

# MINI CANAL

## MINIMAL RECESS DEPTH

For spaces with large windows, glazed façades, conservatories, display windows and offices. From a depth of 90 mm, Mini Canal is the perfect solution for multistorey buildings and computer floors. Hidden under the grille is an ultra fast Low-H<sub>2</sub>O element. The internal elements of the Mini Canal have been made "invisible", using lacquered dark grey components. The only eye-catching element left is the grille-cover which can be perfectly tailored to match the floor or the interior design.

- Depth from 90 mm.
- Delivered ready-to-use , fully assembled and factory tested.
- A range of grilles for every interior.
- Low-H<sub>2</sub>O technology with super conductive and ultra fast heat exchanger for low energy consumption and maximum heat emission.



jaga



CREATE  
EMOTION

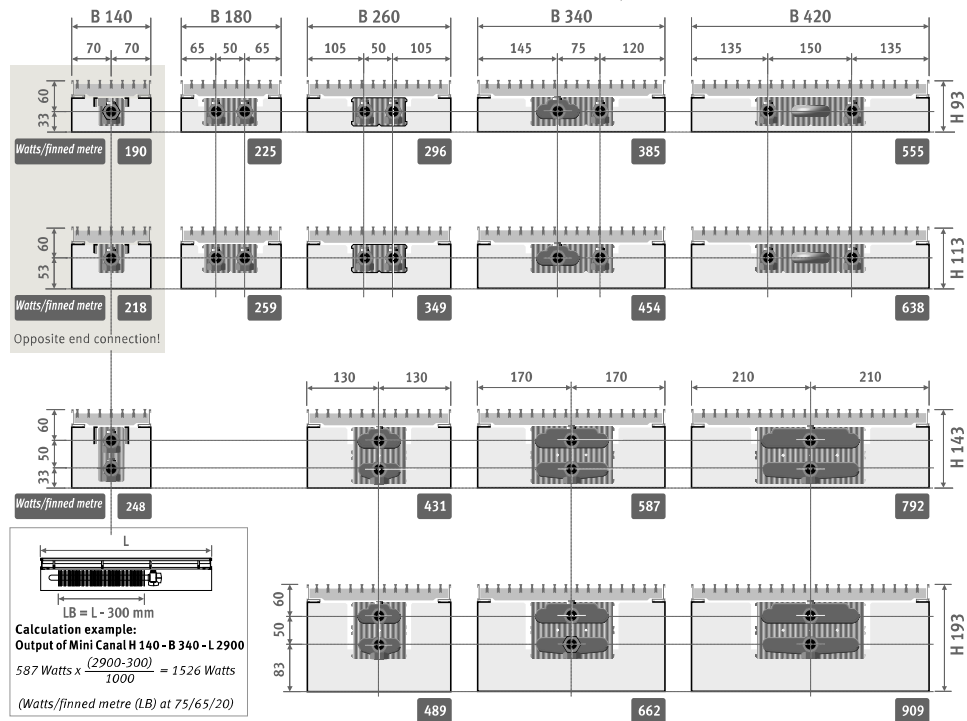
PRESENTING MINI CANAL



# MINI CANAL - SUMMARY

## PRODUCT SUMMARY

Building in-opening: height H + 10 mm, length L and width B + 5 mm!



## ORDERING CODE

### WITH FRAME (L-PROFILE)

code height length width grille  
MICL . 009 110 14 ./XXX  
fill in grille code

### WITH COVER FRAME (Z-PROFILE)

code height length width grille  
MICZ . 009 110 14 ./XXX  
fill in grille code

## DELIVERY

Product is made to order, please contact our customer service team on 01531 631 533 to discuss your requirements.

Mini Canal is also available with a cover frame. The cover frame facilitates a perfect finish with renovations or wooden floors.

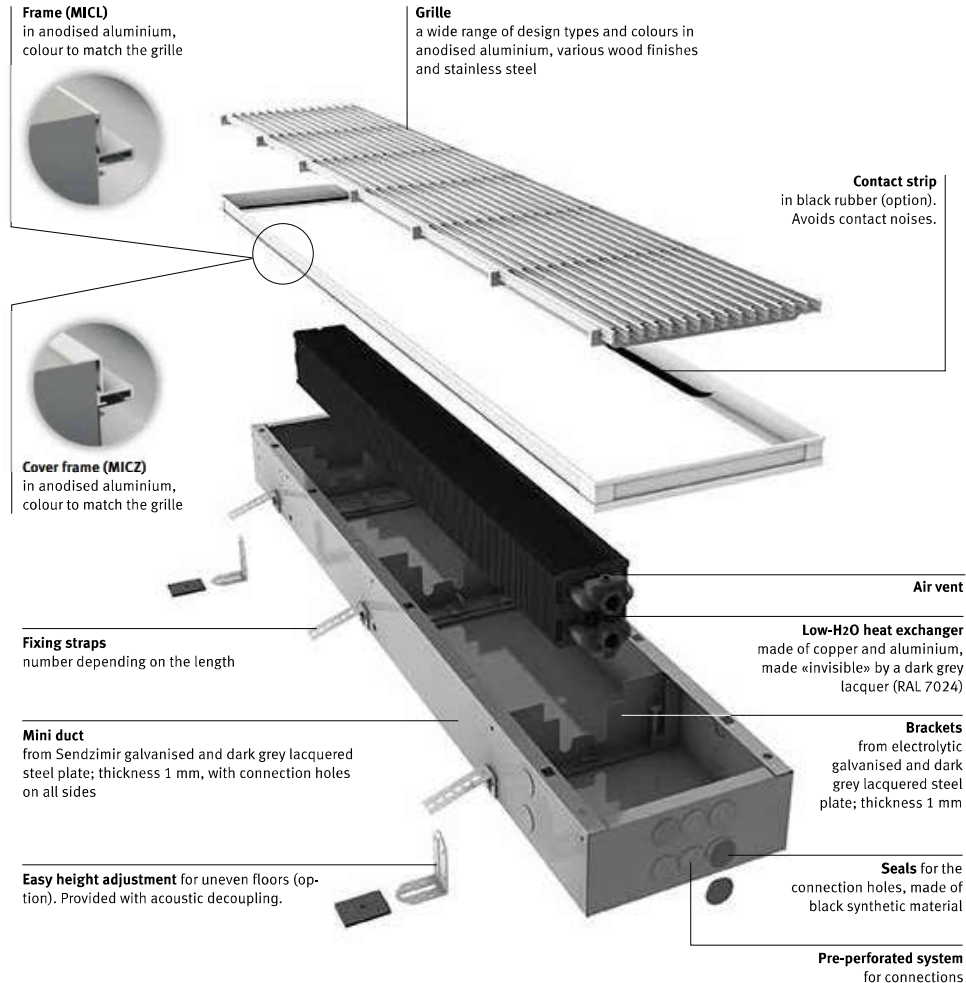
## INSTALLATION

The Mini Canal is supplied completely mounted and ready for use. Suitable for installation onto rough concrete subfloors, in floating or suspended floors, or even into existing trenches. Optional 'Z' profile cover frame for mounting on the finished floor. If this isn't possible, the cover frame can be detached and be replaced when desired. The cover frame allows the seam between the floor and the trench to be covered.

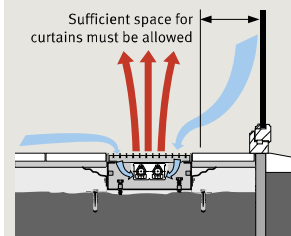
### Installation

- Simple installation, with no on site assembly or joining of finned tubes.
- Position level on the finished floor using fixing straps or optional height control adjusters.
- Insert the pipework and close the opening.
- If necessary, provide an extra pipe for the thermostat head with remote control.
- Test the pressure of the installation.
- Finish the floor.

# COMPOSITION - MINI CANAL



## OPERATING PRINCIPLE



## EVEN COMFORT TEMPERATURE

The downward cold air flow associated with glazed façades often causes discomfort. Mini Canal ensures a warm air curtain: the cold air layer from the glass and the cooler return air on the floor are drawn in, heated and mixed with the warmer upper air so a balanced and even comfort temperature is achieved.

# MINI CANAL - INSTALLATION & CONNECTION

# OPTIONS - MINI CANAL

## CONNECTION

### Connection possibilities

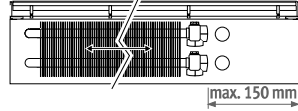
There are several ways to connect the heat exchanger:  
to the central control system, temperature regulators via room thermostat or BMS (no valve in the duct).  
- with manual valve in the duct.  
- with thermostatic valve in the duct: in this case it is best to provide a head with remote control outside the duct. Control is simple and the thermostat will provide better measurement of the ambient temperature.

### Maximum space for connection

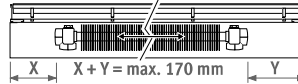
With same end connection, height 90 and 110.



With same end connection, height 140 and 190.

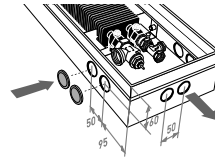


With opposite end connection.  
Width 140 and height 90 and 110.

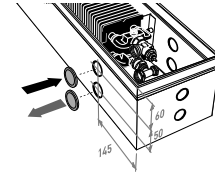


### Connection dimensions

Height 90 and 110



Height 140 and 190



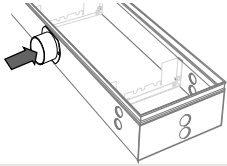
## VALVES

See page 96.

## AIR REFRESHMENT

### Mounted spigot connector for air supply channel

Not available with height 90 - 110



#### CODE

/V1 1 spigot connection ø 80 mm

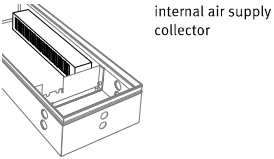
/V2 2 spigot connections ø 80 mm

Add /V1 or /V2 to the Mini Canal code.

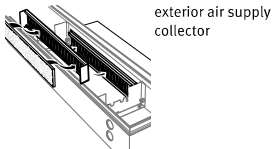
Example: MICL. 014 110 14 /XXX/V1

### Other systems

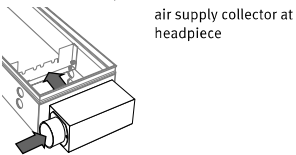
Air refreshment system 2



Air refreshment system 3

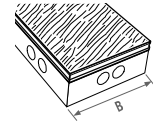


Air refreshment system 4



For more information see:  
[www.jaga.co.uk](http://www.jaga.co.uk)

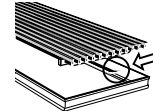
## COVER PLATE



In fibreboard, thickness 22 mm. Protects the duct against contamination and damage during construction works.

ORDERING CODE **7691.000** code length width **110 14**

## CONTACT STRIP



For aluminium and wood grilles (not for stainless steel). Black adhesive rubber strip, thickness 0.5 mm. To avoid contact noises. Order

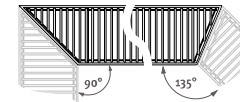
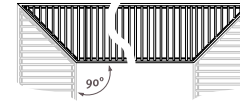
the number of rolls required according to the circumference of the frame:  $(B + L) \times 2$ .

#### CODE

7690.02 Roll 6 metre

## CORNERS 135° OR 90°

For wooden and aluminium grilles.

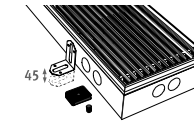


To order corner elements, please contact Jaga at: [jaga@jaga.co.uk](mailto:jaga@jaga.co.uk). Ducts and grilles delivered with mitre joints +connecting pieces for invisible mounting.

## DIFFERENT HEIGHT, WIDTH OR LENGTH

Contact Jaga.

## HEIGHT CONTROL



Simple height control for uneven subfloors. Provided with acoustic decoupling.

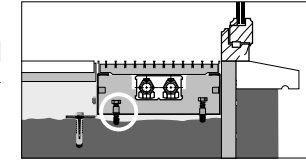
#### CODE

7690.01 height control 0 - 45 mm

7690.04 height control 45 - 130 mm

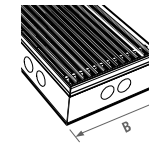
Recommended numbers for length:

1 set =	1100 mm	2 sets
	1300 > 1900 mm	3 sets
	2100 mm	4 sets
	2300 > 3100 mm	5 sets
	3300 > 3700 mm	7 sets
	4100 mm	8 sets
	4500 > 4900 mm	10 sets



The height control option is always provided with extra adjusting screws in order to install the duct flat against the window frame.

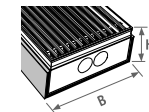
## BASE INSULATION



In dark grey extruded EPDM, thickness 5 mm. Also to avoid transfer of noise when used on upper storeys. (Not available separately!)

ORDERING CODE **7692.000** code length width **110 14**

## 3-SIDED INSULATION



In dark grey extruded EPDM, thickness 5 mm. (Not available separately!)

ORDERING CODE **7693.009** code height length width **110 014**

# HEIGHT 90 - OUTPUT TABLES

## DIMENSIONS (in mm)

MINW.HHH LLL TT.XXX

L mm	B 140		B 180		B 260	
	Watts	Watts	Watts	Watts	Watts	Watts
	75/65	55/45	75/65	55/45	75/65	55/45
1100	152	76	180	90	237	118
1300	190	95	225	112	296	148
1500	229	114	271	135	356	178
1700	267	133	316	158	415	207
1900	304	152	360	180	474	236
2100	342	171	406	202	534	266
2300	381	190	451	225	593	296
2500	419	209	496	247	652	325
2700	457	228	541	270	711	355
2900	495	247	586	292	771	385
3100	533	266	631	315	830	414
3300	571	285	676	337	889	443
3700	647	323	767	383	1008	503
4100	723	361	856	427	1126	562
4500	800	399	947	472	1245	621
4900	875	436	1037	517	1363	680

Output at 20°C room temperature.

Output correction factor: see pages 245-251.

Mini Canal is also available in a range of other lengths, from 700 mm: [www.jaga.co.uk](http://www.jaga.co.uk)

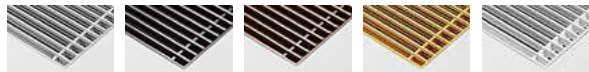
## GRILLE CODES

### Designo rigid aluminium grilles



**DNA** natural coloured  
**DBL** black  
**DDB** dark brown  
**DBR** brass coloured  
**DNC/XXX** (colour) lacquered

### Rigid aluminium grilles



**SNA** natural coloured  
**SBL** black  
**SDB** dark brown  
**SBR** brass coloured  
**SNC/XXX** (colour) lacquered

### Roll-up aluminium grilles



**RNA** natural coloured  
**RBL** black  
**RDB** dark brown  
**RBR** brass coloured  
**RSS** stainless steel

### Designo roll-up wooden grilles



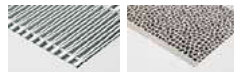
**DMN** merbau varnished  
**DON** oak varnished  
**DBN** beech varnished

### Roll-up wooden grilles



**RMN** merbau varnished  
**RON** oak varnished  
**RBN** beech varnished

### Special grilles



**ANA** alu. natural colour  
**PNC** cast aluminium

# HEIGHT 90 - OUTPUT TABLES

## DIMENSIONS (in mm)

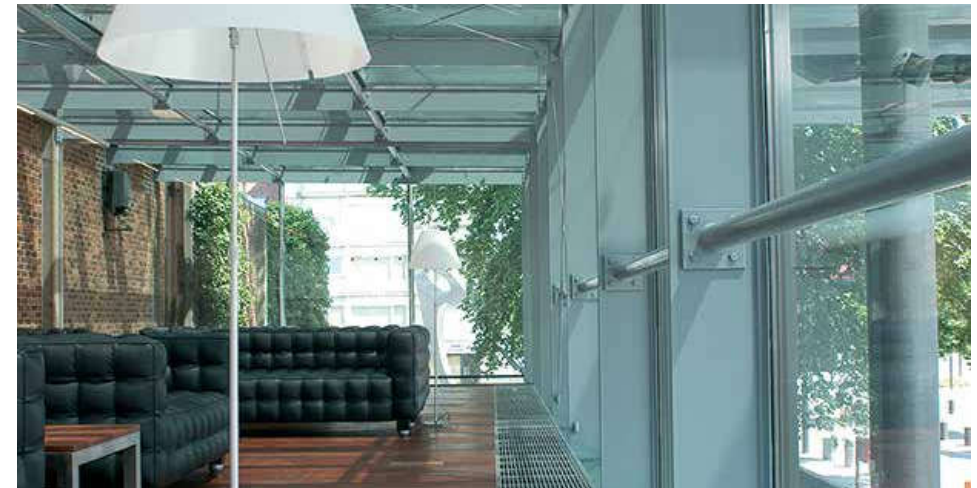
MINW.HHH LLL TT.XXX

L mm	B 340		B 420	
	Watts	Watts	Watts	Watts
	75/65	55/45	75/65	55/45
1100	307	153	445	222
1300	385	192	555	277
1500	462	230	666	332
1700	538	268	778	388
1900	615	307	888	443
2100	692	345	1000	499
2300	769	384	1111	554
2500	846	422	1221	609
2700	923	460	1333	665
2900	1000	499	1444	720
3100	1076	537	1555	775
3300	1154	576	1666	831
3700	1307	652	1888	942
4100	1461	729	2111	1053
4500	1615	805	2332	1163
4900	1769	882	2555	1274

Output at 20°C room temperature.

Output correction factor: see pages 245-251.

Mini Canal is also available in a range of other lengths, from 700 mm: [www.jaga.co.uk](http://www.jaga.co.uk)



# HEIGHT 110 - OUTPUT TABLES

## DIMENSIONS (in mm)

MINW.HHH LLL TT.XXX

L mm	B 140		B 180		B 260	
	Watts	Watts	Watts	Watts	Watts	Watts
	75/65	55/45	75/65	55/45	75/65	55/45
1100	175	87	207	103	279	139
1300	218	109	259	129	349	174
1500	262	131	310	155	420	209
1700	306	153	363	181	489	244
1900	349	174	414	206	559	279
2100	393	196	466	232	629	314
2300	437	218	518	258	699	349
2500	480	239	569	284	769	384
2700	524	261	622	310	839	418
2900	568	283	673	336	909	453
3100	612	305	725	362	978	488
3300	655	327	777	387	1048	523
3700	743	371	881	439	1188	592
4100	830	414	984	491	1328	662
4500	917	457	1087	542	1468	732
4900	1005	501	1191	594	1608	802

Output at 20°C room temperature.

Output correction factor: see pages 245-251.

Mini Canal is also available in a range of other lengths, from 700 mm: [www.jaga.co.uk](http://www.jaga.co.uk)

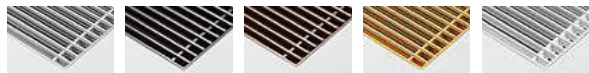
## GRILLE CODES

### Designo rigid aluminium grilles



**DNA** natural coloured  
**DBL** black  
**DDB** dark brown  
**DBR** brass coloured  
**DNC/XXX** (colour) lacquered

### Rigid aluminium grilles



**SNA** natural coloured  
**SBL** black  
**SDB** dark brown  
**SBR** brass coloured  
**SNC/XXX** (colour) lacquered

### Roll-up aluminium grilles



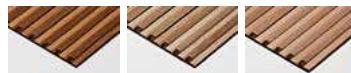
**RNA** natural coloured  
**RBL** black  
**RDB** dark brown  
**RBR** brass coloured  
**RSS** stainless steel

### Designo roll-up wooden grilles



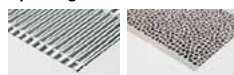
**DMN** merbau varnished  
**DON** oak varnished  
**DBN** beech varnished

### Roll-up wooden grilles



**RMN** merbau varnished  
**RON** oak varnished  
**RBN** beech varnished

### Special grilles



**ANA** alu. natural colour  
**PNC** cast aluminium

# HEIGHT 110 - OUTPUT TABLES

## DIMENSIONS (in mm)

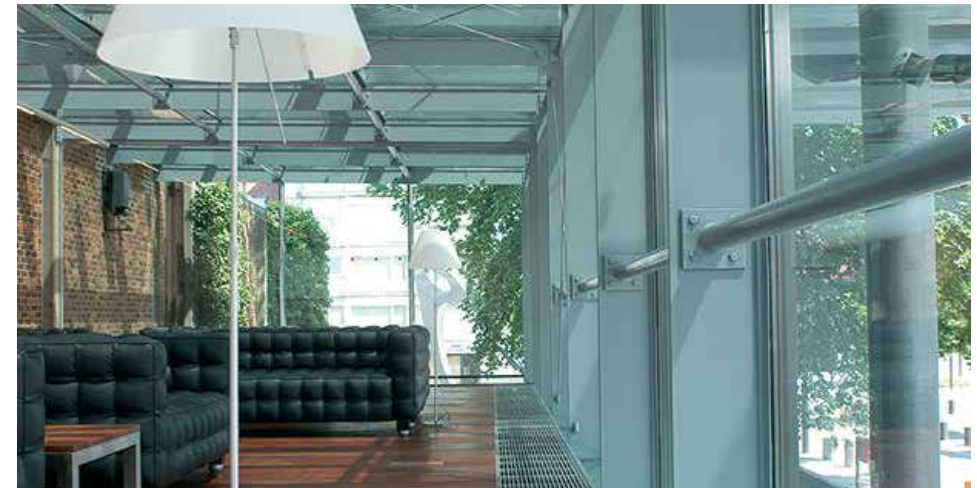
MINW.HHH LLL TT.XXX

L mm	B 340		B 420	
	Watts	Watts	Watts	Watts
	75/65	55/45	75/65	55/45
1100	363	181	510	254
1300	454	226	638	318
1500	544	271	766	382
1700	636	317	893	445
1900	726	362	1021	509
2100	817	407	1148	573
2300	908	453	1276	636
2500	998	498	1404	700
2700	1090	544	1531	764
2900	1180	588	1659	827
3100	1271	634	1786	891
3300	1362	679	1914	955
3700	1544	770	2169	1082
4100	1725	860	2424	1209
4500	1906	951	2680	1337
4900	2088	1041	2935	1464

Output at 20°C room temperature.

Output correction factor: see pages 245-251.

Mini Canal is also available in a range of other lengths, from 700 mm: [www.jaga.co.uk](http://www.jaga.co.uk)



# HEIGHT 140 - OUTPUT TABLES

DIMENSIONS (in mm)

MINW.HHH LLL TT.XXX

L mm	B 140		B 180		B 260	
	Watts	Watts	Watts	Watts	Watts	Watts
	75/65	55/45	75/65	55/45	75/65	55/45
1100	198	99	N/A	N/A	345	172
1300	248	124	N/A	N/A	431	215
1500	298	149	N/A	N/A	516	257
1700	347	173	N/A	N/A	603	301
1900	397	198	N/A	N/A	689	344
2100	446	222	N/A	N/A	775	386
2300	496	247	N/A	N/A	861	429
2500	546	272	N/A	N/A	947	472
2700	595	297	N/A	N/A	1034	516
2900	645	322	N/A	N/A	1119	558
3100	694	346	N/A	N/A	1206	601
3300	744	371	N/A	N/A	1292	644
3700	843	420	N/A	N/A	1464	730
4100	942	470	N/A	N/A	1636	816
4500	1042	520	N/A	N/A	1808	902
4900	1141	569	N/A	N/A	1980	987

Output at 20°C room temperature.

Output correction factor: see pages 245-251.

See Mini Canal DBE for up to 300% more output

Mini Canal is also available in a range of other lengths, from 700 mm: [www.jaga.co.uk](http://www.jaga.co.uk)

## GRILLE CODES

### Designo rigid aluminium grilles



**DNA** natural coloured   **DBL** black   **DDB** dark brown   **DBR** brass coloured   **DNC/XXX** (colour) lacquered

### Rigid aluminium grilles



**SNA** natural coloured   **SBL** black   **SDB** dark brown   **SBR** brass coloured   **SNC/XXX** (colour) lacquered

### Roll-up aluminium grilles



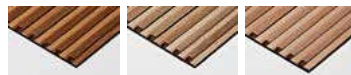
**RNA** natural coloured   **RBL** black   **RDB** dark brown   **RBR** brass coloured   **RSS** stainless steel

### Designo roll-up wooden grilles



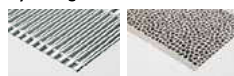
**DMN** merbau varnished   **DON** oak varnished   **DBN** beech varnished

### Roll-up wooden grilles



**RMN** merbau varnished   **RON** oak varnished   **RBN** beech varnished

### Special grilles



**ANA** alu. natural colour   **PNC** cast aluminium

# HEIGHT 140 - OUTPUT TABLES

DIMENSIONS (in mm)

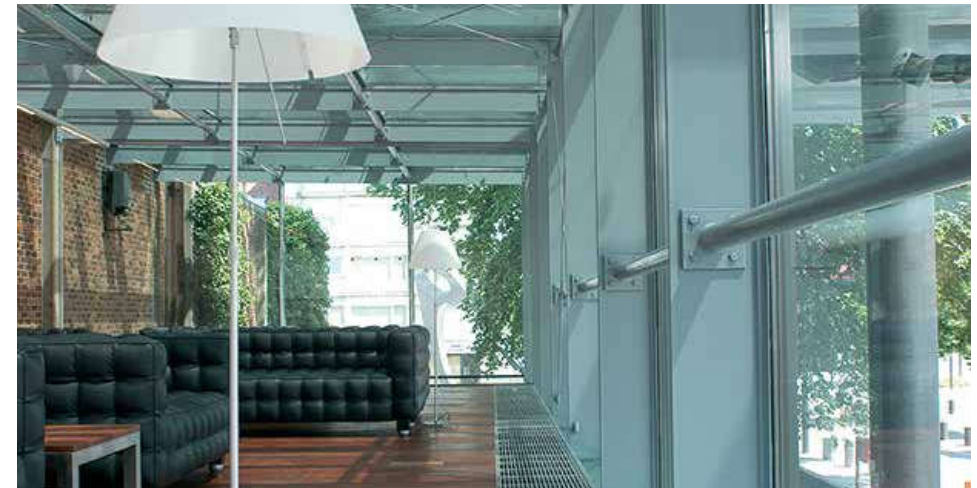
MINW.HHH LLL TT.XXX

L mm	B 340		B 420	
	Watts	Watts	Watts	Watts
	75/65	55/45	75/65	55/45
1100	470	234	633	316
1300	587	293	792	395
1500	705	352	950	474
1700	822	410	1108	553
1900	940	469	1267	632
2100	1057	527	1425	711
2300	1175	586	1583	789
2500	1292	644	1742	869
2700	1409	703	1900	948
2900	1527	762	2058	1026
3100	1644	820	2217	1106
3300	1762	879	2375	1184
3700	1997	996	2692	1343
4100	2232	1113	3008	1500
4500	2467	1230	3325	1658
4900	2702	1347	3642	1816

Output at 20°C room temperature.

Output correction factor: see pages 245-251.

Mini Canal is also available in a range of other lengths, from 700 mm: [www.jaga.co.uk](http://www.jaga.co.uk)



# HEIGHT 190 - OUTPUT TABLES

## DIMENSIONS (in mm)

MINW.HHH LLL TT.XXX

L mm	B 260		B 340		B 420	
	Watts	Watts	Watts	Watts	Watts	Watts
1100	392	195	530	264	728	363
1300	489	244	662	330	909	453
1500	587	293	795	396	1091	544
1700	685	342	927	462	1273	635
1900	782	390	1059	528	1455	726
2100	881	439	1192	594	1637	816
2300	978	488	1324	660	1819	907
2500	1076	537	1457	727	2001	998
2700	1174	585	1590	793	2182	1088
2900	1271	634	1721	858	2365	1179
3100	1370	683	1854	925	2547	1270
3300	1467	732	1987	991	2728	1360
3700	1663	829	2252	1123	3092	1542
4100	1859	927	2516	1255	3456	1724
4500	2054	1024	2781	1387	3820	1905
4900	2250	1122	3046	1519	4184	2087

Output at 20°C room temperature.

Output correction factor: see pages 245-251.

See Mini Canal DBE for up to 300% more output

Mini Canal is also available in a range of other lengths, from 700 mm: [www.jaga.co.uk](http://www.jaga.co.uk)

## GRILLE CODES

### Designo rigid aluminium grilles



**DNA** natural coloured   **DBL** black   **DDB** dark brown   **DBR** brass coloured   **DNC/XXX** (colour) lacquered

### Rigid aluminium grilles



**SNA** natural coloured   **SBL** black   **SDB** dark brown   **SBR** brass coloured   **SNC/XXX** (colour) lacquered

### Roll-up aluminium grilles



**RNA** natural coloured   **RBL** black   **RDB** dark brown   **RBR** brass coloured   **RSS** stainless steel

### Designo roll-up wooden grilles



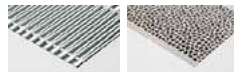
**DMN** merbau varnished   **DON** oak varnished   **DBN** beech varnished

### Roll-up wooden grilles



**RMN** merbau varnished   **RON** oak varnished   **RBN** beech varnished

### Special grilles



**ANA** alu. natural colour   **PNC** cast aluminium

