

Compact ready-to-install self-adjusting equipment complete with microprocessor based controller, capacitors, control gear and protection devices. RAM 2950 is especially designed for central or sub-department PF correction of lower power systems with low or moderate harmonic content.

TECHNICAL SPECIFICATION

Rated voltage: 400 V, 440 V (other rated voltages on request)
 Frequency: 50 Hz (60 Hz on request)
 Temperature: -10 + 40°C
 Cabinet: Sheet steel, zinc plated frame, painted cover (grey RAL7035 colour)
 Wall mount, top cable entry (neutral not required)
 Hinged tilting and/or removable cover with screw lock
 Cooling: Natural air circulation
 Protect.degree: IP30 with closed cabinet
 Controller: VARACTOR 180, with Self-Programming - No user set-up required
 Digital PF indicator, automatic detection of CT value and polarity.
 Integrated SUPERTEC switching control system.
 20 sec. switching interval, target PF set to .98 (other settings on request)
 Capacitors: **Standard duty types:** self-healing metallised polypropylene dielectric. delta-connected single phase capacitors rated 440V, -25/D (55°C) temperature class, aluminium can with overpressure disconnecter and discharge resistors.
Heavy duty types: heavy duty gas-filled (nitrogen) self-healing metallised polypropylene dielectric, 3-phase capacitors rated 440V, temperature class -25/D (55°C), aluminium can with overpressure disconnecter and discharge resistors.
 Contactors: With inrush current suppressors (*soft* switching system)
 SUPERTEC switching control system integrated in the controller
 Protections: Load break isolating switch, HRC (NH00) fuses
 Losses: Equipment: < 1,5 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	W.ght (kg)	P.N.
	1	2	3	4				

Standard duty types Un = 400V

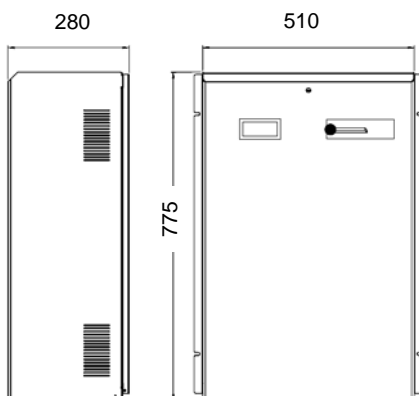
68,5 (87,5)	6,25(+6,25)	12,5(+12,5)	25	25	11	98	33,5	RAM 2950-68,5-400
75 (87,5)	12,5	12,5(+12,5)	25	25	6	108	35	RAM 2950-75-400
87,5 (100)	12,5	25	25	25(+12,5)	7	128	40	RAM 2950-87,5-400
100	12,5	25	25	37,5	8	144	42	RAM 2950-100-400

Standard duty types Un = 440V

67,5 (90)	7,5 (+7,5)	15(+15)	15	30	10	80	36,2	RAM 2950-67,5-440
82,5 (105)	7,5 (+7,5)	15(+15)	30	30	11	98	37	RAM 2950-82,5-440
90 (105)	15	15(+15)	30	30	6	107	38	RAM 2950-90-440
105 (120)	15	30	30	30(+15)	7	125	40	RAM 2950-105-440
120	15	30	30	45	8	142	41	RAM 2950-120-440

Heavy duty types Un = 400V

68,5	6,25	12,5	25	25	11	98	35,5	RAM 2950HG-68,5-400
75	12,5	12,5	25	25	6	108	35,6	RAM 2950HG-75-400
87,5	12,5	25	25	25	7	126	36,5	RAM 2950HG-87,5-400
100	25	25	25	25	4	144	37,5	RAM 2950HG-100-400



VARACTOR 180 microprocessor controller

- microprocessor operation
- digital PF indicator
- automatic correction of CT orientation
- automatic recognition of CT value
- self-programming - No user set-up required



Built-in SUPERTEC switching control system

Microprocessor-based system built-in to the Varactor 180 controller ensuring:

- "intelligent" solid-state contactors control
- stabilised contactors supply over extreme line variations
- comprehensive extension of contactor and capacitor life
- 90% reduction of contactor heat dissipation



Expandable power

The double power rating indicates units already sized and prepared for future power expansion to the value in brackets. The expansion is quickly carried out on-site (without cabinet removal and without any special tool), by fitting and connecting the capacitors only, supplied in kit complete with connecting leads.

Expansion kit	P.N.
6,25 kvar 400V	KAP 6,25-400
12,5 kvar 400 V	KAP 12,5-400
7,5 kvar 440V	KAP 7,5-440
15 kvar 440 V	KAP 15-440



On request:

- Other rated voltages and frequencies
- IP54 cabinet size 600 x 250 x 1000 mm
- Equipment for cogeneration systems