

Compact ready-to-install self-adjusting equipment complete with microprocessor based controller, capacitors, control gear and protection devices. RAM 2850 is especially designed for central or sub-department PF correction of lower power systems with low or moderate harmonic content.

TECHNICAL SPECIFICATION

Rated voltage: 415, 440V (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.
 3-phase capacitors rated 415V or 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, -25/D (55°C) temperature class, 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 = 415V

30 (60)	5 (+5+5+5)	10 (+5+5)	15 (+5)		6	40	20,2	RAM 2850-30-415
35 (60)	5 (+5+5+5)	10 (+5+5)	20		7	47	20,6	RAM 2850-35-415
37,5 (55)	2,5(+2,5)	5 (+5)	10 (+5+5)	20	15	50	21	RAM 2850-37,5-415
40 (60)	10 (+5+5)	10 (+5+5)	20		4	54	21	RAM 2850-40-415
45 (60)	5 (+5)	10	10 (+5+5)	20	9	60	22,2	RAM 2850-45-415
50 (60)	10 (+5+5)	20	20		5	67	22,8	RAM 2850-50-415
55 (60)	5 (+5)	10	20	20	11	74	23	RAM 2850-55-415
60	10	10	20	20	6	80	23,4	RAM 2850-60-415

Standard duty types

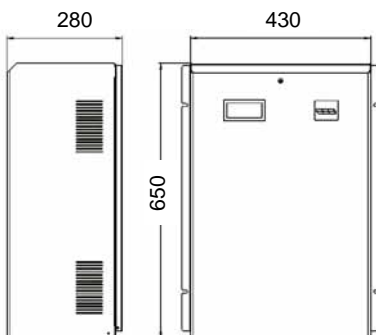
Un = 440V

45 (52,5)	7,5	15	15	22,5 (+7,5)	6	54	21,5	RAM 2850-45-440
52,5 (60)	7,5 (+7,5)	15	30		7	63	22,3	RAM 2850-52,5-440
60 (75)	15	15 (+15)	30		4	72	22,5	RAM 2850-60-440
75	15	30	30		5	89	23	RAM 2850-75-440

Heavy duty types

Un = 400V

12,5	3,125	3,125	6,25		4	18	21,6	RAM 2850HG 12,5-400
15	3,125	6,25	6,25		5	22	21,8	RAM 2850HG 15-400
20	3,125	6,25	12,5		7	31	22,0	RAM 2850HG 20-400
28	3,125	6,25	6,25	12,5	9	40	24,6	RAM 2850HG 28-400
35	3,125	6,25	12,5	12,5	11	49	24,8	RAM 2850HG 35-400
47	3,125	6,25	12,5	25	15	67	25,4	RAM 2850HG 47-400
50	6,25	6,25	12,5	25	8	72	26,0	RAM 2850HG 50-400
56	6,25	12,5	12,5	25	9	80	26,2	RAM 2850HG 56-400
62,5	12,5	25	25		5	90	24,4	RAM 2850HG 62,5-400



On request:

- Other rated voltages and frequencies
- IP54 cabinet size 600 x 250 x 800 mm
- Equipment for cogeneration systems

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.
2,5 kvar 415V	KP2,5-415
5 kvar 415V	KAP 5-415
7,5 kvar 440V	KAP 7,5-440
15 kvar 440V	KAP 15-440

