

Type CTA – CTH – CTH/5



The modular three-phase capacitors are designed to compensate industrial networks in low voltage. Their installation and assembly is easy thanks to the modular design.

Due to their construction within a burst proof sheet steel external case, this allows optimum heat dissipation.

Inside there are three single phase units, which are equipped with pressure sensitive disconnectors. In addition to this construction, the self-extinguishing properties of the materials used for the insulators and the protective cap represent a good safety device against possible bursting.

CHARACTERISTICS

• Dielectric	metalized polypropylene
• Execution	dry type
• Capacitance tolerance	-5% / +10%
• Supply	Three phase
• Rated frequency	50 Hz
• Max allowable voltage	1.1 Un (max 8h on 24h)
• Temperature class category	-25°C
• Max value of ambient temperature	+50°C
• Average daily ambient temperature	+40°C
• Average yearly ambient temperature	+30°C
• Degree of protection	IP40 (CEI EN 60529)
• Reference standards capacitors	IEC 831-1, IEC 831-2, CEI EN 60831-1, CEI EN 60831-2
• Test voltage between terminals	2.15 Un / 10 sec
• Test voltage between terminals and case	3000 V / 60 sec
• Dielectric losses	≤ 0.2 W / kVAr
• Total losses of the capacitors	≤ 0.4 W / kVAr
• Discharge resistor	included (75 V residual within 3 min)
• Unit mounting	vertical
• Parallel connection links	included

STANDARD CAPACITIES

Type	Qn (kVAr)	Un (V)	In (A)	Capacity (μ F)	THD(I) max*	Dimensions w x d x h (mm)			Attachment	Weight (kg)
						W	D	H		
CTA	5	230	13	3 x 100	15	70	190	250	Screw M8	3,5
CTH	10	440	13	3 x 56	35					3,5
CTH/5	8	440	11	3 x 44	50					4

*THD(I) max = maximum harmonic distortion on capacities

Option:

The cases can be filled with vermiculite (expanded mineral grain shape, natural and fire resistant isolation).

These can be used in circumstances where fire must be minimalised.