

MODULAR SERIES

Automatic Capacitor Banks with or without on-load break switch. 440 V, 50 Hz

General Information

- Specially designed to improve reactive power in installations where there is high reactive energy consumption.
- Indoor mounting and ventilated room
- Inside cabinet temperature máx. $\leq 55^{\circ}\text{C}$
- Left side top entry

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...

Components

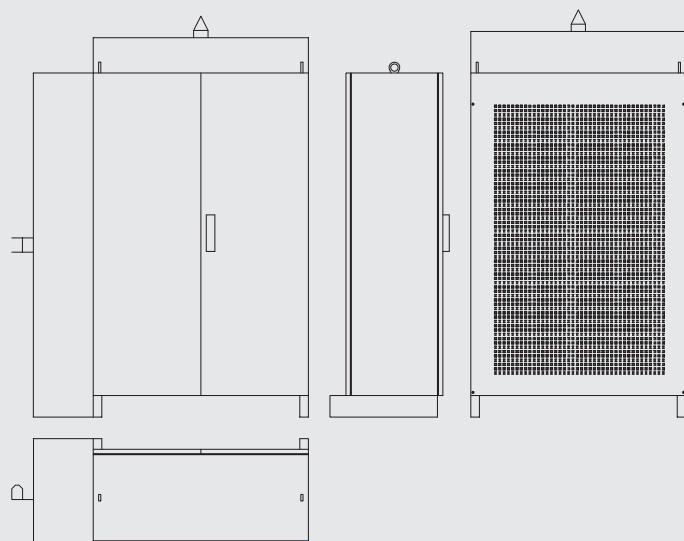
- DWCAP or MA/C/CE TER Capacitors.
- With or without On-load break switch (ICC)
- Capacitor duty contactors with dumping resistors
- HRC fuses or MCB for steps protection
- Microprocessor based PFC regulator
- Galvanized sheet metal cabinet and RAL 1013

Standard

- IEC 60831-1/2
- UNE-EN 60831-1/2



Dimensions



Automatic Capacitor Banks with or without on-load break switch. 440 V, 50 Hz

Code without ICC	Code with ICC	Power	Voltage	Composition	Program	Dimensions
		KVAr	V	KVAr		HxAxP mm
MO4401900650000	MO4401900651000	190	440	6 (1x10+1x20+4x40)	1:2:4	1300x1000x500
MO4402000650000	MO4402000651000	200	440	6 (2x20+4x40)	1:1:2	1300x1000x500
MO4402000550000	MO4402000551000	200	440	5 (5x40)	1:1:1	1300x1000x500
MO4402100450000	MO4402100451000	210	440	4 (1x30+3x60)	1:2:2	1300x1000x500
MO4402200650000	MO4402200651000	220	440	6 (1x20+5x40)	1:2:2	1300x1000x500
MO4402250550000	MO4402250551000	225	440	5 (1x25++4x50)	1:2:2	1300x1000x500
MO4402400650000	MO4402400651000	240	440	6 (6x40)	1:1:1	1300x1000x500
MO4402400750000	MO4402400751000	240	440	7 (2x20+5x40)	1:1:2	1300x1000x500
MO4402500550000	MO4402500551000	250	440	5 (5x50)	1:1:1	1300x1000x500
MO4402500650000	MO4402500651000	250	440	6 (2x25+4x50)	1:1:2	1300x1000x500
MO4402600750000	MO4402600751000	260	440	7 (1x20+6x40)	1:2:2	1300x1000x500
MO4402750650000	MO4402750651000	275	440	6 (1x25+5x50)	1:2:2	1300x1000x500
MO4403000550000	MO4403000551000	300	440	5 (5x60)	1:1:1	1300x1000x500
MO4403000650000	MO4403000651000	300	440	6 (2x30+4x60)	1:1:2	1300x1000x500
MO4403150750000	MO4403150751000	315	440	7 (1x15+2x30+4x60)	1:2:4	1300x1000x500
MO4403300650000	MO4403300651000	330	440	6 (1x30+5x60)	1:2:2	1300x1000x500
MO4403600650000	MO4403600651000	360	440	6 (6x60)	1:1:1	1300x1000x500
MO4403600750000	MO4403600751000	360	440	7 (2x30+5x60)	1:1:2	1300x1000x500
MO4403750850000	MO4403750851000	375	440	8 (1x25+7x50)	1:2:2	1600x1000x500
MO4403900750000	MO4403900751000	390	440	7 (1x30+6x60)	1:2:2	1300x1000x500
MO4404050850000	MO4404050851000	405	440	8 (1x15+1x30+6x60)	1:2:4	1600x1000x500
MO4404200750000	MO4404200751000	420	440	7 (7x60)	1:1:1	1300x1000x500
MO4404350950000	MO4404350951000	435	440	9 (1x15+2x30+6x60)	1:2:4	1700x1500x700
MO4404500850000	MO4404500851000	450	440	8 (1x30+7x60)	1:2:2	1600x1000x500
MO4404650950000	MO4404650951000	465	440	9 (1x15+1x30+7x60)	1:2:4	1700x1500x700
MO4404800850000	MO4404800851000	480	440	8 (8x60)	1:1:1	1700x1500x700
MO4404800950000	MO4404800951000	480	440	9 (2x30+7x60)	1:1:2	1700x1500x700
MO4404950V50000	MO4404950V51000	495	440	10 (1x15+2x30+7x60)	1:2:4	1700x1500x700
MO4405100950000	MO4405100951000	510	440	9 (1x30+8x60)	1:2:2	1700x1500x700
MO4405250V50000	MO4405250V51000	525	440	10 (1x15+1x30+8x60)	1:2:4	1700x1500x700
MO4405400950000	MO4405400951000	540	440	9 (9x60)	1:1:1	1700x1500x700
MO4405400V50000	MO4405400V51000	540	440	10 (2x30+8x60)	1:1:2	1700x1500x700
MO4405550V50000	MO4405550V51000	555	440	11 (1x15+2x30+8x60)	1:2:4	1700x1500x700
MO4405700V50000	MO4405700V51000	570	440	10 (1x30+9x60)	1:2:2	1700x1500x700
MO4406000V50000	MO4406000V51000	600	440	10 (10x60)	1:1:1	1700x1500x700
MO4406000W50000	MO4406000W51000	600	440	11 (2x30+9x60)	1:1:2	1700x1500x700
MO4406300W50000	MO4406300W51000	630	440	11 (1x30+10x60)	1:2:2	1700x1500x700
MO4406600W50000	MO4406600W51000	660	440	11 (11x60)	1:1:1	1700x1500x700
MO4406600X50000	MO4406600X51000	660	440	12 (2x30+10x60)	1:1:2	1700x1500x700
MO4406900X50000	MO4406900X51000	690	440	12 (1x30+11x60)	1:2:2	1700x1500x700
MO4407200X50000	MO4407200X51000	720	440	12 (12x60)	1:1:1	1700x1500x700

* Other voltages and frequencies upon request

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
- Left side top entry

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 o MCB for steps protection
- Microprocessor based PFC regulator
- Galvanized sheet metal cabinet and RAL 1013

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 60831-1/2
- UNE-EN 60831-1/2

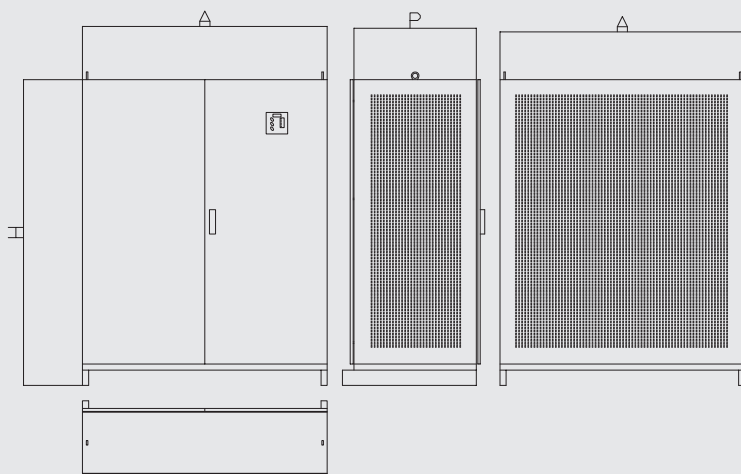
Without on-load break switch



With on-load break switch



Dimensions



Without on-load break switch

Code	Power	Voltage	Composition	Program	Dimensions
	KVAr	V	KVAr		HxAxP mm
MF4400005025000	5	440	2 (2x2,5)	1:1	1000x 800x400
MF4400007525000	7,5	440	2 (1x2,5+1x5)	1:2	1000x 800x400
MF4400012535000	12,5	440	3 (1x2,5+2x5)	1:2:2	1000x 800x400
MF4400017535000	17,5	440	3 (1x2,5+1x5+2x10)	1:2:4	1000x 800x400
MF4400020035000	20	440	3 (2x5+1x10)	1:2:2	1000x 800x400
MF4400025035000	25	440	3 (1x5+2x10)	1:2:2	1000x 800x400
MF4400027545000	27,5	440	4 (1x2,5+1x5+2x10)	1:2:4	1000x 800x400
MF4400035035000	35	440	3 (1x5+1x10+1x20)	1:2:2	1000x 800x400
MF4400037535000	37,5	440	3 (3 (1x7,5+2x15)	1:2:2	1000x 800x400
MF4400040035000	40	440	3 (2x10+1x20)	1:2:2	1000x 800x400
MF4400050035000	50	440	3 (1x10+2x20)	1:2:2	1300x1000x400
MF4400060065000	60	440	6 (6x10)	1:1:1	1300x1000x400
MF4400067555000	67,5	440	5 (1x7,5+4x15)	1:2:2	1300x1000x400
MF4400070045000	70	440	4 (1x10+3x20)	1:2:2	1300x1000x400
MF4400075055000	75	440	5 (1x5+1x10+3x20)	1:2:4	1300x1000x400
MF4400090055000	90	440	5 (1x10+4x20)	1:2:2	1300x1000x400
MF4400105045000	105	440	4 (1x15+3x30)	1:2:2	1300x1000x400
MF4400125065000	125	440	6 (2x12,5+4x25)	1:2:2	1600x1000x400
MF4400135055000	135	440	5 (1x15+4x30)	1:2:2	1600x1000x400
MF4400150065000	150	440	6 (6x25)	1:1:1	1600x1000x400
MF4400165065000	165	440	6 (1x15+5x30)	1:2:2	2000x1000x400
MF4400190065000	190	440	6 (1x10+1x20+4x40)	1:2:4	2000x1000x400
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
MF44006000V5000	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		HxAxP mm
MF4400005025I00	5	440	2 (2x2,5)	1:1	1000x 800x300
MF4400007525I00	7,5	440	2 (1x2,5+1x5)	1:2	1000x 800x300
MF4400012535I00	12,5	440	3 (1x2,5+2x5)	1:2:2	1000x 800x300
MF4400017535I00	17,5	440	3 (1x2,5+1x5+2x10)	1:2:4	1000x 800x300
MF4400020035I00	20	440	3 (2x5+1x10)	1:2:2	1000x 800x300
MF4400025035I00	25	440	3 (1x5+2x10)	1:2:2	1000x 800x300
MF4400027545I00	27,5	440	4 (1x2,5+1x5+2x10)	1:2:4	1300x1000x400
MF4400035035I00	35	440	3 (1x5+1x10+1x20)	1:2:4	1300x1000x400
MF4400037535I00	37,5	440	3 (3 (1x7,5+2x15)	1:2:2	1300x1000x400
MF4400040035I00	40	440	3 (2x10+1x20)	1:2:2	1300x1000x400
MF4400050035I00	50	440	3 (1x10+2x20)	1:2:2	1300x1000x400
MF4400060065I00	60	440	6 (6x10)	1:1:1	1600x1000x400
MF4400067555I00	67,5	440	5 (1x7,5+4x15)	1:2:2	1600x1000x400
MF4400070045I00	70	440	4 (1x10+3x20)	1:2:2	1600x1000x400
MF4400075055I00	75	440	5 (1x5+1x10+3x20)	1:2:4	1600x1000x400
MF4400090055I00	90	440	5 (1x10+4x20)	1:2:2	1600x1000x400
MF4400105045I00	105	440	4 (1x15+3x30)	1:2:2	1600x1000x400
MF4400125065I00	125	440	6 (2x12,5+4x25)	1:2:2	1600x1000x400
MF4400135055I00	135	440	5 (1x15+4x30)	1:2:2	1600x1000x400
MF4400150065I00	150	440	6 (6x25)	1:1:1	1600x1000x400
MF4400165065I00	165	440	6 (1x15+5x30)	1:2:2	2000x1000x400
MF4400190065I00	190	440	6 (1x10+1x20+4x40)	1:2:4	2000x1000x400
MF4400210045I00	210	440	4 (1x30+3x60)	1:2:2	2000x1000x800
MF4400225055I00	225	440	5 (1x25+4x50)	1:2:2	2000x1000x800
MF4400255065I00	255	440	6 (1x15+2x30+3x60)	1:2:2:4	2000x1000x800
MF4400270055I00	270	440	5 (1x30+4x60)	1:2:2	2000x1000x800
MF4400300065I00	300	440	6 (2x30+4x60)	1:1:2	2000x1000x800
MF4400330065I00	330	440	6 (1x30+5x60)	1:2:2	2000x1000x800
MF4400360065I00	360	440	6 (6x60)	1:1:1	2000x1000x800
MF4400390075I00	390	440	7 (1x30+6x60)	1:2:2	2000x1300x800
MF4400405085I00	405	440	8 (1x15+1x30+6x60)	1:2:4	2000x1300x800
MF4400420085I00	420	440	8 (2x30+6x60)	1:2:2	2000x1300x800
MF4400510095I00	510	440	9 (1x30+8x60)	1:2:2	2000x1600x800
MF44005700V5I00	570	440	10 (1x30+9x60)	1:2:2	2000x1600x800
MF44006000V5I00	600	440	11 (2x30+9x60)	1:2:2	2x(2000x1000x800)
MF44006600XI500	660	440	12 (2x30+10x60)	1:2:2	2x(2000x1000x800)

* Other voltages and frequencies upon request