPa). Temperatura robocza do 363°K (do 90°C). Współczynnik pH wody od 8 do 9,5. Woda w systemie grzewczym musi odpowiadać jakości zgodnie z normą ÖNORM H5195 lub zgodnie z normą VDI 2035. Nie zaleca się spuszczania wody z sieci.

OZNACZENIE CE

Produkty BIAL są oznaczone znakiem CE, co potwierdza, że są zgodne z normą europejską EN442.

CE

MOC CIEPLNA

Moc cieplną poszczególnych modeli wyprowadza się z równania charakterystycznego: Φ=KM ΔTn. Norma EN442 definiuje metody badań i pomiarów używanych przez certyfikowaną jednostkę notyfikowaną (notified body) podczas określania mocy cieplnej i innych cech grzejnika. Obliczenie wyjściowej mocy grzejnika i innych warunków pracy można wykonać przy pomocy formuły $\Phi = \Phi s\ f_1$. Tabelę do obliczeń i współczynnik f_1 znajdziecie na naszej stronie internetowej www.everythnginplace.eu

EN 442

OGRZEWANIE ELEKTRYCZNYM URZĄDZENIEM GRZEWCZYM

Grzejnik rurowy można ogrzewać przy pomocy elektrycznego urządzenia grzewczego. W takim przypadku moc cieplna grzejnika jest warunkowana przez moc cieplną zainstalowanego elektrycznego urządzenia grzewczego. Dla wszystkich modeli i wymiarów grzejników, zamieszczono w tabeli danych technicznych maksymalną moc urządzenia grzewczego, które można zainstalować. Większość modeli grzejników BIAL można podłączać do łączonych systemów grzewczych: ogrzewanie centralne lub ogrzewanie elektryczne.

ŹRÓDŁO CIEPŁA

Podłączone do ogrzewania centralnego

Ogrzewane przez elektryczne urządzenie grzewcze

Ogrzewanie łączone: ogrzewanie centralne lub elektryczne urządzenie grzewcze

MOC CIEPLNA

Moc cieplna grzejnika jest zgodna z normą EN442 (75/65/20 °C)

Moc cieplna grzejnika - ogrzewane przez elektryczne urządzenie grzewcze

ELEKTRYCZNE URZĄDZENIE GRZEWCZE

5-stopniowa regulacja grzania (przyciskiem +/-)

2h 2-godzinna funkcja suszenia (2h przycisk)

on/off działanie grzałki

Funkcja ochrony przed zamarzaniem (jeśli temperatura spadnie poniżej 6°C urządzenie włączy się

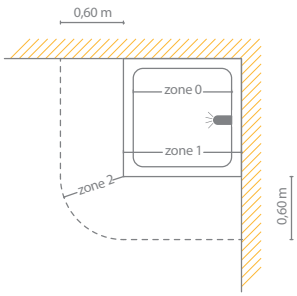
GWARANCJA

5 5 lat gwarancji

2 2 lata gwarancji

STREFY BEZPIECZEŃSTWA

Podczas instalacji grzejnika z elektrycznym urządzeniem grzewczym należy przestrzegać lokalnych przepisów i stref bezpieczeństwa instalacji. W strefie 0 i 1 zabronione jest podłączanie elektrycznego urządzenia grzewczego do gniazdka. W strefie 2 dopuszczalna jest instalacja elektrycznych urządzeń grzewczych BIAL, ponieważ posiadają odpowiedni stopień ochrony elektrycznej (IPX5).



ZABEZPIECZENIE POWIERZCHNI

Wszystkie powierzchnie zewnętrzne są pokryte proszkową farbą epoksydową. Niektóre modele są również dostępne w wersji chromowanej. Do czyszczenia grzejnika rurowego stosuje się delikatne płynne środki czyszczące.

OPAKOWANIE I INSTRUKCJA MONTAŻU

Grzejniki są pakowane w opakowania kartonowe i zawierają również elementy zabezpieczające przed uszkodzeniami, wsporniki mocujące, korki i zawory odpowietrzające, kartę gwarancyjną z instrukcją techniczną. Video montażu można obejrzeć na www.everythinginplace.eu

OGÓLNE WARUNKI HANDLOWE

Ogólne warunki handlowe i inne informacje znajdziecie na naszej stronie internetowej www.everythinginplace.eu.

OPŠTE I TEHNIČKE INFORMACIJE

SRB

PRIKLJUČIVANJE

Bočno priključivanje

Centralno priključivanje (50mm)

TIPOVI VENTILA

Ravno priključivanje

Ugaono priključivanje

NAPRAVLJENO OD

Al Aluminijuma

Fe Čelika

BOJE

Bela

Antracit

Boja peska

Platinasta

Hrom

PARAMETRI FUNKCIONISANJA

Svi priključci na radijatoru imaju dimenzije 1/2". Radni pritisak do 7 bara (0,7 MPa). Radna temperatura do 363°K (do 90°C). Ph faktor vode od 8 do 9,5. Voda u sistemu za grejanje mora da odgovara standardu kvaliteta ÖNORM H5195 ili standardu VDI 2035. Ne preporučuje se ispuštanje vode iz mreže.

CE OZNAKA

Proizvodi BIAL imaju CE oznaku, što dokazuje da si napravljeni u skladu sa evropskim standardom EN442. CE

TERMIČKA SNAGA

Termička snaga pojedinačnog modela proizilazi iz karakteristične jednačine: Φ=KM ΔTn. Standard EN442 definiše metode za testiranje i merenje koje koristi sertifikovani prijavljeni organ (notified body) prilikom određivanja termičke snage i drugih karakteristika radijatora. Preračunavanje izlazne termičke snage radijatora na druge načine funkcionisanja izračunavamo formulom $\Phi = \Phi s\ f_1$. Tabelu za preračunavanje i faktor f_1 možete naći na našoj internet stranici www.everythnginplace.eu

EN 442

GREJANJE ELEKTRIČNIM GREJAČEM

Cevni radijator možete da grejete i pomoću električnog grejača. U ovom slučaju, termičku snagu radijatora uslovljava termička snaga ugrađenog električnog grejača. Za svaki model i dimenziju radijatora u tabeli sa tehničkim podacima propisana je maksimalna snaga električnog grejača koji možete da ugradite. Većinu modela radijatora BIAL možete da priključite i kao kombinovano grejanje: centralno toplovodno grejanje ili električno grejanje.

IZVOR TOPLOTE

Priključeno na centralno grejanje

Grejanje na električni grejač

Kombinovano grejanje: centralno grejanje ili električni grejač

TERMIČKA SNAGA

Termička snaga radijatora u skladu sa standardom EN442 (75/65/20°C)

Termička snaga radijatora - grejano električnim grejačem

ELEKTRIČNI GREJAČ

5-stepena regulacija grejanja (dugmetom +/-)

2h 2-časovna funkcija sušenja (dugme 2h)

uključivanje/isključivanje grejača

Funkcija zaštite od smrzavanja (ako temperatura padne ispod 6°C, uređaj se automatski uključuje)

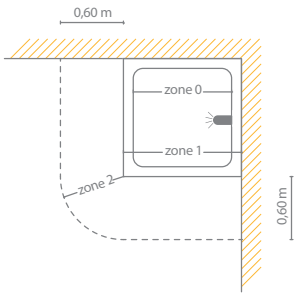
GARANCIJA

5 5 godina garancije

2 2 godina garancije

BEZBEDNOSNE ZONE

Prilikom ugrađivanja radijatora sa električnim grejačem treba poštovati lokalno zakonodavstvo i bezbednosne zone ugradnje. U zoni 0 i 1 zabranjeno je priključivanje električnog grejača na utičnicu. U zoni 2 dozvoljena je ugradnja električnih grejača BIAL jer imaju adekvatnu električni zaštitu (IPX5).



POVRŠINSKA ZAŠTITA

Sve spoljašnje površine obojene su epoksi lakom u prahu. Neki modeli se dobavljaju i u hromiranoj verziji. Cevni radijator čistite blagim tečnim sredstvima za čišćenje.

AMBALAŽA I UPUTSTVA ZA MONTAŽU

Radijatori su spakovani u kartonsku ambalažu i sadrže zaštitne elemente koji štite od oštećenja, nosače za pričvršćivanje, čepove i odzračni ventil, kao i garancijski list sa tehničkim uputstvom. Video za montažu možete pogledati na www.everythinginplace.eu

OPŠTI USLOVI POSLOVANJA

Opšte uslove poslovanja i ostale informacije možete naći na našoj internet stranici www.everythinginplace.eu.

SPLOŠNO & TEHNIČNE INFORMACIJE

SL

PRIKLJUČITEV

Stranski priklop

Sredinski priklop (50mm)

TIPI VENTILOV

Ravni priklop

Kotni priklop

IZDELANO IZ

Al Aluminij

Fe Jeklo

BARVE

Bela

Antracit

Peščena

Platinum

Krom

PARAMETRI OBRATOVANJA

Vsi priključki na radiatorju so dimentije 1/2". Delovni tlak do 7bar (0,7 MPa). Delovna temperatura do 363°K (do 90°C). Ph faktor vode od 8 do 9,5. Voda v ogrevalnem sistemu mora odgovarjati kakovosti po standardu ÖNORM H5195 ali po standardu VDI 2035. Izpuščanje vode iz omrežja ni priporočljivo.

CE-OZNAKA

Izdelki BIAL so označen s CE oznako, kar dokazuje, da so izdelki skladni z evropskim standardom EN442. CE

TOPLOTNA MOČ

Toplotna moč posameznega modela izhaja iz karakteristične enačbe: Φ=KM ΔTn. Standard EN442 definira preskusne in merilne metode, ki jih uporablja certificiran priglašen organ (notified body) pri določitvi toplotne moče in drugih karakteristik radiatorja. Preračun izhodne toplotne moči radiatorja na druge obratovalne pogoje izračunate s pomočjo formule $\Phi = \Phi s\ f_1$. Tabelo za preračun in faktor f_1 najdete na naši internetni strani www.everythnginplace.eu

EN 442

GRETJE Z ELEKTRIČNIM GRELCEM

Cevni radiator lahko ogrevate tudi s pomočjo električnega grelca. V tem primeru toplotno moč radiatorja pogojuje toplotna moč vgrajenega električnega grelca. Za vsak model in dimenzijo radiatorja je v tabeli tehničnih podatkov predpisana maksimalna moč električnega grelca, ki ga lahko vgradite. Večino modelov radiatorjev BIAL lahko priključite tudi kot kombinirano gretje: centralno toplovodno ogrevanje ali električno ogrevanje.

IZVOR TOPLOTE

Priključeno na centralno ogrevanje

Ogrevano z električnim grelcem

Kombinirano ogrevanje: centralno ogrevanje ali električni grelec

TOPOLOTNA MOČ

Toplotna moč radiatorja skladnos standardom EN442 (75/65/20°C)

Toplotna moč radiatorja - ogrevano z električnim grelcem

ELEKTRIČNI GRELEC

5-stopenjska regulacija gretja (z gumbom +/-)

2h 2-urna funkcija sušenja (2h gumb)

on/off delovanje grelca

Funkcija zaščite proti zmrzali (če temperatura pade pod 6°C se naprava vključi avtomatično)

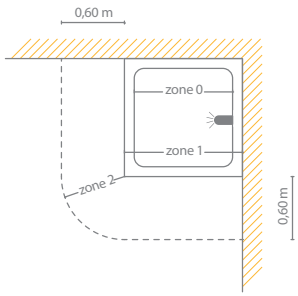
GARANCIJA

5 5 let garancije

2 2 leti garancije

VARNOSTNE CONE

Pri vgradnji radiatorja z električnim grelcem je potrebno upoštevati lokalno zakonodajo in varnostne cone vgradnje. V coni 0 in 1 je prepovedana priključitev električnega grelca na vtičnico. V coni 2 je dovoljena vgradnja električnih grelcev BIAL, saj so izdelani z ustrezno električno zaščito (IPX5).



POVRŠINSKA ZAŠČITA

Vse zunanje površine so barvane z epoxy prašnim lakom. Nekateri modeli so dobavljivi tudi v kromirani izvedbi. Cevni radiator se čisti z blagimi tekočimi čistilnimi sredstvi.

EMBALAŽA IN NAVODILA ZA MONTAŽO

Radiatorji so embalirani v kartonski embalaži in vsebujejo tudi zaščitne elemente pred poškodbami, pritrdilne nosilce, čepe in odzračevalni ventil, garancijski list s tehničnim navodilom. Video za montažo si oglejte na www.everythinginplace.eu

SPLOŠNI POGOJI POSLOVANJA

Splošne pogoje poslovanja in druge informacije najdete na naši internetni strani www.everythinginplace.eu.

OPĆE & TEHNIČKE INFORMACIJE

HR

SPAJANJE

Bočno spajanje

Središnje spajanje (50 mm)

TIPOVI VENTILA

Ravno spajanje

Kutno spajanje

IZRAĐENO OD

Aluminija

Čelika

BOJE

Bijela

Antracit

Boja pijeska

Platinum

Krom

PARAMETRI RADA

Svi priključci na radijatoru su dimenzije 1/2". Radni tlak do 7 bar (0,7 MPa). Radna temperatura do 363 °K (do 90 °C). Ph faktor vode od 8 do 9,5. Voda u sustavu grijanja mora odgovarati kvaliteti po standardu ÖNORM H5195 ili po standardu VDI 2035. Ne preporuča se ispuštanje vode iz mreže.

CE-OZNAKA

Proizvodi BIAL označeni su CE oznako, što dokazuje da su proizvodi u skladu s europskom normom EN442. CE

TOPLINSKA SNAGA

Toplinska snaga određenog modela proizlazi iz karakteristične jednadžbe: Φ=KM ΔTn. Norma EN442 definira metode ispitivanja i mjerenja koje primjenjuje certificirano prijavljeno tijelo (notified body) prilikom određivanja toplinske snage i drugih značajki radijatora. Preračun izlaze toplinske snage radijatora na druge radne uvjete izračunate pomoću formule $\Phi = \Phi s\ f_1$. Tablicu za preračun i faktor f_1 možete naći na našoj internetskoj stranici www.everythnginplace.eu

EN 442

GRIJANJE ELEKTRIČNIM GRIJAČEM

Cijevi radijator možete grijati pomoću električnog grijača. U tom slučaju toplinsku snagu uvjetuje toplinska snaga ugrijanog električnog grijača. Za svaki model i dimenziju radijatora u tablici tehničkih podataka propisana je maksimalna snaga električnog grijača koji možete ugraditi. Većinu modela radijatora BIAL možete priključiti i kao kombinirano grijanje: centralno grijanje toplom vodim ili električno grijanje.

IZVOR TOPLINE

Priključeno na centralno grijanje

Grijano električnim grijačem

Kombinirano grijanje: centralno grijanje ili električni grijač

TOPLINSKA SNAGA

Toplinska snaga u skladu s normom EN442 (75/65/20 °C)

Toplinska snaga radijatora - grijano električnim grijačem

ELEKTRIČNI GRIJAČ

stupanjska regulacija grijanja (gumbom +/-)

2-satna funkcija sušenja (2h gumb)

on/off rad grijača

Funkcija zaštite od smrzavanja (ako temperatura padne ispod 6 °C, uređaj se automatski isključi)

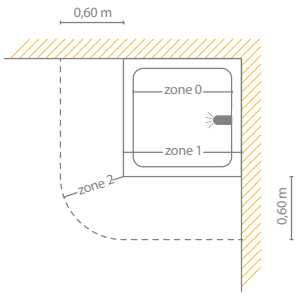
JAMSTVO

5 godina jamstva

2 godina jamstva

SIGURNOSNE ZONE

Prilikom ugradnje radijatora s električnim grijačem potrebno je poštivati lokalno zakonodavstvo i sigurnosne zone ugradnje. U zoni 0 i 1 zabranjeno je spajanje električnog grijača na utičnicu. U zoni 2 dozvoljena je ugradnja električnih grijača BIAL jer su izrađeni s odgovarajućom električnom zaštitom (IPX5).



POVRŠINSKA ZAŠTITA

Sve vanjske površine su obojene epoksi prašnim lakom. Neki modeli isporučuju se i u kromiranoj izvedbi. Cijevni radijator čisti se blagim tekućim sredstvima za čišćenje.

AMBALAŽA I UPUTE ZA MONTAŽU

Radijatori su pakirani u kartonsku ambalažu i sadrže: elemente za zaštitu od oštećenja, pričvrsne nosače, čepovi i ventil za odzračivanje, jamstveni list s tehničkim uputama. Video montaže pogledajte na www.everythinginplace.eu

OPĆI UVJETI POSLOVANJA

Opće uvjete poslovanja i druge informacije možete naći na našoj internetskoj stranici www.everythinginplace.eu.

01/20

RADIATOR HEAT OUTPUT CALCULATION TABLE FACTOR f_1

BiAL
EVERYTHING IN PLACE

Conversion factor f_1 for the calculation of the standardized heat output at 75/65/20°C for deflection temperature systems:
$\Phi=\Phi_s \times f_1$

The exponent **(n)** of a radiator depends on the radiator model and type, which can be found in the technical data table for the relevant radiator or on the product's packaging.

For the remaining values of exponent n, which are not listed in the table, the correction factor can be precisely calculated with the foreseen formula or interpolated. Also the exponent n = 1,3 can be used for a rough estimation.

t_2			Output temperature t_2 in °C																	
			70			65			60			55			50			45		
			Radiator exponent n																	
Input temperature t1 in °C	t_1	Air temperature t_r in °C	1,25	1,30	1,35	1,25	1,30	1,35	1,25	1,30	1,35	1,25	1,30	1,35	1,25	1,30	1,35	1,25	1,30	1,35
	90	10	1,516	1,542	1,568	1,499	1,462	1,483	1,363	1,380	1,397	1,283	1,296	1,309	1,201	1,210	1,219	1,117	1,122	1,127
		15	1,380	1,398	1,416	1,311	1,319	1,333	1,228	1,238	1,248	1,149	1,155	1,162	1,067	1,070	1,073	0,982	0,981	0,981
		18	1,300	1,131	1,327	1,229	1,235	1,245	1,148	1,155	1,161	1,069	1,072	1,075	0,987	0,987	0,986	0,902	0,898	0,894
		20	1,247	1,258	1,269	1,175	1,180	1,187	1,096	1,100	1,104	1,017	1,017	1,018	0,935	0,932	0,930	0,849	0,843	0,838
		22	1,194	1,202	1,211	1,122	1,125	1,130	1,043	1,045	1,047	0,964	0,963	0,962	0,882	0,878	0,874	0,796	0,789	0,781
		24	1,142	1,148	1,154	1,069	1,071	1,073	0,992	0,991	0,991	0,913	0,909	0,906	0,830	0,824	0,181	0,743	0,734	0,726
	85	10	1,454	1,476	1,498	1,387	1,398	1,416	1,305	1,319	1,333	1,228	1,238	1,248	1,149	1,155	1,162	1,067	1,070	1,073
		15	1,319	1,334	1,349	1,251	1,258	1,269	1,172	1,180	1,187	1,096	1,100	1,104	1,017	1,017	1,018	0,935	0,932	0,930
		18	1,240	1,251	1,261	1,171	1,175	1,182	1,094	1,098	1,102	1,017	1,018	1,019	0,939	0,936	0,934	0,856	0,851	0,846
		20	1,187	1,196	1,204	1,118	1,121	1,125	1,042	1,044	1,045	0,966	0,964	0,963	0,887	0,883	0,878	0,804	0,797	0,790
		22	1,135	1,141	1,147	1,065	1,067	1,069	0,991	0,990	0,990	0,915	0,911	0,908	0,836	0,830	0,824	0,753	0,744	0,736
		24	1,084	1,087	1,091	1,013	1,013	1,014	0,941	0,937	0,935	0,864	0,859	0,854	0,785	0,777	0,770	0,701	0,691	0,682
	80	10	1,391	1,409	1,428	1,325	1,334	1,349	1,247	1,258	1,269	1,172	1,180	1,187	1,096	1,100	1,104	1,017	1,017	1,018
		15	1,258	1,269	1,281	1,191	1,196	1,204	1,116	1,121	1,125	1,042	1,044	1,045	0,966	0,964	0,963	0,887	0,883	0,878
		18	1,179	1,187	1,195	1,111	1,114	1,119	1,038	1,041	1,041	0,965	0,964	0,962	0,889	0,885	0,881	0,810	0,803	0,797
		20	1,127	1,133	1,138	1,059	1,061	1,063	0,987	0,987	0,986	0,914	0,911	0,908	0,839	0,833	0,827	0,759	0,751	0,743
		22	1,076	1,097	1,082	1,008	1,008	1,008	0,937	0,934	0,932	0,864	0,859	0,854	0,788	0,781	0,773	0,709	0,699	0,690
		24	1,025	1,026	1,027	0,956	0,955	0,954	0,887	0,883	0,878	0,814	0,808	0,801	0,739	0,730	0,721	0,659	0,648	0,637
	75	10	1,326	1,342	1,357	1,262	1,269	1,281	1,187	1,196	1,204	1,116	1,121	1,125	1,042	1,044	1,045	0,966	0,964	0,963
		15	1,195	1,204	1,212	0,130	1,130	1,138	1,058	1,061	1,036	0,987	0,987	0,986	0,914	0,911	0,908	0,839	0,833	0,827
		18	1,118	1,122	1,127	1,051	1,053	1,055	0,982	0,981	0,981	0,912	0,908	0,905	0,839	0,833	0,827	0,763	0,755	0,747
		20	1,066	1,069	1,072	1,000	1,000	1,000	0,932	0,929	0,927	0,862	0,857	0,852	0,789	0,782	0,775	0,714	0,704	0,695
		22	1,016	1,016	1,017	0,949	0,948	0,946	0,882	0,878	0,874	0,813	0,806	0,799	0,740	0,732	0,723	0,665	0,654	0,643
		24	0,966	0,964	0,963	0,899	0,897	0,893	0,833	0,827	0,821	0,764	0,756	0,748	0,692	0,682	0,672	0,616	0,604	0,592
	70	10				1,198	1,204	1,212	1,127	1,133	1,138	1,058	1,061	1,063	0,987	0,987	0,986	0,914	0,911	0,908
		15				1,068	1,069	1,072	1,000	1,000	1,000	0,932	0,929	0,927	0,862	0,857	0,852	0,789	0,782	0,755
		18				0,991	0,990	0,990	0,925	0,922	0,919	0,858	0,853	0,847	0,788	0,781	0,733	0,716	0,707	0,697
		20				0,940	0,939	0,936	0,876	0,871	0,867	0,809	0,802	0,795	0,740	0,731	0,722	0,668	0,657	0,646
		22				0,890	0,887	0,883	0,827	0,821	0,815	0,761	0,752	0,744	0,692	0,682	0,672	0,620	0,608	0,596
		24				0,840	0,837	0,831	0,779	0,771	0,763	0,713	0,703	0,694	0,644	0,633	0,622	0,572	0,560	0,547
	65	10							1,066	1,069	1,072	1,000	1,000	1,000	0,932	0,929	0,927	0,862	0,857	0,852
		15							0,941	0,939	0,936	0,876	0,871	0,867	0,809	0,802	0,795	0,740	0,731	0,722
		18							0,867	0,862	0,857	0,803	0,796	0,789	0,737	0,728	0,719	0,668	0,657	0,647
		20							0,818	0,812	0,805	0,755	0,746	0,738	0,689	0,679	0,669	0,621	0,609	0,597
		22							0,770	0,762	0,755	0,707	0,698	0,688	0,642	0,631	0,620	0,574	0,561	0,549
		24							0,723	0,714	0,705	0,661	0,650	0,639	0,596	0,584	0,572	0,528	0,515	0,502
	60	10										0,941	0,939	0,936	0,876	0,871	0,867	0,809	0,802	0,795
		15										0,818	0,812	0,805	0,755	0,746	0,738	0,689	0,679	0,669
		18										0,747	0,738	0,729	0,684	0,674	0,664	0,619	0,607	0,596
		20										0,700	0,690	0,680	0,638	0,626	0,615	0,573	0,560	0,548
		22										0,653	0,642	0,631	0,592	0,579	0,567	0,528	0,517	0,501
		24										0,607	0,595	0,584	0,546	0,533	0,521	0,483	0,469	0,455
	55	10													0,818	0,812	0,805	0,755	0,746	0,738
		15													0,700	0,690	0,680	0,638	0,626	0,615
		18													0,630	0,619	0,607	0,569	0,556	0,544
		20													0,585	0,572	0,560	0,524	0,511	0,498
		22													0,540	0,527	0,514	0,480	0,466	0,453
		24													0,496	0,482	0,469	0,437	0,422	0,409

If the input temperature exceeds 90°C, f_1 shall be determined by means of the listed equations.

$$\Phi=\Phi_s \times f_1 \text{ or } \Phi=\Phi_s \times \left(\frac{\Delta t}{\Delta t_n}\right)^n$$

$$\text{with } \Delta t = \frac{(t_1-t_r)-(t_2-t_r)}{\text{in}\left(\frac{t_1-t_r}{t_2-t_r}\right)} = \frac{t_1-t_2}{\text{in}\left(\frac{t_1-t_r}{t_2-t_r}\right)}$$

Example: **BIAL ALTA midd**
Let's calculate the heat output for the 60/45/24°C temperature regime.

Model: ALTA midd 600x1694; Φ_s= 916W, Exponent n=1,246
t_1=60°C, t_2=45°C, t_r=24°C

f_1 from table: f_1=0,483
$\Phi=\Phi_s \times f_1$=916W x 0,469=429,60W