

Varset is a capacitor bank composed of Varplus<sup>2</sup> capacitors, specific contactors for capacitor switching and a Varlogic power factor controller. It is offered in two models, with or without incoming circuit breaker. It is presented in enclosures or cubicles with different height. It is available in Classic, Comfort and Harmony according to the level of harmonic pollution.



Enclosures C1 and C2 without incoming circuit breaker.



Cubicles without incoming circuit breaker.

#### Varset Classic "without incoming circuit breaker"

No polluted network (Gh/Sn ≤ 15 %)

Varset Classic "without incoming circuit breaker"							
400 V (kvar)	Step	Type	Ref.	400 V (kvar)	Step	Type	Ref.
7.5	3x2.5	Enclosure C1	52831	225	15x15	Cubicle A2	52909
10	4x2.5	Enclosure C1	52833	240	8x30	Cubicle A2	52911
12.5	5x2.5	Enclosure C1	52835		6x40	Cubicle A1	52913
15	3x5	Enclosure C1	52837	270	18x15	Cubicle A3	52915
17.5	7x2.5	Enclosure C1	52839		9x30	Cubicle A2	52917
20	4x5	Enclosure C1	52841	280	7x40	Cubicle A2	52919
22.5	3x7.5	Enclosure C1	52843	300	5x60	Cubicle A2	52921
25	5x5	Enclosure C1	52845		10x30	Cubicle A3	52923
27.5	2.5x11	Enclosure C2	52847	320	8x40	Cubicle A2	52925
30	3x10	Enclosure C1	52849	330	11x30	Cubicle A2	52927
	6x5	Enclosure C1	52851	360	12x30	Cubicle A3	52929
35	7x5	Enclosure C1	52853		9x40	Cubicle A2	52931
40	4x10	Enclosure C1	52855	390	13x30	Cubicle A3	52933
	8x5	Enclosure C2	52857	400	10x40	Cubicle A3	52935
45	3x15	Enclosure C1	52859	420	7x60	Cubicle A3	52937
	9x5	Enclosure C2	52861		14x30	Cubicle A3	52939
50	5x10	Enclosure C1	52863	450	15x30	Cubicle A3	52941
55	11x5	Enclosure C2	52865	480	8x60	Cubicle A3	52943
60	6x10	Enclosure C2	52867		12x40	Cubicle A3	52945
	12x5	Enclosure C2	52869	510	17x30	Cubicle A3	52947
65	13x5	Enclosure C2	52871	520	13x40	Cubicle A3	52949
70	7x10	Enclosure C2	52873	540	9x60	Cubicle A3	52951
75	5x15	Enclosure C2	52875	570	19x30	Cubicle A3	52953
80	4x20	Enclosure C2	52877	600	15x40	Cubicle A3	52955
90	6x15	Enclosure C2	52879		10x60	Cubicle A3	52957
	9x10	Enclosure C2	52881	660	11x60	Cubicle A4	52959
100	5x20	Enclosure C2	52883	720	12x60	Cubicle A4	52961
105	7x15	Enclosure C2	52885	780	13x60	Cubicle A4	52963
120	8x15	Cubicle A1	52887	840	14x60	Cubicle A4	52965
	6x20	Enclosure C2	52889	900	15x60	Cubicle A4	52967
135	9x15	Cubicle A1	52891	960	8x120	Cubicle A4	52969
140	7x20	Cubicle A1	52893		16x60	Cubicle A4	52971
150	10x15	Cubicle A1	52895	1020	17x60	Cubicle A4	52973
160	8x20	Cubicle A1	52897	1080	18x60	Cubicle A4	52975
165	11x15	Cubicle A1	52899		9x120	Cubicle A4	52977
180	9x20	Cubicle A1	52901	1140	19x60	Cubicle A4	52979
195	13x15	Cubicle A2	52903	1200	20x60	Cubicle A4	52981
200	5x40	Cubicle A1	52905		10x120	Cubicle A4	52983
210	14x15	Cubicle A2	52907				

#### Technical data

- capacitor rated voltage: 415 V, 3-phase 50 Hz
- capacitance value tolerance: -5, +10 %
- insulation level:
  - 0.69 kV
  - withstand 50 Hz 1 min: 2.5 kV
- maximum permissible current: 30 % max. (400 V)
- maximum permissible voltage (8 hours over 24 hours as in IEC 60831): 10 %
- ambient temperature around the equipment (electrical room):
  - maximum temperature: 40 °C
  - average temperature over 24 hrs: 35 °C
  - average annual temperature: 25 °C
  - minimum temperature: -5 °C
- degree of protection:
  - enclosure: IP31
  - cubicle: IP31 (except on outlet fan: IP21D)
- load shedding (main-standby)
- transformer 400/230 V integrated
- protection against direct contact (opened door)
- colour: RAL 9001
- standards: IEC 60439-1, EN 60439-1, IEC 61921.

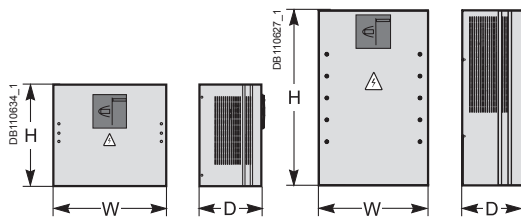
Accessory for Varset Classic "without incoming circuit breaker"	Ref.
Free-standing plinth for enclosures C1 and C2	65980

#### Installation

- fixing:
  - enclosure: wall mounting or by free standing plinth (accessory) with top connection of power cables
  - cubicle: free standing cubicle with bottom connection of power cables to the busbar pads
- the CT (5 VA sec. 5 A), not supplied, has to be placed upstream from the capacitor bank and loads
- it is not necessary to provide a 230 V/50 Hz power supply to supply the contactor coils.

#### Options

- fixed base compensation
- extension
- top connection
- please consult us for other options.



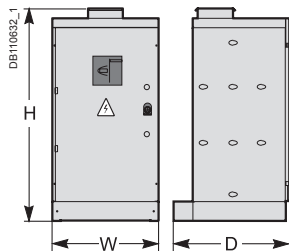
Enclosures C1 without incoming circuit breaker.

Enclosures C2 without incoming circuit breaker.

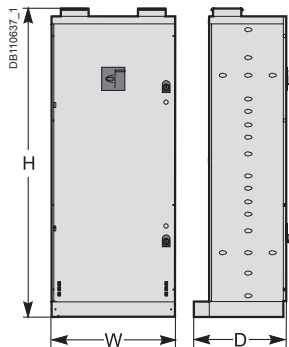
#### Dimensions

##### Varset Classic "without incoming circuit breaker"

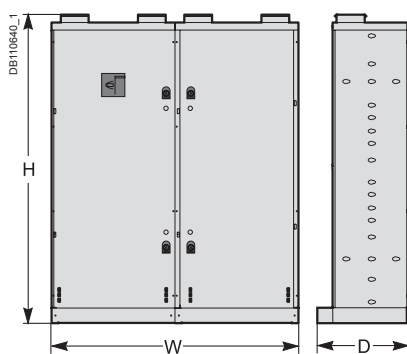
400 V (kvar)	Type	Dimensions (mm)			Weight (kg)
		H	W	D	
7.5 to 25, 30 and 35	Enclosure C1	450	500	275	20
27.5	Enclosure C2	800	500	275	25
40	4x10 Enclosure C1	450	500	275	20
	8x5 Enclosure C2	800	500	275	25
45	3x15 Enclosure C1	450	500	275	30
	9x5 Enclosure C2	800	500	275	30
50	Enclosure C1	450	500	275	25
55	Enclosure C2	800	500	275	25
60, 65 and 70	Enclosure C2	800	500	275	40
75 and 80	Enclosure C2	800	500	275	45
90, 100 and 105	Enclosure C2	800	500	275	50
120	8x15 Cubicle A1	1100	550	600	60
	6x20 Enclosure C2	800	500	275	50
135 to 160	Cubicle A1	1100	550	600	60
165 and 180	Cubicle A1	1100	550	600	65
195	Cubicle A2	1100	800	600	85
200	Cubicle A1	1100	550	600	65
210	Cubicle A2	1100	800	600	85
225	Cubicle A2	1100	800	600	85
240	8x30 Cubicle A2	1100	800	600	80
	6x40 Cubicle A1	1100	550	600	70
270	18x15 Cubicle A3	2000	800	600	150
	9x30 Cubicle A2	1100	800	600	95
280	Cubicle A2	1100	800	600	95
300	Cubicle A2	1100	800	600	95
	10x30 Cubicle A3	2000	800	600	155
320 and 330	Cubicle A2	1100	800	600	100
360	12x30 Cubicle A3	2000	800	600	165
	9x40 Cubicle A2	1100	800	600	105
390	Cubicle A3	2000	800	600	180
400	Cubicle A3	2000	800	600	155
420	7x60 Cubicle A3	2000	800	600	155
	14x30 Cubicle A3	2000	800	600	155
450	Cubicle A3	2000	800	600	165
480	8x60 Cubicle A3	2000	800	600	160
	12x40 Cubicle A3	2000	800	600	165
510	Cubicle A3	2000	800	600	180
520	Cubicle A3	2000	800	600	180
540	Cubicle A3	2000	800	600	180
570	Cubicle A3	2000	800	600	185
600	15x40 Cubicle A3	2000	800	600	190
	10x60 Cubicle A3	2000	800	600	195
660 and 720	Cubicle A4	2000	1600	600	340
780 and 840	Cubicle A4	2000	1600	600	360
900	Cubicle A4	2000	1600	600	370
960	8x120 Cubicle A4	2000	1600	600	370
	16x60 Cubicle A4	2000	1600	600	385
1020	Cubicle A4	2000	1600	600	385
1080	Cubicle A4	2000	1600	600	450
1140	Cubicle A4	2000	1600	600	450
1200	Cubicle A4	2000	1600	600	450



Cubicles A1 and A2 without incoming circuit breaker.



Cubicle A3 without incoming circuit breaker.



Cubicle A4 without incoming circuit breaker.

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Enclosures C1 and C2 with incoming circuit breaker.



Cubicle A2 with incoming circuit breaker.



Cubicles A3 and A4 with incoming circuit breaker.

### Varset Classic "with incoming circuit breaker"

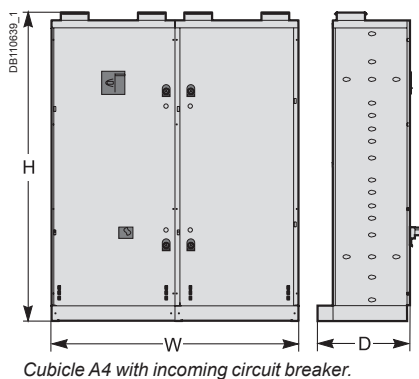
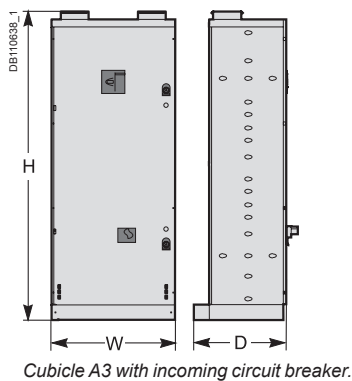
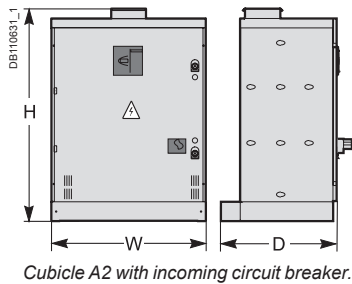
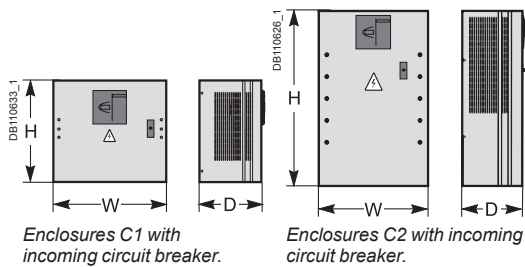
No polluted network (Gh/Sn ≤ 15 %)

Varset Classic "with incoming circuit breaker"							
400 V (kvar)	Step	Type	Ref.	400 V (kvar)	Step	Type	Ref.
7.5	3x2.5	Enclosure C1	<b>52832</b>	225	15x15	Cubicle A3	<b>52910</b>
10	4x2.5	Enclosure C1	<b>52834</b>	240	8x30	Cubicle A3	<b>52912</b>
12.5	5x2.5	Enclosure C1	<b>52836</b>	270	6x40	Cubicle A2	<b>52914</b>
15	3x5	Enclosure C1	<b>52838</b>	270	18x15	Cubicle A3	<b>52916</b>
17.5	7x2.5	Enclosure C1	<b>52840</b>	270	9x30	Cubicle A3	<b>52918</b>
20	4x5	Enclosure C1	<b>52842</b>	280	7x40	Cubicle A3	<b>52920</b>
22.5	3x7.5	Enclosure C1	<b>52844</b>	300	5x60	Cubicle A3	<b>52922</b>
25	5x5	Enclosure C1	<b>52846</b>	300	10x30	Cubicle A3	<b>52924</b>
27.5	2.5x11	Enclosure C2	<b>52848</b>	320	8x40	Cubicle A3	<b>52926</b>
30	3x10	Enclosure C1	<b>52850</b>	330	11x30	Cubicle A3	<b>52928</b>
	6x5	Enclosure C1	<b>52852</b>	360	12x30	Cubicle A3	<b>52930</b>
35	7x5	Enclosure C1	<b>52854</b>		9x40	Cubicle A3	<b>52932</b>
40	4x10	Enclosure C1	<b>52856</b>	390	13x30	Cubicle A3	<b>52934</b>
	8x5	Enclosure C2	<b>52858</b>	400	10x40	Cubicle A3	<b>52936</b>
45	3x15	Enclosure C1	<b>52860</b>	420	7x60	Cubicle A3	<b>52938</b>
	9x5	Enclosure C2	<b>52862</b>		14x30	Cubicle A3	<b>52940</b>
50	5x10	Enclosure C1	<b>52864</b>	450	15x30	Cubicle A3	<b>52942</b>
55	11x5	Enclosure C2	<b>52866</b>	480	8x60	Cubicle A3	<b>52944</b>
60	6x10	Enclosure C2	<b>52868</b>		12x40	Cubicle A3	<b>52946</b>
	12x5	Enclosure C2	<b>52870</b>	510	17x30	Cubicle A3	<b>52948</b>
65	13x5	Enclosure C2	<b>52872</b>	520	13x40	Cubicle A3	<b>52950</b>
70	7x10	Enclosure C2	<b>52874</b>	540	9x60	Cubicle A3	<b>52952</b>
75	5x15	Enclosure C2	<b>52876</b>	570	19x30	Cubicle A3	<b>52954</b>
80	4x20	Enclosure C2	<b>52878</b>	600	15x40	Cubicle A3	<b>52956</b>
90	6x15	Enclosure C2	<b>52880</b>		10x60	Cubicle A3	<b>52958</b>
	9x10	Enclosure C2	<b>52882</b>	660	11x60	Cubicle A4	<b>52960</b>
100	5x20	Enclosure C2	<b>52884</b>	720	12x60	Cubicle A4	<b>52962</b>
105	7x15	Enclosure C2	<b>52886</b>	780	13x60	Cubicle A4	<b>52964</b>
120	8x15	Cubicle A2	<b>52888</b>	840	14x60	Cubicle A4	<b>52966</b>
	6x20	Enclosure C2	<b>52890</b>	900	15x60	Cubicle A4	<b>52968</b>
135	9x15	Cubicle A2	<b>52892</b>	960	8x120	Cubicle A4	<b>52970</b>
140	7x20	Cubicle A2	<b>52894</b>		16x60	Cubicle A4	<b>52972</b>
150	10x15	Cubicle A2	<b>52896</b>	1020	17x60	Cubicle A4	<b>52974</b>
160	8x20	Cubicle A2	<b>52898</b>	1080	18x60	Cubicle A4	<b>52976</b>
165	11x15	Cubicle A2	<b>52900</b>		9x120	Cubicle A4	<b>52978</b>
180	9x20	Cubicle A2	<b>52902</b>	1140	19x60	Cubicle A4	<b>52980</b>
195	13x15	Cubicle A3	<b>52904</b>	1200	20x60	Cubicle A4	<b>52982</b>
200	5x40	Cubicle A2	<b>52906</b>		10x120	Cubicle A4	<b>52984</b>
210	14x15	Cubicle A3	<b>52908</b>				

### Technical data

- capacitor rated voltage: 415 V, 3-phase 50 Hz
- capacitance value tolerance: -5, +10 %
- insulation level:
  - 0.69 kV
  - withstand 50 Hz 1 min: 2.5 kV
- maximum permissible current: 30 % max. (400 V)
- maximum permissible voltage (8 hours over 24 hours as in IEC 60831): 10 %
- ambient temperature around the equipment (electrical room):
  - maximum temperature: 40 °C
  - average temperature over 24 hrs: 35 °C
  - average annual temperature: 25 °C
  - minimum temperature: -5 °C
- degree of protection:
  - enclosure: IP31
  - cubicle: IP31 (except on outlet fan: IP21D)
- load shedding (main-standby)
- transformer 400/230 V integrated
- protection against direct contact (opened door)
- colour: RAL 9001
- standards: IEC 60439-1, EN 60439-1, IEC 61921.

Accessory for Varset Classic "with incoming circuit breaker"	Ref.
Free-standing plinth for enclosures C1 and C2	<b>65980</b>



### Installation

- fixing:
  - enclosure: wall mounting or by free standing plinth (accessory) with top connection of power cables
  - cubicle: free standing cubicle with bottom connection of power cables to the busbar pads
- the CT (5 VA sec. 5 A), not supplied, has to be placed upstream from the capacitor bank and loads
- it is not necessary to provide a 230 V/50 Hz power supply to supply the contactor coils.

### Options

- fixed base compensation
- extension
- top connection
- please consult us for other options.

### Dimensions

Varset Classic "with incoming circuit breaker"						
400 V (kvar)	Type	Dimensions (mm)			Weight (kg)	
		H	W	D		
7.5 to 25	Enclosure C1	450	500	275	22	
27.5	Enclosure C2	800	500	275	27	
30 and 35	Enclosure C1	450	500	275	22	
40	4x10	450	500	275	22	
	8x5	Enclosure C2	800	500	275	27
45	3x15	Enclosure C1	450	500	275	32
	9x5	Enclosure C2	800	500	275	32
50	Enclosure C1	450	500	275	27	
55	Enclosure C2	800	500	275	27	
60, 65 and 70	Enclosure C2	800	500	275	42	
75 and 80	Enclosure C2	800	500	275	47	
90, 100 and 105	Enclosure C2	800	500	275	52	
120	8x15	Cubicle A2	1100	800	600	62
	6x20	Enclosure C2	800	500	275	52
135 to 160	Cubicle A2	1100	800	600	62	
165 and 180	Cubicle A2	1100	800	600	67	
195	Cubicle A3	2000	800	600	150	
200	Cubicle A2	1100	800	600	70	
210	Cubicle A3	2000	800	600	150	
225	Cubicle A3	2000	800	600	150	
240	8x30	Cubicle A3	2000	800	600	150
	6x40	Cubicle A2	1100	800	600	70
270, 280	Cubicle A3	2000	800	600	155	
300	5x60	Cubicle A3	2000	800	600	160
	10x30	Cubicle A3	2000	800	600	165
320, 330	Cubicle A3	2000	800	600	165	
330, 360	Cubicle A3	2000	800	600	165	
390	Cubicle A3	2000	800	600	210	
400	Cubicle A3	2000	800	600	185	
420	7x60	Cubicle A3	2000	800	600	185
	14x30	Cubicle A3	2000	800	600	185
450	Cubicle A3	2000	800	600	195	
480	8x60	Cubicle A3	2000	800	600	190
	12x40	Cubicle A3	2000	800	600	195
510	Cubicle A3	2000	800	600	210	
520	Cubicle A3	2000	800	600	210	
540	Cubicle A3	2000	800	600	210	
570	Cubicle A3	2000	800	600	215	
600	15x40	Cubicle A3	2000	800	600	220
	10x60	Cubicle A3	2000	800	600	225
660, 720	Cubicle A4	2000	1600	600	370	
780, 840	Cubicle A4	2000	1600	600	390	
900	Cubicle A4	2000	1600	600	400	
960	8x120	Cubicle A4	2000	1600	600	400
	16x60	Cubicle A4	2000	1600	600	415
1020	Cubicle A4	2000	1600	600	415	
1080, 1140 and 1200	Cubicle A4	2000	1600	600	430	

Varset is a capacitor bank composed of Varplus<sup>2</sup> capacitors, specific contactors for capacitor switching and a Varlogic power factor controller. It is offered in two models, with or without incoming circuit breaker. It is presented in enclosures or cubicles with different height. It is available in Classic, Comfort and Harmony according to the level of harmonic pollution.



Enclosures C1 and C2 without incoming circuit breaker.



Cubicles A1 and A2 without incoming circuit breaker.



Cubicles A3 and A4 without incoming circuit breaker.

### Varset Comfort "without incoming circuit breaker"

Polluted network (15 % < Gh/Sn ≤ 25 %)

Varset Comfort "without incoming circuit breaker"			
400 V (kvar)	Step	Type	Ref.
30	4x7.5	Enclosure C1	65501
45	6x7.5	Enclosure C2	65503
60	8x7.5	Enclosure C2	65505
75	5x15	Enclosure C2	65507
90	6x15	Enclosure C2	65509
105	7x15	Cubicle A1	65511
120	8x15	Cubicle A1	65513
150	5x30	Cubicle A1	65515
180	6x30	Cubicle A1	65517
210	7x30	Cubicle A2	65519
240	8x30	Cubicle A2	65521
270	9x30	Cubicle A2	65523
315	7x45	Cubicle A3	65525
360	8x45	Cubicle A3	65527
405	9x45	Cubicle A3	65529
450	5x90	Cubicle A3	65531
495	11x45	Cubicle A4	65533
540	6x90	Cubicle A4	65535
585	13x45	Cubicle A4	65537
630	7x90	Cubicle A4	65539
675	15x45	Cubicle A4	65541
720	8x90	Cubicle A4	65543
765	17x45	Cubicle A4	65545
810	9x90	Cubicle A4	65547
855	19x45	Cubicle A4	65549
900	10x90	Cubicle A4	65551

### Technical data

- capacitor rated voltage: 480 V, 3-phase 50 Hz
- capacitance value tolerance: -5, +10 %
- insulation level:
  - 0.69 kV
  - withstand 50 Hz 1 min: 2.5 kV
- maximum permissible current: 30 % max. (400 V)
- maximum permissible voltage (8 hours over 24 hours as in IEC 60831): 10 %
- ambient temperature around the equipment (electrical room):
  - maximum temperature: 40 °C
  - average temperature over 24 hrs: 35 °C
  - average annual temperature: 25 °C
  - minimum temperature: -5 °C
- degree of protection:
  - enclosure: IP31
  - cubicle: IP31 (except on outlet fan: IP21D)
- load shedding (main-standby)
- transformer 400/230 V integrated
- protection against direct contact (opened door)
- colour: RAL 9001
- standards: IEC 60439-1, EN 60439-1, IEC 61921.

Accessory for Varset Comfort "without incoming circuit breaker"	Ref.
Free-standing plinth for enclosures C1 and C2	65980

#### Installation

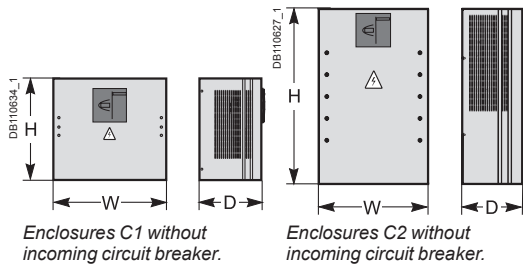
- fixing:
  - enclosure: wall mounting or by free standing plinth (accessory) with top connection of power cables
  - cubicle: free standing cubicle with bottom connection of power cables to the busbar pads
- the CT (5 VA sec. 5 A), not supplied, has to be placed upstream from the capacitor bank and loads
- it is not necessary to provide a 230 V/50 Hz power supply to supply the contactor coils.

#### Options

- fixed base compensation
- extension
- top connection
- please consult us for other options.

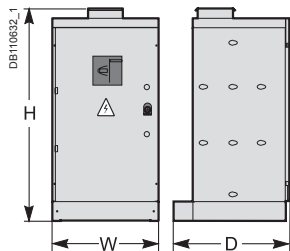
#### Dimensions

Varset Comfort "without incoming circuit breaker"					
400 V (kvar)	Type	Dimensions (mm)			Weight (kg)
		H	W	D	
30	Enclosure C1	450	500	275	20
45	Enclosure C2	800	500	275	40
60	Enclosure C2	800	500	275	45
75	Enclosure C2	800	500	275	45
90	Enclosure C2	800	500	275	50
105	Cubicle A1	1100	550	600	60
120	Cubicle A1	1100	550	600	70
150	Cubicle A1	1100	550	600	75
180	Cubicle A1	1100	550	600	75
210	Cubicle A2	1100	800	600	85
240	Cubicle A2	1100	800	600	85
270	Cubicle A2	1100	800	600	100
315	Cubicle A3	2000	800	600	160
360	Cubicle A3	2000	800	600	170
405	Cubicle A3	2000	800	600	180
450	Cubicle A3	2000	800	600	190
495	Cubicle A4	2000	1600	600	325
540	Cubicle A4	2000	1600	600	330
585	Cubicle A4	2000	1600	600	345
630	Cubicle A4	2000	1600	600	350
675	Cubicle A4	2000	1600	600	355
720	Cubicle A4	2000	1600	600	360
765	Cubicle A4	2000	1600	600	375
810	Cubicle A4	2000	1600	600	380
855	Cubicle A4	2000	1600	600	395
900	Cubicle A4	2000	1600	600	400

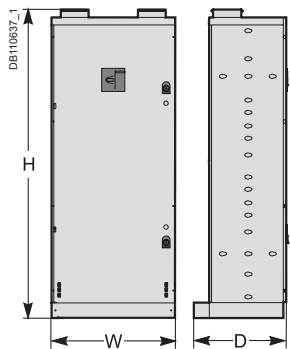


Enclosures C1 without incoming circuit breaker.

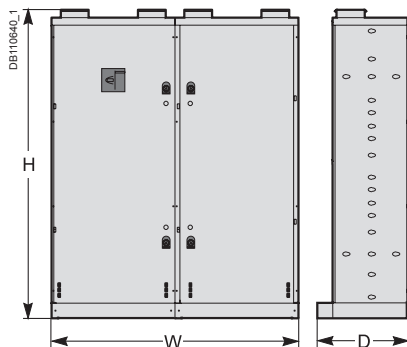
Enclosures C2 without incoming circuit breaker.



Cubicles A1 and A2 without incoming circuit breaker.



Cubicle A3 without incoming circuit breaker.



Cubicle A4 without incoming circuit breaker.

Varset is a capacitor bank composed of Varplus<sup>2</sup> capacitors, specific contactors for capacitor switching and a Varlogic power factor controller. It is offered in two models, with or without incoming circuit breaker. It is presented in enclosures or cubicles with different height. It is available in Classic, Comfort and Harmony according to the level of harmonic pollution.



Enclosures C1 and C2 with incoming circuit breaker.



Cubicle A2 with incoming circuit breaker.



Cubicles A3 and A4 with incoming circuit breaker.

### Varset Comfort "with incoming circuit breaker"

Polluted network (15 % < Gh/Sn ≤ 25 %)

Varset Comfort "with incoming circuit breaker"			
400 V (kvar)	Step	Type	Ref.
30	4x7.5	Enclosure C1	65500
45	6x7.5	Enclosure C2	65502
60	8x7.5	Enclosure C2	65504
75	5x15	Enclosure C2	65506
90	6x15	Enclosure C2	65508
105	7x15	Cubicle A2	65510
120	8x15	Cubicle A2	65512
150	10x15	Cubicle A2	65514
180	6x30	Cubicle A2	65516
210	7x30	Cubicle A3	65518
240	8x30	Cubicle A3	65520
270	9x30	Cubicle A3	65522
315	7x45	Cubicle A3	65524
360	8x45	Cubicle A3	65526
405	9x45	Cubicle A3	65528
450	5x90	Cubicle A3	65530
495	11x45	Cubicle A4	65532
540	6x90	Cubicle A4	65534
585	13x45	Cubicle A4	65536
630	7x90	Cubicle A4	65538
675	15x45	Cubicle A4	65540
720	8x90	Cubicle A4	65542
765	17x45	Cubicle A4	65544
810	9x90	Cubicle A4	65546
855	19x45	Cubicle A4	65548
900	10x90	Cubicle A4	65550

### Technical data

- capacitor rated voltage: 480 V, 3-phase 50 Hz
- capacitance value tolerance: -5, +10 %
- insulation level:
  - 0.69 kV
  - withstand 50 Hz 1 min: 2.5 kV
- maximum permissible current: 30 % max. (400 V)
- maximum permissible voltage (8 hours over 24 hours as in IEC 60831): 10 %
- ambient temperature around the equipment (electrical room):
  - maximum temperature: 40 °C
  - average temperature over 24 hrs: 35 °C
  - average annual temperature: 25 °C
  - minimum temperature: -5 °C
- degree of protection:
  - enclosure: IP31
  - cubicle: IP31 (except on outlet fan: IP21D)
- load shedding (main-standby)
- transformer 400/230 V integrated
- protection against direct contact (opened door)
- colour: RAL 9001
- standards: IEC 60439-1, EN 60439-1, IEC 61921.

Accessory for Varset comfort "with incoming circuit breaker"	Ref.
Free-standing plinth for enclosures C1 and C2	65980

#### Installation

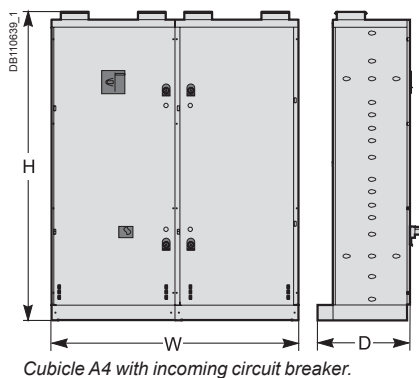
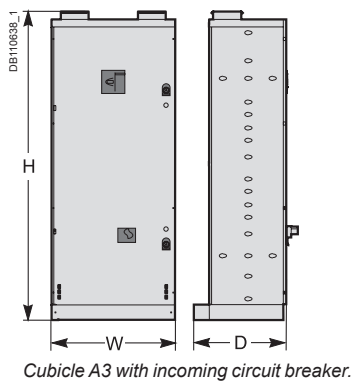
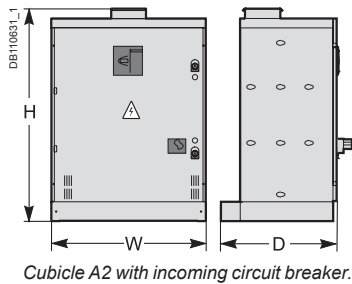
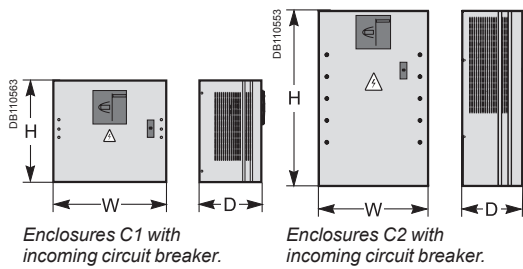
- fixing:
  - enclosure: wall mounting or by free standing plinth (accessory) with top connection of power cables
  - cubicle: free standing cubicle with bottom connection of power cables to the busbar pads
- the CT (5 VA sec. 5 A), not supplied, has to be placed upstream from the capacitor bank and loads
- it is not necessary to provide a 230 V/50 Hz power supply to supply the contactor coils.

#### Options

- fixed base compensation
- extension
- top connection
- please consult us for other options.

#### Dimensions

Varset Comfort "with incoming circuit breaker"					
400 V (kvar)	Type	Dimensions (mm)			Weight (kg)
		H	W	D	
30	Enclosure C1	450	500	275	23
45	Enclosure C2	800	500	275	43
60	Enclosure C2	800	500	275	48
75	Enclosure C2	800	500	275	48
90	Enclosure C2	800	500	275	53
105	Cubicle A2	1100	800	600	85
120	Cubicle A2	1100	800	600	85
150	Cubicle A2	1100	800	600	85
180	Cubicle A2	1100	800	600	85
210	Cubicle A3	2000	800	600	190
240	Cubicle A3	2000	800	600	200
270	Cubicle A3	2000	800	600	210
315	Cubicle A3	2000	800	600	220
360	Cubicle A3	2000	800	600	355
405	Cubicle A3	2000	800	600	360
450	Cubicle A3	2000	800	600	375
495	Cubicle A4	2000	1600	600	355
540	Cubicle A4	2000	1600	600	360
585	Cubicle A4	2000	1600	600	375
630	Cubicle A4	2000	1600	600	380
675	Cubicle A4	2000	1600	600	385
720	Cubicle A4	2000	1600	600	390
765	Cubicle A4	2000	1600	600	405
810	Cubicle A4	2000	1600	600	410
855	Cubicle A4	2000	1600	600	425
900	Cubicle A4	2000	1600	600	430





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Cubicle A2 without incoming circuit breaker.



Cubicles A3 and A4 without incoming circuit breaker.

### Varset Harmony "without incoming circuit breaker"

Highly polluted network (25 % < Gh/Sn ≤ 50 %)

Varset Harmony "without incoming circuit breaker"								
Tuning order	400 V Step (kvar)	Type	Ref.	400 V Step (kvar)	Type	Ref.		
2.7 (135 Hz)	12	2x6.25	Cubicle A2	<b>65601</b>	275	11x25	Cubicle A3	<b>65635</b>
	25	2x12.5	Cubicle A2	<b>65603</b>	300	6x50	Cubicle A3	<b>65637</b>
	37	3x12.5	Cubicle A2	<b>65605</b>	350	7x50	Cubicle A4	<b>65639</b>
	50	4x12.5	Cubicle A2	<b>65607</b>	375	15x25	Cubicle A4	<b>65641</b>
	62	5x12.5	Cubicle A2	<b>65609</b>	400	8x50	Cubicle A4	<b>65643</b>
	75	3x25	Cubicle A2	<b>65611</b>	450	9x50	Cubicle A4	<b>65645</b>
		6x12.5	Cubicle A3	<b>65613</b>	500	10x50	Cubicle A4	<b>65647</b>
	100	4x25	Cubicle A2	<b>65615</b>	550	11x50	Cubicle A4	<b>65649</b>
		8x12.5	Cubicle A3	<b>65617</b>	600	12x50	Cubicle A4	<b>65651</b>
	125	5x25	Cubicle A2	<b>65619</b>		6x100	Cubicle A4	<b>65653</b>
	137	11x12.5	Cubicle A3	<b>65621</b>	700	7x100	Cubicles A4+A3	<b>65655</b>
	150	6x25	Cubicle A3	<b>65623</b>	800	8x100	Cubicles A4+A3	<b>65657</b>
		3x50	Cubicle A2	<b>65625</b>	900	9x100	Cubicles A4+A3	<b>65659</b>
	175	7x25	Cubicle A3	<b>65627</b>	1000	10x100	Cubicles A4+A4	<b>65661</b>
200	4x50	Cubicle A3	<b>65629</b>	1050	11x100	Cubicles A4+A4	<b>65663</b>	
225	9x25	Cubicle A3	<b>65631</b>	1200	12x100	Cubicles A4+A4	<b>65665</b>	
250	5x50	Cubicle A3	<b>65633</b>					
3.8 (190 Hz)	12	2x6.5	Cubicle A2	<b>65701</b>	275	11x25	Cubicle A3	<b>65735</b>
	25	2x12.5	Cubicle A2	<b>65703</b>	300	6x50	Cubicle A3	<b>65737</b>
	37	3x12.5	Cubicle A2	<b>65705</b>	350	7x50	Cubicle A4	<b>65739</b>
	50	4x12.5	Cubicle A2	<b>65707</b>	375	15x25	Cubicle A4	<b>65741</b>
	62	5x12.5	Cubicle A2	<b>65709</b>	400	8x50	Cubicle A4	<b>65743</b>
	75	3x25	Cubicle A2	<b>65711</b>	450	9x50	Cubicle A4	<b>65745</b>
		6x12.5	Cubicle A3	<b>65713</b>	500	10x50	Cubicle A4	<b>65747</b>
	100	4x25	Cubicle A2	<b>65715</b>	550	11x50	Cubicle A4	<b>65749</b>
		8x12.5	Cubicle A3	<b>65717</b>	600	12x50	Cubicle A4	<b>65751</b>
	125	5x25	Cubicle A2	<b>65719</b>		6x100	Cubicle A4	<b>65753</b>
	137	11x12.5	Cubicle A3	<b>65721</b>	700	7x100	Cubicles A4+A3	<b>65755</b>
	150	6x25	Cubicle A3	<b>65723</b>	800	8x100	Cubicles A4+A3	<b>65757</b>
		3x50	Cubicle A2	<b>65725</b>	900	9x100	Cubicles A4+A3	<b>65759</b>
	175	7x25	Cubicle A3	<b>65727</b>	1000	10x100	Cubicles A4+A4	<b>65761</b>
200	4x50	Cubicle A3	<b>65729</b>	1050	11x100	Cubicles A4+A4	<b>65763</b>	
225	9x25	Cubicle A3	<b>65731</b>	1200	12x100	Cubicles A4+A4	<b>65765</b>	
250	5x50	Cubicle A3	<b>65733</b>					
4.3 (215 Hz)	12.5	2x6.25	Cubicle A2	<b>65801</b>	275	11x25	Cubicle A3	<b>65835</b>
	25	2x12.5	Cubicle A2	<b>65803</b>	300	6x50	Cubicle A3	<b>65837</b>
	37.5	3x12.5	Cubicle A2	<b>65805</b>	350	7x50	Cubicle A4	<b>65839</b>
	50	4x12.5	Cubicle A2	<b>65807</b>	375	15x25	Cubicle A4	<b>65841</b>
	62.5	5x12.5	Cubicle A2	<b>65809</b>	400	8x50	Cubicle A4	<b>65843</b>
	75	3x25	Cubicle A2	<b>65811</b>	450	9x50	Cubicle A4	<b>65845</b>
		6x12.5	Cubicle A3	<b>65813</b>	500	10x50	Cubicle A4	<b>65847</b>
	100	4x25	Cubicle A2	<b>65815</b>	550	11x50	Cubicle A4	<b>65849</b>
		8x12.5	Cubicle A3	<b>65817</b>	600	12x50	Cubicle A4	<b>65851</b>
	125	5x25	Cubicle A2	<b>65819</b>		6x100	Cubicle A4	<b>65853</b>
	137	11x12.5	Cubicle A3	<b>65821</b>	700	7x100	Cubicles A4+A3	<b>65855</b>
	150	6x25	Cubicle A3	<b>65823</b>	800	8x100	Cubicles A4+A3	<b>65857</b>
		3x50	Cubicle A2	<b>65825</b>	900	9x100	Cubicles A4+A3	<b>65859</b>
	175	7x25	Cubicle A3	<b>65827</b>	1000	10x100	Cubicles A4+A4	<b>65861</b>
200	4x50	Cubicle A3	<b>65829</b>	1050	11x100	Cubicles A4+A4	<b>65863</b>	
225	9x25	Cubicle A3	<b>65831</b>	1200	12x100	Cubicles A4+A4	<b>65865</b>	
250	5x50	Cubicle A3	<b>65833</b>					

### Technical data

- capacitor rated voltage: 480 V, 3-phase 50 Hz
- tuning order: 2.7 (135 Hz) - 3.8 (190 Hz) - 4.3 (215 Hz)
- capacitance value tolerance: -5, +10 %
- insulation level:
  - 0.69 kV
  - withstand 50 Hz, 1 min: 2.5 kV
- maximum permissible overloads:

Tuning order	2.7 (135 Hz)	3.8 (190 Hz)	4.3 (215 Hz)
Overcurrent (max)	12 % under 400 V	19 % under 400 V	30 % under 400 V
Overvoltage	10 %	10 %	10 %

- ambient temperature around the capacitor bank (electrical room):
  - maximum temperature: 40 °C
  - average temperature over 24 hours: 35 °C
  - average annual temperature: 25 °C
  - minimum temperature: -5 °C
- degree of protection:
  - cubicle: IP31 (except on outlet fan: IP21D)
- load shedding (main-standby)
- transformer 400/230 V integrated
- protection against direct contact (opened door)
- colour: RAL 9001
- standards: IEC 60439-1, EN 60439-1, IEC 61921.

#### Installation

- cubicle: free standing cubicle with bottom connection of power cables to the busbar pads
- the CT (5 VA sec. 5 A), not supplied, has to be placed upstream from the capacitor bank and loads
- it is not necessary to provide a 230 V/50 Hz power supply to supply the contactor coils.

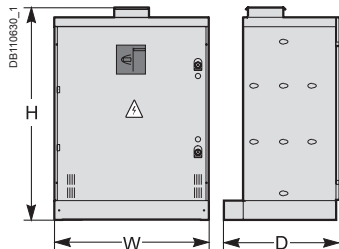
#### Options

- fixed base compensation
- extension
- top connection
- please consult us for other options.

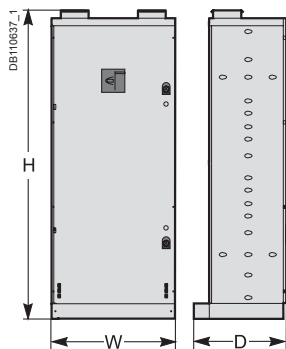
#### Dimensions

##### Varset Harmony "without incoming circuit breaker"

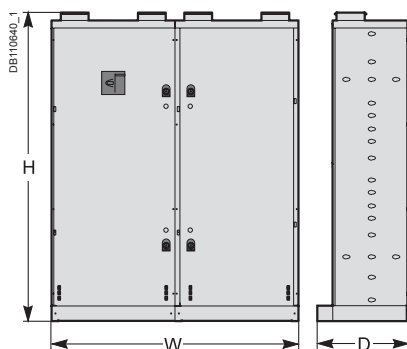
Tuning order	400 V (kvar)	Type	Dimensions (mm)			Weight (kg)
			H	W	D	
2.7 (135 Hz)	12	Cubicle A2	1100	800	600	105
	25	Cubicle A2	1100	800	600	115
	37	Cubicle A2	1100	800	600	125
	50	Cubicle A2	1100	800	600	135
	62	Cubicle A2	1100	800	600	145
	75	3x25 Cubicle A2	1100	800	600	155
		6x12.5 Cubicle A3	2000	800	600	200
	100	4x25 Cubicle A2	1100	800	600	175
		8x12.5 Cubicle A3	2000	800	600	220
	125	Cubicle A2	1100	800	600	195
	137	Cubicle A3	2000	800	600	250
	150	6x25 Cubicle A3	2000	800	600	300
		3x50 Cubicle A2	1100	800	600	195
	175	Cubicle A3	2000	800	600	330
	200	Cubicle A3	2000	800	600	360
	225	Cubicle A3	2000	800	600	380
	250	Cubicle A3	2000	800	600	400
	275	Cubicle A3	2000	800	600	420
	300	Cubicle A3	2000	800	600	440
	350	Cubicle A4	2000	1600	600	520
	375	Cubicle A4	2000	1600	600	540
	400	Cubicle A4	2000	1600	600	560
	450	Cubicle A4	2000	1600	600	600
	500	Cubicle A4	2000	1600	600	640
	550	Cubicle A4	2000	1600	600	680
	600	12x50 Cubicle A4	2000	1600	600	720
		6x100 Cubicle A4	2000	1600	600	720
	700	Cubicles A4+A3	2000	2400	600	1000
	800	Cubicles A4+A3	2000	2400	600	1080
	900	Cubicles A4+A3	2000	2400	600	1180
	1000	Cubicles A4+A3	2000	2400	600	1280
	1050	Cubicles A4+A3	2000	2400	600	1360
	1200	Cubicles A4+A3	2000	2400	600	1440



Cubicle A2 without incoming circuit breaker.



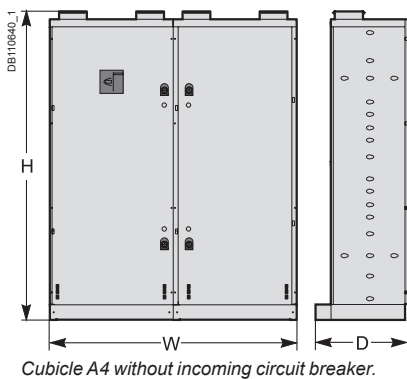
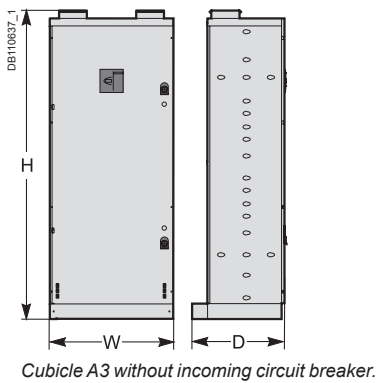
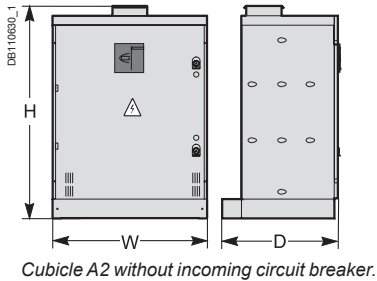
Cubicle A3 without incoming circuit breaker.



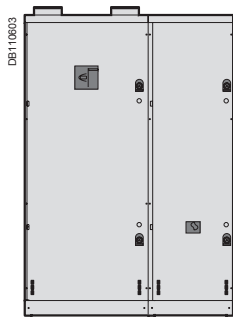
Cubicle A4 without incoming circuit breaker.

#### Dimensions (cont.)

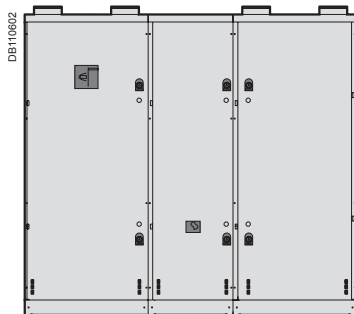
Varset Harmony "without incoming circuit breaker"							
Tuning order	400 V (kvar)	Type	Dimensions (mm)			Weight (kg)	
			H	W	D		
3.8 (190 Hz)	12	Cubicle A2	1100	800	600	105	
	25	Cubicle A2	1100	800	600	115	
	37	Cubicle A2	1100	800	600	125	
	50	Cubicle A2	1100	800	600	135	
	62	Cubicle A2	1100	800	600	145	
	75	3x25	Cubicle A2	1100	800	600	155
		6x12.5	Cubicle A3	2000	800	600	200
	100	4x25	Cubicle A2	1100	800	600	175
		8x12.5	Cubicle A3	2000	800	600	220
	125	Cubicle A2	1100	800	600	195	
	137	Cubicle A3	2000	800	600	250	
	150	6x25	Cubicle A3	2000	800	600	300
		3x50	Cubicle A2	1100	800	600	195
	175	Cubicle A3	2000	800	600	330	
	200	Cubicle A3	2000	800	600	360	
	225	Cubicle A3	2000	800	600	380	
	250	Cubicle A3	2000	800	600	400	
	275	Cubicle A3	2000	800	600	420	
	300	Cubicle A3	2000	800	600	440	
	350	Cubicle A4	2000	1600	600	520	
375	Cubicle A4	2000	1600	600	540		
400	Cubicle A4	2000	1600	600	560		
450	Cubicle A4	2000	1600	600	600		
500	Cubicle A4	2000	1600	600	640		
550	Cubicle A4	2000	1600	600	680		
600	Cubicle A4	2000	1600	600	720		
700	Cubicles A4+A3	2000	2400	600	1000		
800	Cubicles A4+A3	2000	2400	600	1080		
900	Cubicles A4+A3	2000	2400	600	1180		
1000	Cubicles A4+A4	2000	3200	600	1280		
1050	Cubicles A4+A4	2000	3200	600	1360		
1200	Cubicles A4+A4	2000	3200	600	1440		
4.3 (215Hz)	12.5	Cubicle A2	1100	800	600	105	
	25	Cubicle A2	1100	800	600	115	
	37.5	Cubicle A2	1100	800	600	125	
	50	Cubicle A2	1100	800	600	135	
	62.5	Cubicle A2	1100	800	600	145	
	75	3x25	Cubicle A2	1100	800	600	155
		6x12.5	Cubicle A3	2000	800	600	200
	100	4x25	Cubicle A2	1100	800	600	175
		8x12.5	Cubicle A3	2000	800	600	220
	125	Cubicle A2	1100	800	600	195	
	137	Cubicle A3	2000	800	600	250	
	150	6x25	Cubicle A3	2000	800	600	300
		3x50	Cubicle A2	1100	800	600	195
	175	Cubicle A3	2000	800	600	330	
	200	Cubicle A3	2000	800	600	360	
	225	Cubicle A3	2000	800	600	380	
	250	Cubicle A3	2000	800	600	400	
	275	Cubicle A3	2000	800	600	420	
	300	Cubicle A3	2000	800	600	440	
	350	Cubicle A4	2000	1600	600	520	
375	Cubicle A4	2000	1600	600	540		
400	Cubicle A4	2000	1600	600	560		
450	Cubicle A4	2000	1600	600	600		
500	Cubicle A4	2000	1600	600	640		
550	Cubicle A4	2000	1600	600	680		
600	Cubicle A4	2000	1600	600	720		
700	Cubicles A4+A3	2000	2400	600	1000		
800	Cubicles A4+A3	2000	2400	600	1080		
900	Cubicles A4+A3	2000	2400	600	1180		
1000	Cubicles A4+A4	2000	3200	600	1280		
1050	Cubicles A4+A4	2000	3200	600	1360		
1200	Cubicles A4+A4	2000	3200	600	1440		



Varset is a capacitor bank composed of Varplus<sup>2</sup> capacitors, specific contactors for capacitor switching and a Varlogic power factor controller. It is offered in two models, with or without incoming circuit breaker. It is presented in enclosures or cubicles with different height. It is available in Classic, Comfort and Harmony according to the level of harmonic pollution.



Cubicle A3B with incoming circuit breaker.



Cubicle A4B with incoming circuit breaker.

### Varset Harmony "with incoming circuit breaker"

Highly polluted network (25 % < Gh/Sn ≤ 50 %)

Varset Harmony "with incoming circuit breaker"								
Tuning order	400 V (kvar)	Step	Type	Ref.	400 V (kvar)	Step	Type	Ref.
2.7 (135 Hz)	12	2x6.25	Cubicle A2	<b>65600</b>	275	11x25	Cubicle A3B	<b>65634</b>
	25	2x12.5	Cubicle A2	<b>65602</b>	300	6x50	Cubicle A3B	<b>65636</b>
	37	3x12.5	Cubicle A2	<b>65604</b>	350	7x50	Cubicle A4B	<b>65638</b>
	50	4x12.5	Cubicle A2	<b>65606</b>	375	15x25	Cubicle A4B	<b>65640</b>
	62	5x12.5	Cubicle A2	<b>65608</b>	400	8x50	Cubicle A4B	<b>65642</b>
	75	3x25	Cubicle A2	<b>65610</b>	450	9x50	Cubicle A4B	<b>65644</b>
		6x12.5	Cubicle A3B	<b>65612</b>	500	10x50	Cubicle A4	<b>65646</b>
	100	4x25	Cubicle A3B	<b>65614</b>	550	11x50	Cubicle A4B	<b>65648</b>
		8x12.5	Cubicle A3B	<b>65616</b>	600	12x50	Cubicle A4B	<b>65650</b>
	125	5x25	Cubicle A2	<b>65618</b>	6x100	Cubicle A4	<b>65652</b>	
	137	11x12.5	Cubicle A3B	<b>65620</b>	700	7x100	Cubicles A4B+A3B	<b>65654</b>
	150	6x25	Cubicle A3B	<b>65622</b>	800	8x100	Cubicles A4B+A3B	<b>65656</b>
		3x50	Cubicle A2	<b>65624</b>	900	9x100	Cubicles A4B+A3B	<b>65658</b>
175	7x25	Cubicle A3B	<b>65626</b>	1000	10x100	Cubicles A4B+A4B	<b>65660</b>	
200	4x50	Cubicle A3B	<b>65628</b>	1100	11x100	Cubicles A4B+A4B	<b>65662</b>	
225	9x25	Cubicle A3B	<b>65630</b>	1200	12x100	Cubicles A4B+A4B	<b>65664</b>	
250	5x50	Cubicle A3B	<b>65632</b>					
3.8 (190 Hz)	12	2x6.25	Cubicle A2	<b>65700</b>	275	11x25	Cubicle A3B	<b>65734</b>
	25	2x12.5	Cubicle A2	<b>65702</b>	300	6x50	Cubicle A3B	<b>65736</b>
	37	3x12.5	Cubicle A2	<b>65704</b>	350	7x50	Cubicle A4B	<b>65738</b>
	50	4x12.5	Cubicle A2	<b>65706</b>	375	15x25	Cubicle A4B	<b>65740</b>
	62	5x12.5	Cubicle A2	<b>65708</b>	400	8x50	Cubicle A4B	<b>65742</b>
	75	3x25	Cubicle A2	<b>65710</b>	450	9x50	Cubicle A4B	<b>65744</b>
		6x12.5	Cubicle A3B	<b>65712</b>	500	10x50	Cubicle A4B	<b>65746</b>
	100	4x25	Cubicle A2	<b>65714</b>	550	11x50	Cubicle A4B	<b>65748</b>
		8x12.5	Cubicle A3B	<b>65716</b>	600	12x50	Cubicle A4B	<b>65750</b>
	125	5x25	Cubicle A2	<b>65718</b>	6x100	Cubicle A4B	<b>65752</b>	
	137	11x12.5	Cubicle A3B	<b>65720</b>	700	7x100	Cubicles A4B+A3B	<b>65754</b>
	150	6x25	Cubicle A3B	<b>65722</b>	800	8x100	Cubicles A4B+A3B	<b>65756</b>
		3x50	Cubicle A2	<b>65724</b>	900	9x100	Cubicles A4B+A3B	<b>65758</b>
175	7x25	Cubicle A3B	<b>65726</b>	1000	10x100	Cubicles A4B+A4B	<b>65760</b>	
200	4x50	Cubicle A3B	<b>65728</b>	1100	11x100	Cubicles A4B+A4B	<b>65762</b>	
225	9x25	Cubicle A3B	<b>65730</b>	1200	12x100	Cubicles A4B+A4B	<b>65764</b>	
250	5x50	Cubicle A3B	<b>65732</b>					
4.3 (215 Hz)	12	2x6.25	Cubicle A2	<b>65800</b>	275	11x25	Cubicle A3B	<b>65834</b>
	25	2x12.5	Cubicle A2	<b>65802</b>	300	6x50	Cubicle A3B	<b>65836</b>
	37	3x12.5	Cubicle A2	<b>65804</b>	350	7x50	Cubicle A4B	<b>65838</b>
	50	4x12.5	Cubicle A2	<b>65806</b>	375	15x25	Cubicle A4B	<b>65840</b>
	62	5x12.5	Cubicle A2	<b>65808</b>	400	8x50	Cubicle A4B	<b>65842</b>
	75	3x25	Cubicle A2	<b>65810</b>	450	9x50	Cubicle A4B	<b>65844</b>
		6x12.5	Cubicle A3B	<b>65812</b>	500	10x50	Cubicle A4B	<b>65846</b>
	100	4x25	Cubicle A2	<b>65814</b>	550	11x50	Cubicle A4B	<b>65848</b>
		8x12.5	Cubicle A3B	<b>65816</b>	600	12x50	Cubicle A4B	<b>65850</b>
	125	5x25	Cubicle A2	<b>65818</b>	6x100	Cubicle A4B	<b>65852</b>	
	137	11x12.5	Cubicle A3B	<b>65820</b>	700	7x100	Cubicles A4B+A3B	<b>65854</b>
	150	6x25	Cubicle A3B	<b>65822</b>	800	8x100	Cubicles A4B+A3B	<b>65856</b>
		3x50	Cubicle A2	<b>65824</b>	900	9x100	Cubicles A4B+A3B	<b>65858</b>
175	7x25	Cubicle A3B	<b>65826</b>	1000	10x100	Cubicles A4B+A4B	<b>65860</b>	
200	4x50	Cubicle A3B	<b>65828</b>	1100	11x100	Cubicles A4B+A4B	<b>65862</b>	
225	9x25	Cubicle A3B	<b>65830</b>	1200	12x100	Cubicles A4B+A4B	<b>65864</b>	
250	5x50	Cubicle A3B	<b>65832</b>					

### Technical data

- capacitor rated voltage: 480 V, 3-phase 50 Hz
- tuning order: 2.7 (135 Hz) - 3.8 (190 Hz) - 4.3 (215 Hz)
- capacitance value tolerance: -5, +10 %
- insulation level:
  - 0.69 kV
  - withstand 50 Hz, 1 min: 2.5 kV
- maximum permissible overloads:

Tuning order	2.7 (135 Hz)	3.8 (190 Hz)	4.3 (215 Hz)
Overcurrent (max)	12 % under 400 V	19 % under 400 V	30 % under 400 V
Overvoltage	10 %	10 %	10 %

- ambient temperature around the capacitor bank (electrical room):
  - maximum temperature: 40 °C
  - average temperature over 24 hours: 35 °C
  - average annual temperature: 25 °C
  - minimum temperature: -5 °C
- degree of protection:
  - cubicle: IP31 (except on outlet fan: IP21D)
- load shedding (main-standby)
- transformer 400/230 V integrated
- protection against direct contact (opened door)
- colour: RAL 9001
- standards: IEC 60439-1, EN 60439-1, IEC 61921

#### Installation

- cubicle: free standing cubicle with bottom connection of power cables to the busbar pads
- the CT (5 VA sec. 5 A), not supplied, has to be placed upstream from the capacitor bank and loads
- it is not necessary to provide a 230 V/50 Hz power supply to supply the contactor coils.

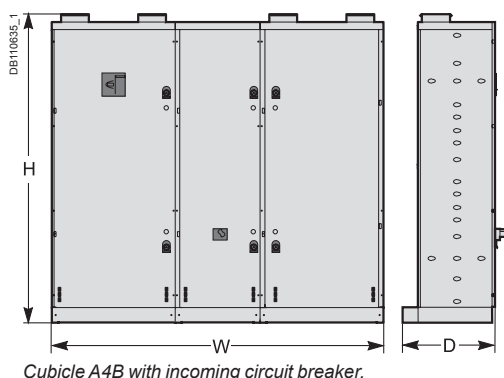
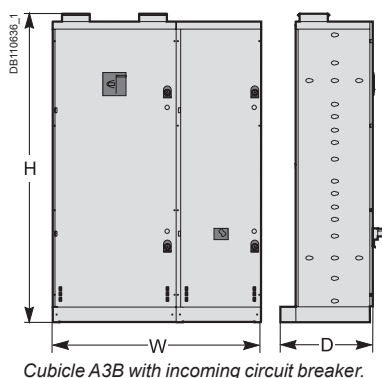
#### Options

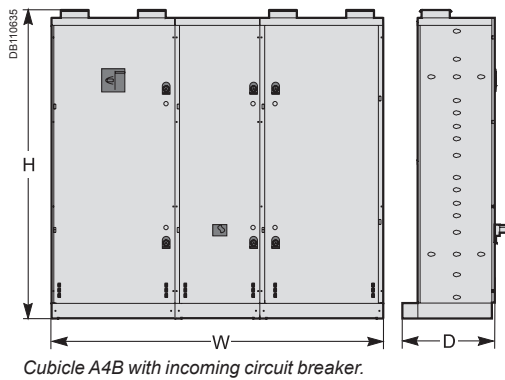
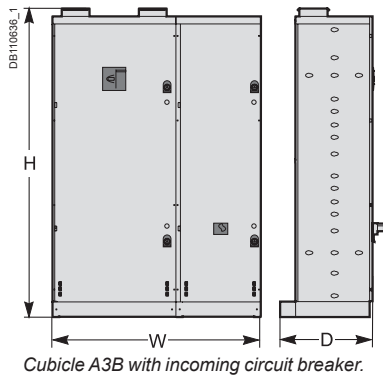
- fixed base compensation
- extension
- top connection
- please consult us for other options.

#### Dimensions

##### Varset Harmony "with incoming circuit breaker"

Tuning order	400 V (kvar)	Type	Dimensions (mm)			Weight (kg)	
			H	W	D		
2.7 (135 Hz)	12	Cubicle A2	1100	800	600	170	
	25	Cubicle A2	2000	1350	600	180	
	37	Cubicle A2	2000	1350	600	190	
	50	Cubicle A2	2000	1350	600	200	
	62	Cubicle A2	2000	1350	600	215	
	75	3x25	Cubicle A2	2000	1350	600	225
		6x12.5	Cubicle A3B	2000	1350	600	270
	100	4x25	Cubicle A2	2000	1350	600	245
		8x12.5	Cubicle A3B	2000	1350	600	290
	125	Cubicle A2	2000	1350	600	265	
	137	Cubicle A3B	2000	1350	600	320	
	150	Cubicle A3B+A2	2000	1350	600	370	
	175	Cubicle A3B	2000	1350	600	400	
	200	Cubicle A3B	2000	1350	600	430	
	225	Cubicle A3B	2000	1350	600	450	
	250	Cubicle A3B	2000	1350	600	470	
275	Cubicle A3B	2000	1350	600	490		
300	Cubicle A3B	2000	1350	600	510		
350	Cubicle A4B	2000	2150	600	590		
375	Cubicle A4B	2000	2150	600	610		
400	Cubicle A4B	2000	2150	600	630		
450	Cubicle A4B	2000	2150	600	670		
500	Cubicle A4B	2000	2150	600	710		
550	Cubicle A4B	2000	2150	600	750		
600	Cubicle A4B	2000	2150	600	790		
700	Cubicles A4B+A3B	2000	3500	600	1140		
800	Cubicles A4B+A3B	2000	3500	600	1220		
900	Cubicles A4B+A3B	2000	3500	600	1320		
1000	Cubicles A4B+A3B	2000	4300	600	1420		
1050	Cubicles A4B+A3B	2000	4300	600	1500		
1200	Cubicles A4B+A3B	2000	4300	600	1580		





#### Dimensions (cont.)

Varset Harmony "with incoming circuit breaker"							
Tuning order	400 V (kvar)	Type	Dimensions (mm)			Weight (kg)	
			H	W	D		
3.8 (190 Hz)	12	Cubicle A2	2000	1350	600	170	
	25	Cubicle A2	2000	1350	600	180	
	37	Cubicle A2	2000	1350	600	190	
	50	Cubicle A2	2000	1350	600	200	
	62	Cubicle A2	2000	1350	600	215	
	75	3x25	Cubicle A3B	2000	1350	600	225
		6x12.5	Cubicle A3B	2000	1350	600	270
	100	4x25	Cubicle A3B	2000	1350	600	245
		8x12.5	Cubicle A3B	2000	1350	600	290
	125	Cubicle A2	2000	1350	600	265	
	137	Cubicle A3B	2000	1350	600	230	
	150	Cubicle A3B+A2	2000	1350	600	370	
	175	Cubicle A3B	2000	1350	600	400	
	200	Cubicle A3B	2000	1350	600	430	
	225	Cubicle A3B	2000	1350	600	450	
	250	Cubicle A3B	2000	1350	600	470	
	275	Cubicle A3B	2000	1350	600	490	
	300	Cubicle A3B	2000	1350	600	510	
	350	Cubicle A4B	2000	2150	600	590	
	375	Cubicle A4B	2000	2150	600	610	
400	Cubicle A4B	2000	2150	600	630		
450	Cubicle A4B	2000	2150	600	670		
500	Cubicle A4B	2000	2150	600	710		
550	Cubicle A4B	2000	2150	600	750		
600	Cubicle A4B	2000	2150	600	790		
700	Cubicles A4B+A3B	2000	3500	600	1140		
800	Cubicles A4B+A3B	2000	3500	600	1220		
900	Cubicles A4B+A3B	2000	3500	600	1320		
1000	Cubicles A4B+A4B	2000	4300	600	1420		
1100	Cubicles A4B+A4B	2000	4300	600	1500		
1200	Cubicles A4B+A4B	2000	4300	600	1580		
4.3 (215Hz)	12	Cubicle A2	2000	1350	600	170	
	25	Cubicle A2	2000	1350	600	180	
	37	Cubicle A2	2000	1350	600	190	
	50	Cubicle A2	2000	1350	600	200	
	62	Cubicle A2	2000	1350	600	215	
	75	3x25	Cubicle A2	2000	1350	600	225
		6x12.5	Cubicle A3	2000	1350	600	270
	100	4x25	Cubicle A2	2000	1350	600	245
		8x12.5	Cubicle A3	2000	1350	600	290
	125	Cubicle A2	2000	1350	600	265	
	137	Cubicle A3	2000	1350	600	320	
	150	Cubicle A3+A2	2000	1350	600	370	
	175	Cubicle A3	2000	1350	600	400	
	200	Cubicle A3	2000	1350	600	430	
	225	Cubicle A3	2000	1350	600	450	
	250	Cubicle A3	2000	1350	600	470	
	275	Cubicle A3	2000	1350	600	490	
	300	Cubicle A3	2000	1350	600	510	
	350	Cubicle A4	2000	2150	600	590	
	375	Cubicle A4	2000	2150	600	610	
400	Cubicle A4	2000	2150	600	630		
450	Cubicle A4	2000	2150	600	670		
500	Cubicle A4	2000	2150	600	710		
550	Cubicle A4	2000	2150	600	750		
600	Cubicle A4	2000	2150	600	790		
700	Cubicles A4B+A3B	2000	3500	600	1140		
800	Cubicles A4B+A3B	2000	3500	600	1220		
900	Cubicles A4B+A3B	2000	3500	600	1320		
1000	Cubicles A4B+A4B	2000	4300	600	1420		
1100	Cubicles A4B+A4B	2000	4300	600	1500		
1200	Cubicles A4B+A4B	2000	4300	600	1580		