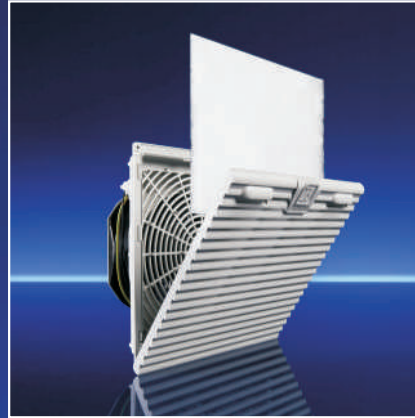
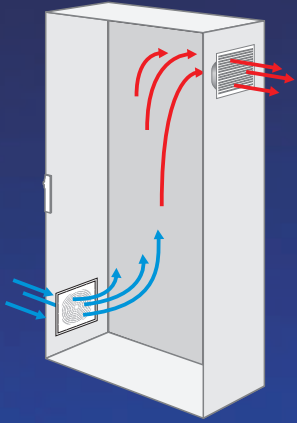
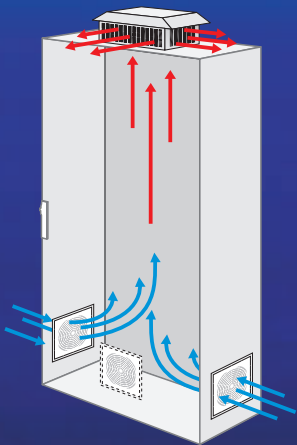


Wall ventilation system



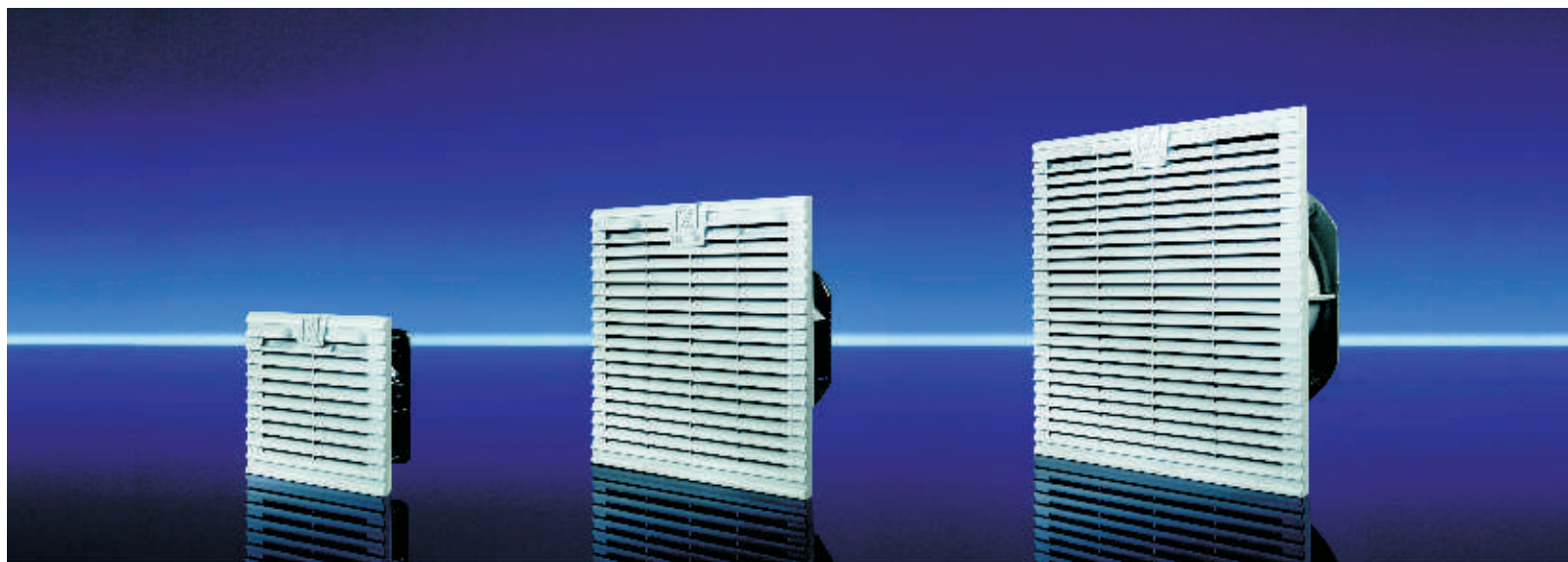
Aria - page 140
a complete range of fans and filters for electric boards heat exchange.
Quick snap-mounting system; hinged front.
Polyurethane sealing gaskets.

Roof ventilation system



ZTE tower - page 142
extracting tower for electric boards heat exchange.
Finned lower base and centrifugal fan.
Polyurethane sealing gaskets.

wall ventilation system



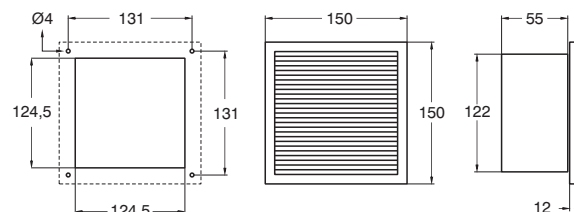
Fans and filters for air exchange for electric boards. Designed and produced in Italy; characterized by a quick snap-mounting system and a hinged front grid to make cloth filter cleaning/replacement more rapid; motors installed on bearings; more than 40.000h reliability; polyurethane sealing gaskets.

Material:
ABS UL94-V0 prot. UVA

Approvals:
 2011/65/CE
 1272/2008/CE
 EN 62 208 • EN 61 439-1

TYPE 1, 12 • Standard 508
 NEMA 1, 12 • Standard 250
 FILE NR. E 238294
 IP54 EN 62 208 • EN 61 439-1
 IK08 EN 62 208 • EN 61 439-1

200m³/h Ventilation



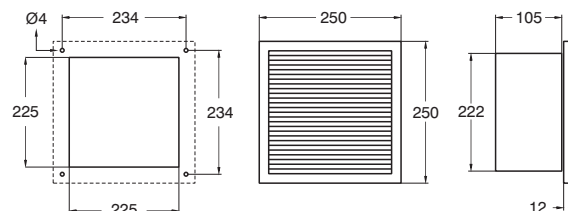
200m³/h ventilation set

Description	Order code	Pack	Rated operational voltage	Rated operational current	Power consumption	Noise level	Air flow (free intake)	Air flow with filter set (filter included)	Operation temperature	Kg	m ³
			V-ph-Hz	A	W	dB (A)	m ³ /h	m ³ /h	°C		
Fan with filter	ARIA-V150-1.	1	230, 1~,50/60	0,14/0,12	22/21	45/50	200	156/150	da -10 a +70	0,8	0,01
Fan with filter	ARIA-V150-2.	1	115, 1~,50/60	0,26/0,24	22/20	45/50	200	156/150	da -10 a +70	0,8	0,01
Fan with filter	ARIA-V150-3.	1	24 (DC)	0,40	9,6	48	235	176	da -10 a +70	0,8	0,01
Fan with filter	ARIA-V150-4.	1	24 (AC) - 60	0,70	11	47	165	128	da -10 a +70	0,8	0,01
Outlet filter	ARIA-F150.	1	-	-	-	-	-	-	da -30 a +80	0,2	0,01

ADD **G - W - B - C - S** EXTENSION AFTER THE POINT TO COMPLETE ORDER CODE

ADD **-UL** EXTENSION AFTER COLOUR ABBREVIATION TO COMPLETE ORDER CODE (Ex. **ARIA-V150-1.G-UL**)

340/520m³/h Ventilation



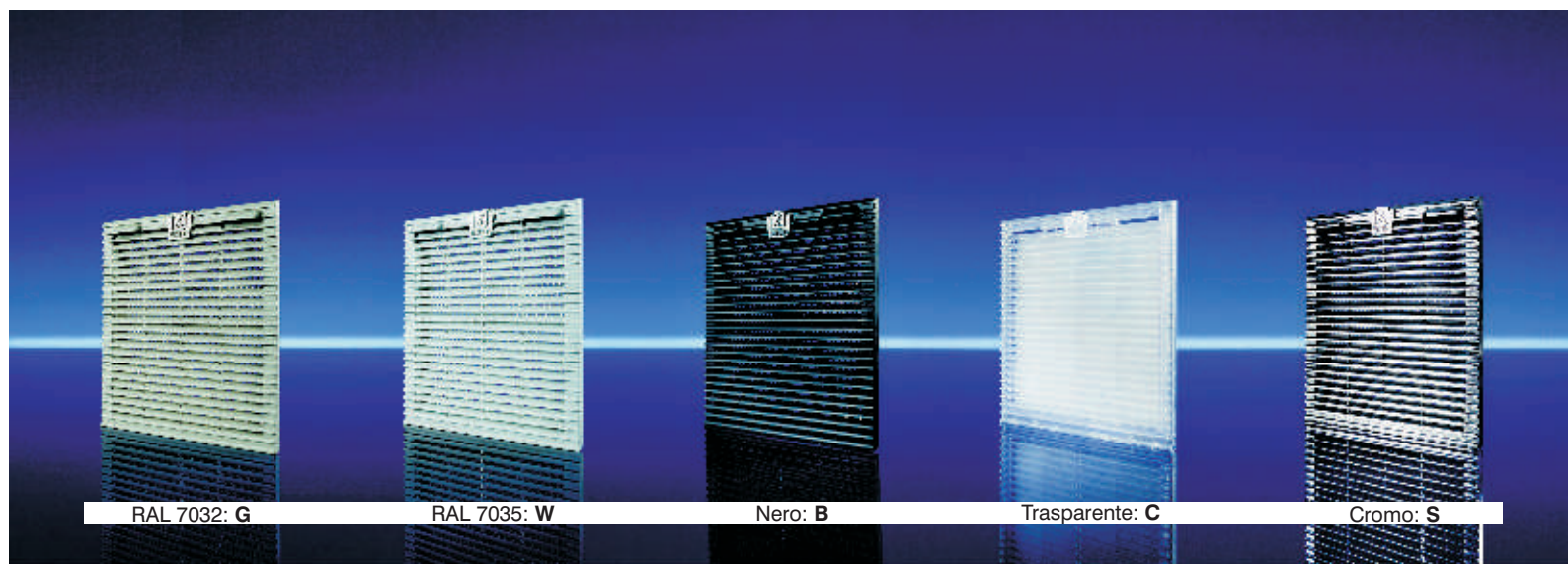
340/520m³/h ventilation set

Description	Order code	Pack	Rated operational voltage	Rated operational current	Power consumption	Noise level	Air flow (free intake)	Air flow with filter set (filter included)	Operation temperature	Kg	m ³
			V-ph-Hz	A	W	dB (A)	m ³ /h	m ³ /h	°C		
Fan with filter	ARIA-V250-1.	1	230, 1~,50/60	0,28/0,24	25/26	51/55	340	265/244	da -10 a +80	1,7	0,01
Fan with filter	ARIA-V250-2.	1	115, 1~,50/60	0,65/0,54	22/20	52/55	340	265/244	da -10 a +80	1,7	0,01
Outlet filter	ARIA-F250.	1	-	-	-	-	-	-	da -30 a +80	0,5	0,01

ADD **G - W - B - C - S** EXTENSION AFTER THE POINT TO COMPLETE ORDER CODE

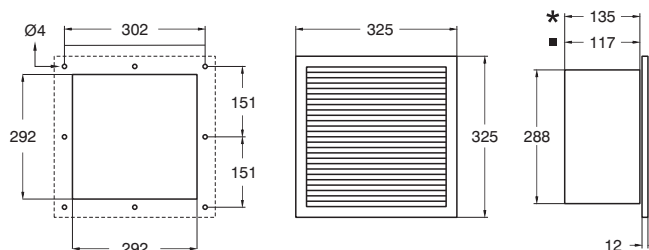
ADD **-UL** EXTENSION AFTER COLOUR ABBREVIATION TO COMPLETE ORDER CODE (Ex. **ARIA-V150-1.G-UL**)

wall ventilation system



G - W - B - C - S EXTENSIONS DEFINE THE COLOUR OF THE FILTER.
 -UL EXTENSION DEFINES THE MARK OF THE COLOUR (Ex. ARIA-F150.G-UL)

800/1000m³/h Ventilation



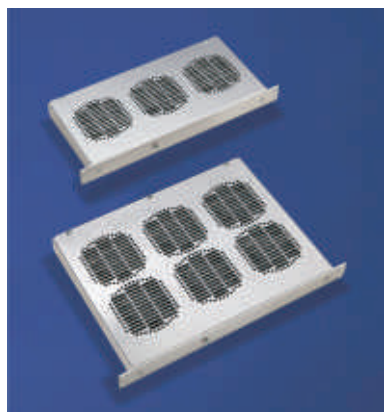
800/1000m³/h ventilation set

Description	Order code	Pack	Rated operational voltage	Rated operational current	Power consumption	Noise level	Air flow (free intake)	Air flow with filter set (filter included)	Operation temperature	Kg	m ³
			V-ph-Hz	A	W	dB (A)	m ³ /h	m ³ /h	°C		
* Fan with filter	ARIA-V325-1.	1	230, 1~.50/60	0,29/0,33	62/75	59/61	1000	780/790	da -15 a +55	2,5	0,02
■ Fan with filter	ARIA-V325-2.	1	230, 1~.50/60	0,20/0,22	55/50	65/70	800	624/632	da -15 a +55	2,5	0,02
* Fan with filter	ARIA-V325-3.	1	115, 1~.50/60	0,58/0,70	64/80	66/62	1000	780/790	da -15 a +55	2,5	0,02
Outlet filter	ARIA-F325.	1	-	-	-	-	-	-	da -15 a +55	0,8	0,01

ADD G - W - B - C - S EXTENSION AFTER THE POINT TO COMPLETE ORDER CODE

ADD -UL EXTENSION AFTER COLOUR ABBREVIATION TO COMPLETE ORDER CODE (Ex. ARIA-V150-1.G-UL)

1 HE - 486/972 m³/h drawer-mounted fans



An efficient quick-insert fan system which optimize and uniform electric-board and 19" rack data server heat exchange. Provided with front warning led and back power connector.

Material: 1,5/2 mm thick anodized alluminium.

Approvals:

IP20 EN 62 208 • EN 61 439-1
 IK08 EN 62 208 • EN 61 439-1

TYPE 1 • Standard 508
 NEMA 1 • Standard 250

CE EN 62 208 • EN 61 439-1

2011/65/CE

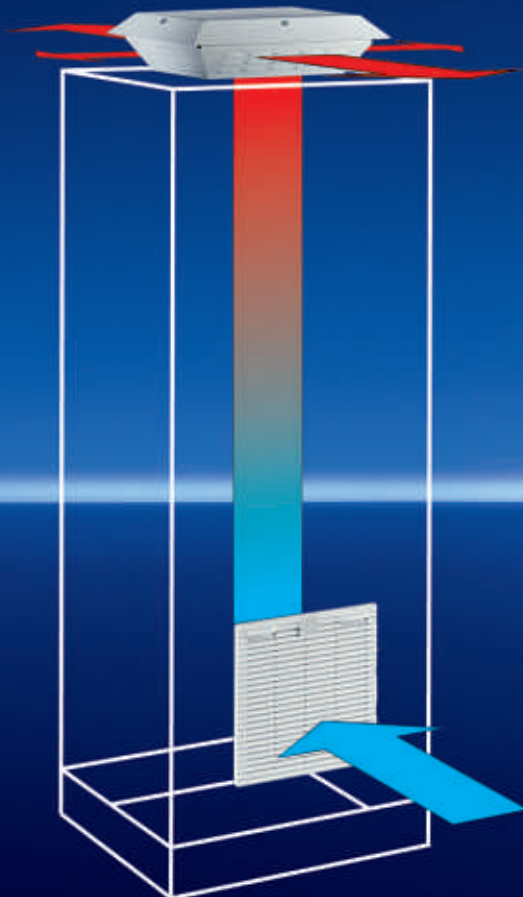
1272/2008/CE

1 HE drawer-mounted fan for Rack 19"

Description	Order code	Pack	Rated operational voltage	Power consumption	Air flow	Operation temperature	Dimensions WxD	Height 1HE
			V-ph-Hz	W	m ³ /h	°C	mm	mm
3 fan drawer	VE3322	1	230, 1~.50/60	45	486	da -10+70	430 x 208	43,6
6 fan drawer	VE6622	1	230, 1~.50/60	90	972	da -10+70	430 x 330	43,6

115 VA AND 24 VDC AVAILABLE ON REQUEST

roof ventilation system



Roof ventilation system:

Towers with no maintenance needs, for electric boards air exchange/extraction. Designed and produced in Italy; characterized by steel sheet housings and finned lower base; high-head centrifugal-fans generated flow; more than 40.000h reliability; terminal box connection; polyurethane sealing gaskets. All the articles are ready to be installed and provided with mounting screws. Available in RAL7032 and RAL7035 textured. Combine towers to ARIA-F150, ARIA-F250 and ARIA-F325 inlet filters at page 138-139, to create ventilation systems, according to the following table:

Painting:

Thermosetting powders.

Material:

1,5 mm thick carbon steel. 1,5 mm thick AISI 304 stainless-steel. Fine scotch brite medium satin, 240 grit. In AISI 316 stainless-steel on request.

Standard colours:

RAL7035 textured
RAL7032 on request

Approvals:

IP43 EN 62 208 • EN 61 439-1
IK10 EN 62 208 • EN 61 439-1

EN 62 208 • EN 61 439-1

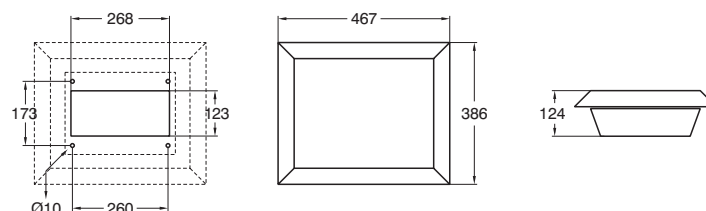
TYPE 1 • Standard 508
NEMA 1 • Standard 250
FILE NR. E 238294

2011/65/CE

1272/2008/CE

Order code	Grid number	Grid combination m³/h	Air flow with filter set m³/h
ZTE600	3	ARIA-F150	468
ZTE600	2	ARIA-F250	530
ZTE600	1	ARIA-F325	540
ZTE1000	5	ARIA-F150	780
ZTE1000	3	ARIA-F250	795
ZTE1000	2	ARIA-F325	780
ZTE1500	8	ARIA-F150	1248
ZTE1500	4	ARIA-F250	1150
ZTE1500	2	ARIA-F325	1170
ZTE2100	5	ARIA-F250	1435
ZTE2100	3	ARIA-F325	1638
ZTE3000	8	ARIA-F250	2130
ZTE3000	4	ARIA-F325	2150
ZTE4000	6	ARIA-F325	2390

600/1000 m³/h roof ventilation systems



600/1000 m³/h roof ventilation systems

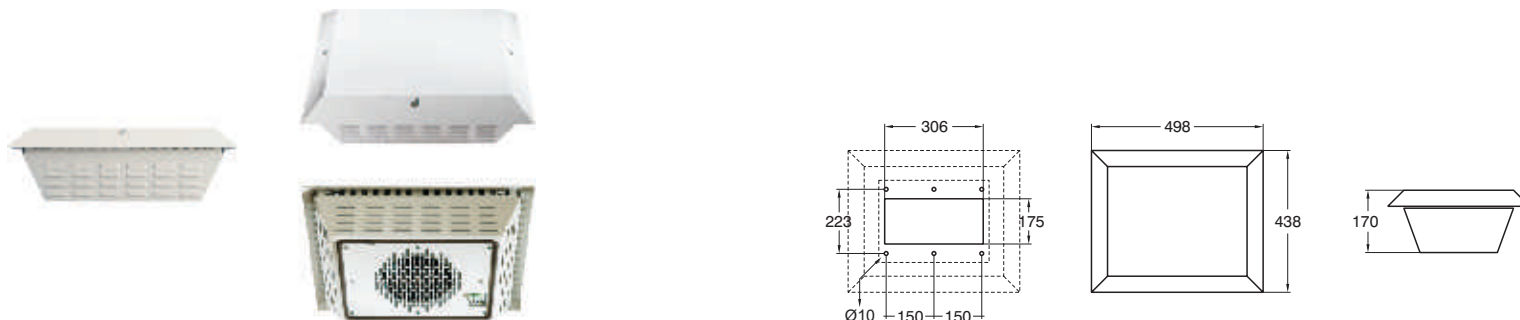
Description	Order code	Pack	Rated operational voltage	Rated operational current	Power consumption	Noise level	Capacitor	Air flow (free intake)	Operation temperature		
External-protection fan	ZTE600-1.X	1	230, 1~,50/60	0,30	70	71/72	2-450	600	da 0 a +70	10,4	0,03
External-protection fan	ZTE600-2.X	1	115, 1~,60/50	0,80	90	71/72	5-370	600	da 0 a +70	10,4	0,03
External-protection fan	ZTE1000-1.X	1	230, 1~,50/60	0,53/0,75	118/170	72/71	5-450	1000	da 0 a +70	10,6	0,03
External-protection fan	ZTE1000-2.X	1	110, 1~,50	1,13	120	72/71	20-250	1000	da 0 a +70	10,6	0,03
External-protection fan	ZTE600-1.X-UL	1	230,1~,50/60	0,30	70	71/72	2-450	600	da 0 a +70	10,4	0,03
External-protection fan	ZTE600-2.X-UL	1	115,1~,60/50	0,80	90	71/72	5-370	600	da 0 a +70	10,4	0,03
External-protection fan	ZTE1000-1.X-UL	1	230,1~,50/60	0,75	170	72/71	5-440	1000	da 0 a +70	10,6	0,03
External-protection fan	ZTE1000-2.X-UL	1	115~,60/50	1,5	170	72/71	20-250	1000	da 0 a +70	10,6	0,03

SUBSTITUTE X with: G for RAL7032; W for RAL7035; A for stainless-steel.

technical data subject to change without notice

roof ventilation system

1500/2100 m³/h roof ventilation systems

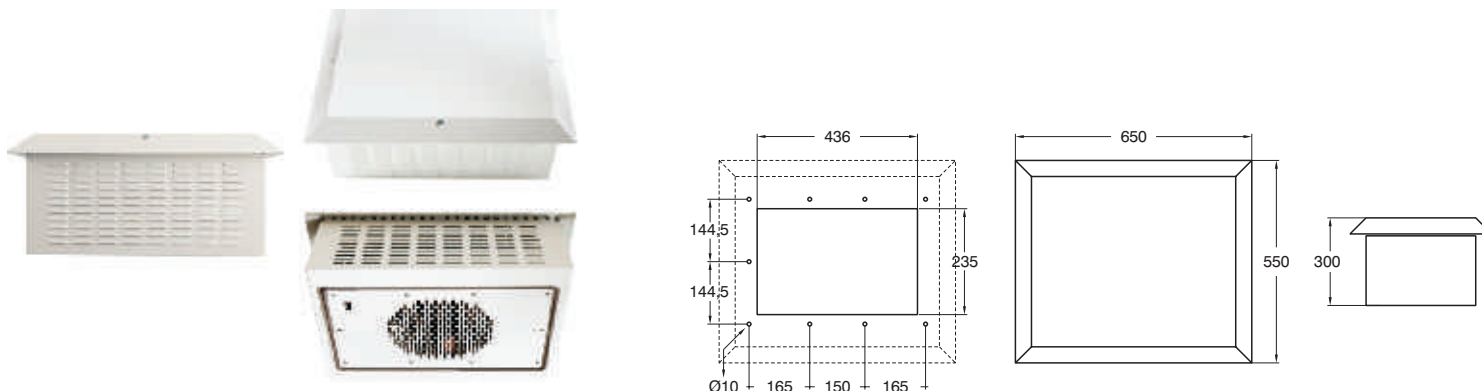


1500/2100 m³/h roof ventilation systems

Description	Order code	Pack	Rated operational voltage	Rated operational current	Power consumption	Noise level	Capacitor	Air flow (free intake)	Operation temperature	Kg	m ³
External-protection fan	ZTE1500-1.X	1	230, 1~,.50	0,73	165	74/75	5-450	1500	da 0 a +70	13,4	0,04
External-protection fan	ZTE1500-2.X	1	115, 1~,.60	1,96	215	75	20-370	1500	da 0 a +70	13,4	0,04
External-protection fan	ZTE1500-2.X-UL	1	115, 1~,.60	1,96	215	75	20-370	1500	da 0 a +70	13,4	0,04
External-protection fan	ZTE2100-1.X	1	230, 1~,.50	1,00	240	78	8-450	2100	da 0 a +70	14	0,04

SUBSTITUTE X with: **G** for RAL7032; **W** for RAL7035; **A** for stainless-steel.

2800/3100 m³/h roof ventilation systems



2800/3100 m³/h roof ventilation systems

Description	Order code	Pack	Rated operational voltage	Rated operational current	Power consumption	Noise level	Capacitor	Air flow (free intake)	Operation temperature	Kg	m ³
External-protection fan	ZTE3000-1.X	1	230, 1~,.50/60	1,20	300	69	12-400	2800	da 0 a +70	29,3	0,12
External-protection fan	ZTE4000-1.X	1	230, 1~,.50/60	1,20	300	78	12-400	3100	da 0 a +70	31,5	0,12

SUBSTITUTE X with: **G** for RAL7032; **W** for RAL7035; **A** for stainless-steel.

Ventilation chimneys



To be installed on cabinets roof to create a natural or a forced convective thermal system.

Painting:

Thermosetting powders.

Material:

1,5 mm thick steel sheet.

Standard colours:

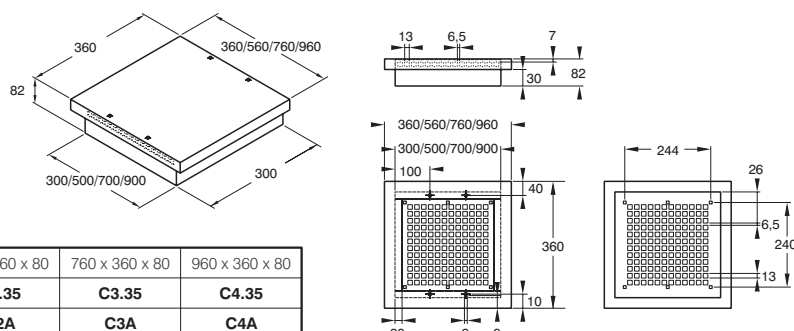
RAL7035 textured
RAL7032 on request

Degree of Protection:

IP54 EN 60529
IK10 EN 62262

Ventilation chimneys

DIMENSION	360 x 360 x 80	560 x 360 x 80	760 x 360 x 80	960 x 360 x 80
Steel Code	C1.35	C2.35	C3.35	C4.35
Stainless-steel Code	C1A	C2A	C3A	C4A



ventilation system accessories



Anti-condensation heaters: for carpentry thermoregulation. The aluminium-profile structure generates a draught effect which allows a uniform distribution of temperature in the carpentry. Heaters are designed for permanent operation.

Rated voltage: 120-240V AC/DC* (min.110V - max 265V).
Heating element: PTC thermistor, temperature restriction.
Radiator: Anodised aluminium profile
Connection: 3 flexible pressure clamps for conductor (with 0,5-1,5 sqmm terminal)
Connection box: UL94-V-0 plastic, black.

Fixing: Clip for 35 mm DIN guide, EN60715.
Installation position: Vertical (airflow on top/bottom connection).
Operation environment temperature: -45°C - +70°C (-49°F - +158°F).
Protection class: IP20/I (earthed protective conductor).
Approvals: CE - VDE - UL File E150057.

Anti-condensation heaters

DIMENSIONS mm	H109xW70xD60	H109xW70xD60	H109xW70xD60	H184xW70xD60	H184xW70xD60	H264xW70xD60	1-piece pack
DESCRIPTION	15W	30W	45W	75W	100W	150W	
Code	VR1415	VR1430	VR1445	VR1475	VR14100	VR14150	



SMALL anti-condensation heaters for carpentry thermoregulation.

Rated voltage: 120-240V AC/DC* (min.110V - max 265V).
Heating element: PTC thermistor, temperature restriction.
Radiator: Anodised aluminium profile
Fixing: Clip for 35 mm DIN guide, EN60715.

Installation position: Vertical (airflow on top/bottom connection).
Operation environment temperature: -45°C - +70°C (-49°F - +158°F).
Protection class: IP44/I (earthed protective conductor).
Approvals: CE - VDE - UL File E150057.

Anti-condensation heaters

DIMENSIONS mm	H62xW50xD25	H72xW50xD25	H82xW50xD25				1-piece pack
DESCRIPTION	10W with cable	20W with cable	30W with cable				
Code	VR4710	VR4720	VR4730				



Anti-condensation heating fan to prevent excessive cooling. The integrated axial-flow fan guarantees forced air circulation, by uniforming the temperature in the carpentry. Connection with an internal clamp. Provided with a temperature monitoring device for overheating protection in case of fan malfunctioning.

Rated voltage: 230 V AC 50/60Hz.
Heating element: Resistance heating.
Temperature monitoring device: Overheating protection in case of fan malfunctioning.
Radiator: Anodised aluminium profile
Surface temperature: Max 75°C (400 W).
Axial-flow fan: Capacity, free aeration.
Ball-bearing installation: capacity: 45mc/h(50Hz) or 54mc/h(60Hz). DC capacity: 54mc/h. Length: 50.000h at 25° (77°F).

Connection: internal connection clamp, 1,5 sqmm, anti-traction device max 0,8 Nm tightening torque.
Connection box: UL94-V-0 plastic, black.
Fixing: Clip for 35 mm DIN guide, EN60715.
Installation position: Vertical (airflow on top).
Operation environment temperature: -45°C - +70°C (-49°F - +158°F).
Protection class: IP20/I (earthed protective conductor).
Approvals: CE - VDE - UL File E150057.

Anti-condensation heaters WITH FANS

DIMENSIONS mm	H178xW80xD80	H252xW80xD80				1-piece pack
DESCRIPTION	250W with fan	400W with fan				
Code	VR46250	VR46400				



Protective casing: filters and fans protection device for a higher protection level; for 150x150 mm, 250x250 mm and 325x325 mm filters/fans, with bottom airflow.

Material: 15/10 thick steel sheet, thermosetting powders painted.
Colours: RAL7035 textured - RAL7032 textured on request.

Material: 15/10 thick AISI 304 stainless-steel sheet
Finish: Fine scotch brite medium satin

Protective casing in:

Painted Sheet					Stainless-steel				
DIMENSIONS mm	H222xW200xD42	H343xW330xD54	H415xW390xD60	1-piece pack	DIMENSIONS mm	H222xW200xD42	H343xW330xD54	H415xW390xD60	1-piece pack
Code	VE1300.35	VE2500.35	VE3500.35		Code	VE1300A	VE2500A	VE3500A	



Replacement cloth filter: small mesh cloth; it withstands up to 100° C. Contaminated air side: open structure. Clean air side: closed structure. It filters almost every type of dust with a grain size higher than 10 µm.

Filter class: G3 EN779
Filtering element: in polyester fibre, class 1 DIN 53.438

Cloth filter

DIMENSIONS mm	SMALL cloth filter H114 x W114 x D8	MEDIUM cloth filter H214 x W199 x D8	LARGE cloth filter H282 x W273 x D8	1-piece pack
Code	F1515	F2525	F3535	

ventilation system accessories

Mechanical thermostats for fans and signaling elements. Through temperature measurement, the thermostat controls resistive and inductive loads. If the fixed temperature is equal to the higher switching point value, the NC contact opens. If the fixed temperature, hysteresis (and tolerance) deducted, is equal to the lower switching point value, the NC contact closes.

Switching hysteresis:	5 K (tolerance value -3/+2 K).	Max ign. Current:	10 A AC for 10 sec.
Sensor:	Bimetal.	Connection:	4-pin clamp, 2,5 sqmm rigid wire, max tightening torque 0,5 Nm.max 0,5 Nm.
Contact type:	exchange contact (with snap-acting contacts)	Fixing:	Clip for 35 mm DIN guide, EN60715
Switching current:	10 mA.	Housing:	UL94-V-0 plastic, grey.
Max breaking capacity:	250 A AC. 10 (4)A.	Dimensions and weight:	H67 x L50 x P38 mm - 0,1 Kg.
Breaking contact:	120 V AC. 10 (4)A - 30 W DC.	Working temperature:	-45°C - +65°C (-49°F - +149°F).
Max breaking capacity:	250 A AC. 5 (2)A.	Protection class:	IP20.
Closing contact:	120 V AC. 5 (2)A - 30 W DC.	Approvals:	CE - VDE - UL File E164102.

Thermostats

DESCRIPTION	4-pin therm. N/C-N/A			1-piece pack
Code	VR1060			



Thermostats: Art. **VR0601** - NC Contact for heating devices adjustment.
Art. **VR0602** - NO contact for cooling devices, fans and exchangers adjustment.

Switching hysteresis:	5 K (tolerance value +-4K).	Fixing:	Clip for 35 mm DIN guide, EN60715
Sensor:	Bimetal.	Housing:	UL94-V-0 plastic, grey.
Contact type:	snap-acting contacts.	Dimensions and weight:	H60 x L33 x P43 mm - 40 g.
Max breaking capacity:	250 A AC. 10 (2)A.	Working temperature:	-45°C - +80°C (-49°F - +176°F).
Breaking contact:	120 V AC. 15 (2)A - 30 W DC.	Protection class:	IP20.
Max ignition current:	16 A AC for 10 sec.	Approvals:	CE - VDE - UL File E164102.
Connection:			

Thermostats

DESCRIPTION	2-pin therm. NC	2-pin therm. NO		1-piece pack
Code	VR0601	VR0602		



Mechanic humidistat. It measures air humidity in metallic carpentries. Once the pre-fixed humidity value is reached, it turns on the heating system to avoid condensation on electric and electronic components.

Hysteresis (relative humidity):	4% RH (tolerance +-3%).	Fixing:	Clip for 35 mm DIN guide, EN60715
Max acceptable air speed:	15 m/s.	Housing:	UL94-V-0 plastic, grey.
Contact type:	exchange contact (with snap-acting contacts).	Dimensions and weight:	H67 x L50 x P38 mm - 60 g.
Min breaking capacity:	20 VAC/DC. 100 mA.	Working environment temperature:	-0°C - +60°C (+32°F - +140°F).
Max breaking capacity:	250 V AC. 5A - 20 W DC.	Protection class:	IP20.
Max ignition current:	5 A AC.	Approvals:	CE - VDE - UL File E164102.
Connection:	3-pin clamp, 2,5 sqmm rigid wire, max tightening torque 0,5 Nm, 1,5 sqmm flexible wire (with terminal).		

Humidistat

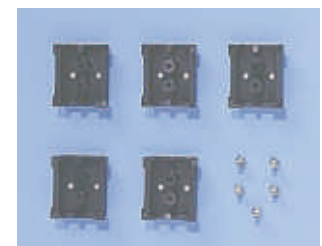
DESCRIPTION	Humidistat 35/95%			1-piece pack
Code	VR3595			



Omega adhesive support is an accessories for fixing small devices or 35 mm pre-drilled DIN guide to EN 60715. It is possible to fix devices in a quick and easy way, without drilling. It is an easy way to install devices even in limited spaces or in case of retrofiting. Plastic adhesive element with an high bearing capacity. The industrial adhesive tape remains stable with aging and grants a good level of security.

Support

DESCRIPTION	OMEGA adhesive support			5-piece pack
Code	VR9510			



Purge valve and Condensation absorber to dissipate condensation in carpentry.

Purge valve and Condensation absorber

DESCRIPTION	Purge valve: threaded joint for pressure compensation Dim. Ø 60x37mm (WxH). Protection Level IP66 EN 60 529	2-piece pack	Condensation absorber: threaded joint for drainage Dim. Ø 60x50mm (WxH). Protection Level IP66 EN 60 529	1-piece pack
Code	VR2010		VR2020	

