

ALDO CAPACITOR BANK



Features:

- Separate compartment for Components and Busbars.
- Switchboard enclosure is made of steel sheet protected by galvanic coating and/or powder coating for maximum durability.

Benefits:

- system easily allows the assembly to be configured to suit all technical conditions and plant operational procedures and to decrease operational expenses.

SYSTEM VOLTAGE	CAPACITOR BANK kVAr RATING											
	50kVAr	100kVAr	150kVAr	200kVAr	250kVAr	300kVAr	350kVAr	400kVAr	450kVAr	500kVAr	550kVAr	600kVAr
230Vac	2 STEPS	2 STEPS	3 STEPS	4 STEPS	5 STEPS	6 STEPS	7 STEPS	8 STEPS	9 STEPS	10 STEPS	11 STEPS	12 STEPS
	2x25kVAR	2x50kVAR	3x50kVAR	4x50kVAR	5x50kVAR	6x50kVAR	7x50kVAR	8x50kVAR	9x50kVAR	10x50kVAR	11x50kVAR	12x50kVAR
Height	2100	2100	2100	2400	2100	2100	2100	2100	2400	2400	2400	2400
Width	800	800	800	800	(500+800)	2x800	2x800	2x800	2x800	2x800	3x80	03x800
Depth	800	800	800	800	800	800	800	800	800	800	800	800

SYSTEM VOLTAGE	CAPACITOR BANK kVAr RATING												
	50kVAr	100kVAr	150kVAr	200kVAr	250kVAr	300kVAr	350kVAr	400kVAr	450kVAr	500kVAr	550kVAr	600kVAr	
400Vac 480Vac	2 STEPS			3 STEPS			4 STEPS			5 STEPS		6 STEPS	
	2x25kVAR	2x50kVAR	1x100kVAR +1x50kVAR	2x100kVAR	2x100kVAR +1x50kVAR	3x100kVAR	3x100kVAR +1x50kVAR	4x100kVAR	4x100kVAR +1x50kVAR	5x100kVAR	5x100kVAR +1x50kVAR	6x100kVAR	
Height	2100	2100	2100	2100	2100	2100	2400	2400	2100	2100	2100	2100	
Width	800	800	800	800	800	800	800	800	(500+800)	(500+800)	2x800	2x800	
Depth	800	800	800	800	800	800	800	800	800	800	800	800	

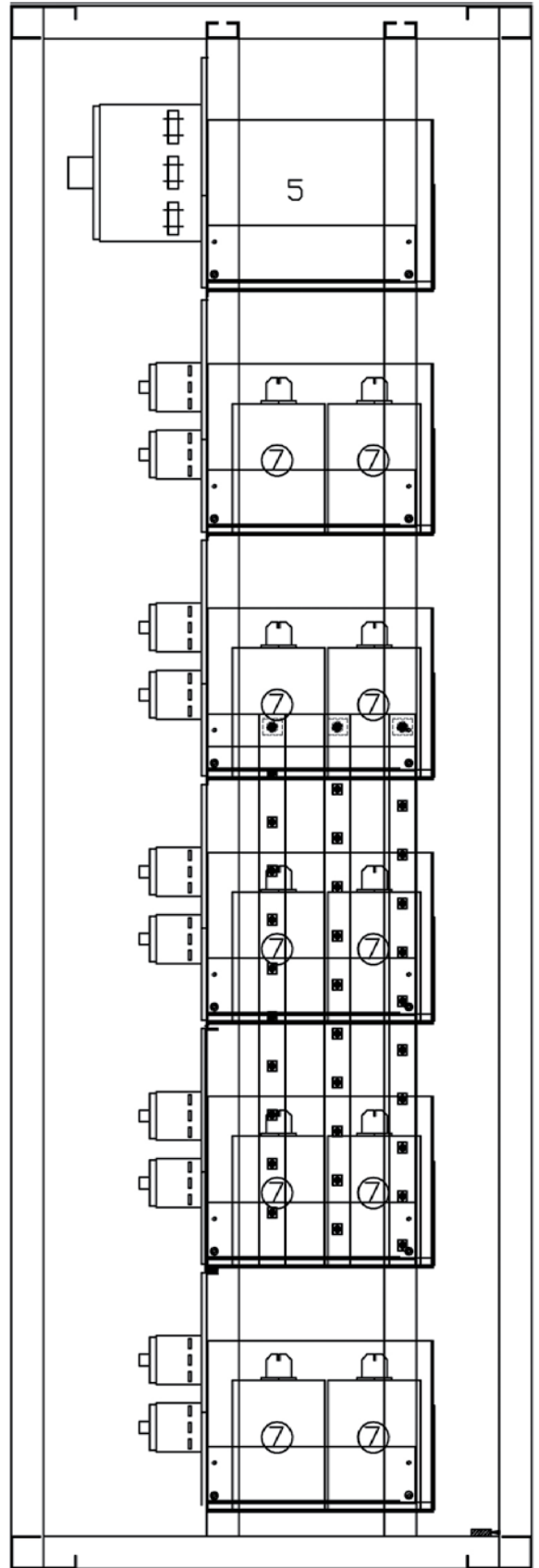
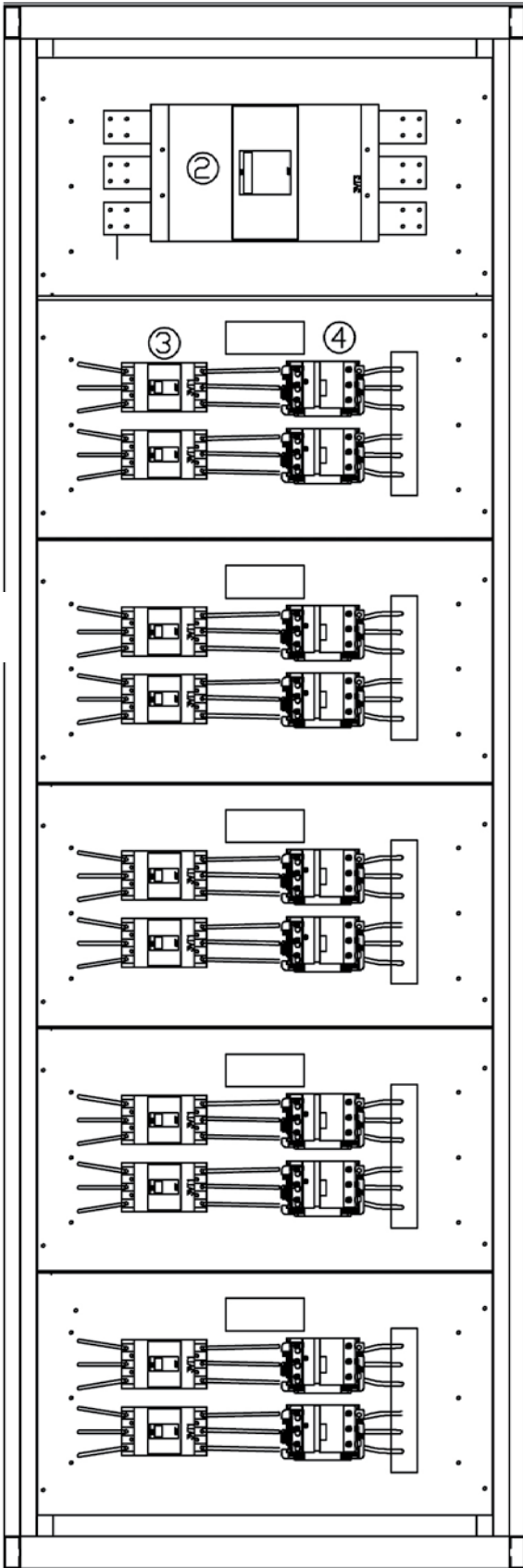
SYSTEM VOLTAGE	CAPACITOR BANK KVAR RATING											
	650kVAr	700kVAr	750kVAr	800kVAr	850kVAr	900kVAr	950kVAr	1000kVAr	1050kVAr	1100kVAr	1150kVAr	1200kVAr
400Vac 480Vac	7 STEPS		8 STEPS		9 STEPS		10 STEPS		11 STEPS		12 STEPS	
	6x100kVAR+ 1x50kVAR	7x100kVAR	7x100kVAR +1x50kVAR	8x100kVAR	8x100kVAR +1x50kVAR	9x100kVAR	9x100kVAR +1x50kVAR	10x100kVAR	10x100kVAR +1x50kVAR	11x100kVAR	11x100kVAR R+1x50kVAR	12x100kVAR
Height	2100	2100	2100	2100	2400	2400	2400	2400	2100	2100	2100	2100
Width	2x800	2x800	2x800	2x800	2x800	2x800	2x800	2x800	3x800	3x800	3x800	3x800
Depth	800	800	800	800	800	800	800	800	800	800	800	800

Note:

- * kVAr Rating per step may vary depending on customer requirement.
- * Can also be manufactured with detuned reactors.
- * For capacitors with detuned reactors, 525V capacitors will be used for 480V systems while 440V rated capacitors will be used for 400V system.

VARIABLE REACTIVE CAPACITORS

SYSTEM VOLTAGE	kVAr RATING	CATALOGUE NUMBER	Dimension		
			Height	Width	Depth
VRC , 240V	5	BV-24 / 05	413	280	103
	10	BV-24 / 10	413	280	103
	15	BV-24 / 15	413	280	103
	20	BV-24 / 20	413	280	103
	25	BV-24 / 25	413	310	113
	30	BV-24 / 30	413	310	113
	40	BV-24 / 40	413	310	113
	50	BV-24 / 50	413	310	212
VRC , 480V	10	BV-48 / 10	413	280	103
	15	BV-48 / 15	413	280	103
	20	BV-48 / 20	413	280	103
	25	BV-48 / 25	413	280	103
	30	BV-48 / 30	413	310	113
	40	BV-48 / 40	413	310	113
	50	BV-48 / 50	413	310	113
	60	BV-48 / 60	413	310	212
	75	BV-48 / 75	413	310	212
	100	BV-48 / 100	413	310	310



TECHNICAL INFORMATION:

- * MOLDED CASE CIRCUIT BREAKER IS USED AS PRIMARY PROTECTION
- * PROTECTION FOR BRANCHES CAN EITHER BE MCCB OR FUSE (100A and/or 250A).
- * CONTACTORS ARE USED FOR SWITCHING.
- * CAPACITOR CELLS USED ARE SIEMENS-EPCOS.
- * POWER FACTOR CONTROLLER IS SIEMENS-EPCOS BRAND
- * CAPACITOR BANK IS OF MODULAR TYPE. ONE MODULE CAN BE TRANSFERRED TO ANOTHER POSITION.
- * VARIABLE REACTIVE CAPACITORS (VRC) CAN ALSO BE USED IN PLACE OF THE CAPACITOR CELLS.
- * DETUNED REACTORS CAN BE PUT IN SERIES TO THE CAPACITOR UNIT IF THERE IS A PRESENCE OF HARMONIC/S.
- * CONTROL VOLTAGE CAN EITHER BE 110Vac, 220Vac, OR 480Vac.
- * DESIGN CAN BE VARIED BASED ON CUSTOMER REQUIREMENTS AND SPACE LIMITATIONS.

TYPES OF CAPACITOR BANK ASSEMBLY

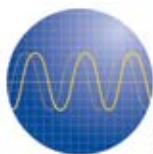
1 VRC Capbank

Automatic Capacitor Bank using VRC that ranges from 15kVAR to 1200kVAR, 230V or 480V

2 Aldo Capbank

Automatic Capacitor Bank using MKK /MKP Capacitor cells with a range from 50kVAR to 1200kVAR in a 230V, 400V or 480V system and MCCB/Fuse as protection.

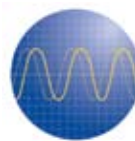
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