



Electrical heating batteries type CVA - MPI

Circular electrical heating battery with built-in pulser for proportional control, the setpoint of the temperature is set by means of a potentiometer on the battery, maximal outlet temperature of 50°C. The minimal air velocity of 1,5 m/s through the battery is required. Available in diameter 100 up to 400 mm and in power range from 300 up to 9000 W. Operating voltage 230 or 400 V AC. To measure the desired temperature it is required to connect an external NTC sensor.

Application

- Pre-heater
- Zone heater
- Constant supply air temperature

Material

- Casing made of aluzinc coated steel, with rubber rings on either side for air tightness
- Heating elements made of stainless steel AISI 304

Specifications

- Two-stage overheat protection: the first stage switches on when the temperature reaches 50°C (resets automatically), the second stage switches on when the temperature reaches 100°C (is reset manually with pushbutton on the casing).
- Setpoint temperature range : 0° to 30°C.

Accessoires

- Duct temperature sensors, type **TG-K330**

Mounting

- Circular ducts

Text for tender

- The heating batteries shall be electrical, of the circular type, made of steel. The heating elements shall be made of stainless steel AISI 304. They shall be equipped with a two-stage overheat protection with automatic reset and manual reset button. Rubber rings shall be fixed on either side for air tightness when mounted to the duct.

Order example

CVA, 200, 1f, 2400, -MPI + TG-K330

Explanation

CVA - MPI = Electrical heater with built-in control and setpoint

200 = Diameter in mm, (see table)

1f = Supply voltage single phase 230V, **2f** = Single phase 400V, **3f** = 3 phase 400V

2400 = Heating power in W, (see table)

Accessories

TG-K330 = Duct temperature sensor

Technical data				
Ø [mm]	Min. Qv [m3/h]	V/50Hz]	P [kW]	In [A]
CVA-MPI 100	40	1~230	0,3/0,6/0,9/1,2	1,4/2,8/4,1/5,5
CVA-MPI 125	70	1~230	0,3/0,6/0,9/1,2/1,5/1,8	1,4/2,8/4,1/5,5/6,8/8,2
CVA-MPI 160	110	1~230	1,2/2,0/2,4	5,5/9,1/10,9
		2~400	3,0/5,0/6,0	7,9/13,2/15,8
		3~400	6	8,70
CVA-MPI 200	170	1~230	1,2/2,0/2,4	5,5/9,1/10,9
		2~400	3,0/5,0/6,0	7,9/13,2/15,8
		3~400	6	8,70
CVA-MPI 250	270	1~230	1,2/2,0/2,4/3,0	5,5/9,1/10,9/13,6
		2~400	3,0/5,0/6,0	7,9/13,2/15,8
		3~400	6,0/9,0	8,7/13,0
CVA-MPI 315	415	1~230	1,2/2,0/2,4	5,5/9,1/10,9
		2~400	3,0/5,0/6,0	7,9/13,2/15,8
		3~400	6,0/9,0/12,0	8,7/13,0/17,3
CVA-MPI 400	690	2~400	3,0/5,0/6,0	7,9/13,2/15,8
		3~400	6,0/9,0/12,0	8,7/13,0/17,3