

Type AAR/5

Ventilation	forced ventilation is programmed and regulated by the regulator (BMR6 – 12).
Isolation Voltage	550 Vac
THD(I)_{max}	100% on the capacitors (> 60 % in the network)
Frequency	50 Hz
Working voltage	415 V
Power	Q _n = received power on the required tension and frequency
Operating voltage	230 V via a built-in transformer
Temperature range	-5°C / +40°C
Cabinet	in robust sheet steel, RAL 7035
Protection degree	IP 40 , open door IP 20 (IP 55 on request)
Lock	By key.
Short- circuit capacity	40 kA
Terminal	series EE : at the top series G4M kit / G6M kit / G7M kit / G8M kit : at the bottom
Wiring	internal wiring is realized according to the norm N07VK CEI 20-22 II fireproof
Contactors	for high reliability each bank of capacitors is controlled by its own three-pole contactor. To limit the switching on inrush current each contactor is provided with chokes or resistors.
Fuses	Every bank is protected by a set of 3 HRC fuses (NH00 type – curve gG); the driving circuit is protected with tube fuses (10x38 mm)
Capacitors	single phase, connected in triangle self-healing, metalized polypropylene film, equipped with overpressure safety device and discharge resistor. All are compliant with standard dry type (only the dielectricum is impregnated with biodegradable oil, PCB free) <ul style="list-style-type: none"> ○ capacitance tolerance : -5% / +10% ○ total losses of the capacitors : ≤0.4 W/kVAR ○ temperature category : -25/D according to standard CEI EN 60831-1
Induction coil	anti-harmonic induction coil tuned to 14% (135 Hz)
Regulator	varmetric relay (type QSR or BMR) entry 5A for TI 5VA class 1, secondary current adapted to the network entry for voltage 415 V switching on/off times : 25 à 30 sec
Reference standards	capacitors : CEI EN 60831-1/2 IEC 831-1/2 UL 810 equipment : CEI EN 60439-1 IEC 439-1

STANDARD CAPACITIES TYPE AAR/5

Type	Qn kVAr	In A	Steps kVAr	Principle n x kVAr	Regulator	Dimensions h x w x d mm	Weight kg
EE AAR/5	25	36	5 10 10	5 x 5	QSR4	1000 x 800 x 400	50
EE AAR/5	30	43	10 20	3 x 10			55
EE AAR/5	40	58	10 10 20	4 x 10			60
EE AAR/5	45	65	15 30	3 x 15			62
EE AAR/5	50	72	10 20 20	5 x 10			69
EE AAR/5	60	87	15 15 30	4 x 15			75
G4M kit AAR/5	75	108	15 30 30	5 x 15	QSR4	1100 x 800 x 600	85
G4M kit AAR/5	90	130	15 15 30 30	6 x 15		+ socle 100	95
G4M kit AAR/5	105	152	15 30 60	7 x 15			115
G4M kit AAR/5	120	173	30 30 60	4 x 30			125
G4M kit AAR/5	135	195	15 30 30 60	9 x 15			145
G4M kit AAR/5	150	217	30 60 60	5 x 30			165
G7M kit AAR/5	165	238	15 30 60 60	11 x 15	BMR6	2000 x 800 x 600	185
G7M kit AAR/5	180	260	30 30 60 60	6 x 30	QSR4	+ socle 100	205
G7M kit AAR/5	195	282	15 30 30 60 60	13 x 15	BMR6		225
G7M kit AAR/5	210	303	30 60 60 60	7 x 30	QSR4		235
G7M kit AAR/5	225	325	15 30 60 60 60	15 x 15	BMR6		255
G7M kit AAR/5	240	347	30 30 60 60 60	8 x 30			265
G7M kit AAR/5	270	390	30 60 60 60 60	9 x 30	BMR6		285
G7M kit AAR/5	300	434	60 60 60 60 60	5 x 60			305
G7M kit AAR/5	300	434	30 30 60 60 60 60	10 x 30			325
G7M kit AAR/5	330	434	30 60 60 60 60 60	11 x 30			430
G7M kit AAR/5	360	434	60 60 60 60 60 60	6 x 60			445
G8M kit AAR/5	330	477	1 x 30 + 5 x 60	11 x 30	BMR12	1000 x 800 x 2000	430
G8M kit AAR/5	360	520	6 x 60	6 x 60		+ socle 100	460
G8M kit AAR/5	390	564	1 x 30 + 6 x 60	13 x 30			520
G8M kit AAR/5	420	607	7 x 60	7 x 60			550
G8M kit AAR/5	480	694	8 x 60	8 x 60			610
G8M kit AAR/5	510	737	1 x 30 + 8 x 60	17 x 30			620
G8M kit AAR/5	540	752	9 x 60	9 x 60			640
G8M kit AAR/5	600	867	10 x 60	10 x 60			720