

Modular ready-to-install self-adjusting equipment complete with microprocessor controller, capacitors, control gear and protection devices. RAM 9800-HG is especially designed for central PF correction of very large power systems with high harmonic content.

TECHNICAL SPECIFICATION

Rated voltage: 415 V (other rated voltages on request)
 Rated frequency: 50 Hz (60 Hz on request)
 Temperature: -10 + 40°C
 Cabinet: Epoxy powder coated sheet steel (RAL 7032 colour),
 Free standing,
 Hinged door with key lock,
 Bottom cable entry (neutral connection not required)
 Modular design with up to 4 extractable trays depending on power
 Cooling: Forced ventilation (top centrifugal fan) controlled by thermostat built into the controller
 Protect.degree: IP30 with closed cabinet
 Controller: microprocessor, VARACTOR 650, size 144x144mm.
 Capacitors: Heavy-duty gas-filled (nitrogen) self-healing metallised polypropylene dielectric,
 3-phase units, rated 440V,
 temperature class -25/D (55°C),
 aluminium can with overpressure disconnect and discharge resistors.
 Inductors: Low-loss, high linearity 3-phase detuned inductors rated to a 189 Hz
 (p=7%) detuning factor complete with built-in temperature sensor.
 Contactors: With inrush current suppressors (soft switching system)
 Protections: Load break isolating switch with door interlock
 Contactors pre-release micro switch
 HRC (NH00) fuses
 Losses: Equipment: < 5 W/kvar
 Installation: Indoor, R.H. < 90% (non-condensing), altitude < 2000 m.
 Standards: EN 60439-1/2, EN 61921-1, EN 60831-1/2

Qn (kvar)	Banks (kvar)						Steps	In (A) at 400V	Weight (kg)	P.N.
	1	2	3	4	5	6				

Heavy duty inductor protected types

Un = 415V

300 (*)	50	50	100	100			6	402	486	RAM9800-HG 300-415
350 (*)	50	100	100	100			7	469	507	RAM9800-HG 350-415
400 (*)	33,3	66,6	100	100	100		12	536	554	RAM9800-HG 400-415
450 (*)	50	100	100	100	100		9	603	575	RAM9800-HG 450-415
500 (*)	33,3	66,6	100	100	100	100	15	670	601	RAM9800-HG 500-415
550 (*)	50	100	100	100	100	100	11	737	622	RAM9800-HG 550-415
600 (*)	33,3	66,6	100	100	100	200	18	805	642	RAM9800-HG 600-415
650	50	100	100	100	100	200	13	872	692	RAM9800-HG 650-415
700	33,3	66,6	100	100	200	200	21	939	718	RAM9800-HG 700-415
750	50	100	100	100	200	200	15	1006	739	RAM9800-HG 750-415
800	33,3	66,6	100	200	200	200	24	1073	760	RAM9800-HG 800-415



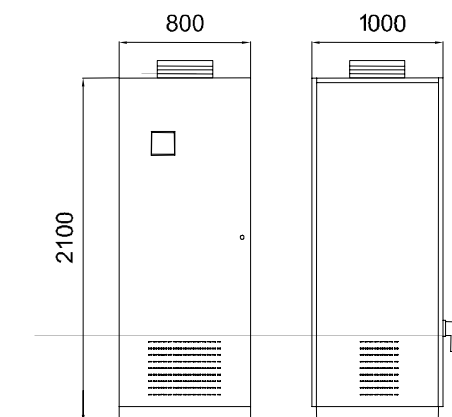
VARACTOR V650 microprocessor controller

- Microprocessor operation
- 3-digit led display with 5 readings (PF, V, Δkvar, THC% over-current, °C) + alarms indication
- alarms and automatic equipment shutdown for over-Volt, over current (harmonics) and over-temperature.
- low PF level warning indicator
- alarm output contact
- built-in thermostat for cooling fan control
- two manual working modes (bank summation and banks distinctly)
- automatic CT orientation and C/K setting
- 20 sec. switching interval (others on demand).



Expandable power

The models marked by (*) may be supplied, on request, complete with built-in electrical and mechanical provisions for power expansion by means of 1 add-on capacitor chassis.



On request:

- Other rated voltages and frequencies.
- 14% (134 Hz) or 5,67% (210 Hz) detuning factors
- Expandable equipment
- Cabinet with top cable entry
- IP54 cabinet. Size 800 x 800 x 2100 mm
- Equipment for cogeneration systems

