

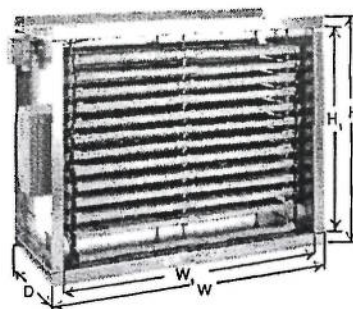
ENGELNORM® ELECTRIC AIR HEATER

ENGELNORM®
ELECTRIC AIR HEATER
Type L 1 - 20 / Universal



Operating voltage:
230 V AC
Circuit: Ph-N
230/400 V rotary current
Circuit: Δ/Y
Installation position: universal

Large performance and
large-volumed design

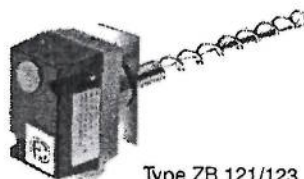


Illus. with STB type ZB 121

Type	Output kW	Switch stages norm./ max	Number of heating grids	Output per heating grid kW	W1	H1	Dim. in mm D	Flange	Alu- minium duct	Weight approx. kg	Free duct cross- section, approx. qm
L 1	0.75	1/3	3	0.25	360	200	250	30	1,5	3	0,06
L 2	1	1/3	3	0,33	360	200	250	30	1,5	3	0,06
L 3	1.5	1/3	3	0,50	360	200	250	30	1,5	3	0,06
L 4	2	2/6	6	0,33	360	280	250	30	1,5	4	0,08
L 5	3	2/6	6	0,50	360	280	250	30	1,5	4	0,08
L 6	4	2/6	6	0,66	360	280	330	30	1,5	5	0,08
L 7	5	2/6	6	0,83	360	280	330	30	1,5	5	0,08
L 8	6	2/6	6	1,00	360	280	330	30	1,5	5	0,08
L 9	9	3/9	9	1,00	460	380	260	30	1,5	6,5	0,14
L 10	12	3/9	9	1,33	460	380	260	30	1,5	6,5	0,14
L 11	15	3/9	9	1,66	460	380	350	30	2,0	9	0,14
L 12	18	3/9	9	2,00	460	380	350	30	2,0	9	0,14
L 13	20	3/9	9	2,22	540	420	350	30	2,0	12	0,18
L 14	24	3/9	9	2,66	540	420	400	30	2,0	15	0,18
L 15	30	3/9	9	3,33	540	420	450	30	2,5	17	0,18
L 16	40	4/12	12	3,33	800	600	350	35	2,5	24	0,38
L 17	50	6/18	18	2,77	800	800	350	35	2,5	27	0,51
L 18	60	6/18	18	3,33	800	800	350	35	2,5	30	0,51
L 19	80	8/24	24	3,33	1000	1000	350	35	2,5	35	0,80
L 20	100	10/30	30	3,33	1200	1200	350	35	3,0	57	1,15

Engelcontrol® Temperature Monitoring and Limiting

acc. to Info No. S 20, suitable for all units
Regulations acc. to VDE-DIN 57100, part 420
Fire-protected acc. to VDI 3803



Type ZB 121/123



Type STBW 225

Type	Unit	Weight approx. kg	availability	Code
ZB 111	Temperature monitor - automatic - change-over switch 230V 10A Temperature adjustable from 313 - 383 K (+40 °C to +110 °C)	0,5	integrated or single	TW
ZB 121	Temperature limiter as STB - locking - change-over switch, 230V 10A Temperature pre-set to 348 K (+75 °C) with switch-on lock, release button behind cover. TÜV-tested acc. to DIN 3440.	0,5		TB
ZB 123	Safety temperature limiter as STB - locking - change-over switch, 230V 10A Temperature pre-set to 373 K (+100 °C) with switch-on lock, release button behind cover. TÜV-tested acc. to DIN 3440.	0,5		STB
STBW 225	Safety temperature limiter and monitor. Two change-over switches, 230V 10A, TÜV-tested acc. to DIN 3440. Inner temperature adjustable from 273 K - 343 K. STB Temperature pre-set to 348 K (+75 °C) with switch-on lock, release knob behind cover.	0,6		STB
ZB 131	Temp. regulator - adjustable duct thermostat, change-over switch 230V 10A. Temp. adjustable from outside from 273 - 343 K (0 to +70 °C), single-staged.	0,5		TR