



THERMAL MANAGEMENT

The electronic components contained in cabinets require adequate measures against dust, pollutants and high temperatures.

Providing an adequate cabinet conditioning or air circulation allows to optimize costs and time, thus granting the optimal functioning of the equipment.

Ethermo is the ETA complete range of items for the thermal management of the cabinets:

- compact and ultra-thin conditioners (for wall applications, roof applications and joined cabinets)
- air conditioners for outdoor applications
- air-to-water and air-to-air heat exchangers
- climate control doors
- fans and filter grids “click and fit”
- ventilation hoods
- anti-condensation heaters, controllers and thermostats.

Thermal



AIR CONDITIONERS

- Designed to ensure the best working conditions for electrical and electronic equipment
- Suitable for applications requiring a Temperature set point below ambient Temperature
- Several Mounting configurations for all the applications
- Range from 300 to 10000 W (L35L35)
- Several Power Supply available (see product data sheet)
- High protection degree from cabinet side (IP54)
- Certifications CE (UL on most of the models)
- Maintenance Free
- Functioning up to +55°C
- Refrigerant Gas R134a



APPLICATION	TYPE	CODE
INDOOR	Wall-mounting	WICD
	For joined cabinets	WICE
	Extra-slim	WIDS
	Roof-mounting	WICT
OUTDOOR	Wall-mounting	WICA

HEAT EXCHANGERS

- For proper working favourable conditions are needed (roughly 10°C)
- Range from 16 to 160 W/K air-air; from 870 to 25000 W air/water
- Several Power Supply available
- High Protection degree cabinet side (IP55)
- CE and UL certification
- Wall mounting (internal or external)
- Maintenance free









INDOOR	Air-to-Air	WISC
	Air-to-Water	WISW

VENTILATION

The ventilation systems are an easy and economical solution for the Temperature management of the electronic enclosures. These system are the perfect solution when is possible to use the external air (if not too dirty) for the cooling, the heat load is not too high and the enclosure can work with a ΔT of 10-15°C.

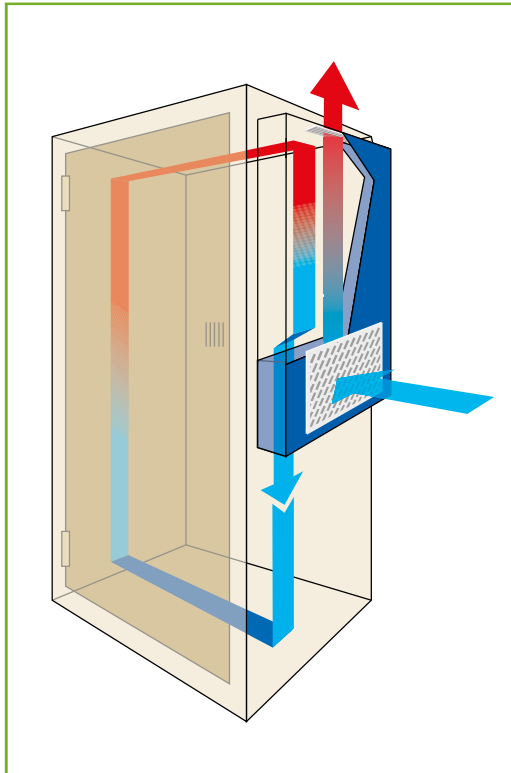


INDOOR	Fans and filtering	WTSV
	EMC fans and filtering	WIEM
	Roof mounting fans	WA
	Exhaust fans	WT
	Heaters, regulators, thermostats	WI

<p>AIR FILTER</p>	
<p>BAFFLE</p>	
<p>SEMI OR TOTALLY RECESSED MOUNTING FRAME</p>	
<p>IP55 GASKET</p>	
<p>SPECIAL COLOUR</p>	
<p>STAINLESS STEEL VERSION IN AISI304 OR AISI316</p>	



* Check the templates for further details



TECHNICAL FEATURES

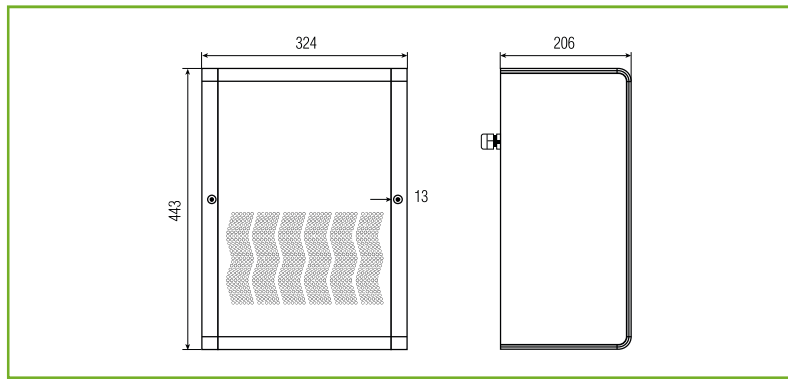
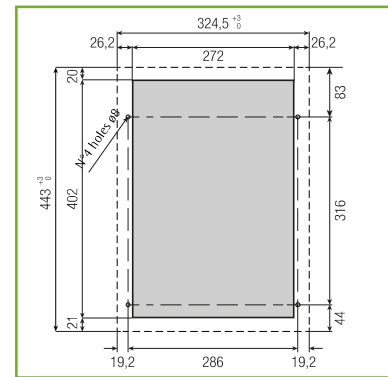
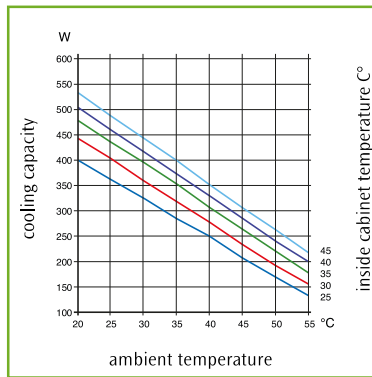
- Air conditioners for wall and door mounting
- Cooling capacity: 360-5600W
- Digital thermostat XCB
- Condensate dissipating device from WICD11...
- µchannel condenser (from WICD11...)
- General Alarm contacts and remote control standard (except WICD38...)

WALL MOUNTED AIR CONDITIONERS

WICD CODE	COOLING CAPACITY L35L35 DIN3168	POWER SUPPLY V-ph-Hz	EXTERNAL DIMENSIONS			CERTIFICATIONS
			WIDTH	HEIGHT	DEPTH	
WICDU3811CW	380W	115-1-60	324	443	206	cULus listed
WICDU5811CW	580W	115-1-60	313	642	223	cULus listed
WICDU5823CW*	580W	230-1-50/60	313	642	223	cULus listed
WICDU9011CW	900W	115-1-60	313	642	223	cULus listed
WICDU9023CW	900W	230-1-50/60	313	642	223	cULus listed
WICDU1611CW	1600W	115-1-60	410	912	248	cULus listed
WICDU1623CW	1600W	230-1-50/60	410	912	248	cULus listed
WICDU2211CW	2200W	115-1-60	409	1005	263	cULus listed
WICDU2223CW	2200W	230-1-50/60	409	1005	263	cULus listed
WICDU3123CW	3150W	230-1-50/60	511	1217	347	cULus listed
WICDU4123CW	4100W	230-1-50/60	511	1217	347	cULus listed
WICD3823CW	360-380W	230-1-50/60	324	443	206	-
WICD5823CW	550-580W	230-1-50/60	313	642	223	-
WICD9023CW*	850-900W	230-1-50/60	313	642	223	-
WICD1123CW*	1100-1150W	230-1-50/60	410	912	248	-
WICD1140CW	1050-1100W	400-2-50/60	410	912	248	-
WICD1623CW*	1500-1600W	230-1-50/60	410	912	248	-
WICD1540CW*	1400-1500W	400-2-50/460-2-60	410	912	248	-
WICD2223CW*	2100-2200W	230-1-50/60	409	1005	263	-
WICD2140CW	2000-2100W	400-3-50/460-3-60	409	1005	263	-
WICD3123CW	3000-3150W	230-1-50/60	511	1217	347	-
WICD3040CW	2850-3000W	400-3-50/460-3-60	511	1217	347	-
WICD4123CW	4000-4100W	230-1-50/60	511	1217	347	-
WICD4040CW	3950-4050W	400-3-50/460-3-60	511	1217	347	-

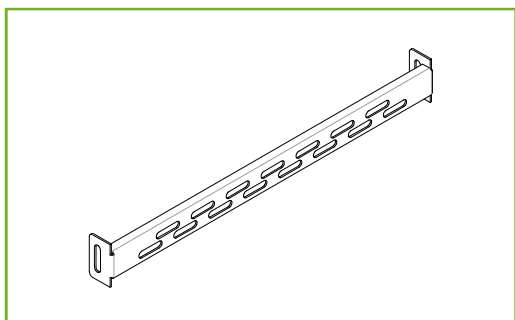
* Item available on stock

Thermal



AIR CONDITIONERS WICD 380W FOR WALL AND DOOR MOUNTING

		WICD3823CW	WICDU3811CW
VOLTAGE/PHASE/FREQUENCY	V-ph-Hz	230-1-50/60	115-1-60
COOLING CAPACITY L35L35 - EN14511-2	W	360 - 380	380
COOLING CAPACITY L35L50 - EN14511-2	W	220 - 240	240
WIDTH/HEIGHT/DEPTH	mm	324x443x206	324x443x206
MAX. RUNNING CURRENT	A	1,3 / 1,4	2,9
STARTING CURRENT	A	9,8	18
PRE-FUSE T	A	4	15
POWER CONSUMPTION L35L50 - DIN 3168 W	W	190 - 220	220
SIDE CABINET FAN FLOW, FREE BLOWING	m ³ /h	164 - 195	195
REGULATION TEMPERATURE LIMITS	°C	+25 / +45	+25 / +45
SIDE AMBIENT TEMPERATURE LIMITS	°C	+20 / +55	+20 / +55
PROTECTION RATING (CABINET SIDE)	IP/Type	54 / -	- / 12
NOISE LEVEL	dB(A)	52	52
WEIGHT	kg	17	17
CERTIFICATIONS		-	cULus listed



REINFORCEMENT CROSSPIECE FOR CONDITIONERS FIXATION EUTC

CHARACTERISTICS

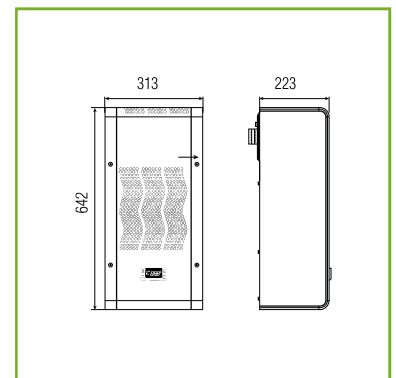
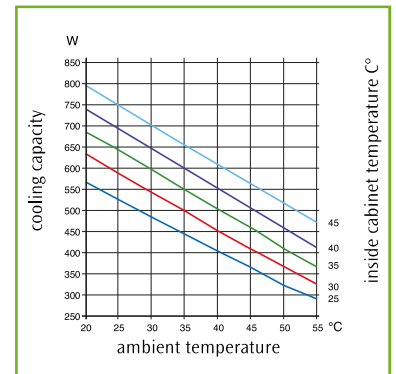
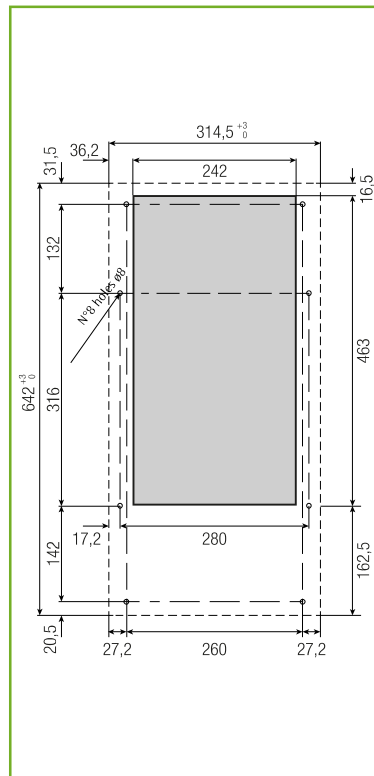
Manufactured from sendzimir sheet steel, with slots to allow the fixing of Ethermo air conditioners on E NUX side panels.

SUPPLY

Includes 2 pieces with mounting accessories.

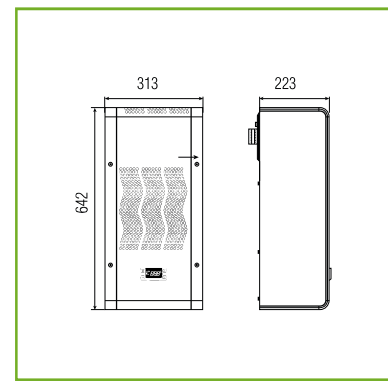
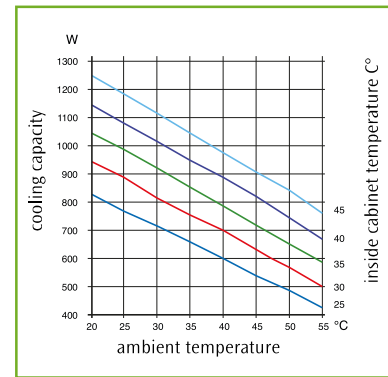
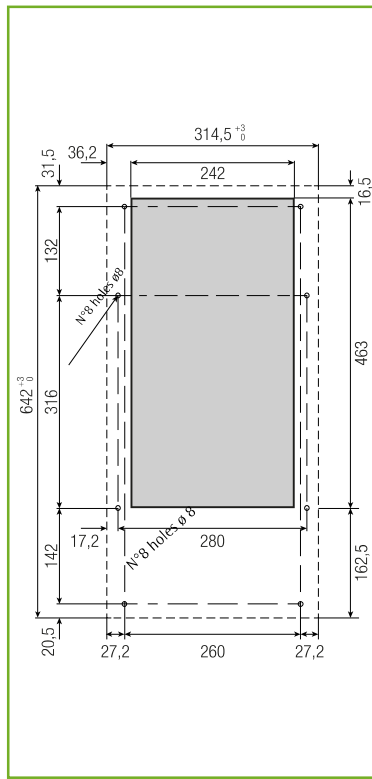
REINFORCEMENT CROSSPIECE EUTC

EUTC CODE	CABINET DEPTH
EUTC-000500	500
EUTC-000600	600
EUTC-000800	800
EUTC-001000	1000



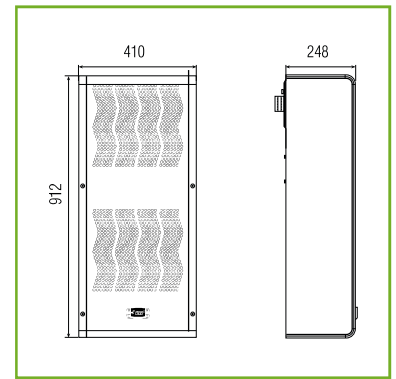
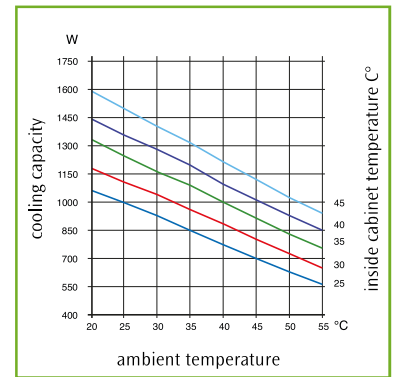
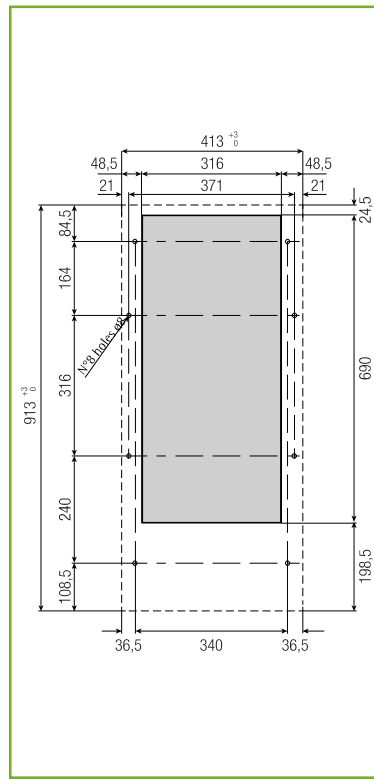
AIR CONDITIONERS WICD 500 W FOR WALL AND DOOR MOUNTING

		WICD5823CW	WICDU5811CW	WICDU5823CW
VOLTAGE/PHASE/FREQUENCY	V-ph-Hz	230-1-50/60	115-1-60	230-1-50/60
COOLING CAPACITY L35L35 - EN14511-2	W	550 - 580	580	580
COOLING CAPACITY L35L50 - EN14511-2	W	413 - 430	430	430
WIDTH/HEIGHT/DEPTH	mm	313x642x223	313x642x223	313x642x223
MAX. RUNNING CURRENT	A	1,4 / 1,6	4,7	2,1
STARTING CURRENT	A	7,5	17	7,5
PRE-FUSE T	A	4	15	15
POWER CONSUMPTION L35L50 - DIN 3168 W	W	320 - 390	390	390
SIDE CABINET FAN FLOW, FREE BLOWING	m ³ /h	164 - 195	195	195
REGULATION TEMPERATURE LIMITS	°C	+25 / +45	+25 / +45	+25 / +45
SIDE AMBIENT TEMPERATURE LIMITS	°C	+20 / +55	+20 / +55	+20 / +55
PROTECTION RATING (CABINET SIDE)	IP/Type	54 / -	- / 12	- / 12
NOISE LEVEL	dB(A)	60	60	60
WEIGHT	kg	23	23	23
CERTIFICATIONS		-	cULus listed	cULus listed



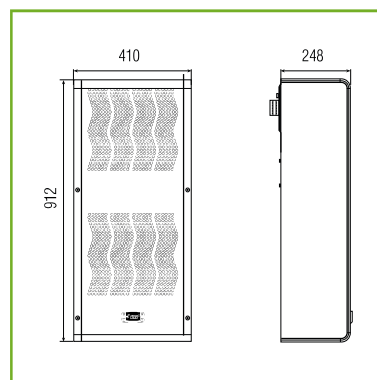
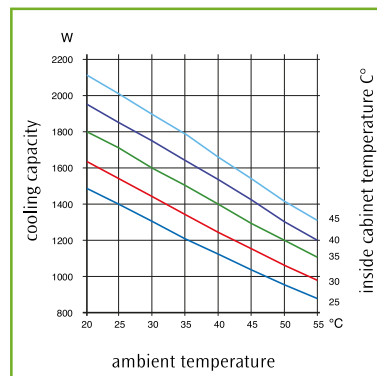
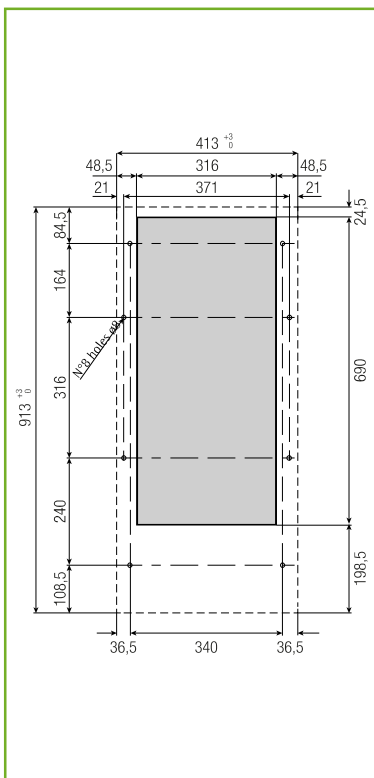
AIR CONDITIONERS WICD 800 W FOR WALL AND DOOR MOUNTING

		WICD9023CW	WICDU9011CW	WICDU9023CW
VOLTAGE/PHASE/FREQUENCY	V-ph-Hz	230-1-50/60	115-1-60	230-1-50/60
COOLING CAPACITY L35L35 - EN14511-2	W	850 - 900	900	900
COOLING CAPACITY L35L50 - EN14511-2	W	620 - 700	700	700
WIDTH/HEIGHT/DEPTH	mm	313x642x223	313x642x223	313x642x223
MAX. RUNNING CURRENT	A	2,6 / 2,7	7,2	3,9
STARTING CURRENT	A	20	28	20
PRE-FUSE T	A	6	15	15
POWER CONSUMPTION L35L50 - DIN 3168 W	W	420 - 600	600	600
SIDE CABINET FAN FLOW, FREE BLOWING	m ³ /h	340 - 356	390	390
REGULATION TEMPERATURE LIMITS	°C	+25 / +45	+25 / +45	+25 / +45
SIDE AMBIENT TEMPERATURE LIMITS	°C	+20 / +55	+20 / +55	+20 / +55
PROTECTION RATING (CABINET SIDE)	IP/Type	54 / -	- / 12	- / 12
NOISE LEVEL	dB(A)	64	64	64
WEIGHT	kg	27	27	27
CERTIFICATIONS		-	cULus listed	cULus listed



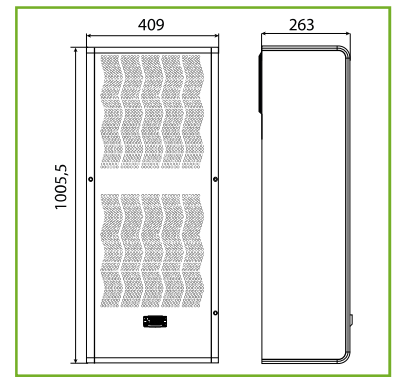
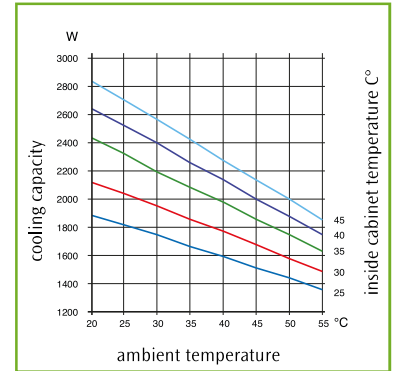
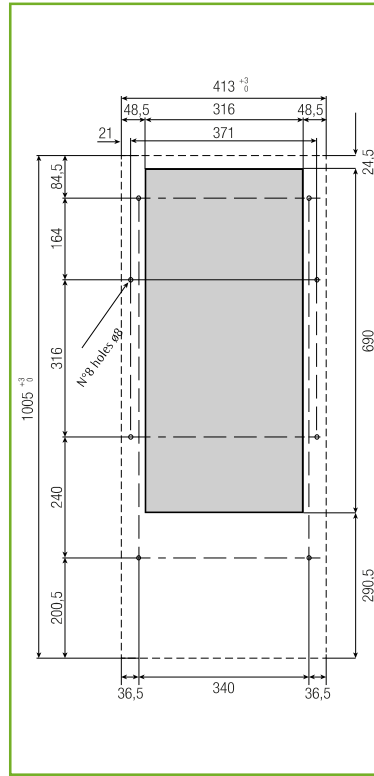
AIR CONDITIONERS WICD 1100 W FOR WALL AND DOOR MOUNTING

		WICD1123CW	WICD1140CW
VOLTAGE/PHASE/FREQUENCY	V-ph-Hz	230-1-50/60	400-2-50 460-2-60
COOLING CAPACITY L35L35 - EN14511-2	W	1100 - 1150	1050 - 1100
COOLING CAPACITY L35L50 - EN14511-2	W	840 - 890	790 - 840
WIDTH/HEIGHT/DEPTH	mm	410x912x248	410x912x248
MAX. RUNNING CURRENT	A	2,5 - 3	1,3 - 1,4
STARTING CURRENT	A	20	40
PRE-FUSE T	A	6	4
POWER CONSUMPTION L35L50 - DIN 3168 W	W	510 - 650	510 - 650
SIDE CABINET FAN FLOW, FREE BLOWING	m ³ /h	540 - 580	540 - 580
REGULATION TEMPERATURE LIMITS	°C	+25 / +45	+25 / +45
SIDE AMBIENT TEMPERATURE LIMITS	°C	+20 / +55	+20 / +55
PROTECTION RATING (CABINET SIDE)	IP/Type	54 / -	54 / -
NOISE LEVEL	dB(A)	65	65
WEIGHT	kg	44	50



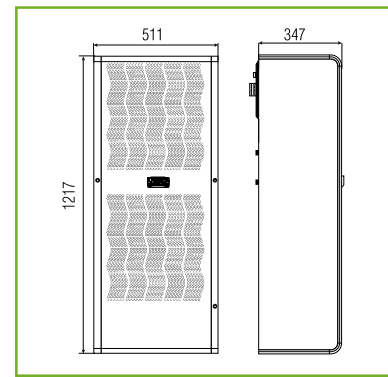
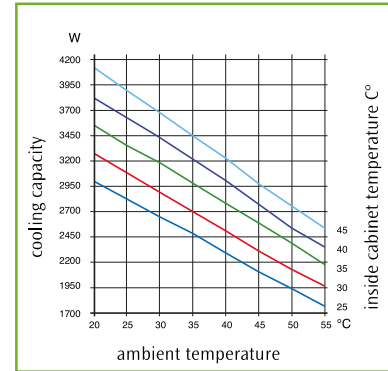
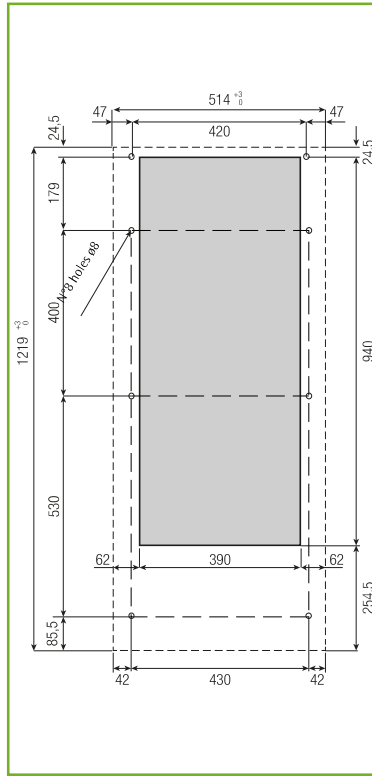
AIR CONDITIONERS WICD 1500 W FOR WALL AND DOOR MOUNTING

		WICD1623CW	WICD1540CW	WICDU1611CW	WICDU1623CW
VOLTAGE/PHASE/FREQUENCY	V-ph-Hz	230-1-50/60	400-2-50 / 460-2-60	115-1-60	230-1-50/60
COOLING CAPACITY L35L35 - EN14511-2	W	1500 - 1600	1400 - 1500	1600	1600
COOLING CAPACITY L35L50 - EN14511-2	W	1200 - 1280	1150 - 1200	1280	1280
WIDTH/HEIGHT/DEPTH	mm	410x912x248	410x912x248	410x912x248	410x912x248
MAX. RUNNING CURRENT	A	3,9 / 4,3	2,5 / 2,6	9,4	4,5
STARTING CURRENT	A	28	110	50	28
PRE-FUSE T	A	8	6	15	15
POWER CONSUMPTION L35L50 - DIN 3168 W	W	750 - 825	750 - 825	825	825
SIDE CABINET FAN FLOW, FREE BLOWING	m3/h	540 - 580	540 - 580	580	580
REGULATION TEMPERATURE LIMITS	°C	+25 / +45	+25 / +45	+25 / +45	+25 / +45
SIDE AMBIENT TEMPERATURE LIMITS	°C	+20 / +55	+20 / +55	+20 / +55	+20 / +55
PROTECTION RATING (CABINET SIDE)	IP/Type	54 / -	54 / -	- / 12	- / 12
NOISE LEVEL	dB(A)	65	65	65	65
WEIGHT	kg	46	53	46	46
CERTIFICATIONS		-	-	cULus listed	cULus listed



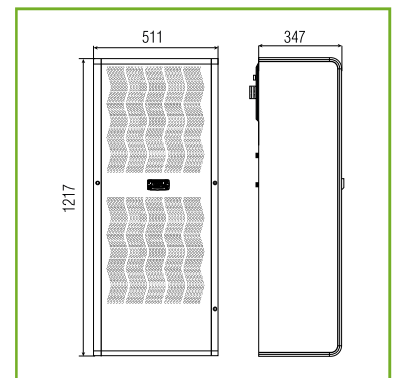
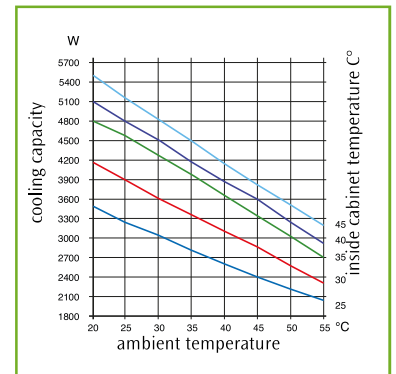
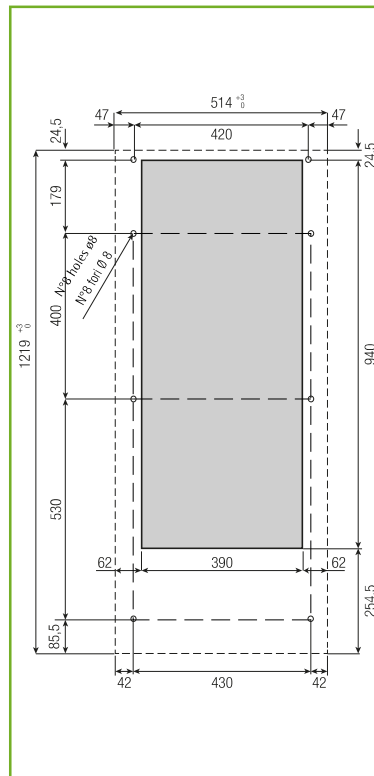
AIR CONDITIONERS WICD 2000 W FOR WALL AND DOOR MOUNTING

		WICD2223CW	WICD2140CW	WICDU2211CW	WICDU2223CW
VOLTAGE/PHASE/FREQUENCY	V-ph-Hz	230-1-50/60	400-3-50 / 460-3-60	115-1-60	230-1-50/60
COOLING CAPACITY L35L35 - EN14511-2	W	2100 - 2200	2000 - 2100	2200	2200
COOLING CAPACITY L35L50 - EN14511-2	W	1750 - 1850	1700 - 1800	1850	1850
WIDTH/HEIGHT/DEPTH	mm	409x1005x263	409x1005x263	409x1005x263	409x1005x263
MAX. RUNNING CURRENT	A	4,8 / 5,5	2,5 / 2,7	13,64	6,3
STARTING CURRENT	A	34	22	60	34
PRE-FUSE T	A	10	6	25	15
POWER CONSUMPTION L35L50 - DIN 3168 W	W	1120 - 1240	1100 - 1200	1240	1240
SIDE CABINET FAN FLOW, FREE BLOWING	m ³ /h	540 - 580	890 - 930	930	580
REGULATION TEMPERATURE LIMITS	°C	+25 / +45	+25 / +45	+25 / +45	+25 / +45
SIDE AMBIENT TEMPERATURE LIMITS	°C	+20 / +55	+20 / +55	+20 / +55	+20 / +55
PROTECTION RATING (CABINET SIDE)	IP/Type	54 / -	54 / -	- / 12	- / 12
NOISE LEVEL	dB(A)	66	66	66	66
WEIGHT	kg	48	48	48	48
CERTIFICATIONS		-	-	cULus listed	cULus listed



AIR CONDITIONERS WICD 3000 W FOR WALL AND DOOR MOUNTING

		WICD3123CW	WICD3040CW	WICDU3123CW
VOLTAGE/PHASE/FREQUENCY	V-ph-Hz	230-1-50/60	400-3-50 460-3-60	230-1-50/60
COOLING CAPACITY L35L35 - EN14511-2	W	3000 - 3150	2850 - 3000	3150
COOLING CAPACITY L35L50 - EN14511-2	W	2400 - 2600	2300 - 2500	2600
WIDTH/HEIGHT/DEPTH	mm	511x1217x347	511x1217x347	511x1217x347
MAX. RUNNING CURRENT	A	5 / 5,5	2,7 / 3	8
STARTING CURRENT	A	35	19	35
PRE-FUSE T	A	8	6	15
POWER CONSUMPTION L35L50 - DIN 3168 W	W	1370 - 1510	1370 - 1510	1510
SIDE CABINET FAN FLOW, FREE BLOWING	m ³ /h	890 - 930	890 - 930	930
REGULATION TEMPERATURE LIMITS	°C	+25 / +45	+25 / +45	+25 / +45
SIDE AMBIENT TEMPERATURE LIMITS	°C	+20 / +55	+20 / +55	+20 / +55
PROTECTION RATING (CABINET SIDE)	IP/Type	54 / -	54 / -	- / 12
NOISE LEVEL	dB(A)	67	67	67
WEIGHT	kg	75	80	75
CERTIFICATIONS		-	-	cULus listed



AIR CONDITIONERS WICD 4000 W FOR WALL AND DOOR MOUNTING

		WICD4123CW	WICD4040CW	WICDU4123CW
VOLTAGE/PHASE/FREQUENCY	V-ph-Hz	230-1-50/60	400-3-50 460-3-60	230-1-50/60
COOLING CAPACITY L35L35 - EN14511-2	W	4000 - 4100	3950 - 4050	4100
COOLING CAPACITY L35L50 - EN14511-2	W	3000 - 3300	2960 - 3260	3300
WIDTH/HEIGHT/DEPTH	mm	511x1217x347	511x1217x347	511x1217x347
MAX. RUNNING CURRENT	A	8,2 / 9,4	2,9 / 4	6,3
STARTING CURRENT	A	42	25	35
PRE-FUSE T	A	16	8	15
POWER CONSUMPTION L35L50 - DIN 3168 W	W	1730 - 1950	1730 - 1950	1950
SIDE CABINET FAN FLOW, FREE BLOWING	m ³ /h	1180 - 1300	1180 - 1300	1300
REGULATION TEMPERATURE LIMITS	°C	+25 / +45	+25 / +45	+25 / +45
SIDE AMBIENT TEMPERATURE LIMITS	°C	+20 / +55	+20 / +55	+20 / +55
PROTECTION RATING (CABINET SIDE)	IP/Type	54 / -	54 / -	- / 12
NOISE LEVEL	dB(A)	67	67	67
WEIGHT	kg	80	85	80
CERTIFICATIONS		-	-	cULus listed



TECHNICAL FEATURES

- Air conditioners for suite cabinets
- Available in two sizes (600 or 800mm width)
- Cooling capacity from 5800W to 10000W
- Digital thermostat ECB.

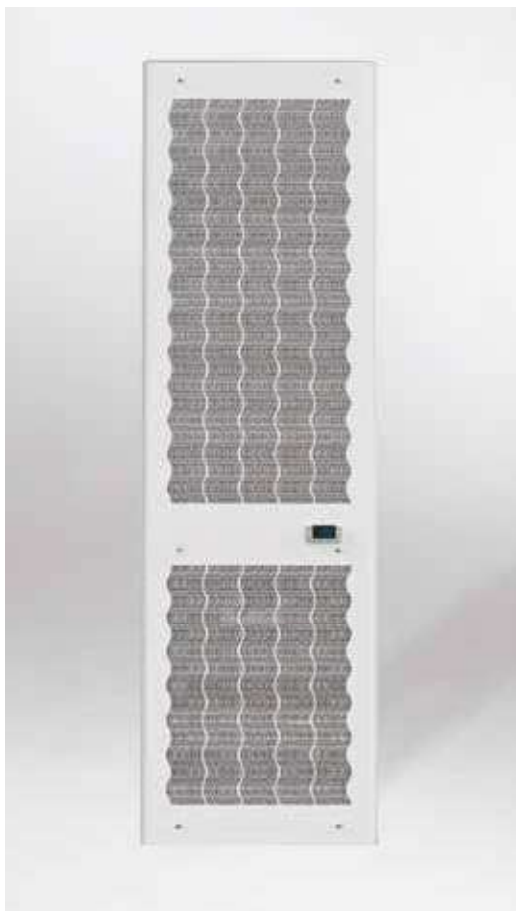


AIR CONDITIONERS FOR SUITE CABINETS

WICE CODE	COOLING CAPACITY L35L35 DIN3168	POWER SUPPLY V-ph-Hz	DIMENSIONS		
			WIDTH	HEIGHT	DEPTH
WICE5840CW	5800 W	400-3-50 / 460-3-60	600	2000	384
WICE8040CW	8000 W	400-3-50 / 460-3-60	800	2000	384
WICE10040CW	10000 W	400-3-50 / 460-3-60	800	2000	384



* Available for some models on request with dedicated code



GENERAL FEATURES

- High efficiency
- Cooling capacity 500 - 4000 W
- XCB electronic board + display
- External, semi-flush or flush mounting (optional)
- Quick electrical connections
- Sequencing and Modbus connections
- µchannel condenser (from WIDS-14...)
- Condensate evaporator device (from WIDS-14...)
- General alarm and remote enable contacts
- Gasket already installed on the air conditioner
- Functioning up to +60°C external temperature

OPTIONAL


- Special colour
- Stainless steel AISI304 or AISI316
- Low noise version
- Phase sequence relay
- Condenser coil protective treatment
- Remote probe

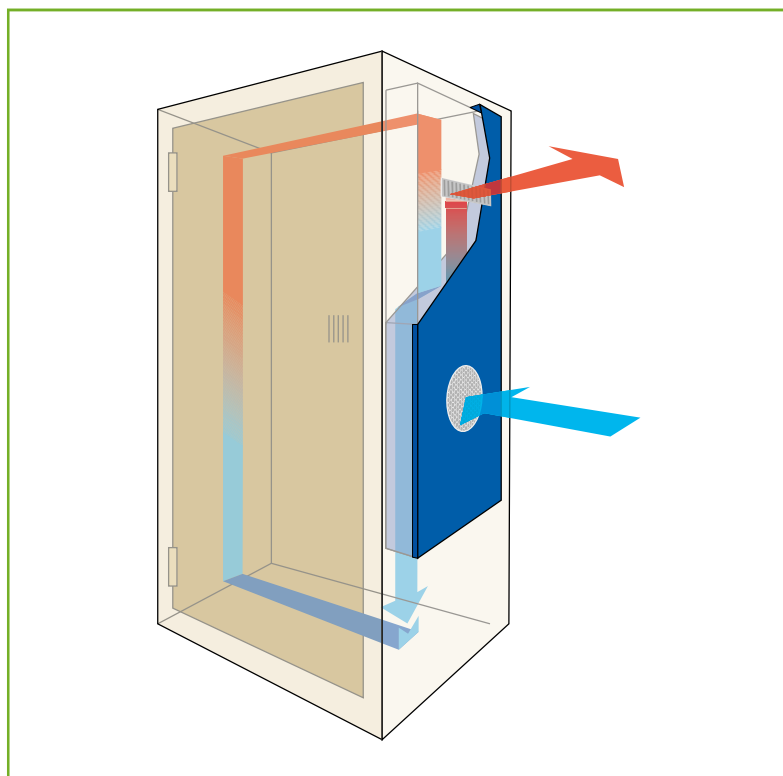
ACCESSORIES

- Semi-flush mounting frame
- External mounting frame
- Air filter
- Sequencing cable

OPTIONS FOR ACCESSORIES

- Special colour
- Stainless steel AISI304
- Stainless steel AISI316

 Range of air conditioners designed for installations that require limited space and reduced protrusions from the panel, featured by a simple and quick assembly.

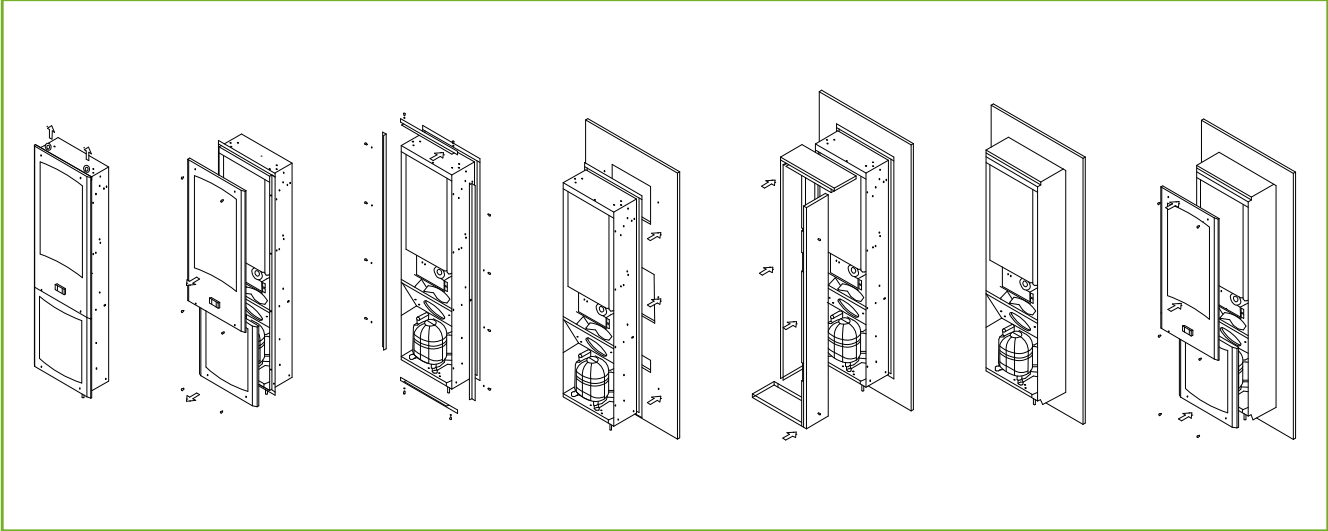


EXTRA-SLIM AIR CONDITIONERS FOR DOOR MOUNTING

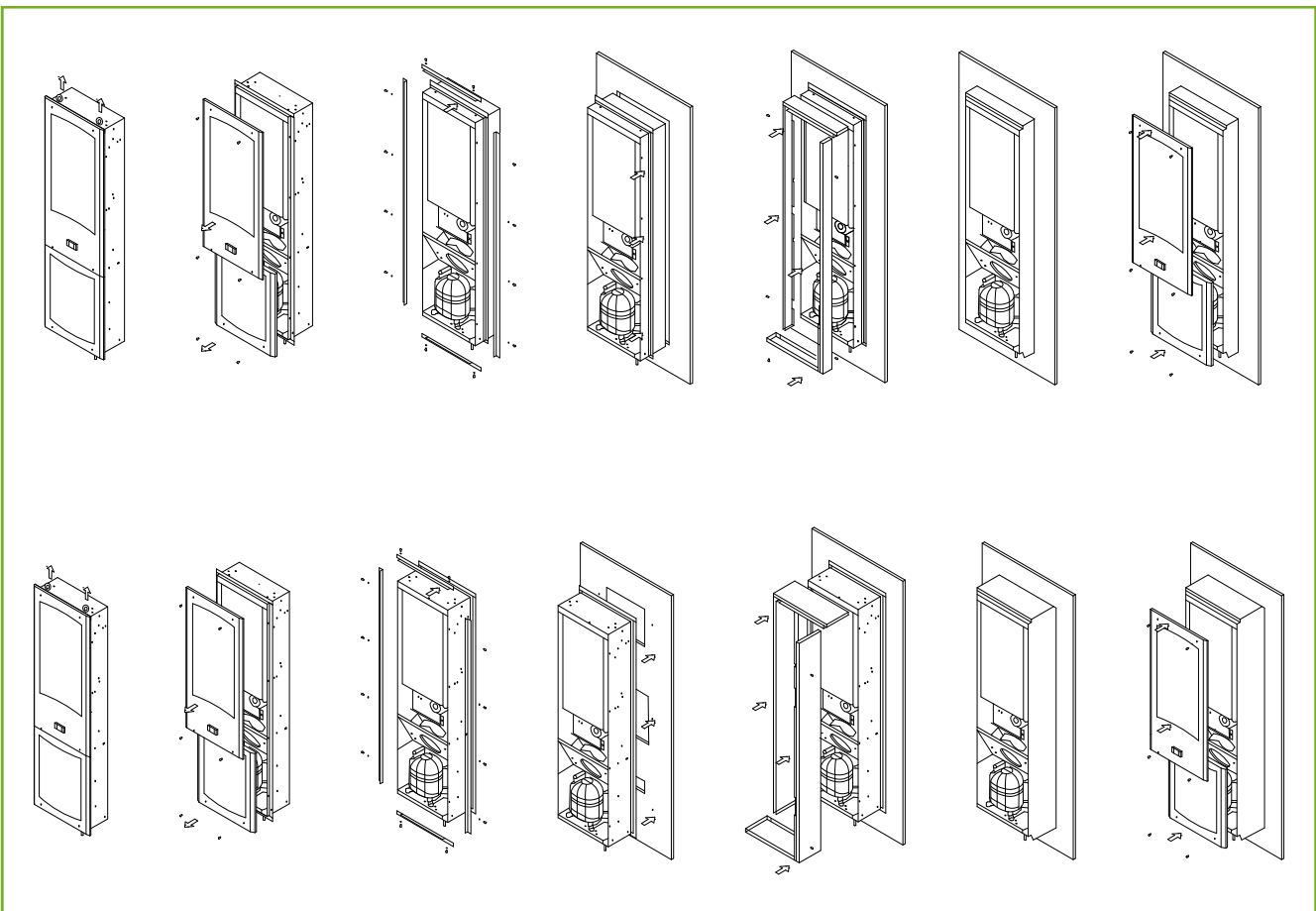
WIDS CODE	COOLING CAPACITY L35L35 DIN3168	POWER SUPPLY V-ph-Hz	DIMENSIONS		
			WIDTH	HEIGHT	DEPTH
WIDS-1023CW	1000 - 1050 W	230 - 1 - 50/60	375	956	196
WIDS-1423CW	1400 - 1500 W	230 - 1 - 50/60	454	1666	181
WIDS-2040CW	2100 - 2200 W	400 - 3 - 50 / 460 - 3 - 60	454	1666	181
WIDS-3040CW	3050 - 3200 W	400 - 3 - 50 / 460 - 3 - 60	496	1666	221

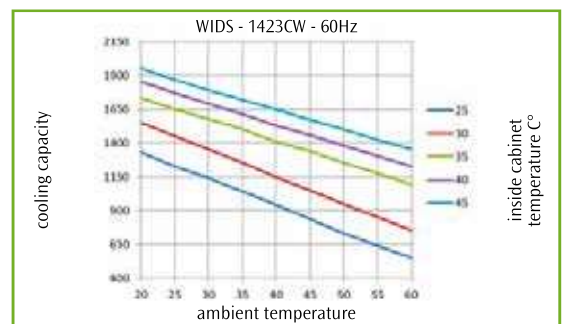
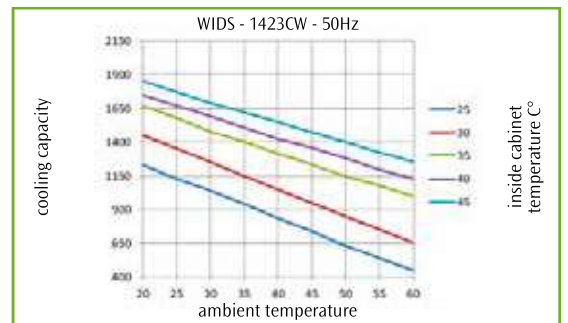
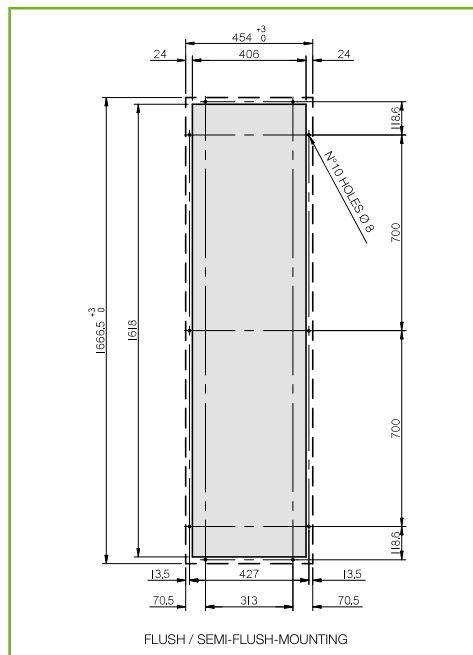
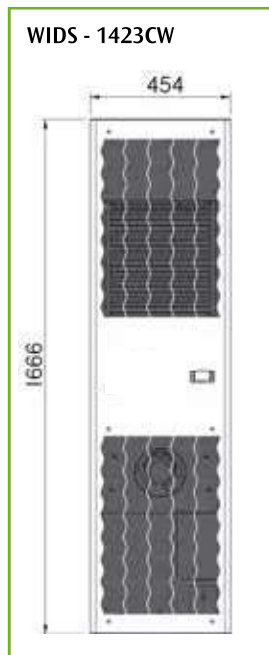
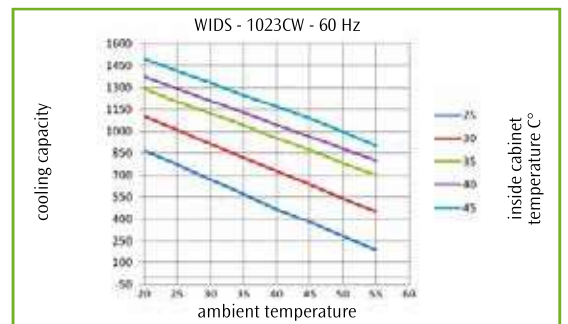
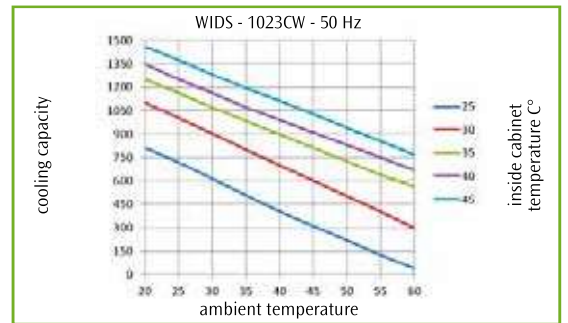
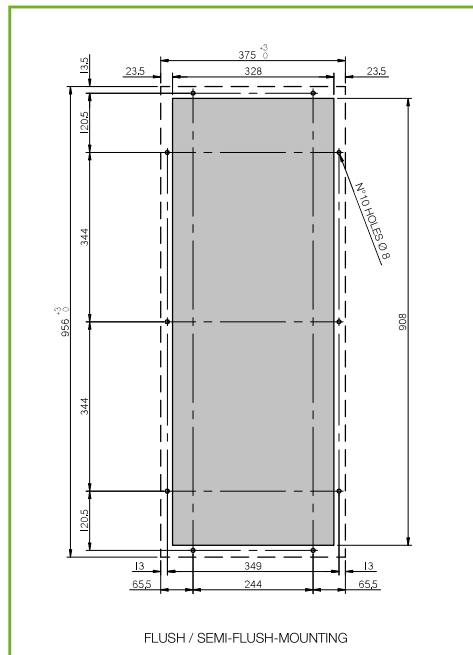
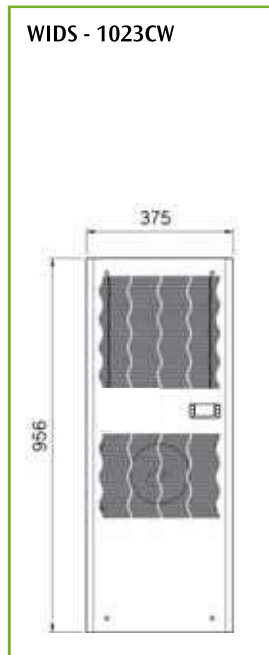
Thermal

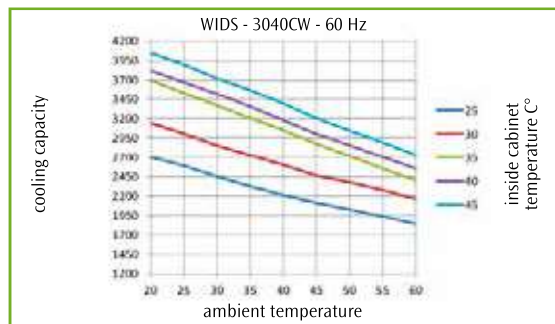
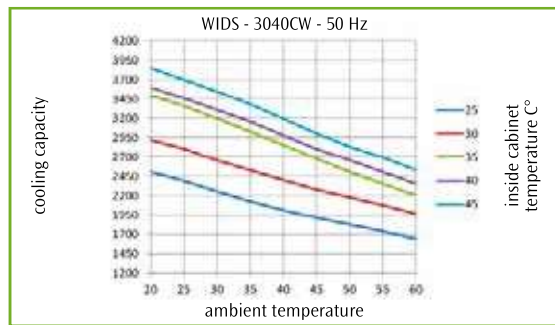
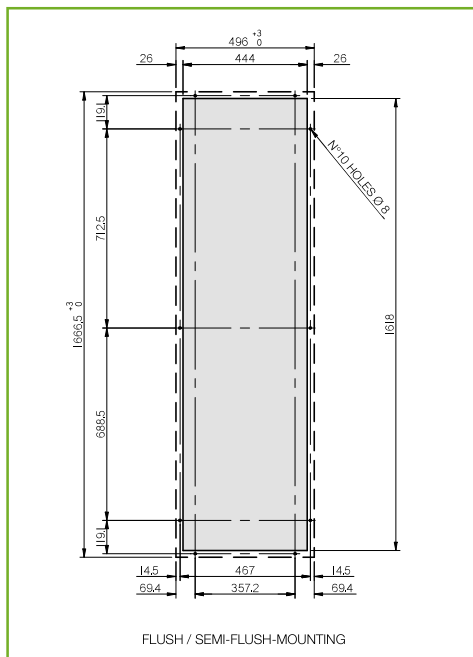
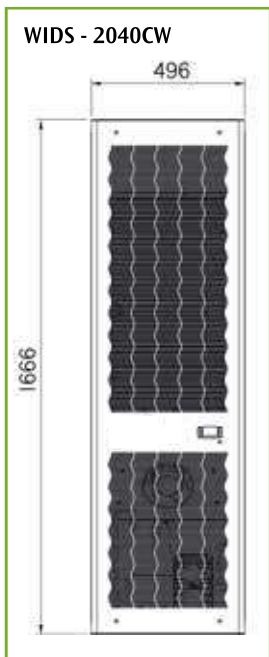
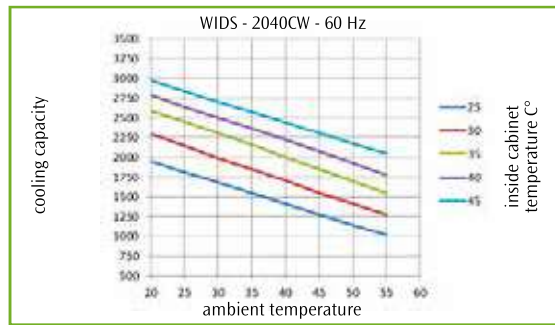
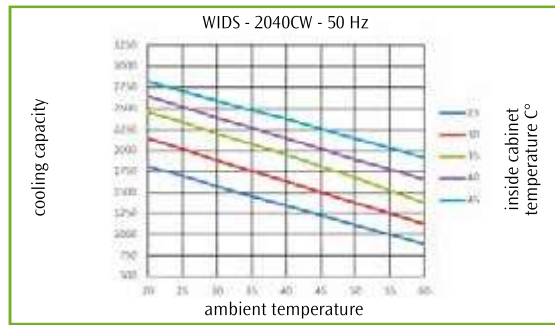
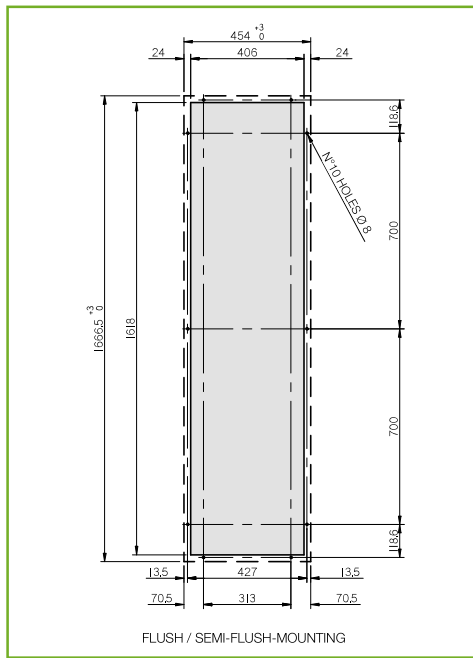
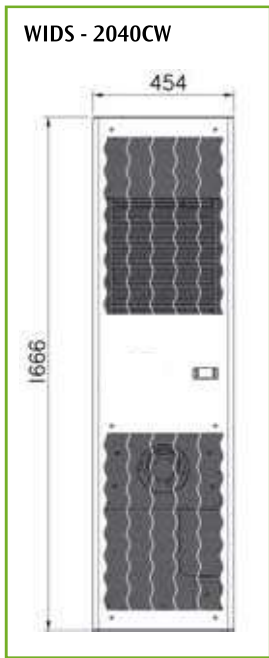
WIDS - 10



WIDS 14 - 20 - 30







EXTRA-SLIM AIR CONDITIONERS FOR DOOR MOUNTING

		WIDS-1023CW	WIDS-1423CW	WIDS-2040CW	WIDS-3040CW
RATED VOLTAGE	V.-	230	230	400,3	400,3
NOMINAL FREQUENCY	Hz	50 - 60	50 - 60	50	50
HEIGHT	mm	956	1666	1666	1666
WIDTH	mm	375	454	454	496
DEPTH	mm	196	181	181	221
COOLING CAPACITY L35L35*	W	1000 - 1050	1400 - 1500	2100	3050
COOLING CAPACITY L35L50*	W	720 - 800	1150 - 1250	1675	2500
POWER CONSUMPTION L35L35*	W	514 - 590	635 - 705	865	1085
POWER CONSUMPTION L35L50*	W	595 - 710	730 - 820	1020	1300
INTERNAL OPERATING TEMPERATURE	°C	25 - 45	20 - 60	20 - 60	20 - 60
EXTERNAL OPERATING TEMPERATURE	°C	20 - 60 / 20 - 55	25 - 45	25 - 45	25 - 45
PROTECTION RATING (CABINET SIDE)	IP/Type	54 / 12	54 / 12	54 / 12	54 / 12
EXTERNAL SOUND PRESSURE**	dB(A)	56	60	68	69

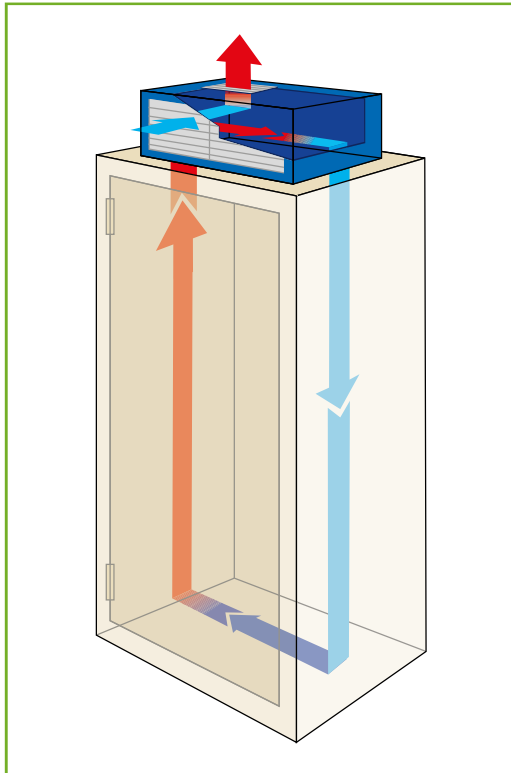
Data relating to units with Heat Pipe option

* DIN EN 14511

** EN ISO 9614



* Check the templates for further details



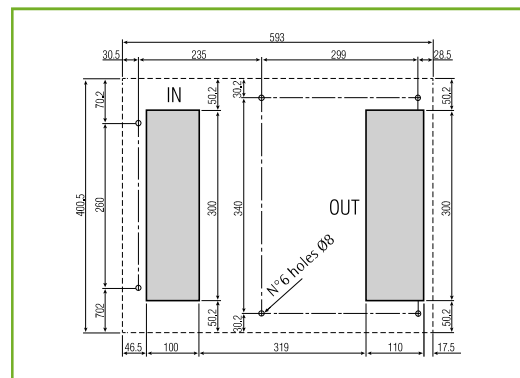
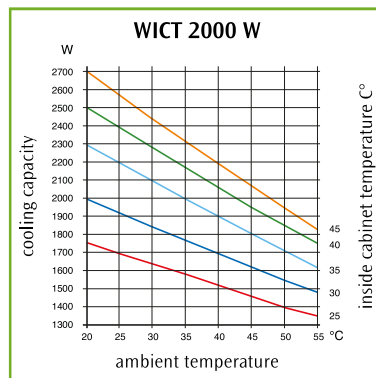
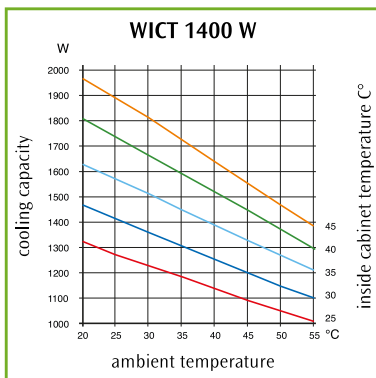
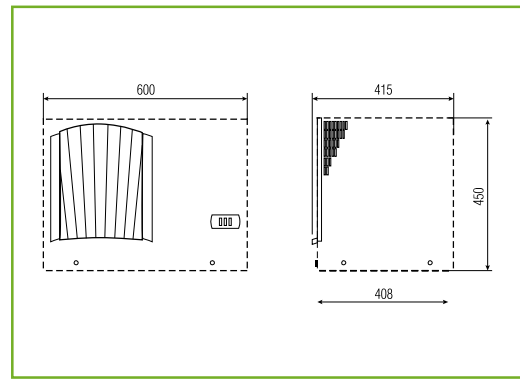
TECHNICAL FEATURES

- Top mounting air-conditioner
- Self cleaning condenser
- Anti-condensate hydrophilic evaporator
- Available in 5 sizes
- Cooling capacity: 330-5200W
- Condensate dissipating device from WICT-1423CW model
- Digital thermostat ECB (except 330W).

TOP MOUNTING AIR CONDITIONERS

WICT CODE	COOLING CAPACITY L35L35 DIN3168	POWER SUPPLY V-ph-Hz	DIMENSIONS			CERTIFICATIONS
			WIDTH	HEIGHT	DEPTH	
WICT3323CW	330 W	230-1-50/60	476	180	324	-
WICT3311CW	330 W	115-1-60	476	180	324	-
WICTU5023CW	600 W	230-1-50/60	600	335	325	cRUus
WICTU5011CW	600 W	115-1-60	600	335	325	cRUus
WICT6023CW	600 W	230-1-50/60	600	335	325	-
WICT6040CW	600 W	400-2-50 460-2-60	600	335	325	-
WICT9023CW	900 W	230-1-50/60	600	335	325	-
WICTU1023CW	900 W	230-1-50/60	600	335	325	cRUus
WICTU1011CW	900 W	115-1-60	600	335	325	cRUus
WICT1423CW	1400 W	230-1-50/60	600	450	400	-
WICTU1423CW*	1400 W	230-1-50/60	600	450	400	cRUus
WICT1440CW	1400 W	400-2-50 460-2-60	600	450	400	-
WICT2023CW*	2000 W	230-1-50/60	600	450	400	-
WICT2040CW	2000 W	400-2-50 460-2-60	600	450	400	-
WICT2723CW	2700 W	230-1-50/60	800	480	450	-
WICT2740CW	2700 W	400-3-50 460-3-60	800	480	450	-
WICT3823CW	3800 W	230-1-50/60	800	480	450	-
WICTU3823CW	3800 W	230-1-50/60	800	480	450	cRUus
WICT3840CW	3800 W	400-3-50 460-3-60	800	480	450	-
WICT5240CW	5200 W	400-3-50 460-3-60	800	550	600	-

* Item available on stock



TOP MOUNTING AIR CONDITIONERS WICT 1400 W

		WICT1423CW	WICTU1423CW	WICT1440CW
VOLTAGE/PHASE/FREQUENCY	V-ph-Hz	230-1 50/60	230-1 50/60	400-2-50 460-2-60
COOLING CAPACITY L35L35 - EN14511-2	W	1400	1400	1400
COOLING CAPACITY L35L50 - EN14511-2	W	1170	1170	1170
WIDTH/HEIGHT/DEPTH	MM	600x450x400	600x450x400	600x450x400
MAX. RUNNING CURRENT	A	5,2	5,5	2,8
STARTING CURRENT	A	17	17	31
PRE-FUSE T	A	8	8	10
POWER CONSUMPTION L35L50 - DIN 3168 W	W	950	950	950
SIDE CABINET FAN FLOW, FREE BLOWING	M ³ /h	575	575	575
REGULATION TEMPERATURE LIMITS	°C	25-45	25-45	25-45
SIDE AMBIENT TEMPERATURE LIMITS	°C	20-55	20-55	20-55
NOISE LEVEL	dB(A)	58	58	58
WEIGHT	kg	48	48	53
CERTIFICATIONS		-	cURus	-

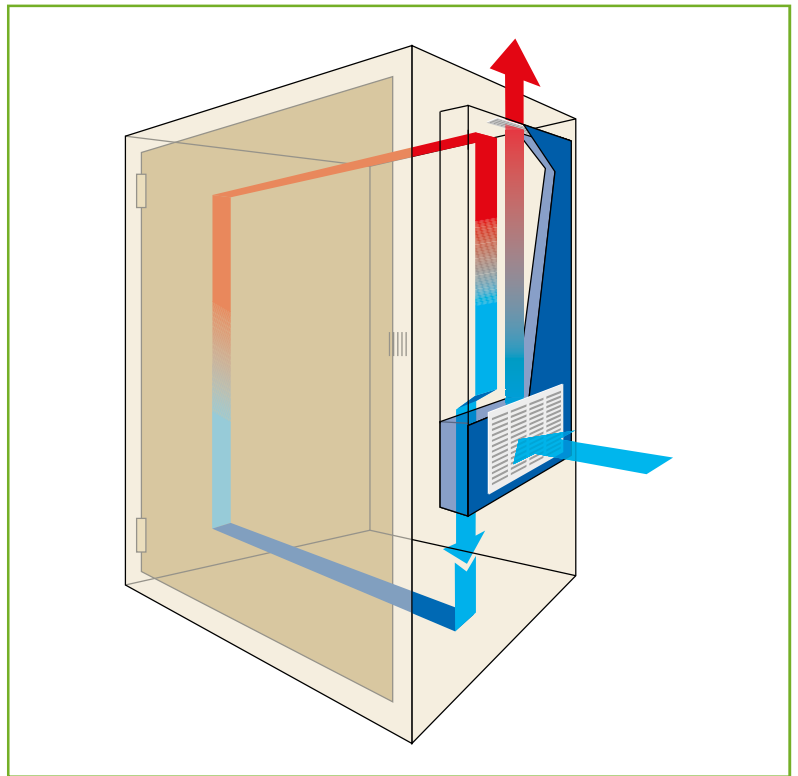
TOP MOUNTING AIR CONDITIONERS WICT 2000 W

		WICT2023CW	WICT2040CW
VOLTAGE/PHASE/FREQUENCY	V-ph-Hz	230-1 50/60	400-2-50 460-2-60
COOLING CAPACITY L35L35 - EN14511-2	W	2000	2000
COOLING CAPACITY L35L50 - EN14511-2	W	1700	1700
WIDTH/HEIGHT/DEPTH	MM	600x450x400	600x450x400
MAX. RUNNING CURRENT	A	5,7	3,3
STARTING CURRENT	A	22	31
PRE-FUSE T	A	8	10
POWER CONSUMPTION L35L50 - DIN 3168 W	W	1200	1200
SIDE CABINET FAN FLOW, FREE BLOWING	M ³ /h	860	860
REGULATION TEMPERATURE LIMITS	°C	25-45	25-45
SIDE AMBIENT TEMPERATURE LIMITS	°C	20-55	20-55
NOISE LEVEL	dB(A)	62	62
WEIGHT	kg	51,5	58,5



TECHNICAL FEATURES

- Designed for outdoor applications
- Cooling capacity: 500-4000W
- Electronic Board XCB + display (accessory)
- Condenser µchannel (from WICA16...)
- General alarm and remote control standard



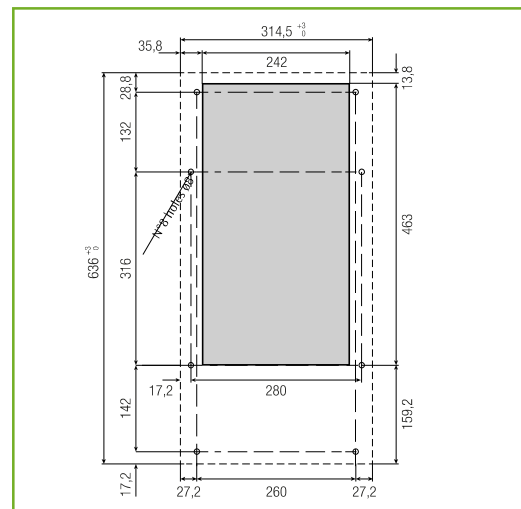
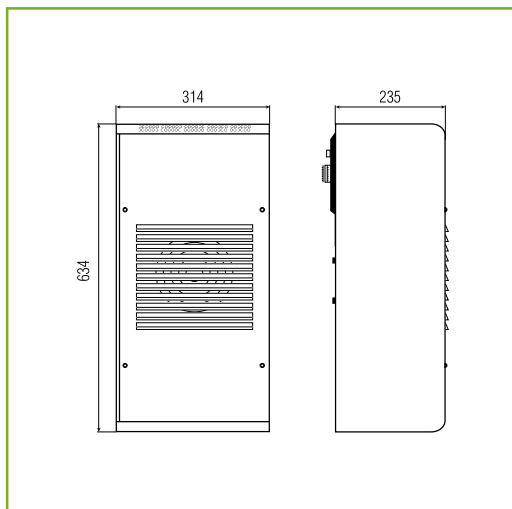
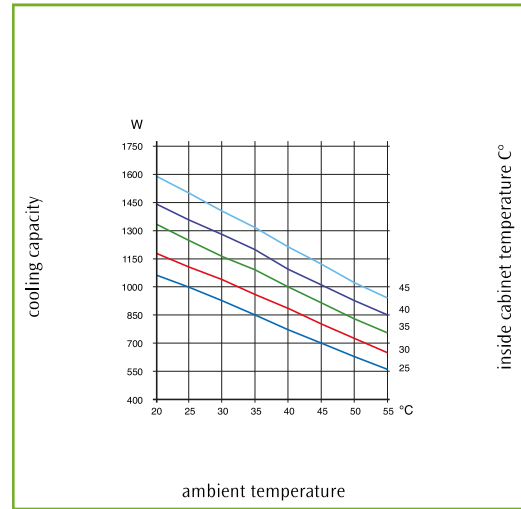
OUTDOOR AIR CONDITIONERS

WICA CODE	COOLING CAPACITY L35L35 EN14511-2	POWER SUPPLY V-ph-Hz	DIMENSIONS		
			WIDTH	HEIGHT	DEPTH
WICA9023CW	850-900W	230-1-50/60	314	634	235
WICA1623CW	1500-1600W	230-1-50/60	410	906	272
WICA2223CW	2100-2200W	230-1-50/60	409	999	286
WICA4123CW	4000-4100W	230-1-50/60	511	1211	356
WICA4040CW	3950-4050W	400-3-50 / 460-3-60	511	1211	356

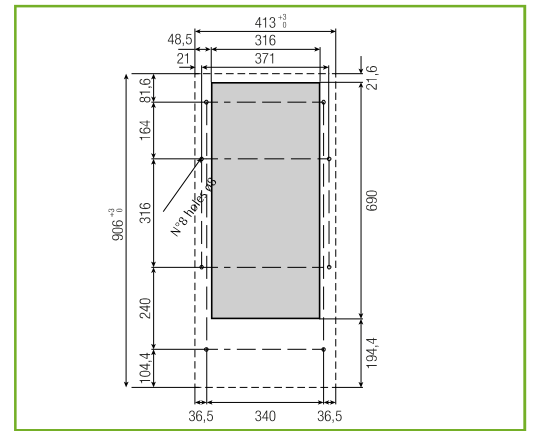
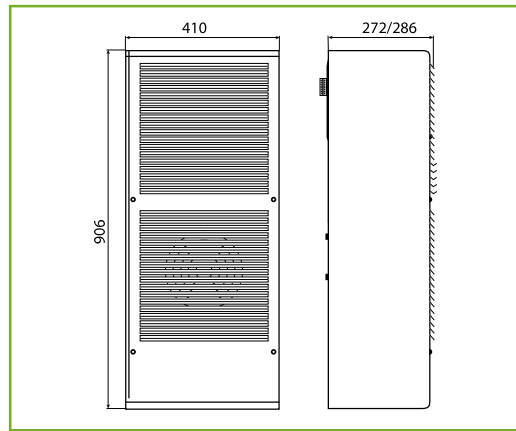
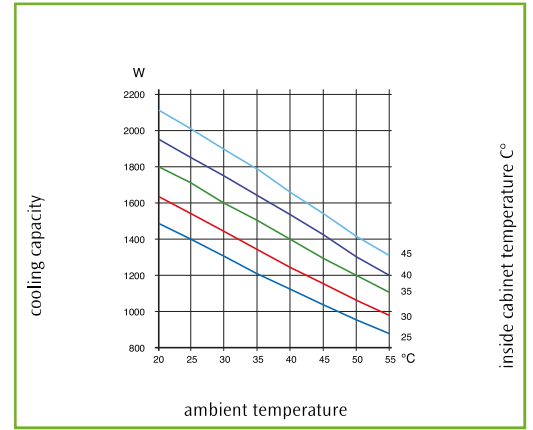
OUTDOOR AIR CONDITIONERS

		WICA9023CW	WICA1623CW	WICA2223CW	WICA4123CW	WICA4040CW
VOLTAGE/PHASE/FREQUENCY	V-ph-Hz	230-1-50/60	230-1-50/60	230-1-50/60	230-1-50/60	400-3-50 / 460-3-60
COOLING CAPACITY L35L35 - EN14511-2	W	850 - 900	1500 - 1600	2100 - 2200	4000 - 4100	3950 - 4050
COOLING CAPACITY L35L50 - EN14511-2	W	620 - 700	1200 - 1280	1750 - 1850	3000 - 3300	2960 - 3260
WIDTH/HEIGHT/DEPTH	mm	314x634x235	410x906x272	409x999x286	511x1211x356	511x1211x356
MAX. RUNNING CURRENT	A	2,6 - 2,7	3,9 / 4,3	4,8 / 5,5	8,2 / 9,4	2,9 / 4
STARTING CURRENT	A	20	28	34	42	25
PRE-FUSE T	A	6	8	10	16	8
POWER CONSUMPTION L35L50 - DIN 3168 W	W	420 - 600	750 - 825	1120 - 1240	1730 - 1950	1730 - 1950
SIDE CABINET FAN FLOW, FREE BLOWING	m3/h	3440 - 356	540 - 580	540 - 580	1180 - 1300	1180 - 1300
REGULATION TEMPERATURE LIMITS	°C	+25 / +45	+25 / +45	+25 / +45	+25 / +45	+25 / +45
SIDE AMBIENT TEMPERATURE LIMITS	°C	-20 / +55	-20 / +55	-20 / +55	-20 / +55	-20 / +55
PROTECTION RATING (CABINET SIDE)	IP/Type	54 / -	54 / -	54 / -	54 / -	54 / -
NOISE LEVEL	dB(A)	64	65	66	67	67
WEIGHT	kg	27	46	48	80	85

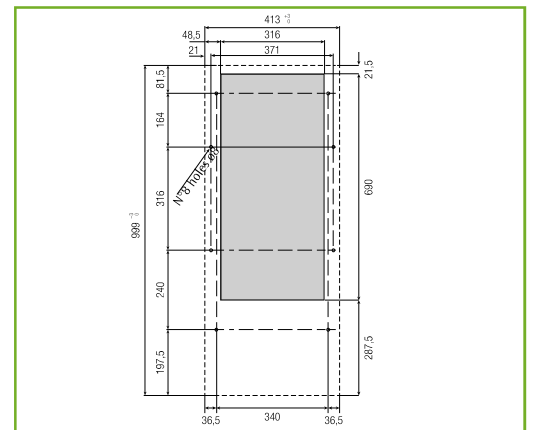
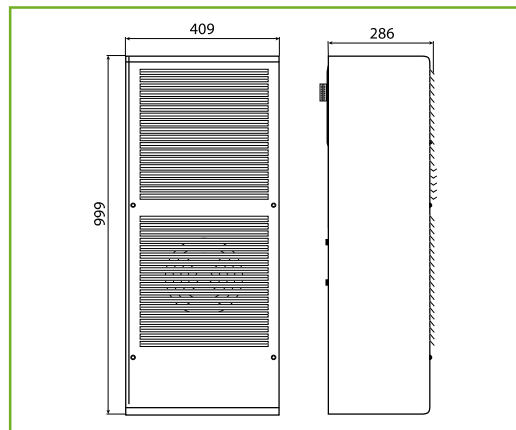
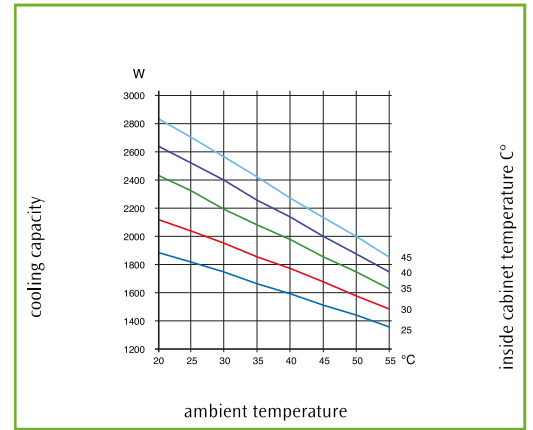
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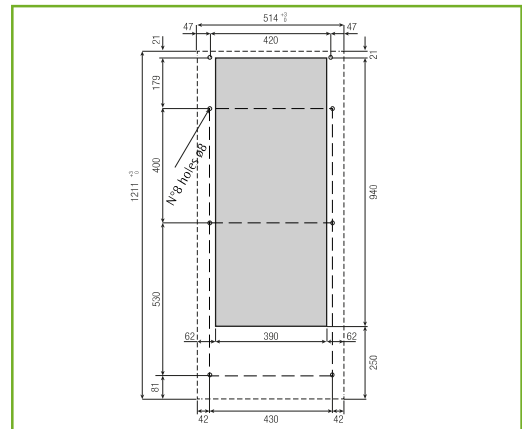
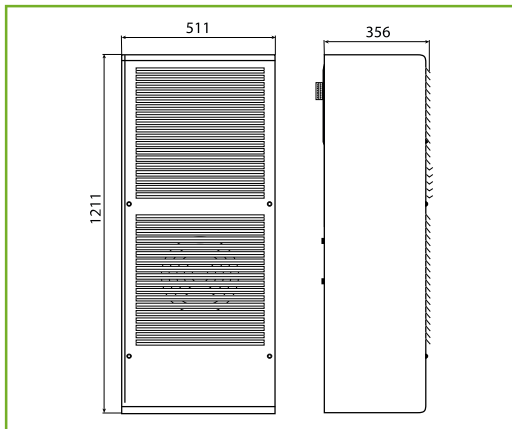
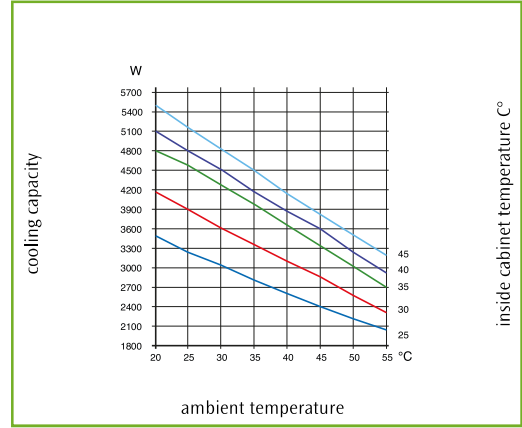
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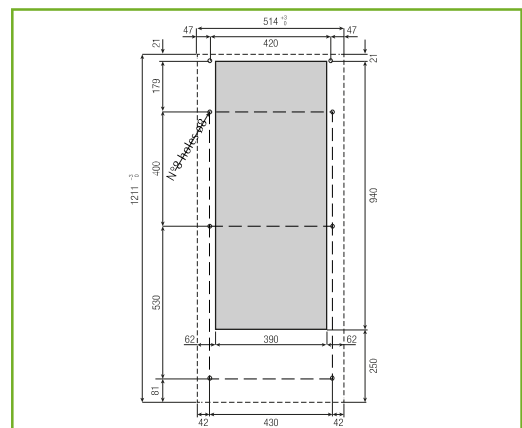
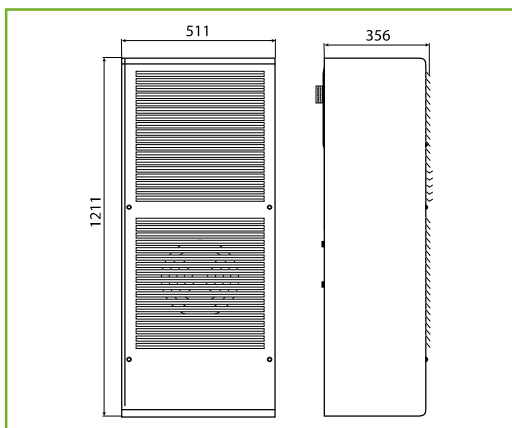
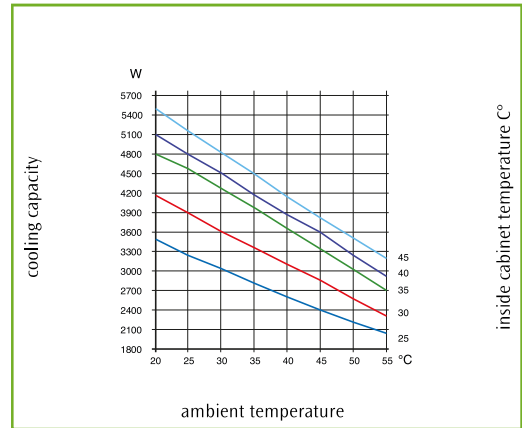
WICA2223CW



WICA4123CW



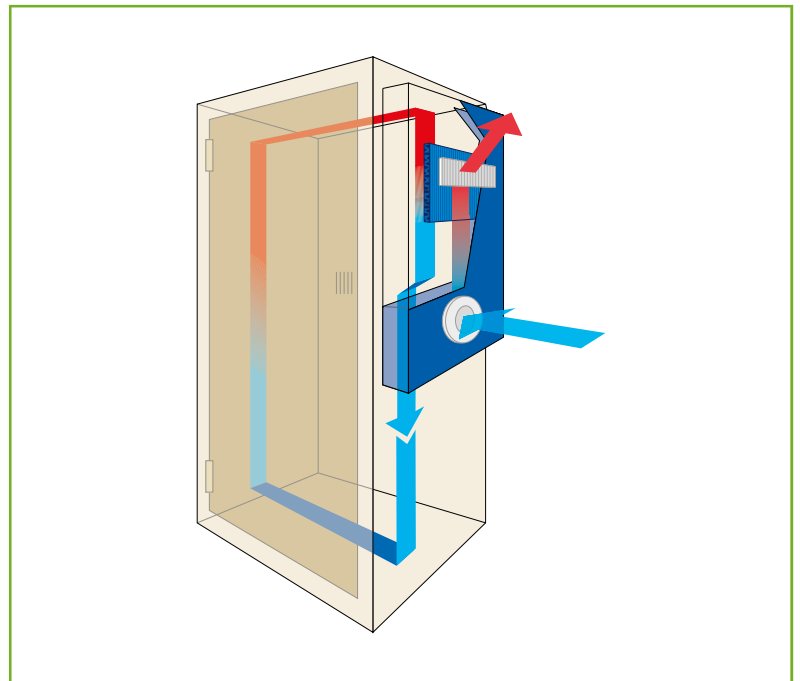
WICA4040CW





TECHNICAL FEATURES

- Available in 4 sizes
- Patented heat exchange core made of aluminium, to ensure high efficiency with compact dimensions
- Specific Heat Transmission 16-85 W/K



AIR-TO-AIR HEAT EXCHANGERS

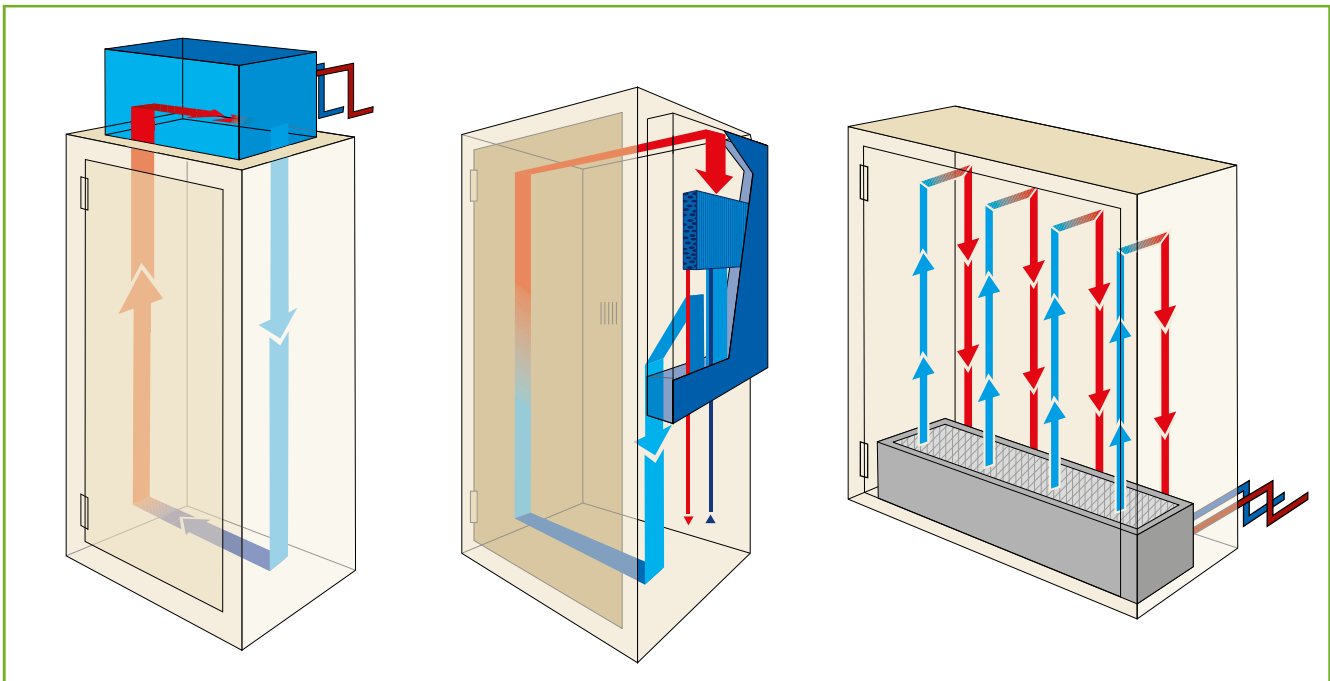
WISC CODE	SPECIFIC HEAT TRANSMISSION	POWER SUPPLY V-ph-Hz	DIMENSIONS			CERTIFICATIONS
			WIDTH	HEIGHT	DEPTH	
WISC1623CW	16 W/K	230-1-50/60	204	410	109	-
WISCU1611CW	16 W/K	115-1-60	204	410	109	cULus
WISC3523CW	35 W/K	230-1-50/60	254	780	90	-
WISCU3523CW	35 W/K	230-1-60	254	780	90	cULus
WISCU3511CW	35 W/K	115-1-60	254	780	90	cULus
WISC5023CW	50 W/K	230-1-50/60	312	780	90	-
WISCU5023CW	50 W/K	230-1-60	312	780	90	cULus
WISCU5011CW	50 W/K	115-1-60	312	780	90	cULus
WISC8023CW	80 W/K	230-1-50/60	311	1250	108	-
WISCU8023CW	80 W/K	230-1-60	311	1250	108	cULus
WISCU8011CW	80 W/K	115-1-60	311	1250	108	cULus
WISC8523CW	85 W/K	230-1-50/60	311	1250	108	-

Thermal



TECHNICAL FEATURES

- Available in 8 sizes
- Cooling capacity: 870-25000W
- 2 possibilities for mounting (wall or top mounting)



AIR-TO-WATER HEAT EXCHANGERS

CODICE WISW	SPECIFIC HEAT TRANSMISSION	POWER SUPPLY V-ph-Hz	DIMENSIONS			CERTIFICATIONS
			WIDTH	HEIGHT	DEPTH	
WISW87230CW	870 W	230-1-50/60	306	403	113	–
WISW87115CW	870 W	115-1-60	306	403	113	cULus
WISW220230CW	2200 W	230-1-50/60	402	916	206	–
WISW220115CW	2200 W	115-1-60	400	925	205	cULus
WISW220230CWH*	2200 W	230-1-50/60	800	200	400	–
WISW220115CWH*	2200 W	230-1-50/60	800	200	400	–
WISW310230CW	3100 W	230-1-50/60	402	916	206	–
WISW310115CW	3100 W	115-1-60	400	925	205	cULus
WISW670230CW	6700 W	230-1-50/60	503	1091	293	–
WISW1250230CW	12500 W	230-1-50/60	800	2000	400	–
WISW1250400CW	12500 W	400-2-50 440-2-60	800	2000	400	–
WISW1750400CW	17500 W	400-2-50 440-2-60	800	2000	600	–
WISW1750230CW	17500 W	230-1-50/60	800	2000	600	–
WISW2500230CW	25000 W	230-1-50/60	800	2000	600	–

* top mounting

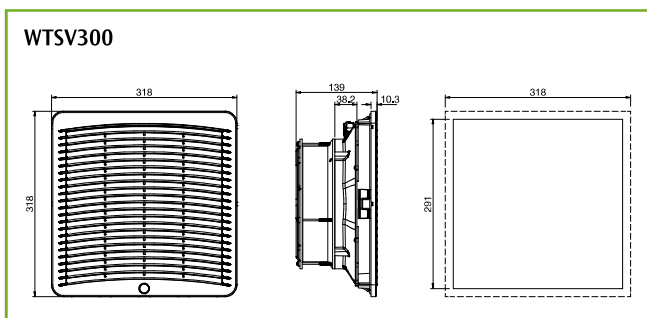
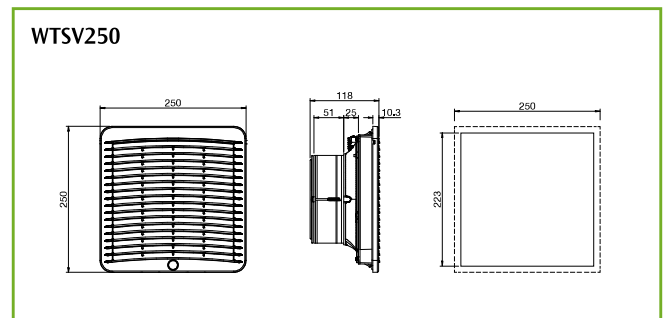
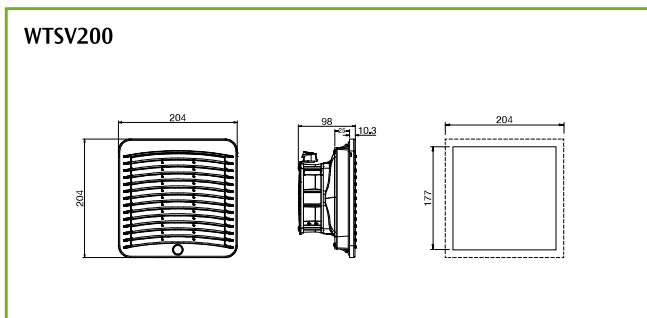
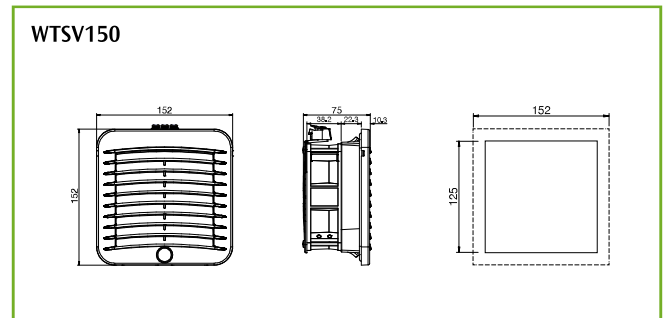
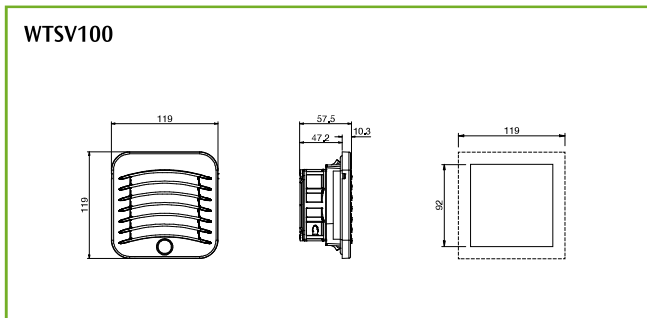


TECHNICAL FEATURES

- Easy maintenance and filter substitution
- Screwless
- Designed in ABS BLEND (RAL7035)
- Air Flow 35 - 850 m³/h
- Reversible air flow, push /pull
- MTBF: 40000 hours.

PROTECTION RATING:

- IP54
- Nema 12.



FILTER FAN

CODE	FAN FLOW m ³ /h	VOLTAGE V-ph-Hz	DIMENSIONS (mm)			COMPATIBLE WITH FILTER GRID
			HEIGHT	WIDTH	DEPTH	
WTSV1000220	35	230 - 1 - 50/60	119	119	57,5	WTSG10
WTSV1500220	67	230 - 1 - 50/60	152	152	75	WTSG15
WTSV2000220	108	230 - 1 - 50/60	204	204	98	WTSG20
WTSV2500220	190	230 - 1 - 50/60	250	250	118	WTSG25
WTSV2501220*	270	230 - 1 - 50/60	250	250	99	WTSG25
WTSV3000220	500	230 - 1 - 50/60	318	318	139	WTSG30
WTSV3001220*	700	230 - 1 - 50/60	318	318	135	WTSG30
WTSV3002220*	850	230 - 1 - 50/60	318	318	160,5	WTSG30
WTSV1000203	35	115 - 1 - 50/60	119	119	57,5	WTSG10
WTSV1500203	67	115 - 1 - 50/60	152	152	75	WTSG15
WTSV2000203	108	115 - 1 - 50/60	204	204	98	WTSG20
WTSV2500203	190	115 - 1 - 50/60	250	250	118	WTSG25
WTSV2501203*	270	115 - 1 - 50/60	250	250	99	WTSG25
WTSV3000203	500	115 - 1 - 50/60	318	318	139	WTSG30
WTSV3001203*	700	115 - 1 - 50/60	318	318	135	WTSG30
WTSV3002203*	850	115 - 1 - 50/60	318	318	160,5	WTSG30
WTSV1000211*	50	24 VDC	119	119	57,5	WTSG10
WTSV1500211*	67	24 VDC	152	152	75	WTSG15
WTSV2000211*	108	24 VDC	204	204	98	WTSG20
WTSV2500211*	230	24 VDC	250	250	118	WTSG25
WTSV3002262*	850	400 -3 - 50 / 460 - 3 - 60	318	318	160,5	WTSG30

* Available on request

FILTER GRID

CODE	DIMENSIONS (mm)			COMPATIBLE WITH FILTER FAN
	HEIGHT	WIDTH	DEPTH	
WTSG10	119	119	28,5	WTSV1000220 - WTSV1000203 WTSV1000211
WTSG15	152	152	32,5	WTSV1500220 - WTSV1500203 WTSV1500211
WTSG20	204	204	33,5	WTSV2000220 - WTSV2000203 WTSV2000211
WTSG25	250	250	47,5	WTSV2500220 - WTSV2501220 WTSV2500203 - WTSV2501203 WTSV2500211
WTSG30	318	318	34	WTSV3000220 - WTSV3001220 WTSV3002220 - WTSV3000203 WTSV3001203 - WTSV3002203 WTSV3002262



STANDARD AIR FILTERS

- Material: chemical fibers
- Weight 200 g/m²
- Thickness 14 mm
- Dust holding capacity 600 g/m²
- Supply includes 10 pieces.

AIR FILTERS (10 pcs)

CODE	COMPATIBLE WITH FILTER GRID
WTFSG10	WTSG10
WTFSG15	WTSG15
WTFSG20	WTSG20
WTFSG25	WTSG25
WTFSG30	WTSG30

Thermal

WTSV1000	M.U	WTSV1000220		WTSV1000203		WTSV1000211	
Rated voltage	V	230,1		115,1		24VDC	
Nominal frequency	Hz	50	60	50	60	-	
Fan flow without filter grid	m ³ / h	35		35		50	
Fan flow with filter grid	m ³ / h	24 / 27		24 / 27		32 / 38	
Power absorbed	W	4,6	4,5	3,6	2,86	6,1	
Absorbed current	A	0,21	0,205	0,22	0,175	0,265	
Pre-fuse T	A	0,5		0,5		0,5	
Internal operating temperature *	°C	-10 / +70		-10 / +70		-10 / +70	
External sound pressure	dB (A)	33		33		53	
Height x Width x Depth	mm	119 x 119 x 57,5		119 x 119 x 57,5		119 x 119 x 57,5	

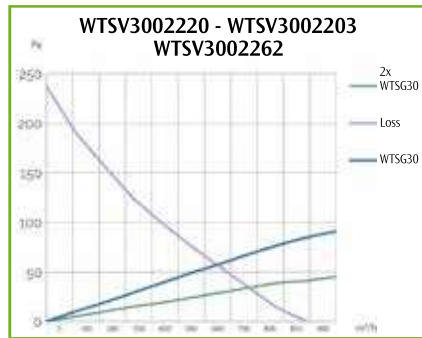
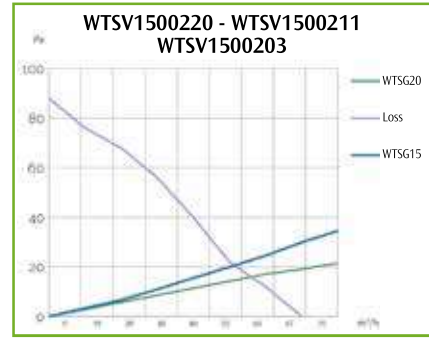
WTSV1500	M.U	WTSV1500220		WTSV1500203		WTSV1500211	
Rated voltage	V	230,1		115,1		24VDC	
Nominal frequency	Hz	50	60	50	60	-	
Fan flow without filter grid	m ³ / h	67		67		67	
Fan flow with filter grid	m ³ / h	50 / 58		50 / 58		50 / 58	
Power absorbed	W	22	22	22	25	8,1	
Absorbed current	A	0,14	0,14	0,26	0,3	0,335	
Pre-fuse T	A	0,5		0,5		1	
Internal operating temperature *	°C	-10 / +70		-10 / +70		-10 / +70	
External sound pressure	dB (A)	49		49		48	
Height x Width x Depth	mm	152 x 152 x 75		152 x 152 x 75		152 x 152 x 75	

WTSV2000	M.U	WTSV2000220		WTSV2000203		WTSV2000211	
Rated voltage	V	230,1		115,1		24VDC	
Nominal frequency	Hz	50	60	50	60	-	
Fan flow without filter grid	m ³ / h	108		108		108	
Fan flow with filter grid	m ³ / h	75 / 88		75 / 88		75 / 88	
Power absorbed	W	22	22	22	24,5	8,1	
Absorbed current	A	0,14	0,14	0,26	0,29	0,335	
Pre-fuse T	A	0,5		0,5		1	
Internal operating temperature *	°C	-10 / +70		-10 / +70		-10 / +70	
External sound pressure	dB (A)	49		49		48	
Height x Width x Depth	mm	204 x 204 x 98		204 x 204 x 98		204 x 204 x 98	

WTSV2500	M.U	WTSV2500220		WTSV2500203		WTSV2500211		WTSV2501220	
Rated voltage	V	230,1		115,1		24VDC		230,1	
Nominal frequency	Hz	50	60	50	60	-		50	60
Fan flow without filter grid	m ³ / h	190		190		230		270	
Fan flow with filter grid	m ³ / h	130 / 160		130 / 160		190 / 210		200 / 220	
Power absorbed	W	25	70	39	38	26,6	50	66	
Absorbed current	A	0,11	0,31	0,59	0,575	0,86	0,25	0,33	
Pre-fuse T	A	0,5		1		1,5		0,5	
Internal operating temperature *	°C	-10 / +70		-10 / +70		-10 / +70		-10 / +70	
External sound pressure	dB (A)	55		55		59		62	
Height x Width x Depth	mm	250 x 250 x 118		250 x 250 x 118		250 x 250 x 118		250 x 250 x 118	

WTSV3000	M.U	WTSV3000220		WTSV3000203		WTSV3001220		WTSV3001203	
Rated voltage	V	230,1		115,1		230,1		115,1	
Nominal frequency	Hz	50	60	50	60	50	60	50	60
Fan flow without filter grid	m ³ / h	500		500		700		700	
Fan flow with filter grid	m ³ / h	380 / 450		380 / 450		600 / 670		600 / 670	
Power absorbed	W	50	63	50	72	115	173	125	170
Absorbed current	A	0,25	0,315	0,42	0,61	0,51	0,77	1,1	1,5
Pre-fuse T	A	0,5		1		1		2	
Internal operating temperature *	°C	-10 / +60		-10 / +60		-10 / +60		-10 / +60	
External sound pressure	dB (A)	62		62		65		68	
Height x Width x Depth	mm	318 x 318 x 139		318 x 318 x 13		318 x 318 x 135		318 x 318 x 135	

* +55°C UL



WTSV2501203	
115,1	
50	60
270	
200 / 220	
50	75
0,42	0,63
1	
-10 / +70	
62	
250 x 250 x 118	

WTSV3002220		WTSV3002203		WTSV3002262	
230,1		115,1		400,3	460,3
50	60	50	60	50	60
850		850		850	
620 / 670		620 / 700		620 / 700	
142	182	115	196	115	204
0,63	0,81	1,02	1,24	0,23	0,355
1,5		2		1	
-10 / +60		-10 / +60		-10 / +60	
65		71		65	
318 x 318 x 160,5		318 x 318 x 160,5		318 x 318 x 160,5	



**VENTILATION/FILTERS
SHROUD KIT IP56
WTCV**

Cfr. pages 68 and 222.



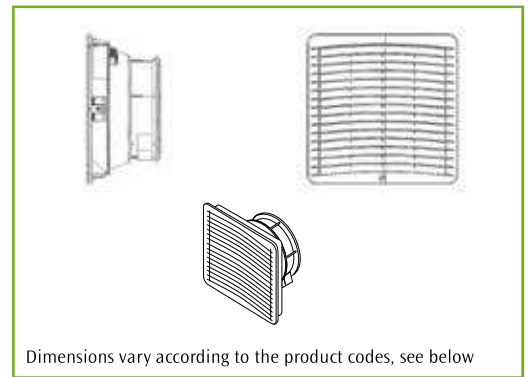
These ventilation systems ensure protection from electromagnetic interference through the combined use of a special paint and a metal net on the conductive sealing grid.

TECHNICAL FEATURES

- screwless
- designed in ABS BLEND (RAL 7035)
- air flow 35 – 990 m³/h
- reversible air flow, push/pull
- easy maintenance and filter substitution
- electrical connections with springs terminals
- MBTF: 40000 hours.

PROTECTION RATING

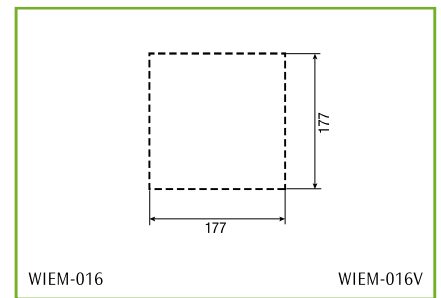
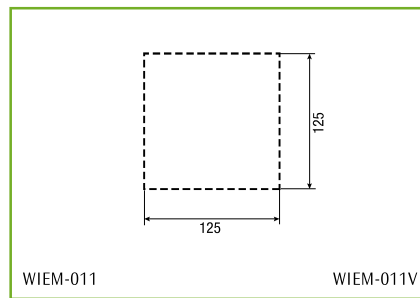
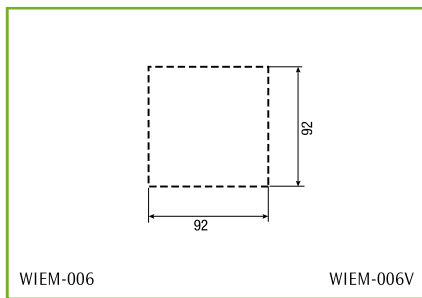
IP54.



Dimensions vary according to the product codes, see below

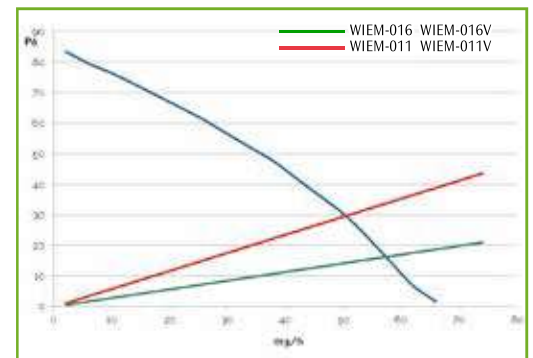
EMC FILTERING GRIDS

WIEM CODE	DIMENSIONS	
	WIDTH	HEIGHT
WIEM-031	119	119
WIEM-036	152	152
WIEM-041	204	204



EMC FANS

		WIEM-006	WIEM-006V	WIEM-011	WIEM-011V	WIEM-016	WIEM-016V
VOLTAGE/PHASE/FREQUENCY	V-ph-Hz	230-1-50/60	115/1-50/60	230-1-50/60	115/1-50/60	230-1-50/60	115/1-50/60
WIDTH/HEIGHT/DEPTH	MM	119x119x101	119x119x101	152x152x89	152x152x89	204x204x121,5	204x204x121,5
POWER CONSUMPTION L35L50-DIN 3168	W/A	13/0,07	13/0,13	22/0,14	22/0,26	22/0,14	22/0,26
PRE-FUSE T	A	0,5	1	0,5	1	0,5	1
TEMPERATURE LIMITS	°C	- 10 / + 60	- 10 / + 60	- 10 / + 60	- 10 / + 60	- 10 / + 60	- 10 / + 60
NOISE LEVEL	dB(A)	35	35	49	49	49	49
FAN FLOW	M ³ /h	35	35	67	67	108	108
FAN FLOW + FILTER	M ³ /h	24/27	24/27	50/58	50/58	75/88	75/88



Thermal

ROOF MOUNTING FAN WA250B/WA250VB

Structure, roof and fan ventilator manufactured from sheet steel.

PAINT FINISH

ETA standard finishing cycle: paint-based primer with deposition by cataphoresis with epoxy resin and finishing using thermosetting powders. Colour: RAL 7035 textured finish.

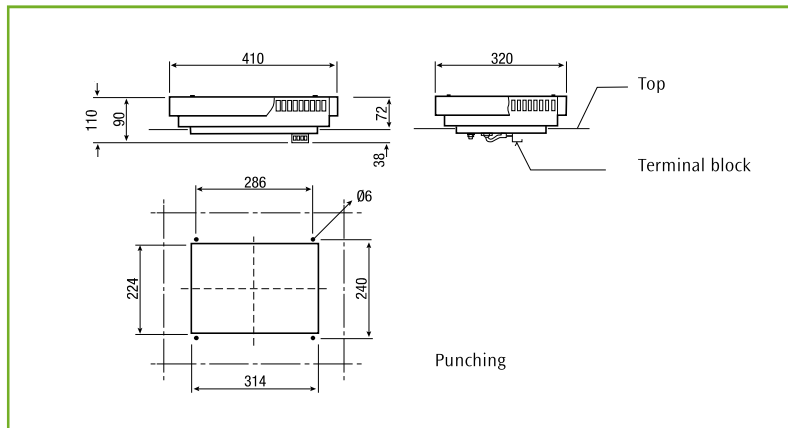


PROTECTION RATING

IP23

SUPPLY

- structure, roof and fan support with sealing gasket and mounting accessories
- radial fan
- finger guard
- capacitor
- terminal block.



ROOF MOUNTING FAN

WA CODE	NOMINAL V/Hz	POWER W	AIR FLOW m ³ /H	MAX HEAD Pa	CONDENSER	NOISE dB(A)
WA250B	220/50-60	75	550	320	2	62
WA250VB	110/50-60	75	550	320	2	62



SHROUD FOR ROOF MOUNTING FAN WA255B

Structure and roof manufactured from sheet steel.

PAINT FINISH

ETA standard finishing cycle: paint-based primer with deposition by cataphoresis with epoxy resin and finishing using thermosetting powders. Colour: RAL 7035 textured finish.



PROTECTION RATING

IP23.

SUPPLY

- structure and roof with sealing gasket
- mounting accessories.



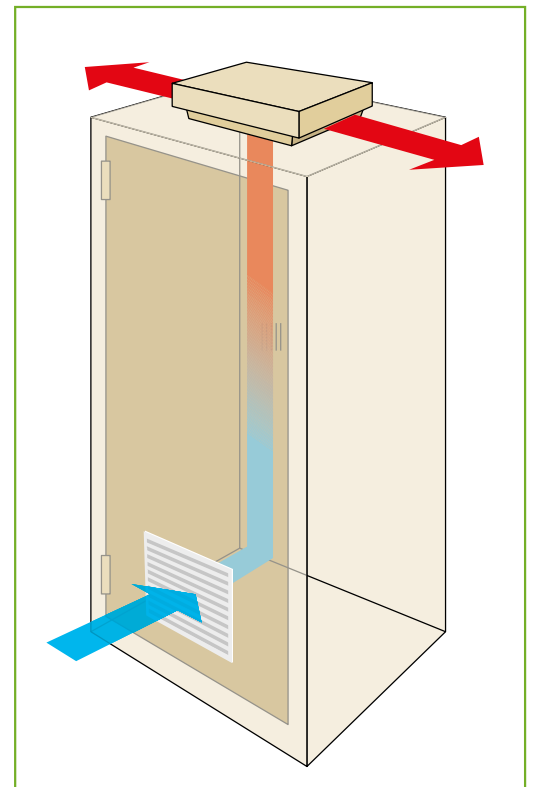


GENERAL CHARACTERISTICS

- Plastic base and sheet cover
- Fastening system without screws
- Air flow: 500 ... 1870 m³/h
- Solution available without fan
- Protection rating: IP43/Type1
- MTBF: 40,000 hours
- Radial fans with high external static pressure
- Other models (including IP54) available upon request.

NATURAL EXHAUST WITHOUT FANS			
		WITA190CW	WITA250CW
WIDTH/HEIGHT/DEPTH	MM	395x395x108	490x490x188
INTERNAL OPERATING TEMPERATURES	°C	-40/+60	-40/+60

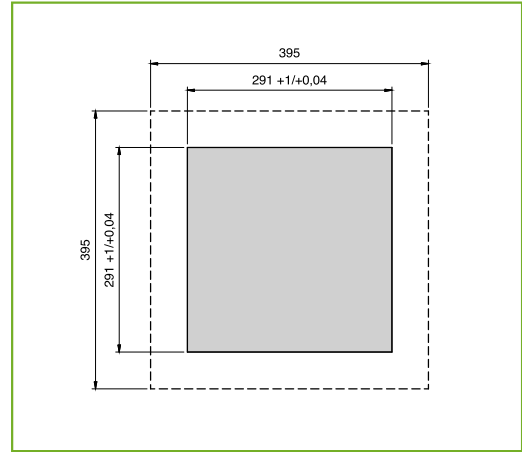
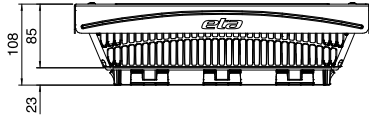
CODE COMPARISON		
NEW CODE	OLD CODE	GRID (GSF)
WITV1922CW	WT200CW	1 x GSF30
WITV1923CW	WT200VCW	1 x GSF30
WITV8623CW	WT205CW	1 x GSF30
WITV8611CW	WT205VCW	1 x GSF30
WITV1423CW	WT210CW	2 x GSF30
WITV2311CW	WT215CW	2 x GSF30



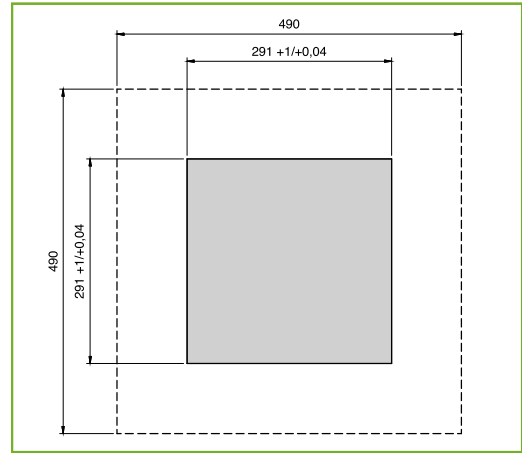
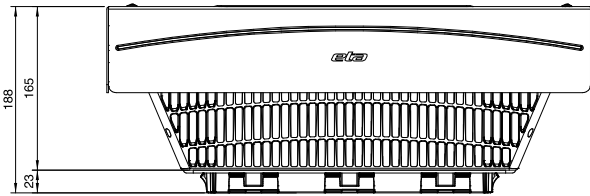
FORCED EXHAUST FANS							
		WITV1922CW	WITV1923CW	WITV8623CW	WITV8611CW	WITV1423CW	WITV2311CW
VOLTAGE/PHASE/FREQUENCY	V-ph-Hz	230-1-50/60	115-1-50/60	230-1-50/60	115-1-50/60	230-1-50/60	230-1-50/60
WIDTH/HEIGHT/DEPTH	MM	395x395x112	395x395x112	395x395x112	395x395x112	490x490x191	490x490x191
FAN AIR FLOW, FREE VENT	M ³ /h	540/575	555	800/810	785	1425/1520	1870
FAN AIR FLOW	M ³ /h	460/495	475	615/625	600	1310/1405	1520
ABSORBED POWER	W	52/65	70	88/116	108	230/340	168
ABSORBED CURRENT	A	0,21/0,29	0,61	0,37/0,49	0,9	0,85/1,15	1,4/1,4
T FUSES	A	1	2	1	2	2	2
INTERNAL OPERATING TEMPERATURES	°C	-25/+55	-25/+55	-25/+55	-25/+55	-25/+55	-25/+55
NOISE	dB(A)	80	80	80	80	82	82

Thermal

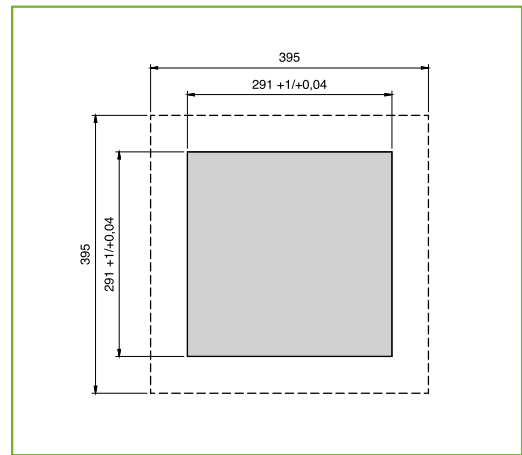
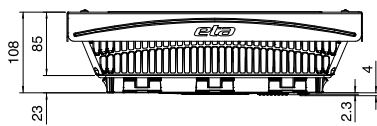
WITA190CW



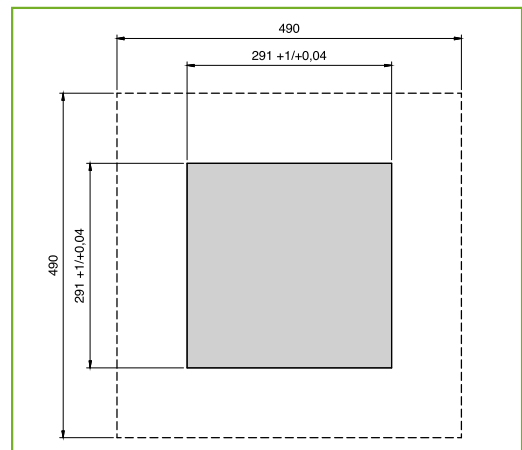
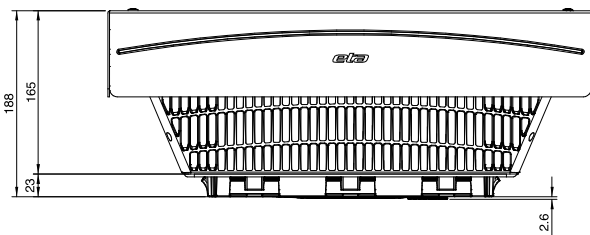
WITA250CW



WITV1922CW - WITV1923CW - WITV8623CW - WITV8611CW



WITV1423CW - WITV2311CW





In order to choose the most suitable heating element, please refer to the Technical section on page 363.



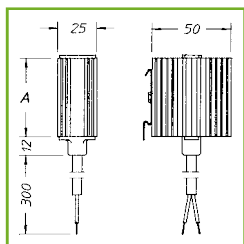
HEATING ELEMENT WI271 WI273 WI274



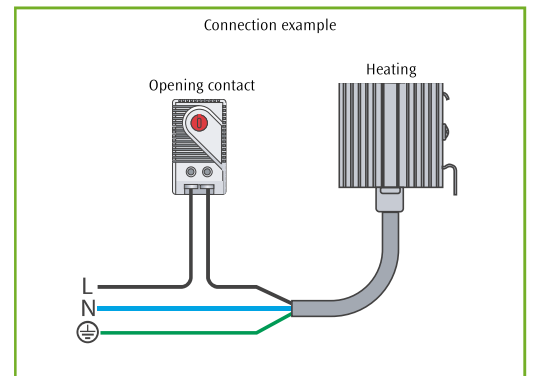
HEATING ELEMENT
PTC (semiconductor).

PROTECTION RATING
IP44.

PROTECTION CLASS
I (protection wire to earth).



HEATER			
WI CODE	POWER WATT	TENSION V AC/DC	DIM. A
WI271	10	120/240	52
WI273	20	120/240	60
WI274	30	120/240	70



HEATING ELEMENT WI250 WI255 WI260 WI265 WI270

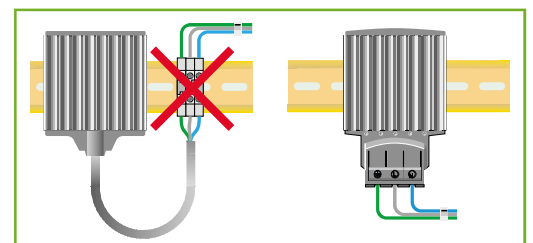
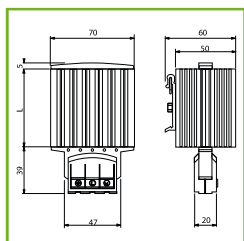


HEATING ELEMENT
PTC (semiconductor).

PROTECTION RATING
IP20.

PROTECTION CLASS
I (protection wire to earth).

Supply does not include the cable.



HEATER			
WI CODE	POWER WATT	TENSION V AC/DC	DIM. A
WI250	15	120/240	65
WI255	30	120/240	65
WI260	45	120/240	65
WI265	75	120/240	140
WI270	150	120/240	220

Thermal

HEATING ELEMENT WI277 WI279



TECHNICAL FEATURES

Air flow: 45 m³/h (50 Hz) and/or 54 m³/h (60 Hz).
 Surface temperature: Max 75°C.
 Time capacity: 50.000 hours to 25°C.

PROTECTION RATING
 IP20.

PROTECTION CLASS
 I (protection wire to earth).

HEATER			
WI CODE	POWER WATT	TENSION V AC	DIM. A
WI277	250	230/50-60	182
WI279	400	230/50-60	222

HEATER WITH FAN AND THERMOSTAT WIRV



HEATER
 PTC (semiconductor).

TEMPERATURE ADJUSTMENT
 0-60°.

PROTECTION RATING
 IP20.

PROTECTION CLASS
 I (double insulation).

HEATER			
WIRV CODE	POWER WATT	TENSION V AC	AIR FLOW m ³ /h
WIRV-010	475 W (50 Hz) - 550 W (60 Hz)	230 V AC 50/60 Hz	35
WIRV-010V	400 W (50 Hz) - 550 W (60 Hz)	110 V AC 50/60 Hz	35
WIRV-020	550 W (50 Hz) - 550 W (60 Hz)	230 V AC 50/60 Hz	45
WIRV-020V	510 W (50 Hz) - 550 W (60 Hz)	110 V AC 50/60 Hz	45



Technical drawings showing dimensions: 100mm width, 160mm and 165mm heights, 124mm and 128mm heights, and 100mm width for the fan section. Arrows indicate airflow direction.



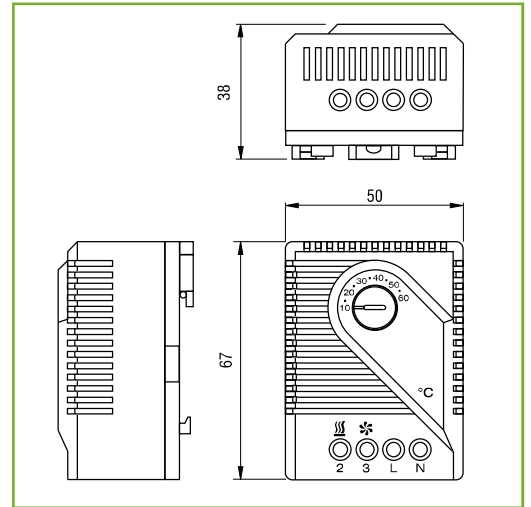
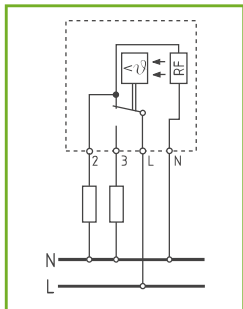
TEMPERATURE REGULATOR W1280



TECHNICAL FEATURES

Voltage: 230 V AC
 Adjustment range: +5 +60°C
 Contact capacity:
 • close 5A/250 V AC
 • open 10A/250 V AC
 Connections 2,5 mm² 4 poles
 Fixing: clip fixing on 35 mm DIN rails
 Housing: UL 94 V0 thermoplastic material
 Dimensions: 67 x 50 x 38 mm.

PROTECTION RATING
 IP20.



ELECTRONIC TEMPERATURE/HUMIDITY CONTROLLER W1290

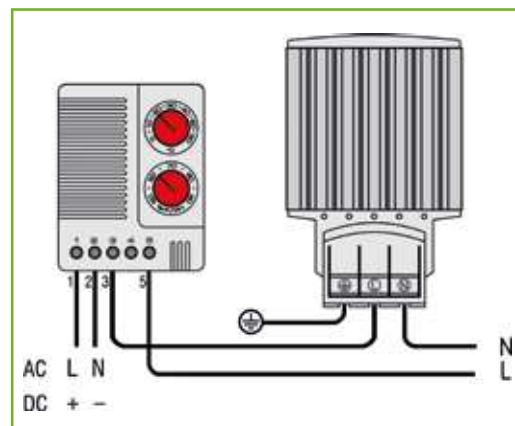
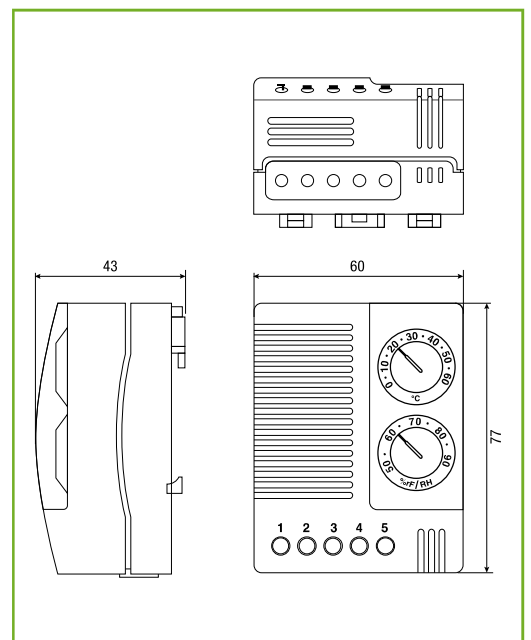
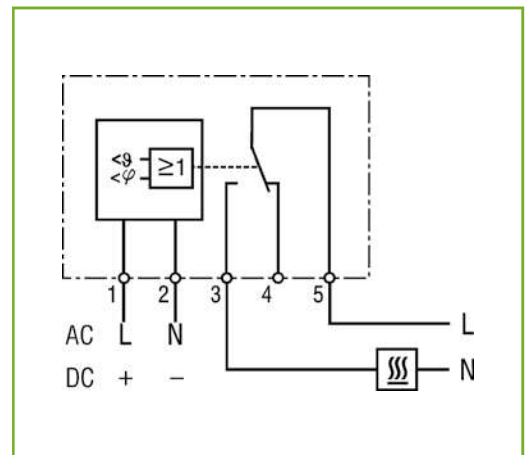


TECHNICAL FEATURES

Voltage: 100 – 240 V AC
 Temperature regulation: 0° ÷ 60°C
 Intervention sensitivity: + 2°C
 Respective humidity regulation: 50% ÷ 90%
 Response time: about 5 sec
 Contact capacity: Max: 240 V 10 A
 ON indicator: LED
 Fixing: clip fixing on 35 mm DIN rail
 Dimensions: 60 x 77 x 43 mm
 Housing: UL 94 V0 thermoplastic material.

PROTECTION RATING
 IP20

* Available upon request: 120V version



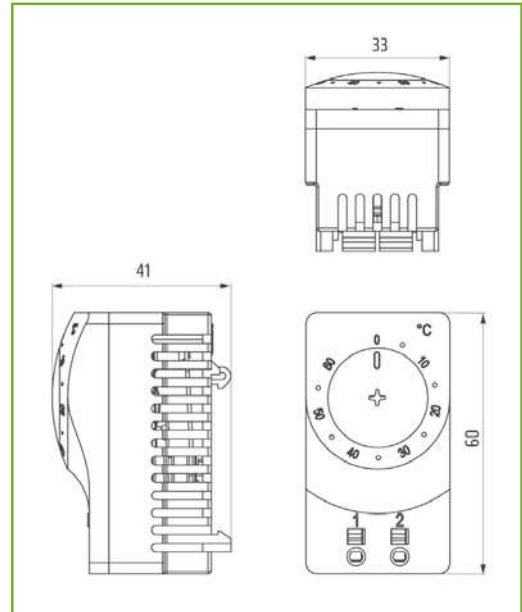


TECHNICAL FEATURES

Switch hysteresis: 7 K (tolerance ± 4 K)
 Probe: bimetallic
 Contact type: trigger
 Working life: 100,000 cycles ensured
 Max. working voltage and frequency range: AC 250 V, 50-60 HZ
 Max. ignition current: AC 16 A for 10 sec.
 Connection: 2 Push-In terminals
 Solid wire 2.5 mm² (AWG 14)
 Flexible wire 1.5 mm² (AWG 16)
 Coupling: clip for DIN 35 mm, EN 60715
 Housing: UL94 V-0 plastic, bright grey
 Dimensions: 60 x 33 x 41 mm
 Weight: approximately 40 g
 Mounting position: any
 Operating/storage ambient temperature:
 -45 °C ... +80 °C (-49 °F ... +176 °F)
 Operating/storage ambient humidity:
 max. 90% RH (without condensation)
 Over voltage category/Altitude: II: up to 5,000 m; III: up to 2,000 m

PROTECTION RATING

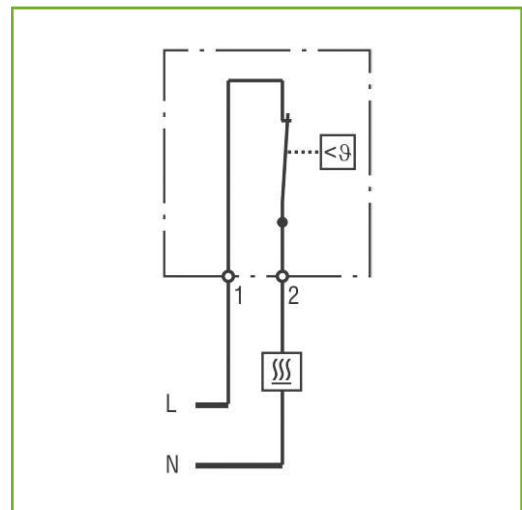
IP20 / III



THERMOSTAT WITH OPENING CONTACT NC W1282

When the temperature increases there's the contact opening. To be used to control air temperature inside cabinets:

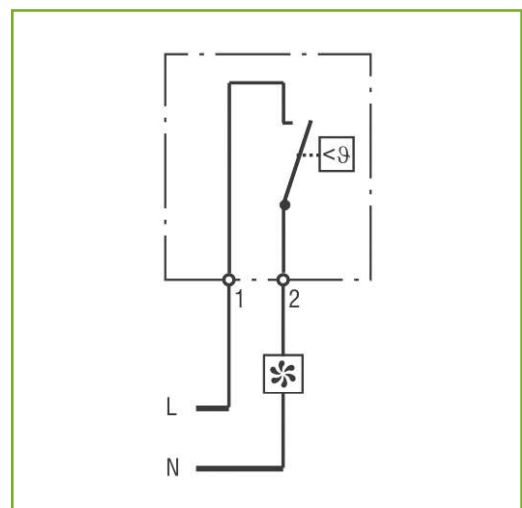
- heating
- ventilation
- signal transmissions.



THERMOSTAT WITH CLOSING CONTACT NO W1284

When the temperature increases there's the contact closing. To be used to control air temperature inside cabinets:

- heating
- ventilation
- signal transmissions.





THERMOSTAT WI286

Two thermostats in one casing:

- thermostat (contact breaker, normally closed) for regulation heaters
- thermostat (contact breaker, normally open) for regulation filter fans and heat exchangers or switching signal devices when temperature limit has been exceeded.

TECHNICAL FEATURES

Adjustment range (NC – NO): $0^{\circ} \div 60^{\circ}\text{C}$
 Maximum opening capacity: 250 V AC, 10 (2) A / 120 V AC, 10 (2) A – DC 30 W
 Working life: > 100.000 cycles
 Connections: 2,5 mm², 4 poles
 Fixing: clip fixing on 35 mm DIN rails
 Housing: UL 94 VO thermoplastic material
 Dimensions: 50 x 67 x 46 mm.

PROTECTION RATING

IP20.

