

## VP10 SUPERriphaso



**Part num.:** IA3VFF175050001

**Power (kvar) Ue=400V:** 7.5

**Weight (kg):** 2.1

**Dimensions (mm):** WxDxH 195x89x245 (IP40)

Ue	Un	Umax	f	THDIR%	THDIC%
400V	400V	440V	50 Hz	≤27%	≤85%

### Generalities

Self-extinguishing plastic enclosure painted with epossidic dust paint, colour RAL7030.

IP40 Protection degree.

CRM25 single phase self-healing metallized polypropylene capacitor vacuum impregnated with Un=400V rated voltage.

Discharge resistance.

SUPERriphaso VP10 modules can be combined, with the mechanical and electrical connection elements supplied, to make monoblocks of up to 6 units (45kvar to 400V).

### Keys:

Ue: rated operational voltage

Un: nominal voltage of the capacitor

Umax: maximum operating voltage

THDIR%: total harmonic distortion relatively to the current in the plant

THDC%: total harmonic distortion that capacitor withstands

THDVR%: total harmonic distortion relatively to the voltage in the plant

I250HZ%: percent current of 5th harmonic

Electrical steps nr.: represents the number of possible combinations of the steps

### Technical Info

Rated operational voltage: Ue=400V

Rated frequency: 50Hz

Max current overload In (capacitors): 1.3xIn (continuous)

Max current overload In (capacitors): 2xIn (x 500s every 60 min.)

Max current overload In (capacitors): 3xIn (x 180s every 60 min.)

Max current overload In (capacitors): 4xIn (x 90s every 60 min.)

Max current overload In (capacitors): 5xIn (x 50s every 60 min.)

Max overload Vn: 3xUn (x 1 min.)

Insulation voltage: 3/15kV - Ue ≤ 660V

Temperature class: -25/+70°C

Discharge device: mounted on each bank

Installation: indoor

Service: continuous

Internal connection: delta

Operation devices: capacitors contactors (AC6b)

Total losses: ~ 0.6W/kvar

Inner surface finish: zinc passivation

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