

Schneider Electric can supply all types of capacitor banks, whatever the:

- complexity of the network in the presence or absence of harmonics
- demand for reactive power
- nominal insulation voltages.

To make it easier to choose the right capacitor banks, they are supplied:

- CP214 fixed capacitor banks
- CP227 fixed capacitor banks.

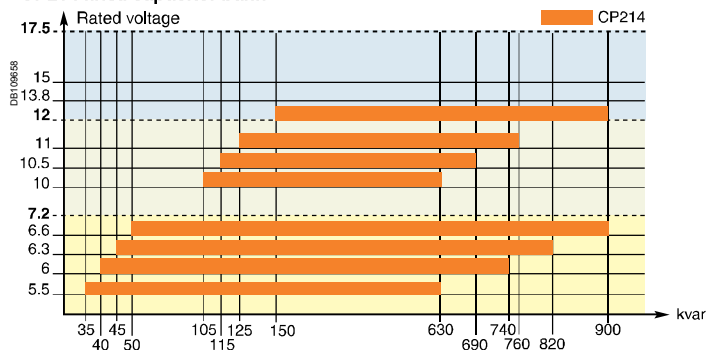


CP214 and CP227 fixed capacitor banks

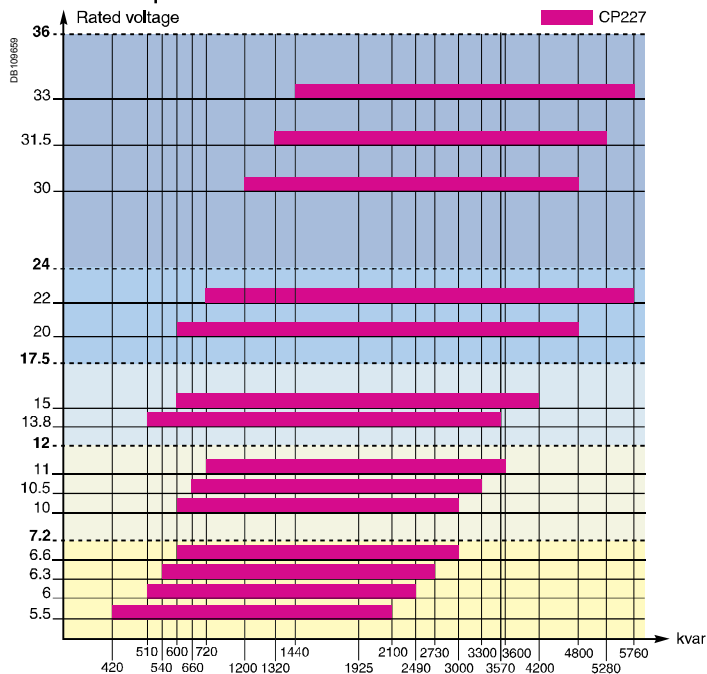
Fixed capacitor banks	CP214	CP227
Rated voltage	≤ 12 kV	≤ 36 kV
Reactive power range	≤ 960 kvar	≤ 5760 kvar
Example of application	Individual motor compensation	Global installation compensation
Composition		
Protection	HBC fuse	CT and relay unbalance
Switching current limitation by:	3 reactors	3 reactors
Connection	Delta	Double star

Type of capacitor bank

CP214 fixed capacitor bank



CP227 fixed capacitor bank



Insulation voltage: 7.2 kV 12 kV 17.5 kV 24 kV 36 kV

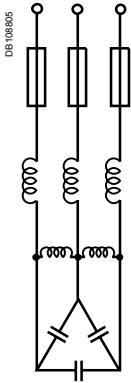
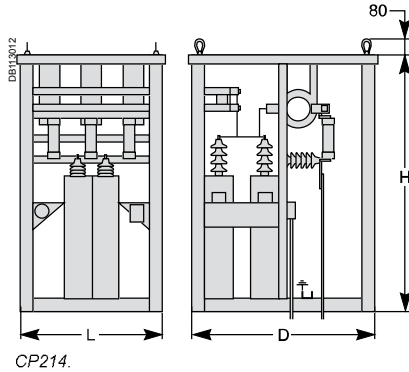
Technical data

The capacitor banks have the following common characteristics:

- environmentally compatible Propivar capacitors with no PCB or chlorine dielectric liquid
- service frequency: 50 Hz (available in 60 Hz, please consult us)
- maximum temperature: 45 °C
- average temperature over 24 hours: 35 °C
- installation altitude ≤ 1000 m
- IP23 cubicle mounted
- incoming cables from below with power cables connected to the copper pads
- optional: outdoor type, fuse blow indicator, fast discharge reactors, lockable door.

Power factor correction
and harmonic filtering

CP214 fixed capacitor bank
Insulation level 7.2 kV (20/60) - 50/60 Hz
Standard type (slightly polluted network)



Network voltage (V)	4160		3300		3000		2400		Ref.	
	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz		
Dimensions (mm) (L x D x H)										
1180 x 905 x 1680	425	50	60	30	37.5	25	30	16.5	20	73380050R
1180 x 905 x 1680	435	100	120	60	75	50	60	33	40	73380051R
1180 x 905 x 1680	440	150	180	90	110	75	90	50	60	73380052R
1180 x 905 x 1680	450	200	240	120	150	100	120	66	80	73380053R
1180 x 905 x 1680	450	250	300	150	185	125	150	85	100	73380054R
1180 x 905 x 1680	465	300	360	180	225	150	180	100	120	73380055R
1180 x 905 x 1680	470	350	420	210	260	175	210	115	140	73380056R
1180 x 905 x 1680	475	400	480	240	295	200	240	135	160	73380057R
1180 x 905 x 1680	480	450	540	270	335	225	270	150	180	73380058R
1180 x 905 x 1680	485	500	600	300	370	250	300	170	200	73380059R
1180 x 905 x 1680	500	550	660	330	410	275	330	185	220	73380060R
1180 x 905 x 1680	510	600	720	360	450	300	360	200	240	73380061R
1180 x 905 x 1680	525	650	780	390	485	325	390	215	260	73380062R
1180 x 905 x 1680	535	700	840	420	520	350	420	230	280	73380063R

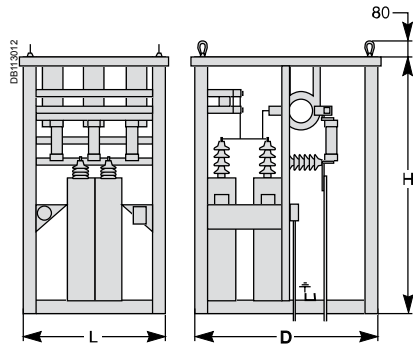
Network voltage (V)	6600		6300		6000		5500		Ref.	
	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz		
Dimensions (mm) (L x D x H)										
1180 x 905 x 1680	425	50	60	45	55	40	50	35	40	73380000R
1180 x 905 x 1680	435	100	120	90	110	80	100	70	80	73380001R
1180 x 905 x 1680	440	150	180	135	165	120	150	105	120	73380002R
1180 x 905 x 1680	450	200	240	180	220	160	200	140	160	73380003R
1180 x 905 x 1680	455	250	300	225	275	200	250	175	200	73380004R
1180 x 905 x 1680	465	300	360	270	330	240	300	210	240	73380005R
1180 x 905 x 1680	470	350	420	315	385	280	350	245	280	73380006R
1180 x 905 x 1680	475	400	480	360	440	320	400	280	320	73380007R
1180 x 905 x 1680	480	450	540	405	495	360	450	315	360	73380008R
1180 x 905 x 1680	485	500	600	450	550	400	500	350	400	73380009R
1180 x 905 x 1680	500	550	660	495	605	440	550	385	440	73380010R
1180 x 905 x 1680	510	600	720	540	660	480	600	420	480	73380011R
1180 x 905 x 1680	525	650	780	585	715	520	650	455	520	73380012R
1180 x 905 x 1680	535	700	840	630	770	560	700	490	560	73380013R
1180 x 905 x 1680	540	750	900	675	825	600	750	525	600	73380014R
1180 x 905 x 1680	545	800	960	720	880	640	800	560	640	73380015R
1180 x 905 x 1680	550	850	1020	765	935	680	850	595	680	73380016R
1180 x 905 x 1680	560	900	1080	810	990	720	900	630	720	73380017R

CP214 options

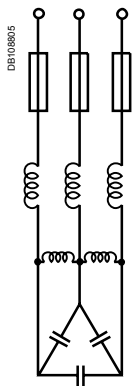
Description	Ref.
Melted fuse indication device	73380021R
Quick discharge coils: 7.2 - 12 kV (set of 2)	73380022R
Door with lock for indoor type enclosure	73380023R
Outdoor type	73380020R
Door with lock for outdoor type enclosure	73380018R
Double roof for outdoor type enclosure	73380019R

CP214 fixed capacitor bank

Insulation level 12 kV (28/75) - 50/60 Hz
Standard type (slightly polluted network)



CP214.



Network voltage (V)	12000		11000		10500		10000		Ref.	
	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz		
Dimensions (mm) (L x D x H)										
1180 x 905 x 1680	440	150	180	125	150	115	135	105	125	73380025R
1180 x 905 x 1680	450	200	240	170	200	150	180	140	165	73380026R
1180 x 905 x 1680	455	250	300	210	250	190	230	175	210	73380027R
1180 x 905 x 1680	465	300	360	250	300	230	270	210	250	73380028R
1180 x 905 x 1680	470	350	420	295	350	265	320	245	295	73380029R
1180 x 905 x 1680	475	400	480	335	400	305	365	280	335	73380030R
1180 x 905 x 1680	485	450	540	380	450	345	410	315	375	73380031R
1180 x 905 x 1680	500	500	600	420	500	380	460	350	420	73380032R
1180 x 905 x 1680	510	550	660	460	550	420	500	385	460	73380033R
1180 x 905 x 1680	525	600	720	505	600	460	545	420	500	73380034R
1180 x 905 x 1680	530	650	780	545	650	495	590	455	545	73380035R
1180 x 905 x 1680	535	700	840	590	700	535	640	490	585	73380036R
1180 x 905 x 1680	540	750	900	630	750	570	685	525	630	73380037R
1180 x 905 x 1680	545	800	960	670	800	610	730	560	670	73380038R
1180 x 905 x 1680	550	850	1020	715	850	650	775	595	710	73380039R
1180 x 905 x 1680	560	900	1080	760	900	690	820	630	750	73380040R

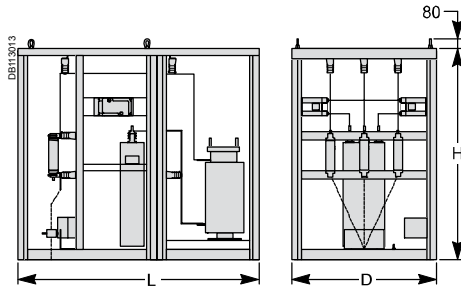
CP214 options

Description	Ref.
Melted fuse indication device	73380021R
Quick discharge coils: 7.2 - 12 kV (set of 2)	73380022R
Door with lock for indoor type enclosure	73380023R
Outdoor type	73380020R
Door with lock for outdoor type enclosure	73380018R
Double roof for outdoor type enclosure	73380019R

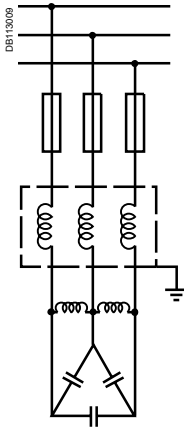
Power factor correction
and harmonic filtering

CP214 SAH fixed capacitor bank

Insulation level 7.2 kV (20/60) - 50/60 Hz
SAH type (highly polluted network)



CP214 SAH.



Network voltage (V)	4160		3300		3000		2400		Ref.	
	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz		
Dimensions (mm) (L x D x H)										
2000 x 1100 x 1900	425	55	65	35	40	30	30	20	20	73385150R
2000 x 1100 x 1900	435	105	130	65	80	55	65	35	40	73385151R
2000 x 1100 x 1900	440	160	195	100	120	85	100	55	65	73385152R
2000 x 1100 x 1900	450	210	260	130	160	110	130	70	85	73385153R
2000 x 1100 x 1900	450	265	325	165	200	140	165	90	105	73385154R
2000 x 1100 x 1900	465	320	390	200	240	165	200	105	130	73385155R
2000 x 1100 x 1900	470	370	455	230	280	195	230	120	150	73385156R
2000 x 1100 x 1900	475	425	520	265	320	225	265	145	170	73385157R
2000 x 1100 x 1900	480	480	585	300	360	250	300	160	195	73385158R
2000 x 1100 x 1900	485	530	650	330	400	280	330	180	210	73385159R
2000 x 1100 x 1900	500	585	715	365	440	305	365	195	235	73385160R
2000 x 1100 x 1900	510	640	780	400	480	330	400	210	260	73385161R
2000 x 1100 x 1900	525	690	845	430	520	360	430	225	280	73385162R
2000 x 1100 x 1900	535	740	910	460	560	390	460	240	300	73385163R

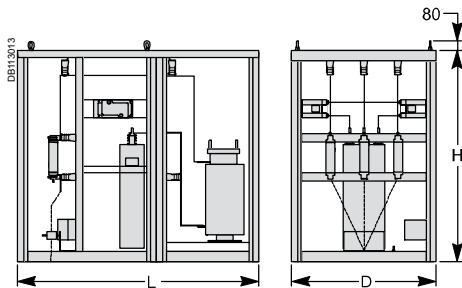
Network voltage (V)	6600		6300		6000		5500		Ref.	
	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz		
Dimensions (mm) (L x D x H)										
2000 x 1100 x 1900	465	52.5	65	47.5	57.5	42.5	52.5	37.5	42.5	73385100R
2000 x 1100 x 1900	480	105	130	95	115	85	105	75	85	73385101R
2000 x 1100 x 1900	490	160	190	145	175	130	160	110	130	73385102R
2000 x 1100 x 1900	505	210	255	190	235	170	210	150	170	73385103R
2000 x 1100 x 1900	515	265	320	240	290	210	265	185	210	73385104R
2000 x 1100 x 1900	530	320	385	290	350	255	320	225	255	73385105R
2000 x 1100 x 1900	540	375	445	335	410	300	375	260	300	73385106R
2000 x 1100 x 1900	550	425	510	385	465	340	425	295	340	73385107R
2000 x 1100 x 1900	565	480	575	435	525	385	480	335	385	73385108R
2000 x 1100 x 1900	580	530	640	480	580	420	530	370	420	73385109R
2000 x 1100 x 1900	600	585	705	530	640	465	585	410	465	73385110R
2000 x 1100 x 1900	615	640	770	580	700	510	640	450	510	73385111R
2000 x 1100 x 1900	630	695	830	625	760	555	695	485	555	73385112R
2000 x 1100 x 1900	645	750	890	670	820	600	750	520	600	73385113R
2000 x 1100 x 1900	660	800	955	720	875	640	800	555	640	73385114R
2000 x 1100 x 1900	675	850	1020	770	930	680	850	590	680	73385115R
2000 x 1100 x 1900	690	905	1085	820	990	725	905	630	725	73385116R
2000 x 1100 x 1900	710	960	1150	870	1050	770	960	670	770	73385117R

CP214 SAH options

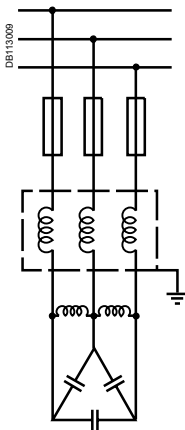
Description	Ref.
Melted fuse indication device	73380021R
Quick discharge coils: 7.2 - 12 kV (set of 2)	73380022R
Door with lock for indoor type enclosure	73385123R
Outdoor type	73385120R
Door with lock for outdoor type enclosure	73385118R
Double roof for outdoor type enclosure	73385119R

CP214 SAH fixed capacitor bank

Insulation level 12 kV (28/75) - 50/60 Hz
SAH type (highly polluted network)



CP214 SAH.



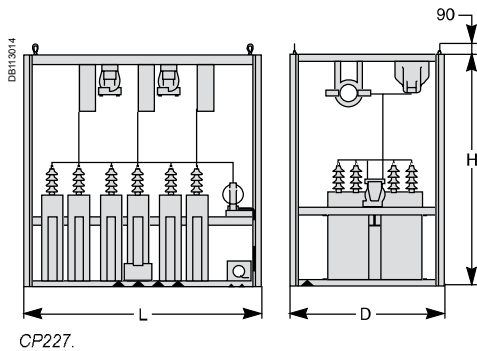
Network voltage (V)	11000		10500		10000		Réf.	
	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz		
Dimensions (mm) (L x D x H)								
2000 x 1100 x 1900	490	135	160	125	150	110	125	73385125R
2000 x 1100 x 1900	505	180	215	165	200	150	165	73385126R
2000 x 1100 x 1900	515	225	270	205	250	185	210	73385127R
2000 x 1100 x 1900	530	270	320	250	300	220	250	73385128R
2000 x 1100 x 1900	540	315	375	285	350	260	295	73385129R
2000 x 1100 x 1900	550	360	430	330	400	295	335	73385130R
2000 x 1100 x 1900	565	405	485	370	450	335	375	73385131R
2000 x 1100 x 1900	580	450	540	410	500	370	420	73385132R
2000 x 1100 x 1900	600	495	590	455	550	405	460	73385133R
2000 x 1100 x 1900	620	540	645	495	600	445	500	73385134R
2000 x 1100 x 1900	640	585	695	535	650	480	545	73385135R
2000 x 1100 x 1900	655	630	755	575	700	520	585	73385136R
2000 x 1100 x 1900	670	675	805	615	750	555	630	73385137R
2000 x 1100 x 1900	690	720	860	660	800	590	670	73385138R
2000 x 1100 x 1900	710	765	915	700	850	630	710	73385139R
2000 x 1100 x 1900	730	810	970	740	900	670	750	73385140R

CP214 SAH options

Description	Réf.
Melted fuse indication device	73380021R
Quick discharge coils: 7.2 - 12 kV (set of 2)	73380022R
Door with lock for indoor type enclosure	73385123R
Outdoor type	73385120R
Door with lock for outdoor type enclosure	73385118R
Double roof for outdoor type enclosure	73385119R

*Power factor correction
and harmonic filtering*

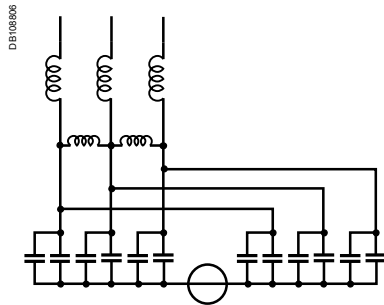
CP227 fixed capacitor bank
Insulation level 7.2 kV (20/60) - 50/60 Hz
Standard type (slightly polluted network)



Network voltage (V)	6600		6300		6000		5500		Ref.	
Dimensions (mm) (L x D x H)	Weight (kg)	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	
1400 x 1400 x 2000	500	1200	1440	1080	1320	960	1140	840	1020	73370002R
1400 x 1400 x 2000	550	1500	1620	1350	1470	1230	1305	1050	1140	73370003R
1400 x 1400 x 2000	600	1800	2160	1620	1920	1500	1800	1260	1500	73370004R

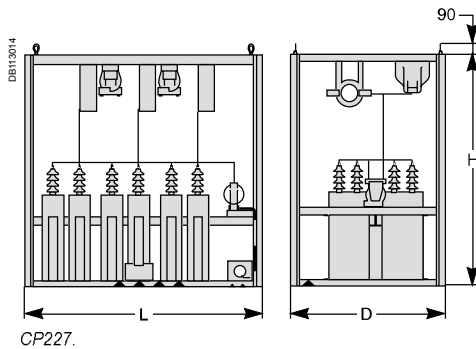
CP227 options

Description	Ref.
Unbalance protection relay (separately delivered)	73394251R
Quick discharge coils: 7.2 - 12 kV (set of 2)	73394805R
Door with lock for indoor type enclosure	73370100R
Outdoor type	73370101R
Door with lock for outdoor type enclosure	73370104R



CP227 fixed capacitor bank

Insulation level 12 kV (28/75) - 50/60 Hz
Standard type (slightly polluted network)

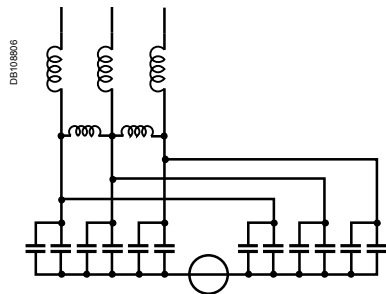


Network voltage (V)	11000		10500		10000		Ref.	
Dimensions (mm) (L x D x H)	Weight (kg)	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	
1400 x 1400 x 2000 ⁽¹⁾	500	1440	1740	1320	1560	1200	1440	73370022R ⁽¹⁾
1400 x 1400 x 2000 ⁽¹⁾	550	1800	2160	1650	1980	1500	1800	73370023R ⁽¹⁾
1400 x 1400 x 2000 ⁽¹⁾	600	2160	2580	1980	2400	1800	2160	73370024R ⁽¹⁾
1900 x 1400 x 2000 ⁽²⁾	650	2520	3030	2310	2760	2100	2520	73370025R ⁽²⁾
1900 x 1400 x 2000 ⁽²⁾	700	2880	3480	2640	3120	2400	2880	73370026R ⁽²⁾
1900 x 1400 x 2000 ⁽²⁾	750	3240	3870	2970	3600	2700	3240	73370027R ⁽²⁾

(1) 6C: 6 capacitors.
(2) 12C: 12 capacitors.

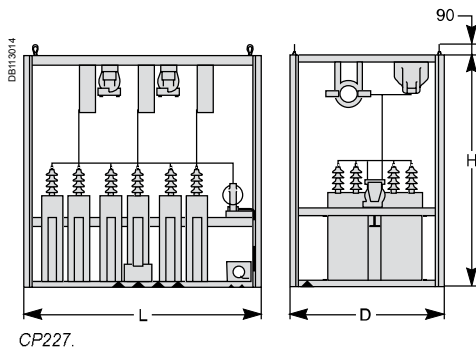
CP227 options

Description	Ref.
Unbalance protection relay (separately delivered)	73394251R
Quick discharge coils: 7.2 - 12 kV (set of 2)	73394805R
Door with lock for indoor type enclosure	73370100R
Outdoor type CP227-6C	73370101R
Outdoor type CP227-12C	73370102R
Door with lock for outdoor type enclosure	73370104R



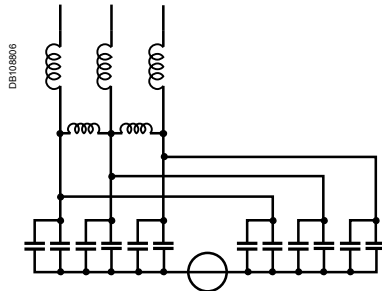
CP227 fixed capacitor bank

Insulation level 17.5 kV (38/95) - 50/60 Hz
Standard type (slightly polluted network)



Network voltage (V)	Dimensions (mm) (L x D x H)	Weight (kg)	15000		13800		Ref.
			50 Hz	60 Hz	50 Hz	60 Hz	
1400 x 1400 x 2000 ⁽¹⁾	450	600	720	510	600	73370040R ⁽¹⁾	
1400 x 1400 x 2000 ⁽¹⁾	500	900	1080	750	900	73370041R ⁽¹⁾	
1400 x 1400 x 2000 ⁽¹⁾	550	1200	1440	1020	1200	73370042R ⁽¹⁾	
1400 x 1400 x 2000 ⁽¹⁾	600	1500	1620	1260	1500	73370043R ⁽¹⁾	
1400 x 1400 x 2000 ⁽¹⁾	650	1800	2160	1500	1800	73370044R ⁽¹⁾	
1400 x 1400 x 2000 ⁽¹⁾	700	2100	2520	1770	2100	73370045R ⁽¹⁾	
1400 x 1400 x 2000 ⁽¹⁾	750	2400	2880	2040	2400	73370046R ⁽¹⁾	
1900 x 1400 x 2000 ⁽²⁾	800	2700	3240	2250	2700	73370047R ⁽²⁾	
1900 x 1400 x 2000 ⁽²⁾	850	3000	3600	2520	3000	73370048R ⁽²⁾	
1900 x 1400 x 2000 ⁽²⁾	900	3300	3960	2790	3300	73370049R ⁽²⁾	
1900 x 1400 x 2000 ⁽²⁾	950	3600	4320	3060	3600	73370050R ⁽²⁾	
1900 x 1400 x 2000 ⁽²⁾	1050	4200	5040	3540	4200	73370051R ⁽²⁾	

(1) 6C: 6 capacitors.
(2) 12C: 12 capacitors.

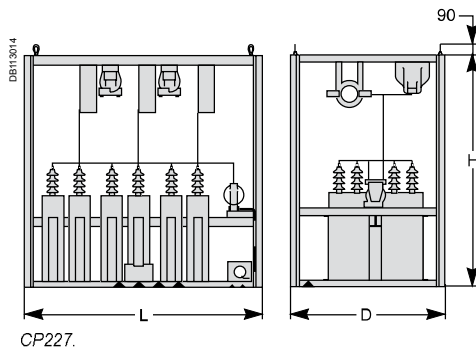


CP227 options

Description	Ref.
Unbalance protection relay (separately delivered)	73394251R
Quick discharge coils: 17.5 - 24 kV (set of 2)	73394806R
Door with lock for indoor type enclosure	73370100R
Outdoor type CP227-6C	73370101R
Outdoor type CP227-12C	73370102R
Door with lock for outdoor type enclosure	73370104R

CP227 fixed capacitor bank

Insulation level 24 kV (50/125) - 50/60 Hz
Standard type (slightly polluted network)

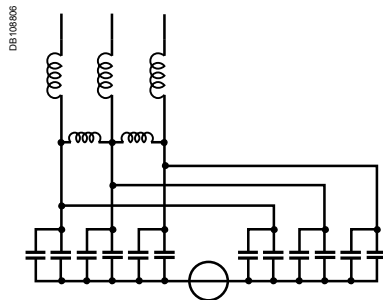


CP227.

Network voltage (V) Dimensions (mm) (L x D x H)	Weight (kg)	22000		20000		Ref.
		50 Hz	60 Hz	50 Hz	60 Hz	
1400 x 1400 x 2000 ⁽¹⁾	500	720	870	600	720	73370060R ⁽¹⁾
1400 x 1400 x 2000 ⁽¹⁾	550	1080	1290	900	1080	73370061R ⁽¹⁾
1400 x 1400 x 2000 ⁽¹⁾	600	1440	1740	1200	1440	73370062R ⁽¹⁾
1400 x 1400 x 2000 ⁽¹⁾	700	1800	2160	1500	1800	73370063R ⁽¹⁾
1400 x 1400 x 2000 ⁽¹⁾	800	2160	2580	1800	2160	73370064R ⁽¹⁾
1400 x 1400 x 2000 ⁽¹⁾	850	2520	3030	2100	2520	73370065R ⁽¹⁾
1400 x 1400 x 2000 ⁽¹⁾	900	2880	3480	2400	2880	73370066R ⁽¹⁾
1900 x 1400 x 2000 ⁽²⁾	1050	3240	3870	2700	3240	73370067R ⁽²⁾
1900 x 1400 x 2000 ⁽²⁾	1100	3600	4320	3000	3600	73370068R ⁽²⁾
1900 x 1400 x 2000 ⁽²⁾	1200	3960	4770	3300	3960	73370069R ⁽²⁾
1900 x 1400 x 2000 ⁽²⁾	1250	4320	5160	3600	4320	73370070R ⁽²⁾
1900 x 1400 x 2000 ⁽²⁾	1400	5040	5220	4200	5040	73370071R ⁽²⁾
1900 x 1400 x 2000 ⁽²⁾	1550	5760	6960	4800	5760	73370072R ⁽²⁾

(1) 6C: 6 capacitors.

(2) 12C: 12 capacitors.

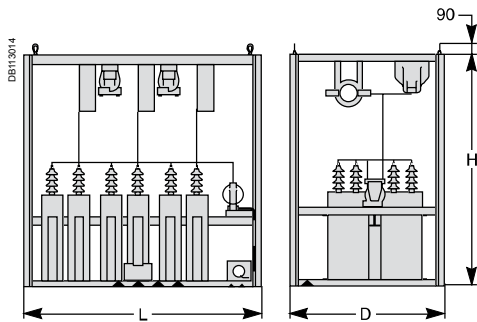


CP227 options

Description	Ref.
Unbalance protection relay (separately delivered)	73394251R
Quick discharge coils: 17.5 - 24 kV (set of 2)	73394806R
Door with lock for indoor type enclosure	73370100R
Outdoor type CP227-6C	73370101R
Outdoor type CP227-12C	73370102R
Door with lock for outdoor type enclosure	73370104R

*Power factor correction
and harmonic filtering*

CP227 fixed capacitor bank
Insulation level 36 kV (70/170) - 50/60 Hz
Standard type (slightly polluted network)



CP227.

Network voltage (V)	33000		31500		30000		Ref.	
	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz		
Dimensions (mm) (L x D x H)								
2500 x 2100 x 2000	700	1440	1740	1320	1560	1200	1440	73370080R
2500 x 2100 x 2000	750	1800	2160	1650	1980	1500	1800	73370081R
2500 x 2100 x 2000	850	2160	2580	1980	2400	1800	2160	73370082R
2500 x 2100 x 2000	950	2880	3480	2640	3120	2400	2880	73370083R
2500 x 2100 x 2000	1150	3600	4320	3300	3960	3000	3600	73370084R
2500 x 2100 x 2000	1250	4320	5160	3960	4800	3600	4320	73370085R
2500 x 2100 x 2000	1400	5040	6060	4620	5520	4200	5040	73370086R
2500 x 2100 x 2000	1550	5760	6960	5280	6240	4800	5760	73370087R

CP227 options

Description	Ref.
Unbalance protection relay (separately delivered)	73394251R
Door with lock for indoor type enclosure	73370100R
Outdoor type	73370103R
Door with lock for outdoor type enclosure	73370104R

