



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 the supplied 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.

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**

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)

Ø [mm]	Min. Qv [m3/h]	Technical data		
		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