

## PASSIVE HARMONIC FILTERS

Passive harmonic filters are used to reduce the harmonic content of the input current of diode or thyristor rectifiers below the limits specified in EN 61000-3-12. The units are a line filter and a resonance trap. This arrangement ensures maximum harmonic filtering while maintaining a relatively high impedance to the supply line. CAPCONDO harmonic filters are high quality filters designed according to EN 61558-2-20.

This unit is installed at the input of the harmonic generating load (e.g., variable speed drive, inverter, etc.). Passive harmonic filters are available in two forms: wall-mounted type and pedestal-mounted type.



### Technical specifications

- Provides constant capacitive power
- High performance and reliable
- Dampens harmonics up to 90%.
- Minimized resonance risk design
- Built-in overcurrent protection
- Automatic shutdown in case of overload
- Automatically adjusts panel/cabinet interior temperature
- Rated voltage 3 x 400 Vac
- THD-I <8% in nominal operation
- Rated load capacity from 4 to 200 kW
- Insulation class 40°C/F
- Operating ambient temperature -10°C to +45°C
- Protection class IP 21 (other class on request)
- Overheating protection: probe at 132°C NC
- Insulation level : 3kV/1min
- Cooling : Forced natural air cooling
- Cos phi = 1 at load : 50%.
- MTTR : 200000h
- MTBF : <30 minutes
- Overload, capacity:
  - 16xIn for 1min
  - 2xIn for 10 seconds
  - 5xIn for 1 second

## Technical specifications

PRODUCT CODE	Voltage (V)	Power (kW)	Frequency (Hz)	Losses (W)	Indice de protection	Poids (kg)	Dimension (mm)
CAP.PF 400V/4kW	400	4	50	125	IP21	23	206x430x219
CAP.PF 400V/5 kW	400	5	50	157	IP21	30	326x612x293
CAP.PF 400V /5.5 kW	400	5.5	50	160	IP21	31	326x612x293
CAP.PF 400V/7.5 kW	400	7.5	50	225	IP21	34	326x612x293
CAP.PF 400V/10 kW	400	10	50	230	IP21	38	326x612x293
CAP.PF 400V/11 kW	400	11	50	236	IP21	49	326x612x293
CAP.PF 400V/15 kW	400	15	50	260	IP21	55	326x612x293
CAP.PF400V/18.5 kW	400	18.5	50	340	IP21	60	326x612x293
CAP.PF 400V/22 kW	400	22	50	370	IP21	74	326x612x293
CAP.PF 400V /30 kW	400	30	50	380	IP21	97	326x612x293
CAP.PF400V /37 KW	400	37	50	497	IP21	109	514x826x315
CAP.PF 400V /45 kW	400	45	50	574	IP21	121	514x826x315
CAP.PF 400V /55 kW	400	55	50	600	IP21	126	514x826x315
CAP.PF 400V /60 kW	400	60	50	726	IP21	128	700x800x1800
CAP.PF 400V /75 kW	400	75	50	779	IP21	131	700x800x1800
CAP.PF 400V /90 kW	400	90	50	1111	IP21	145	700x800x1800
CAP.PF 400V /100 kW	400	100	50	1185	IP21	161	700x800x1800
CAP.PF 400V /110 kW	400	110	50	1260	IP21	185	700x800x1800
CAP.PF 400V /132 kW	400	132	50	1440	IP21	230	600x1000x2300
CAP.PF 400V /160 kW	400	160	50	1830	IP21	495	600x1000x2300
CAP.PF 400V /200 kW	400	200	50	1980	IP21	550	600x1000x2300