

# PTHN-425

- > Trench Heater (425 mm Wide)
- > Low Energy Consumption
- > Natural Convection

## DESCRIPTION

Designed to provide heating in areas with large glass walls, for either commercial or domestic applications with lengths from 700 mm to 4800 mm.

### Fixing:

- floor installation
- adjustable fixing feet
- connects to LTHW systems

## WORKING CONDITIONS

Max. temperature 110°C  
Max. overpressure 1 MPa (10 bar)  
Protection IP 20

**Ambient conditions:** Temp. T = +2 to +40°C, Humidity Rh = 20 to 70%

## NOTES

All dimensions are given in mm.  
Extension pieces and valves are available on request.

## CONSTRUCTION

Galvanised steel trough with black powder coating interior. Anodised aluminium ledge.

### Grilles:

Anodised aluminium, wood, stainless steel.

### Options:

- 'J' Ledge (standard) with a choice of colours
- 'L' Ledge overlapped flange with a choice of colours

## GRILLE MATERIALS

### Transverse roll up:

- Aluminium (no finish, bronze or black)
- Stainless Steel
- Oak (natural or stained)
- Beech (natural or stained)

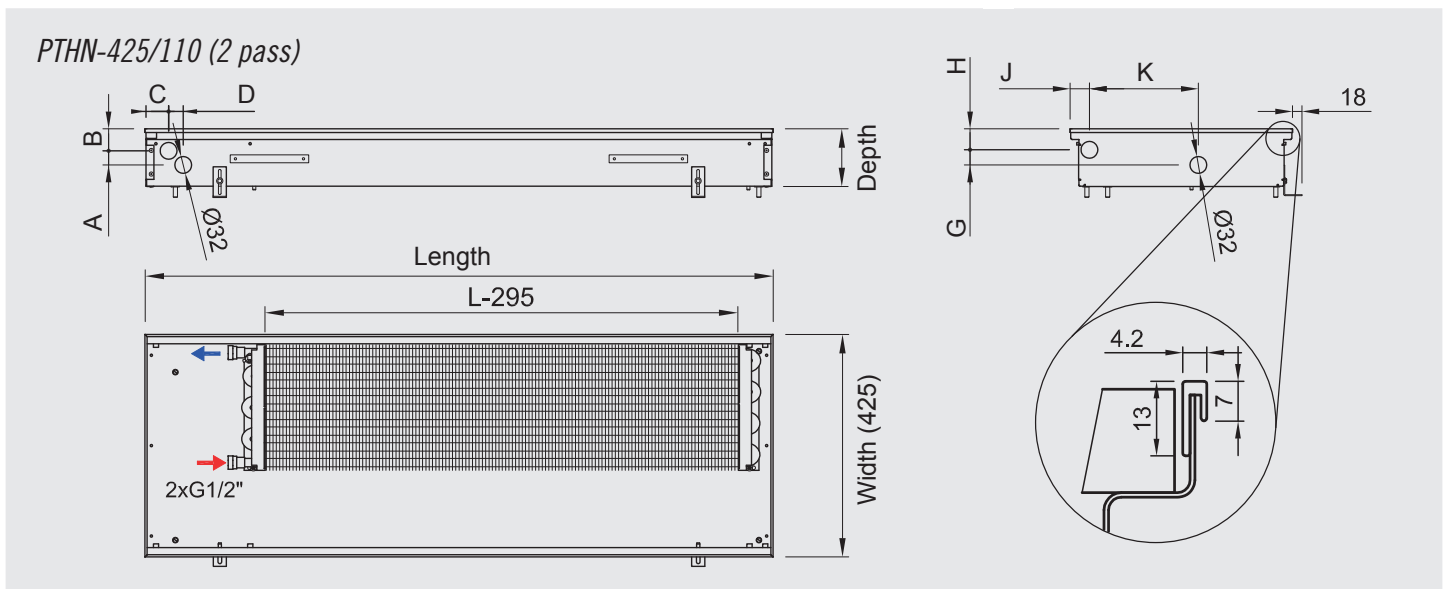
### Linear-non rolling:

- Aluminium (none, bronze or black)

## MODELS

- PTN-425/90:** 90 mm depth (4 pass)  
**PTN-425/110:** 110 mm depth (8 pass)  
**PTN-425/125:** 125 mm depth (8 pass)  
**PTN-425/140:** 140 mm depth (8 pass)  
**PTN-425/165:** 165 mm depth (12 pass)  
**PTN-425/200:** 200 mm depth (12 pass)

DIMENSIONS (mm)						
Model	90	110	125	140	165	200
A	N/A	27	27	27	30	30
B	43	42	42	42	38	38
C	35	43	45	45	45	45
D	38	28	28	28	28	28
G	N/A	29	29	29	30	30
H	43	40	40	40	40	38
J	50	37	37	37	37	36
K	180	208	208	208	208	210



# PTHN-425 – SELECTION DATA

Q[W] 75/65/20°C (ΔT=50°C)		HEATING OUTPUT [W]					
		425/90	425/110	425/125	425/140	425/165	425/200
		n=1.389	n=1.403	n=1.403	n=1.404	n=1.442	n=1.461
Lengths (mm)	700	209	245	319	354	401	435
	900	313	365	477	528	599	649
	1200	468	546	714	790	896	971
	1500	623	727	951	1052	1193	1293
	1800	778	908	1187	1314	1490	1615
	2100	934	1089	1424	1575	1787	1936
	2400	1089	1270	1661	1837	2084	2258
	3000	1399	1632	2134	2361	2678	2902
	3600	1709	1995	2608	2885	3272	3546
	4200	2020	2357	3081	3408	3866	4189
	4800	2330	2719	3555	3932	4460	4833

Q[W] 55/45/20°C (ΔT=30°C)		Heating output [W]					
		425/90	425/110	425/125	425/140	425/165	425/200
		n=1.389	n=1.403	n=1.403	n=1.403	n=1.442	n=1.461
Lengths (mm)	700	103	120	156	173	192	206
	900	154	178	233	258	287	308
	1200	230	267	349	386	429	460
	1500	306	355	464	514	571	613
	1800	383	444	580	642	713	766
	2100	459	532	695	769	856	918
	2400	536	620	811	897	998	1071
	3000	688	797	1042	1153	1282	1376
	3600	841	975	1274	1409	1567	1681
	4200	993	1151	1505	1664	1851	1986
	4800	1146	1328	1736	1920	2135	2291

75/65/20 °C → 75°C inlet temperature, 65°C outlet temp., 20 °C room temp. / **Output 90/70/20 °C** = ~ 1,29 x 75/65/20 °C / **Output 70/55/20 °C** = ~ 0,80 x 75/65/20 °C / Heating outputs in accordance with EN442 / Not listed heating outputs for lengths per 100 mm steps calculate linearly.