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CETAL

CT- 080.14

AIR DUCT HEATERS

BTO MODEL FOR ROUND DUCT

Indicated for heating air ducts with a minimum speed of 2 m / s. under local heating.

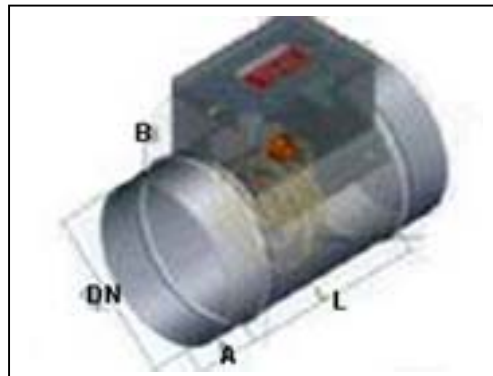
They consist of one or more heating elements shielded tube, shaped and mounted on a galvanized steel support.

Can be installed in standard diameter circular ducts.

incorporate a temperature limiter calibrated to 90 ° C, with automatic reset.

230V circuits. Gland for cable entry.

Wiring can be supplied on request.



W	Weight Kg.	Reference
DN 125 L=180 A=35 B=60		
500	3,00	BTO-12-005*
1000	3,50	BTO-12-010*
DN 160 L=180 A=45 B=60		
500	3,50	BTO-16-005*
1000	4,00	BTO-16-010*
1500	4,50	BTO-16-015
DN 200 L=180 A=45 B=60		
500	5,00	BTO-20-005*
1000	5,50	BTO-20-010
1500	6,00	BTO-20-015
2000	6,50	BTO-20-020
3000	7,00	BTO-20-030

* Single-phase

W	Weight Kg.	Reference
DN 250 L=180 A=45 B=60		
666	6,50	BTO-25-007*
1000	7,00	BTO-25-010
1500	7,50	BTO-25-015
2000	8,00	BTO-25-020
3000	8,50	BTO-25-030
4500	9,00	BTO-25-045
DN 316 L=180 A=55 B=60		
1000	10,00	BTO-31-010*
1500	11,00	BTO-31-015
2000	11,50	BTO-31-020
3000	12,00	BTO-31-030
4500	13,00	BTO-31-045
6000	14,00	BTO-31-060

* Single-phase

W	Weight Kg.	Reference
DN 350 L=180 A=55 B=60		
2000	12,00	BTO-35-020*
3000	13,00	BTO-35-030
4500	14,00	BTO-35-045
6000	16,00	BTO-35-060
7500	18,00	BTO-35-075
DN 400 L=260 A=70 B=80		
1500	14,00	BTO-40-015*
2000	15,00	BTO-40-020
3000	15,50	BTO-40-030
4500	16,00	BTO-40-045
6000	18,00	BTO-40-060
9000	20,00	BTO-40-090

* Single- phase

BTR MODEL FOR RECTANGULAR DUCT

Indicated for heating air ducts with a minimum speed of 2 m / s. under local heating

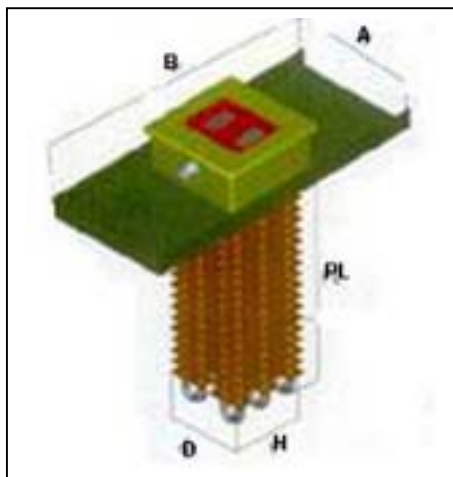
Constructed with ribbed elements mounted on a steel stand

Can be installed in rectangular ducts (system box).

IP55 junction box equipped with a temperature limiter calibrated to 90 ° C, with automatic reset.

230V circuits. Wiring three-phase output with stuffing.

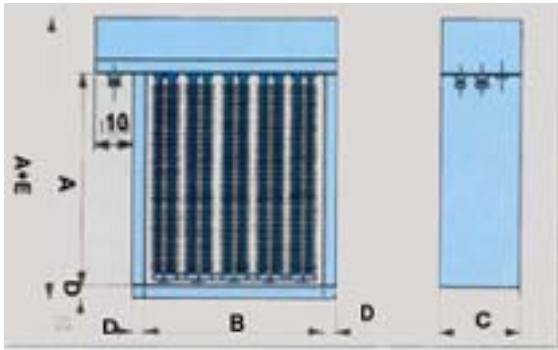
For single-phase wiring please consult us.



W	Weight Kg.	Nº Circ.	Reference
BTR 14 PL=140			
600	2,00	3	BTR-14-006
1200	2,70	6	BTR-14-012
1800	3,80	9	BTR-14-018
BTR 25 PL=250			
1500	2,70	3	BTR-25-015
3000	4,50	6	BTR-25-030
4500	6,00	9	BTR-25-045
BTR 35 PL=350			
2250	3,00	3	BTR-35-022
4500	5,60	6	BTR-35-045
6750	7,50	9	BTR-35-067
BTR 45 PL=450			
3000	3,5	3	BTR-45-030
6000	6,00	6	BTR-45-060
9000	9,00	9	BTR-45-090
BTR 65 PL=650			
4500	4,50	3	BTR-65-045
9000	7,50	6	BTR-65-090
13500	12,00	9	BTR-65-135

DIMENSIONS IN mm.			
	3 Circ.	6 Circ.	9 Circ.
Supporte AxB	170x400	170x400	220x400
Duct HxD	60x120	85x120	110x170

MOUNTED ON FRAME MODELS, B SERIES



Application in heating air or nonflammable gas in forced convection at a maximum temperature of 110 ° C with a minimum fluid velocity of 2m / s.
Ribbed heaters are equipped with standard models and frame is galvanized steel.
Thermostat can be fitted with an appropriate case, and wired in one or more stages.
Circuits at 230V, output with cable gland, mounted on removable plate.

Check for all steel versions for corrosive atmospheres, or for operating temperatures above 110 ° C

Equipment					Dimensions in mm.					
kW	Ribbed model	Nº Circ.	Weigth Kg.	W per Circ.	A	B	C	D	E	Reference
3	AR 8 25 x 50	3	15	1000	460	390	180	35	190	B 3
6		6	17							B 6
9		9	19							B 9
12		12	22							B 12
18	AR 10 25 x 50	12	38	1500	630	700	300	40	190	B 18
22,5		15	41							B 22
27		18	44							B 27
31,5		21	47							B 31
36		24	50	2000	825					B 36
42		21	56							B 42
48		24	60							B 48
54		27	64							B 54
60		30	67							B 60
67,5	AR 16 40 x 80	15	55	4500	1010	1000	300	40	190	B 67
80		18	67							B 81
94,5		21	78							B 94
108		24	90							B 108

SPECIAL PRODUCTION MODELS

Batteries are commonly used to heat air or gas to temperatures up to 850 °C for drying, deshydration, heat treatment, fume catalysis, air treatment units etc.. The elements are formed specially to obtain the best curtain type exchange surface, are fixed to one or more steel or stainless steel boxes for assembly in duct systems.

The batteries are powered by three-phase power supplies up to 750V and can be wired for several power stages. They can be fitted with a temperature control system whereby the power is controlled by parameters such as flow rate, surface temperatures etc..



Reheating of air, nitrogen and oxygen supplied to an oven
Power 250 kW
Input / output temperature 360/550 °C
Flow rate 10000 m³/hr

Heating of air laden suspended talc
Power 540 kW
Input / output temperature 190/400 °C

