

## ARM SERIES

# Automatic Capacitor Banks with harmonic filters.

440 V, 50 Hz

### General Information

- Specially designed to be installed in systems with higher rates of voltage harmonics distortion THD-V 3% and current harmonics distortion THD-I 30%
- Indoor mounting and ventilated room
- Inside cabinet temperature máx. ≤55°C
- Cable entry top or bottom
- IP31 (Others IP upon request)

### Components

- DWCAP RCT or MA/C/CE TER RCT Capacitors.
- Harmonic filters tuned to the resonance frequency 210, 189 and 134 Hz.
- With or without On-load break switch (ICC)
- Capacitor duty contactors with dumping resistors
- HRC fuses or MCB for steps protection
- Microprocessor based PFC regulator
- Galvanized sheet metal cabinet and RAL 7035

### Upon request

RTR Technical team can assist for designing PFC equipment's which suit to the customer needs for different powers, voltage, frequency, auxiliary equipment's...

### Standard

- IEC 61921
- UNE-EN 61921

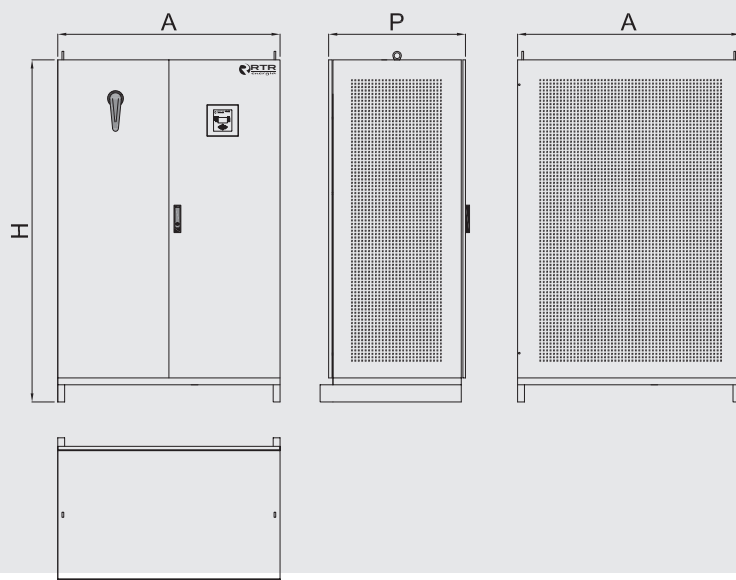
Without on-load break switch



With on-load break switch



### Dimensions



**Without on-load break switch**

Code	Power	Voltage	Composition	Program	Dimensions
	KVAr	V	KVAr		
MF4400005025000	5	440	2 (2x2,5)	1:1	900x800x400
MF4400007525000	7,5	440	2 (1x2,5+1x5)	1:2	900x800x400
MF4400012535000	12,5	440	3 (1x2,5+2x5)	1:2:2	900x800x400
MF4400017535000	17,5	440	3 (1x2,5+1x5+2x10)	1:2:4	900x800x400
MF4400020035000	20	440	3 (2x5+1x10)	1:2:2	900x800x400
MF4400025035000	25	440	3 (1x5+2x10)	1:2:2	900x800x400
MF4400027545000	27,5	440	4 (1x2,5+1x5+2x10)	1:2:4	900x800x400
MF4400035035000	35	440	3 (1x5+1x10+1x20)	1:2:2	900x800x400
MF4400037535000	37,5	440	3 (3 (1x7,5+2x15)	1:2:2	900x800x400
MF4400040035000	40	440	3 (2x10+1x20)	1:2:2	900x800x400
MF4400050035000	50	440	3 (1x10+2x20)	1:2:2	900x800x400
MF4400060065000	60	440	6 (6x10)	1:1:1	1100x800x400
MF4400067555000	67,5	440	5 (1x7,5+4x15)	1:2:2	1100x800x400
MF4400070045000	70	440	4 (1x10+3x20)	1:2:2	1100x800x400
MF4400075055000	75	440	5 (1x5+1x10+3x20)	1:2:4	1100x800x400
MF4400090055000	90	440	5 (1x10+4x20)	1:2:2	1100x800x400
MF4400105045000	105	440	4 (1x15+3x30)	1:2:2	1600x1000x500
MF4400125065000	125	440	6 (2x12,5+4x25)	1:2:2	1600x1000x500
MF4400135055000	135	440	5 (1x15+4x30)	1:2:2	1600x1000x500
MF4400150065000	150	440	6 (6x25)	1:1:1	1600x1000x500
MF4400165065000	165	440	6 (1x15+5x30)	1:2:2	2000x1000x800
MF4400190065000	190	440	6 (1x10+1x20+4x40)	1:2:4	2000x1000x800
MF4400210045000	210	440	4 (1x30+3x60)	1:2:2	2000x1000x800
MF4400225055000	225	440	5 (1x25+4x50)	1:2:2	2000x1000x800
MF4400255065000	255	440	6 (1x15+2x30+3x60)	1:2:2:4	2000x1000x800
MF4400270055000	270	440	5 (1x30+4x60)	1:2:2	2000x1000x800
MF4400300065000	300	440	6 (2x30+4x60)	1:1:2	2000x1000x800
MF4400330065000	330	440	6 (1x30+5x60)	1:2:2	2000x1000x800
MF4400360065000	360	440	6 (6x60)	1:1:1	2000x1000x800
MF4400390075000	390	440	7 (1x30+6x60)	1:2:2	2000x1300x800
MF4400405085000	405	440	8 (1x15+1x30+6x60)	1:2:4	2000x1300x800
MF4400420085000	420	440	8 (2x30+6x60)	1:2:2	2000x1300x800
MF4400510095000	510	440	9 (1x30+8x60)	1:2:2	2000x1600x800
MF44005700V5000	570	440	10 (1x30+9x60)	1:2:2	2000x1600x800
MF44006000W5000	600	440	11 (2x30+9x60)	1:2:2	2000x1600x800
MF44006600X5000	660	440	12 (2x30+10x60)	1:2:2	2x(2000x1000x800)

**With on-load break switch**

Code	Power	Voltage	Composition	Program	Dimensions
	KVAr	V	KVAr		
MF4400005025100	5	440	2 (2x2,5)	1:1	900x800x400
MF4400007525100	7,5	440	2 (1x2,5+1x5)	1:2	900x800x400
MF4400012535100	12,5	440	3 (1x2,5+2x5)	1:2:2	900x800x400
MF4400017535100	17,5	440	3 (1x2,5+1x5+2x10)	1:2:4	900x800x400
MF4400020035100	20	440	3 (2x5+1x10)	1:2:2	900x800x400
MF4400025035100	25	440	3 (1x5+2x10)	1:2:2	900x800x400
MF4400027545100	27,5	440	4 (1x2,5+1x5+2x10)	1:2:4	900x800x400
MF4400035035100	35	440	3 (1x5+1x10+1x20)	1:2:4	900x800x400
MF4400037535100	37,5	440	3 (3 (1x7,5+2x15)	1:2:2	900x800x400
MF4400040035100	40	440	3 (2x10+1x20)	1:2:2	900x800x400
MF4400050035100	50	440	3 (1x10+2x20)	1:2:2	900x800x400
MF4400060065100	60	440	6 (6x10)	1:1:1	1100x800x400
MF4400067555100	67,5	440	5 (1x7,5+4x15)	1:2:2	1100x800x400
MF4400070045100	70	440	4 (1x10+3x20)	1:2:2	1100x800x400
MF4400075055100	75	440	5 (1x5+1x10+3x20)	1:2:4	1100x800x400
MF4400090055100	90	440	5 (1x10+4x20)	1:2:2	1100x800x400
MF4400105045100	105	440	4 (1x15+3x30)	1:2:2	1600x1000x500
MF4400125065100	125	440	6 (2x12,5+4x25)	1:2:2	1600x1000x500
MF4400135055100	135	440	5 (1x15+4x30)	1:2:2	1600x1000x500
MF4400150065100	150	440	6 (6x25)	1:1:1	1600x1000x500
MF4400165065100	165	440	6 (1x15+5x30)	1:2:2	2000x1000x800
MF4400190065100	190	440	6 (1x10+1x20+4x40)	1:2:4	2000x1000x800
MF4400210045100	210	440	4 (1x30+3x60)	1:2:2	2000x1000x800
MF4400225055100	225	440	5 (1x25+4x50)	1:2:2	2000x1000x800
MF4400255065100	255	440	6 (1x15+2x30+3x60)	1:2:2:4	2000x1000x800
MF4400270055100	270	440	5 (1x30+4x60)	1:2:2	2000x1000x800
MF4400300065100	300	440	6 (2x30+4x60)	1:1:2	2000x1000x800
MF4400330065100	330	440	6 (1x30+5x60)	1:2:2	2000x1000x800
MF4400360065100	360	440	6 (6x60)	1:1:1	2000x1000x800
MF4400390075100	390	440	7 (1x30+6x60)	1:2:2	2000x1300x800
MF4400405085100	405	440	8 (1x15+1x30+6x60)	1:2:4	2000x1300x800
MF4400420085100	420	440	8 (2x30+6x60)	1:2:2	2000x1300x800
MF4400510095100	510	440	9 (1x30+8x60)	1:2:2	2000x1600x800
MF44005700V5100	570	440	10 (1x30+9x60)	1:2:2	2000x1600x800
MF44006000W5100	600	440	11 (2x30+9x60)	1:2:2	2x(2000x1000x800)
MF44006600X1500	660	440	12 (2x30+10x60)	1:2:2	2x(2000x1000x800)

\* Others powers, voltages and frequencies upon request.