

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 ACCESSORIES
- 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/antracite
- 23 antracite/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).

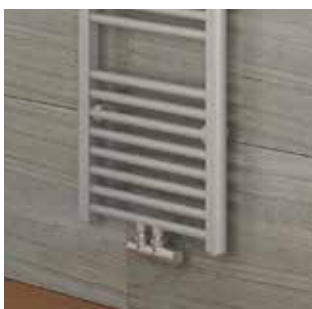
TREND

 **BIAL**
EVERYTHING IN PLACE

TUBE RADIATOR ALTA



DESIGN YOUR OWN SOLUTION



Available in all BIAL colours



BIAL design valves



Electric heater with 2-hour drying function

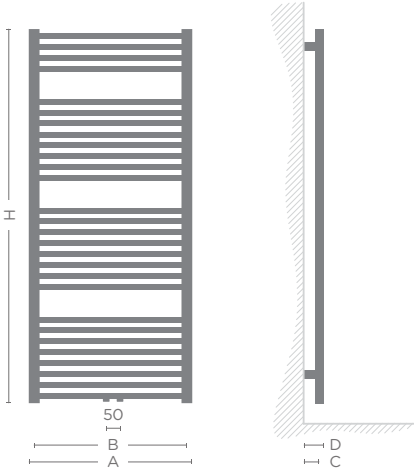


CODE GENERATOR

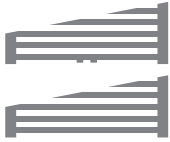
TUBE RADIATOR: ALTA

ORDER GENERATOR TUBE RADIATOR

31 XXX YYYY ZZ



YYYY	A (mm)	H (mm)	B (mm)	C (mm)	D (mm)	m (kg)	n exp.	P ₁ (Watt)	P ₂ (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 mid 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

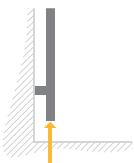
YYYY	0400	0600	0800	1000
Watt P ₁	400	600	800	1000

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



DESIGN YOUR OWN SOLUTION



Oval design



Available in all BIAL
colours



Electric heater with
2-hour drying function

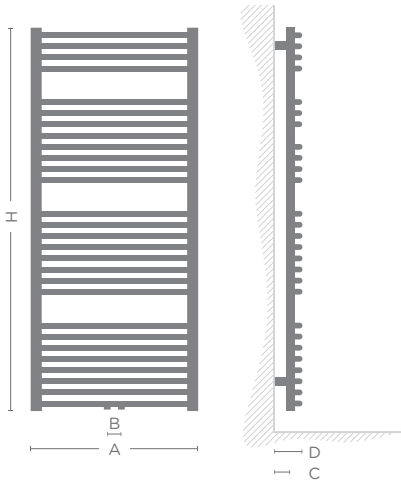


CODE GENERATOR

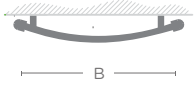
TUBE RADIATOR: **SORA**

ORDER GENERATOR TUBE RADIATOR

31 XXX YYYY ZZ



YYYY	A (mm)	H (mm)	B (mm)	C (mm)	D (mm)	m (kg)	n exp.	P (Watt)	P (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



SORA XXX = 021



SORA midd XXX = 022



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

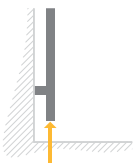
YYYY	0400	0600	0800	1000
Watt P	400	600	800	1000

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

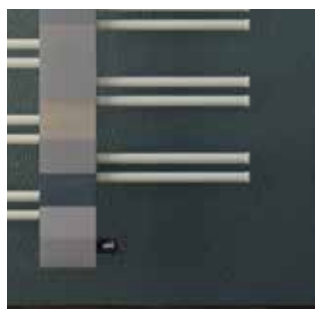


28 004 001 ZZ

DESIGN RADIATOR A100



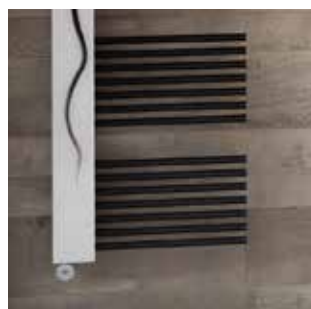
DESIGN YOUR OWN SOLUTION



Available in all BIAL colours



BIAL design valves



Electric heater with 2-hour drying function

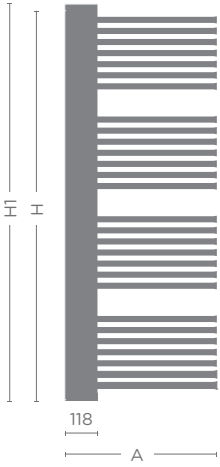


CODE GENERATOR

DESIGN RADIATOR A100

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.	P _{max} (Watt)	P _{min} (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



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 P _{max}	400	600	800	1000

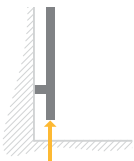
ZZ	01	05	06

white chrome black



ORDER GENERATOR VALVE

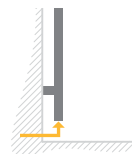
28 XXX YYYY ZZ



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

DESIGN RADIATOR A200



DESIGN YOUR OWN SOLUTION



Available in all BIAL colours



BIAL design valves



BIAL design cover masks

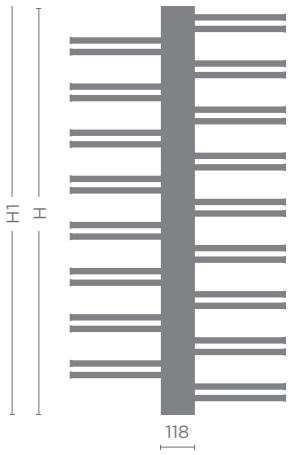


CODE GENERATOR

DESIGN RADIATOR A200

ORDER GENERATOR DESIGN RADIATOR A200

31 XXX YYYY ZZ



A200
COVER
XXX = 005



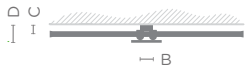
A200
ZEN
XX = 007



A200
MIRROR
XXX = 006



A200
LINES
XXX = 008



ZZ	01	02	03	04

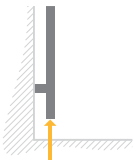
white anthracite sandy platinum

YYYY	A (mm)	H (mm)	H1 (mm)	B (mm)	C (mm)	D (mm)	m (kg)	(Watt)
7513	750	1374	1485	50	48-68	80-100	18,27	625
7516	750	1694	1810	50	48-68	80-100	22,23	770



ORDER GENERATOR VALVE

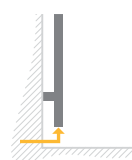
28 XXX YYYY ZZ



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

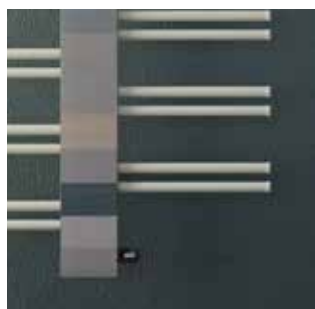


28 004 001 ZZ

DESIGN RADIATOR A300



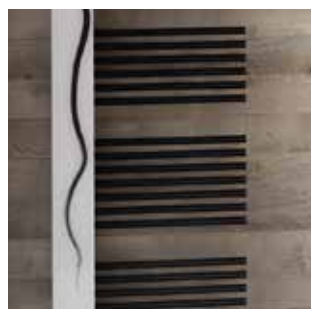
DESIGN YOUR OWN SOLUTION



Available in all BIAL colours



BIAL design thermostatic heads



BIAL design cover masks

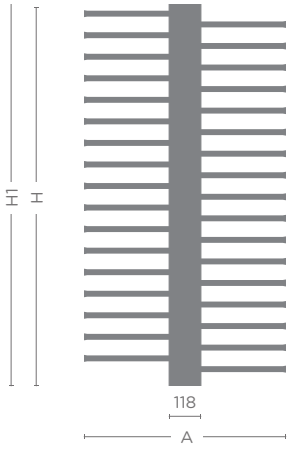


CODE GENERATOR

DESIGN RADIATOR A300

ORDER GENERATOR DESIGN RADIATOR A300

31 XXX YYYY ZZ

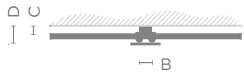


A300
COVER
XXX = 009

A300
ZEN
XX = 011

A300
MIRROR
XXX = 010

A300
LINES
XXX = 012



ZZ	01	02	03	04

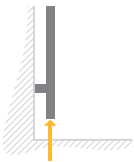
white anthracite sandy platinum

YYYY	A (mm)	H (mm)	H1 (mm)	B (mm)	C (mm)	D (mm)	m (kg)	(Watt)
7513	750	1374	1485	50	48-68	80-100	17,34	646
7516	750	1694	1810	50	48-68	80-100	20,27	801



ORDER GENERATOR VALVE

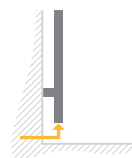
28 XXX YYYY ZZ



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

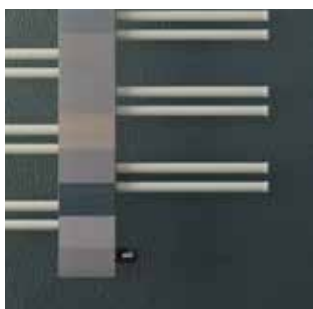


28 004 001 ZZ

DESIGN RADIATOR OVAL



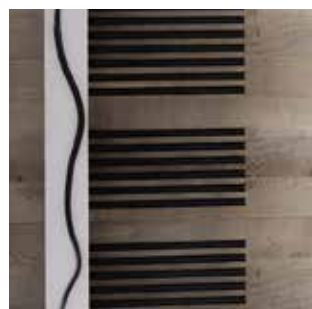
DESIGN YOUR OWN SOLUTION



Available in all BIAL colours



BIAL design thermostatic heads



BIAL design cover masks

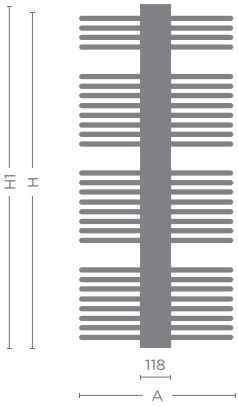


CODE GENERATOR

DESIGN RADIATOR OVAL

ORDER GENERATOR OVAL

31 XXX YYYY ZZ



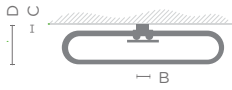
OVAL COVER
XXX = 033



OVAL ZEN
XX = 034



OVAL LINES
XXX = 035



ZZ	01	02	03	04
	white	anthracite	sandy	platinum

YYYY	A (mm)	H (mm)	H1 (mm)	H1 (electric) (mm)	B (mm)	C (mm)	D (mm)	m (kg)	n exp.	P (Watt)	P (Watt)
6013	600	1374	1485	1407	50	48-68	175-195	19.44	1.2731	1310	1000
6016	600	1694	1810	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

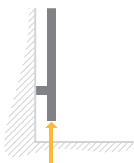
YYYY	0400	0600	0800	1000
Watt P	400	600	800	1000

ZZ	01	05	06
	white	chrome	black



ORDER GENERATOR VALVE

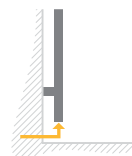
28 XXX YYYY ZZ



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



DESIGN YOUR OWN CONFIGURATION



BIAL accessories - more space for your towels



BIAL design valves



Available in all BIAL colours

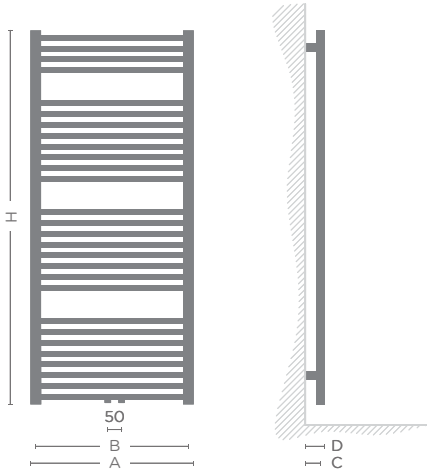


CODE GENERATOR

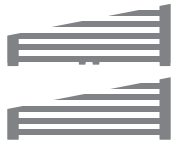
CONFIGURATION SMART: **RAIL S**

ORDER GENERATOR TUBE RADIATOR

31 XXX YYYY ZZ



YYYY	A (mm)	H (mm)	B (mm)	C (mm)	D (mm)	m (kg)	n exp.	(Watt) ^P	(Watt) ^P
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**

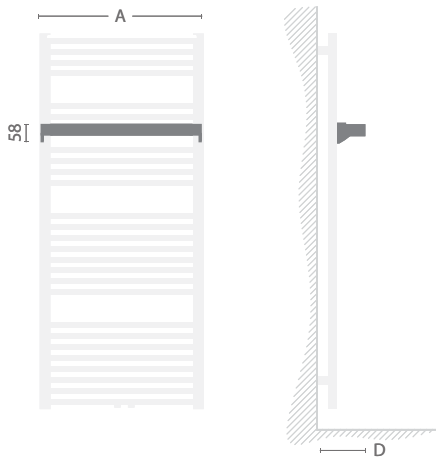


ZZ	01	02	03	04
	white	anthracite	sandy	platinum



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 ^P	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

white chrome

CONFIGURATION SMART SHELF



DESIGN YOUR OWN CONFIGURATION



Electric heater with
2-hour drying function



Smart accessories: BOX



BIAL design valves

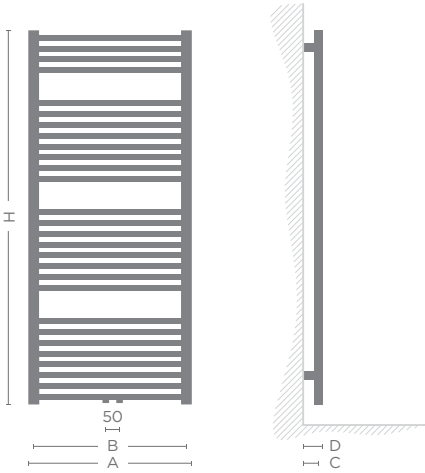


CODE GENERATOR

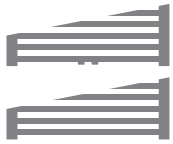
CONFIGURATION SMART: **SHELF**

ORDER GENERATOR TUBE RADIATOR

31 XXX YYYY ZZ



YYYY	A (mm)	H (mm)	B (mm)	C (mm)	D (mm)	m (kg)	n exp.	(Watt) ^P	(Watt) ^P
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**

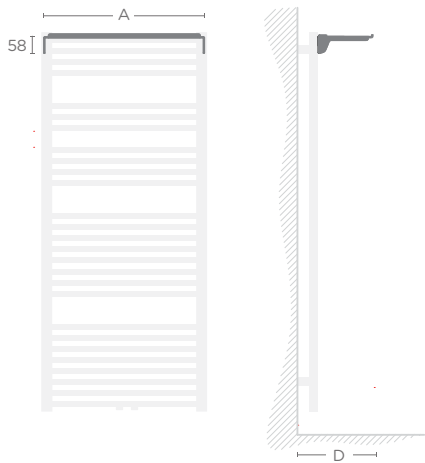


ZZ	01	02	03	04
	white	anthracite	sandy	platinum



ORDER GENERATOR ACCESSORIES SET: 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



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 ^P	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

white chrome



CONFIGURATION SMART DUO



DESIGN YOUR OWN CONFIGURATION



Available in all BIAL colours



Smart accessories: BOX



Electric heater with 2-hour drying function

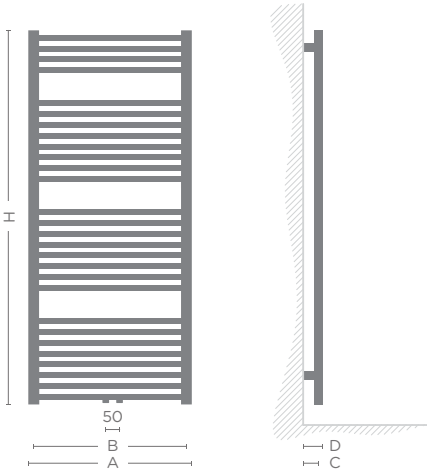


CODE GENERATOR

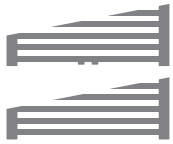
CONFIGURATION SMART: **DUO**

ORDER GENERATOR TUBE RADIATOR

31 XXX YYYY ZZ



YYYY	A (mm)	H (mm)	B (mm)	C (mm)	D (mm)	m (kg)	n exp.	(Watt) ^P	(Watt) ^P
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**

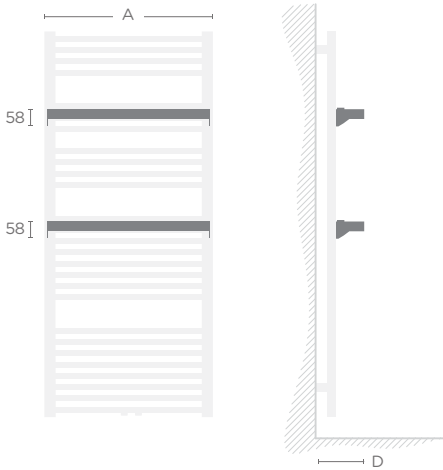


ZZ	01	02	03	04
	white	anthracite	sandy	platinum



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 ^P	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

white chrome



DESIGN YOUR OWN CONFIGURATION



Available in all BIAL colours



Smart accessories:
DRYER



BIAL design valves

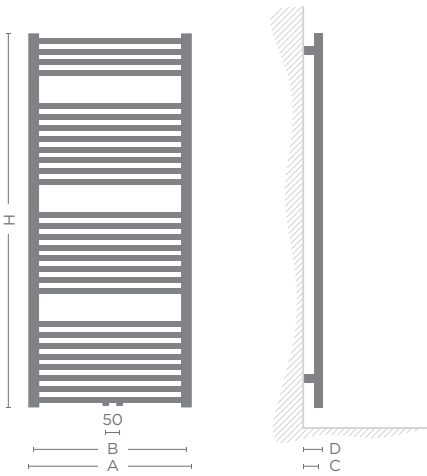


CODE GENERATOR

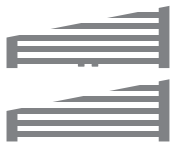
CONFIGURATION SMART: HOME

ORDER GENERATOR TUBE RADIATOR

31 XXX YYYY ZZ



YYYY	A (mm)	H (mm)	B (mm)	C (mm)	D (mm)	m (kg)	n exp.	(Watt) ^P	(Watt) ^P
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**

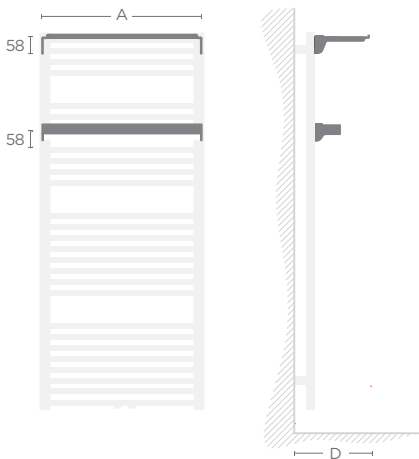


ZZ	01	02	03	04
	white	anthracite	sandy	platinum



ORDER GENERATOR ACCESSORIES SET: 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



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 ^P	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

white chrome

CONFIGURATION SMART TWO



DESIGN YOUR OWN CONFIGURATION



Available in all BIAL colours



Smart accessories: BOX



Electric heater with 2-hour drying function

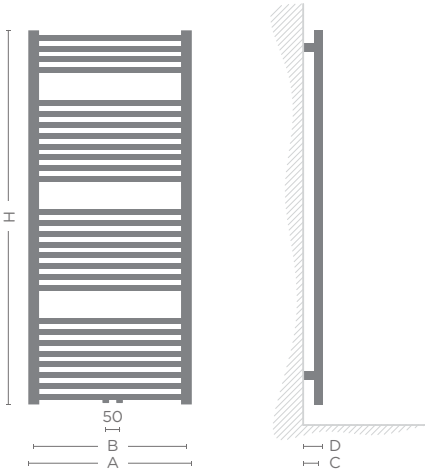


CODE GENERATOR

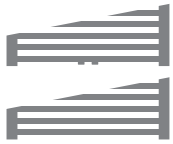
CONFIGURATION SMART: **TWO**

ORDER GENERATOR TUBE RADIATOR

31 XXX YYYY ZZ



YYYY	A (mm)	H (mm)	B (mm)	C (mm)	D (mm)	m (kg)	n exp.	P_{th} (Watt)	P_{th} (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**

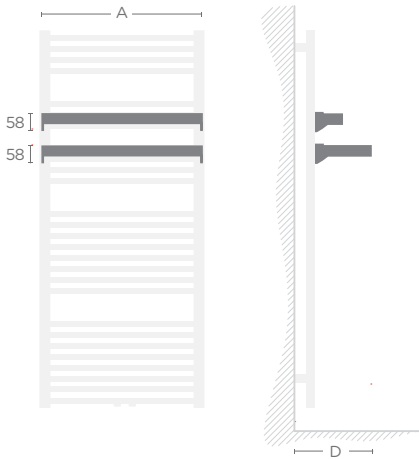


ZZ	01	02	03	04
	white	anthracite	sandy	platinum



ORDER GENERATOR ACCESSORIES SET: 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



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 P_{th}	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

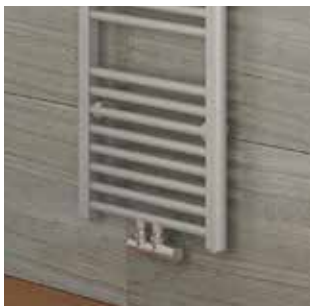
ZZ	01	05
	white	chrome

white chrome

CONFIGURATION SMART FAMILY



DESIGN YOUR OWN CONFIGURATION



Available in all BIAL colours



BIAL design valves



Electric heater with 2-hour drying function

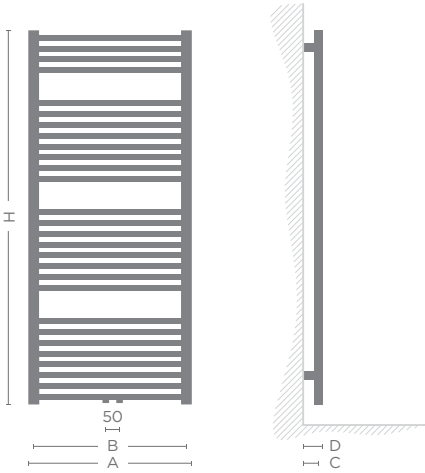


CODE GENERATOR

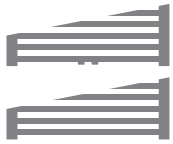
CONFIGURATION SMART: FAMILY

ORDER GENERATOR TUBE RADIATOR

31 XXX YYYY ZZ



YYYY	A (mm)	H (mm)	B (mm)	C (mm)	D (mm)	m (kg)	n exp.	(Watt) ^P	(Watt) ^P
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 mid XXX= 022

ALTA XXX= 021

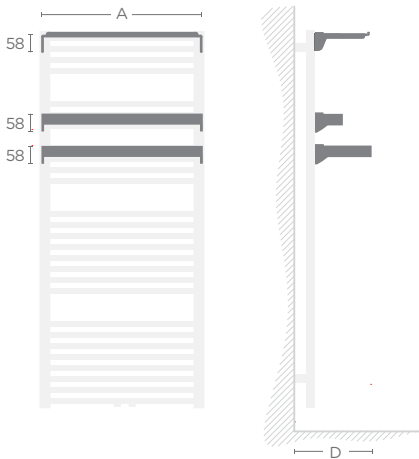


ZZ	01	02	03	04
	white	anthracite	sandy	platinum



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



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 ^P	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

white chrome

CONFIGURATION SMART PASSION



DESIGN YOUR OWN CONFIGURATION



Available in all BIAL colours



BIAL design valves



Electric heater with 2-hour drying function

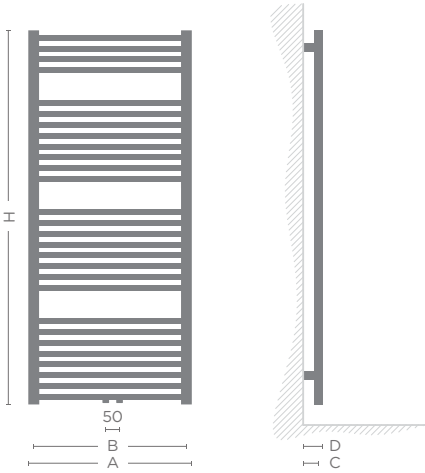


CODE GENERATOR

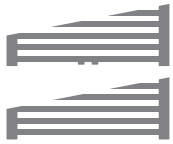
CONFIGURATION SMART: **PASSION**

ORDER GENERATOR TUBE RADIATOR

31 XXX YYYY ZZ



YYYY	A (mm)	H (mm)	B (mm)	C (mm)	D (mm)	m (kg)	n exp.	(Watt) ^P	(Watt) ^P
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**

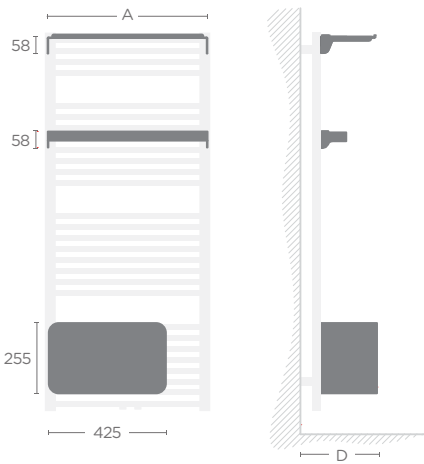


ZZ	01	02	03	04
	white	anthracite	sandy	platinum



ORDER GENERATOR ACCESSORIES SET: 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



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 ^P	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

white chrome

CONFIGURATION SMART TRAVEL



DESIGN YOUR OWN CONFIGURATION



Available in all BIAL colours



Smart accessories:
DRYER



BIAL design valves

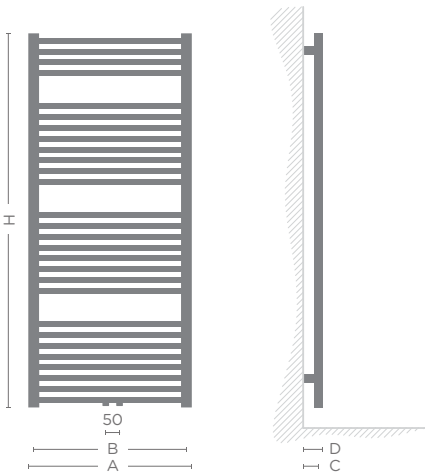


CODE GENERATOR

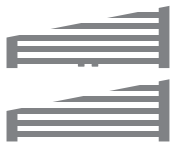
CONFIGURATION SMART: TRAVEL

ORDER GENERATOR TUBE RADIATOR

31 XXX YYYY ZZ



YYYY	A (mm)	H (mm)	B (mm)	C (mm)	D (mm)	m (kg)	n exp.	(Watt) ^P	(Watt) ^P
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 mid XXX= 022

ALTA XXX= 021

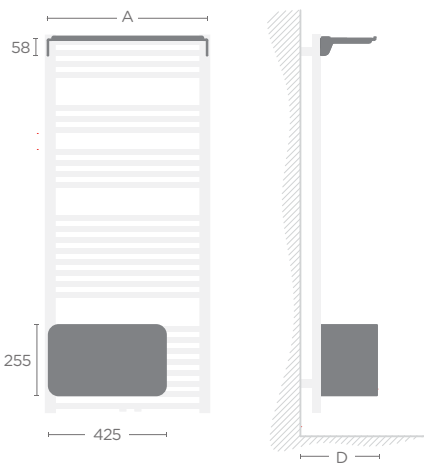


ZZ	01	02	03	04
	white	anthracite	sandy	platinum



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



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 ^P	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

white chrome

CONFIGURATION SMART RUN



DESIGN YOUR OWN CONFIGURATION



BIAL design valves



Available in all BIAL colours



Electric heater with 2-hour drying function

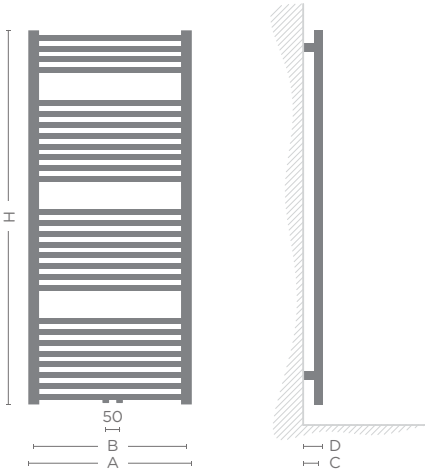


CODE GENERATOR

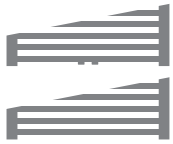
CONFIGURATION SMART: **RUN**

ORDER GENERATOR TUBE RADIATOR

31 XXX YYYY ZZ



YYYY	A (mm)	H (mm)	B (mm)	C (mm)	D (mm)	m (kg)	n exp.	(Watt) ^P	(Watt) ^P
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**

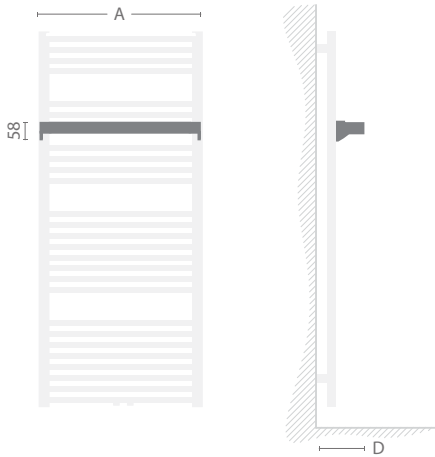


ZZ	01	02	03	04
	white	anthracite	sandy	platinum



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 ^P	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

white chrome



CONFIGURATION SMART SPORT



DESIGN YOUR OWN CONFIGURATION



BIAL design valves



Available in all BIAL
colours



Electric heater with
2-hour drying function

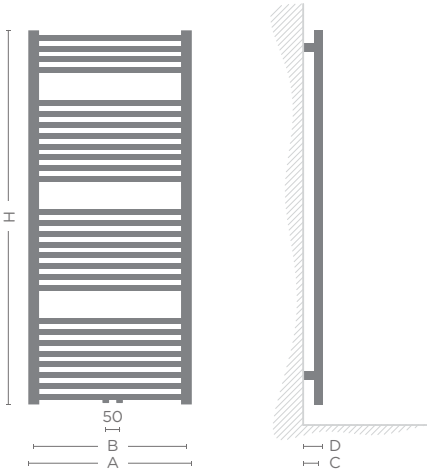


CODE GENERATOR

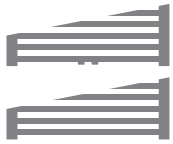
CONFIGURATION SMART: **SPORT**

ORDER GENERATOR TUBE RADIATOR

31 XXX YYYY ZZ



YYYY	A (mm)	H (mm)	B (mm)	C (mm)	D (mm)	m (kg)	n exp.	P_{th} (Watt)	P_{th} (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**

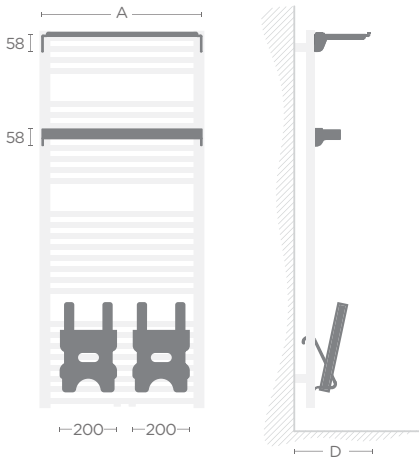


ZZ	01	02	03	04
	white	anthracite	sandy	platinum



ORDER GENERATOR ACCESSORIES SET: 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



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 P_{th}	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

white chrome

CONFIGURATION SMART ALPIN



DESIGN YOUR OWN CONFIGURATION



BIAL design valves



Available in all BIAL colours



Electric heater with 2-hour drying function

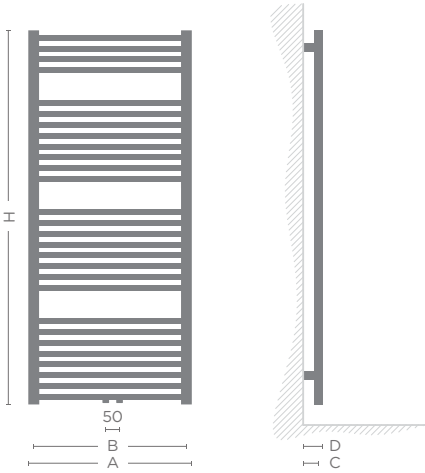


CODE GENERATOR

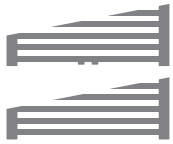
CONFIGURATION SMART: **ALPIN**

ORDER GENERATOR TUBE RADIATOR

31 XXX YYYY ZZ



YYYY	A (mm)	H (mm)	B (mm)	C (mm)	D (mm)	m (kg)	n exp.	(Watt) ^P	(Watt) ^P
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**

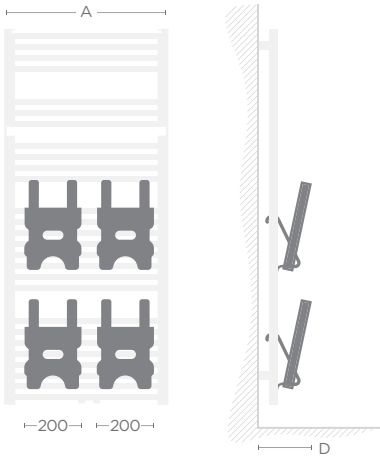


ZZ	01	02	03	04
	white	anthracite	sandy	platinum



ORDER GENERATOR ACCESSORIES SET: ALPIN

33 032 2032 ZZ



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

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 ^P	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

white chrome

STYLE ME

 **BIAL**
EVERYTHING IN PLACE

CONFIGURATION STYLE ME AIR



DESIGN YOUR OWN CONFIGURATION



Different mask designs



BIAL design valves



Electric heater with
2 hour drying function

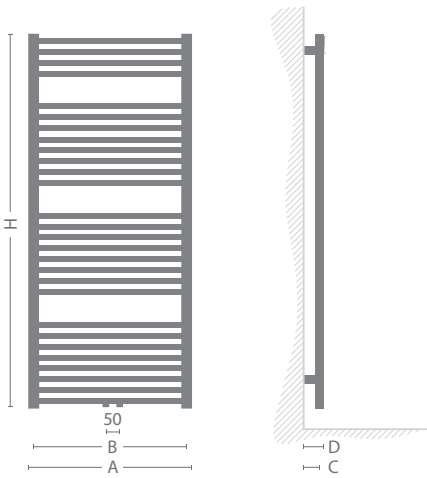


CODE GENERATOR

CONFIGURATION STYLE ME: **AIR**

ORDER GENERATOR TUBE RADIATOR

31 XXX YYYY ZZ



YYYY	A (mm)	H (mm)	B (mm)	C (mm)	D (mm)	m (kg)	n exp.	P ₁ (Watt)	P ₂ (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 mid **XXX= 022**



ALTA **XXX= 021**

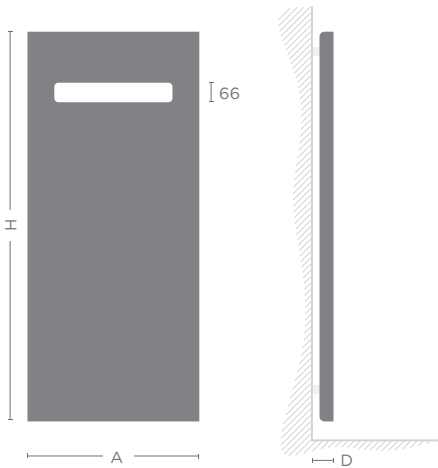


ZZ	01	02	03	04
	white	anthracite	sandy	platinum



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 P ₁	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

white chrome

CONFIGURATION STYLE ME ZEN



DESIGN YOUR OWN CONFIGURATION



Different mask designs



BIAL design valves



Electric heater with
2 hour drying function

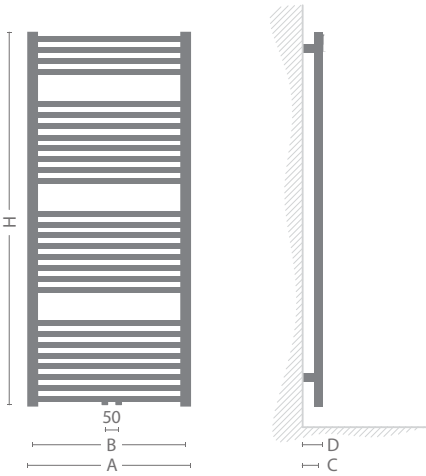


CODE GENERATOR

CONFIGURATION STYLE ME: **ZEN**

ORDER GENERATOR TUBE RADIATOR

31 XXX YYYY ZZ



YYYY	A (mm)	H (mm)	B (mm)	C (mm)	D (mm)	m (kg)	n exp.	P ₁ (Watt)	P ₂ (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 mid **XXX= 022**



ALTA **XXX= 021**

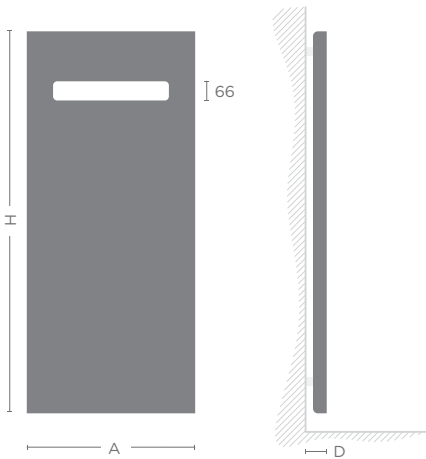


ZZ	01	02	03	04
	white	anthracite	beige	platinum



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



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 P ₁	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

white chrome

CONFIGURATION STYLE ME DANDY



DESIGN YOUR OWN CONFIGURATION



Different mask designs



BIAL design valves



Electric heater with
2 hour drying function

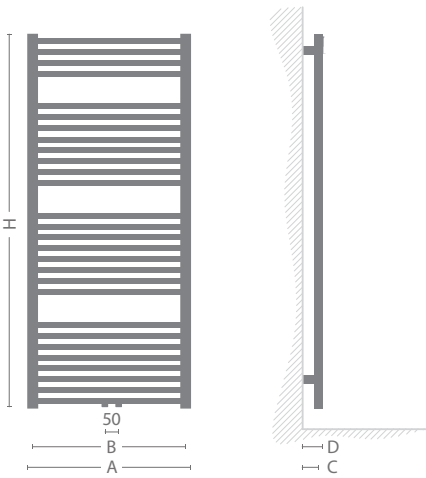


CODE GENERATOR

CONFIGURATION STYLE ME: **DANDY**

ORDER GENERATOR TUBE RADIATOR

31 XXX YYYY ZZ



YYYY	A (mm)	H (mm)	B (mm)	C (mm)	D (mm)	m (kg)	n exp.	P ₁ (Watt)	P ₂ (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 mid **XXX= 022**



ALTA **XXX= 021**

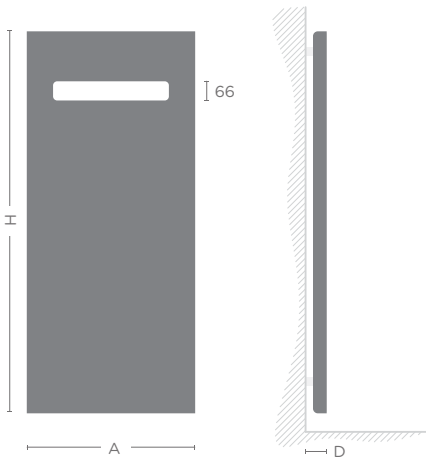


ZZ	01	02	03	04
	white	anthracite	beige	platinum



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 P ₁	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

white chrome

CONFIGURATION STYLE ME SUNNY



DESIGN YOUR OWN CONFIGURATION



Different mask designs



BIAL design valves



Electric heater with
2 hour drying function

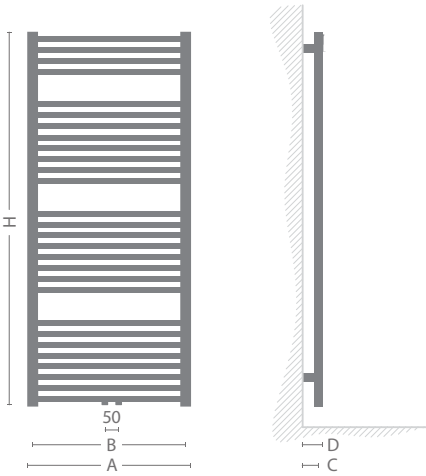


CODE GENERATOR

CONFIGURATION STYLE ME: **SUNNY**

ORDER GENERATOR TUBE RADIATOR

31 XXX YYYY ZZ



YYYY	A (mm)	H (mm)	B (mm)	C (mm)	D (mm)	m (kg)	n exp.	P ₁ (Watt)	P ₂ (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 mid **XXX= 022**



ALTA **XXX= 021**

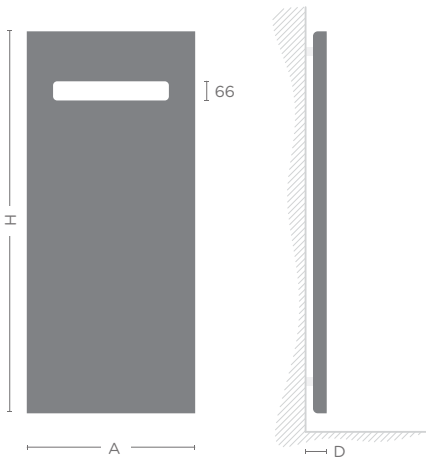


ZZ	01	02	03	04
	white	anthracite	beige	platinum



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



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 P ₁	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

white chrome

CONFIGURATION STYLE ME FLOREST



DESIGN YOUR OWN CONFIGURATION



Different mask designs



BIAL design valves



Available in all BIAL
colours

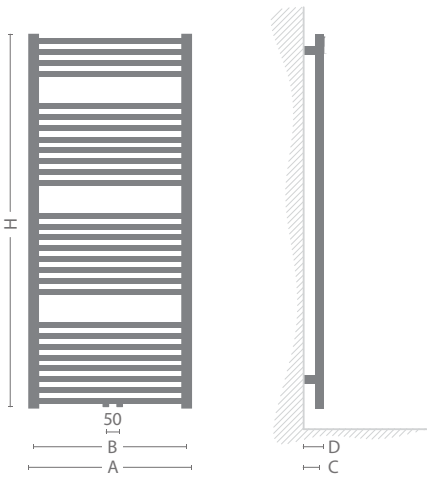


CODE GENERATOR

CONFIGURATION STYLE ME: **FLOREST**

ORDER GENERATOR TUBE RADIATOR

31 XXX YYYY ZZ



YYYY	A (mm)	H (mm)	B (mm)	C (mm)	D (mm)	m (kg)	n exp.	P ₁ (Watt)	P ₂ (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 mid XXX= 022



ALTA XXX= 021

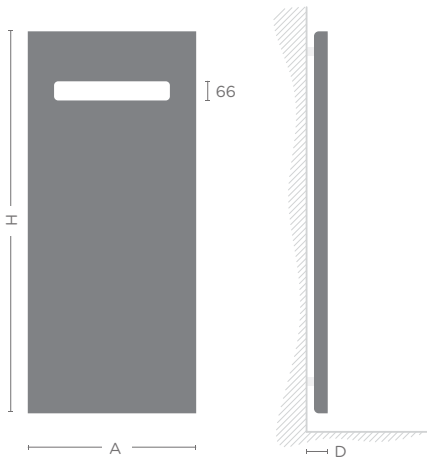


ZZ	01	02	03	04
	white	anthracite	beige	platinum



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 P ₁	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

white chrome

CONFIGURATION STYLE ME TIME



DESIGN YOUR OWN CONFIGURATION



Different mask designs



BIAL design valves



Electric heater with
2 hour drying function

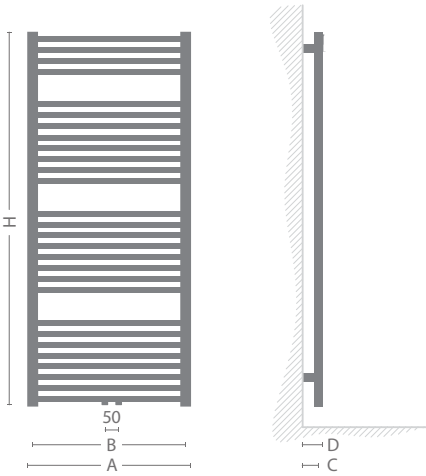


CODE GENERATOR

CONFIGURATION STYLE ME: **TIME**

ORDER GENERATOR TUBE RADIATOR

31 XXX YYYY ZZ



YYYY	A (mm)	H (mm)	B (mm)	C (mm)	D (mm)	m (kg)	n exp.	P _{in} (Watt)	P _{out} (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 mid **XXX= 022**



ALTA **XXX= 021**

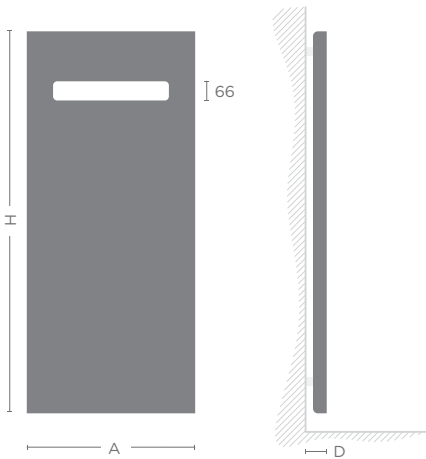


ZZ	01	02	03	04
	white	anthracite	beige	platinum



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 P _{in}	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

white chrome

MORE...

 **BIAL**
EVERYTHING IN PLACE



DESIGN YOUR OWN CONFIGURATION



TREND design radiators



SMART accessories



STYLE ME design mask



CODE GENERATOR

ELECTRIC HEATERS

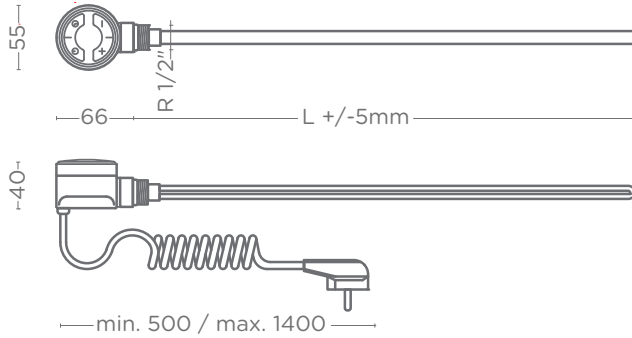
ORDER GENERATOR ELECTRIC HEATERS ELS

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

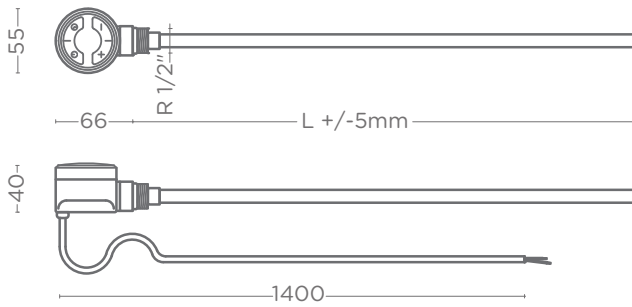
ORDER GENERATOR ELECTRIC HEATERS ILS

26 005 YYYY ZZ



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

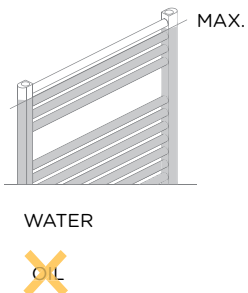
230V, 50Hz, 400W-1000W,
IPX5, Class II



ZZ	01	05	06
	white	chrome	black

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

SAFETY





DESIGN YOUR OWN CONFIGURATION



STYLE ME design mask



TREND design radiators



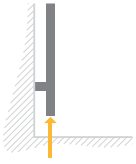
SMART accessories



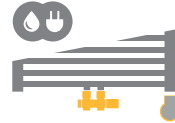
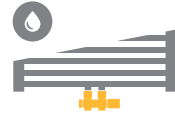
CODE GENERATOR

THERMOSTATIC VALVES

ORDER GENERATOR STRAIGHT CONNECTION



28 001 002 ZZ

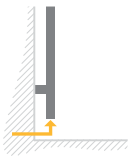


28 002 002 ZZ

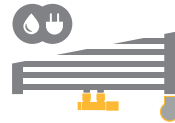
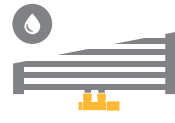


ZZ	01	05
	white	chrome

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



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

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



28 006 001 05
THERMOSTATIC HEAD, 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



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

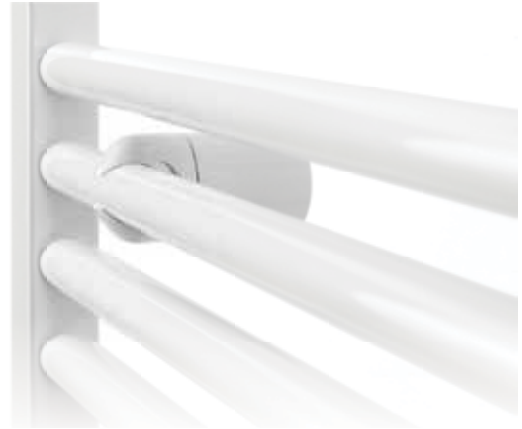
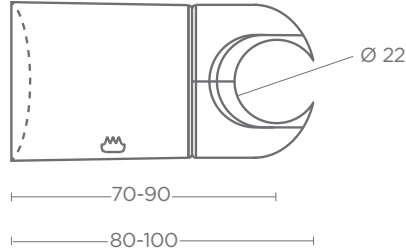
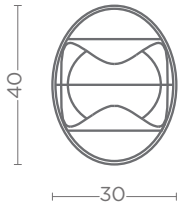


CODE GENERATOR

WALL BRACKETS

ORDER GENERATOR WALL BRACKETS

35 001 0022 ZZ

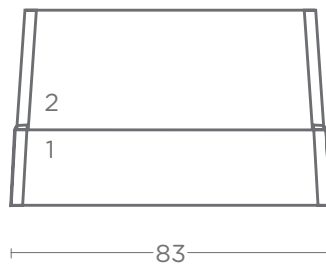
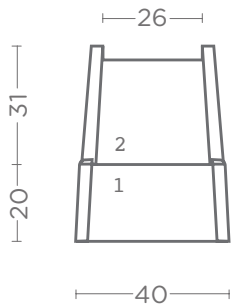


FOR TUBE RADIATOR:
ALTA, SORA

ZZ	01	02	03	04
	white	anthracite	sandy	platinum

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

 **BIAL**
EVERYTHING IN PLACE

GENERAL & TECHNICAL INFORMATION

CONNECTION

Side connection



Central connection (50mm)



VALVE TYPES



Straight connection



Angle connection

MADE OF



Aluminum



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.

HEAT OUTPUT

The heat output of each model is calculated from the characteristic equation: $\Phi = KM \Delta T_n$. 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.everythinginplace.eu



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



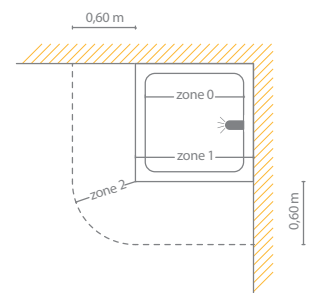
5 years warranty



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.

ANSCHLUSS

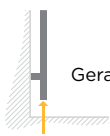
Seitenanschluss



Mittelschluss
(50 mm)



VENTILTYPEN



Gerader Anschluss



Winkelanschluss

HERGESTELLT AUS



Aluminium



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.

WÄRMELEISTUNG

Die Wärmeleistung des jeweiligen Modells ergibt sich aus der charakteristischen Gleichung: $\Phi = KM \Delta T_n$. 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 $\Phi = \Phi_s f_1$. Die Tabelle für die Berechnung und den Faktor f_1 finden Sie auf unserer Internetseite www.everythinginplace.eu



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 Heizkörpers 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 +/-)



2-stündige Trockenfunktion (Taste 2h)



Ein/Aus-Betrieb des Heizkörpers



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

GARANTIE



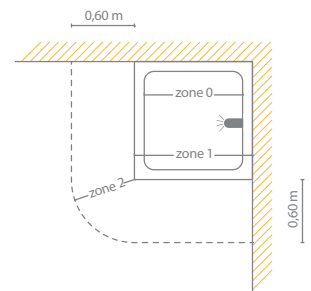
5-Jahre-Garantie



2-Jahre-Garantie

SICHERHEITZONEN

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

RACCORDEMENT

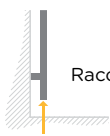
Raccordement latéral



Raccordement central (50 mm)



TYPES DE SOUPAPES



Raccordement plat



Raccordement angulaire

FABRIQUÉ À PARTIR DE



Aluminium



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. 

PUISSANCE CALORIFIQUE

La puissance calorifique de chaque modèle dérive de l'équation caractéristique suivante: $\Phi = KM \Delta T_n$. 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.everythinginplace.eu



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 +/-)



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)

GARANTIE



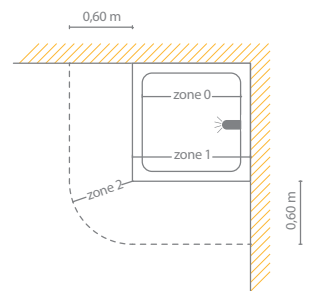
5 ans de garantie



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.

ПОДКЛЮЧЕНИЕ

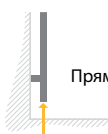
Боковое соединение



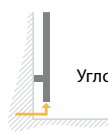
Центральное
соединение (50 мм)



ТИПЫ КЛАПАННОВ



Прямое соединение



Угловое соединение

ИЗГОТОВЛЕНО ИЗ



Алюминий



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° К (до 90° С). РН 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: $\Phi = KM \Delta T_n$. 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 $\Phi = \Phi_s f_1$. Таблицу расчета и коэффициент f_1 можно найти на нашем веб-сайте www.everythinginplace.eu



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° С)



Тепловая мощность радиатора - обогревается электронагревателем

ЭЛЕКТРИЧЕСКИЙ НАГРЕВАТЕЛЬ



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



2-часовая функция сушки (кнопка 2 часа)



вкл./выкл. нагревателя



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

ГАРАНТИЯ



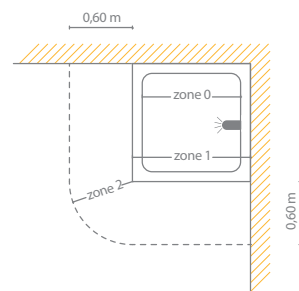
5 лет гарантии



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

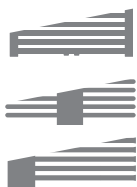
Общие условия ведения бизнеса и другую информацию можно найти на нашем веб-сайте www.everythinginplace.eu.

ALLACCIAMENTO

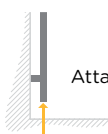
Attacco laterale



Attacco centrale
(50 mm)



TIPI DI VALVOLE



Attacco diretto



Attacco a gomito

PRODOTTO IN



Alluminio



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.

POTENZA TERMICA

La potenza termica del singolo modello è derivata dall'equazione caratteristica: $\Phi = KM \Delta T_n$. 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.everythinginplace.eu



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 +/-)



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



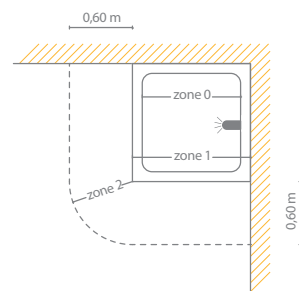
5 anni di garanzia



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 sfogo, 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.

CONEXIÓN

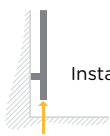
Conexión lateral



Conexión central (50 mm)



TIPOS DE VÁLVULAS



Instalación recta



Instalación angular

FABRICADO EN



Aluminio



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.



POTENCIA CALORÍFICA

La potencia calorífica de cada modelo se deriva de la ecuación característica: $\Phi = KM \Delta T_n$. 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.everythinginplace.eu



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 ELECTRICICO



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



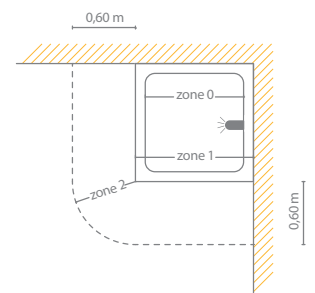
5 años de garantía



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

PODŁĄCZENIE

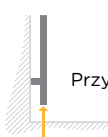
Podłączenie boczne



Podłączenie centralne (50 mm)



RODZAJE ZAWORÓW



Przyłącze proste



Przyłącze kątowe

WYKONANE Z



Aluminium



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 spuszczenia wody z sieci.

OZNACZENIE CE

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



MOC CIEPLNA

Moc cieplną poszczególnych modeli wyprowadza się z równania charakterystycznego: $\Phi = KM \Delta T_n$. Norma EN442 definiuje metody badań i pomiarów używanych przez certyfikowaną jednostkę notyfikowaną (notified body) podczas określania mocy grzejnika 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.everythinginplace.eu



OGRZEWANIE ELEKTRYCZNYM URZĄDZENIEM GRZEW CZY M

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 GRZEW CZE



5-stopniowa regulacja grzania (przyciskiem +/-)



2-godzinna funkcja suszenia (2h przycisk)



on/off działanie grzałki



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

GWARANCJA



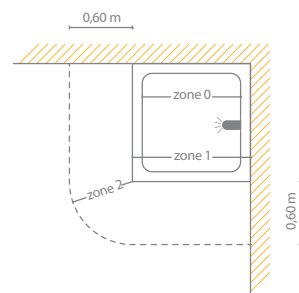
5 lat gwarancji



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 podłączenie 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.

PRIKLJUČIVANJE

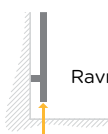
Bočno
priključivanje



Centralno
priključivanje
(50mm)



TIPOVI VENTILA



Ravno priključivanje



Ugaono priključivanje

NAPRAVLJENO OD



Aluminijuma



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: $\Phi = KM \Delta T_n$. 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.everythinginplace.eu



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 +/-)



2-časovna funkcija sušenja (dugme 2h)



uključivanje/isključivanje grejača



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

GARANCIJA



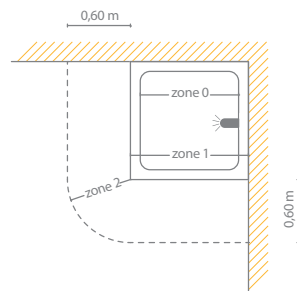
5 godina garancije



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 električnu 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.

PRIKLJUČITEV

Stranski priklop



Sredinski priklop
(50mm)



TIPI VENTILOV



Ravni priklop



Kotni priklop

IZDELANO IZ



Aluminij



Jeklo

BARVE



Bela



Antracit



Peščena



Platinum



Krom

PARAMETRI OBRATOVANJA

Vsi priključki na radiatorju so dimenzije 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. ☺

TOPLOTNA MOČ

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



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 toplotno 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 skladno standardom EN442 (75/65/20°C)



Toplotna moč radiatorja - ogrevano z električnim grelcem

ELEKTRIČNI GRELEC



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



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



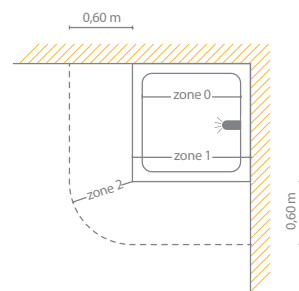
5 let garancije



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.

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. 

TOPLINSKA SNAGA

Toplinska snaga određenog modela proizlazi iz karakteristične jednadžbe: $\Phi = KM \Delta T_n$. 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.everythinginplace.eu

www.everythinginplace.eu



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 vodom 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



stupanjka 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 isključuje)

JAMSTVO



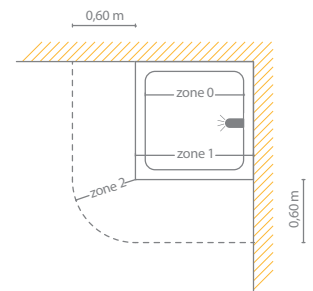
5 godina jamstva



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, pričvrstne nosače, čepovi i ventil za odzračivanje, jamstveni list s tehničkim uputama. Video montaže pogledajte na www.everythinginplace.eu

www.everythinginplace.eu

OPĆI UVJETI POSLOVANJA

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

RADIATOR HEAT OUTPUT CALCULATION TABLE FACTOR f_1

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			
t_1	t_r	Radiator exponent n																		
		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	
Input temperature t_1 in °C	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	0,818	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	1,130	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	0,775	
	18				0,991	0,990	0,990	0,925	0,922	0,919	0,858	0,853	0,847	0,788	0,781	0,773	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	0,740	
	15									0,818	0,812	0,805	0,755	0,746	0,738	0,689	0,679	0,669	0,621	
	18									0,747	0,738	0,729	0,684	0,674	0,664	0,619	0,607	0,596	0,548	
	20									0,700	0,690	0,680	0,638	0,626	0,615	0,573	0,560	0,548	0,498	
	22									0,653	0,642	0,631	0,592	0,579	0,567	0,528	0,517	0,501	0,453	
	24									0,607	0,595	0,584	0,546	0,533	0,521	0,483	0,469	0,455	0,409	
55	10														0,818	0,812	0,805	0,755	0,746	
	15														0,700	0,690	0,680	0,638	0,626	
	18														0,630	0,619	0,607	0,569	0,556	
	20														0,585	0,572	0,560	0,524	0,511	
	22														0,540	0,527	0,514	0,480	0,466	
	24														0,496	0,482	0,469	0,437	0,422	

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

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

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

Example: BIAL ALTA midd

Let's calculate the heat output for the 60/45/24°C temperature regime.

Model: ALTA midd 600x1694; $\Phi_s = 916W$, Exponent $n = 1,246$
 $t_1 = 60^\circ C$, $t_2 = 45^\circ C$, $t_r = 24^\circ C$

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