

heat regulation for cabinets and enclosures

ventilators



348 17



348 52



348 54



Technical characteristics (p. 301)

Pack	Cat.Nos	Ventilators with metal louvre
		IP 32 - IK 10 Ventilator is mounted on the outside of the enclosure or cabinet A second outlet can be installed to increase the flow rate and optimise discharge rates from the enclosure 230 V - 50/60 Hz 30/160 m³/h: 30 m³ installed with filter 160 m³ for free blow-out Supplied with a pair of metal louvres, a pair of anti-insect grilles and an internal finger-guard grille
1	348 17	RAL 7035
1	365 71	Beige RAL 7032

Pack	Cat.Nos	Ventilators with plastic louvre (continued)
1	348 53	400/900 m³/h 400 m³ installed with filter 450 m³ with second louvre Cat.No 348 36 900 m³ for free blow out 260 m³ with inox protection kit Supplied with a pair of 325 x 325 mm Media filter washable G3, acc. EN 779
1	348 54	550/1200 m³/h 550 m³ installed with filter 620 m³ with second louvre Cat.No 348 36 1200 m³ for free blow out 350 m³ with inox protection kit Supplied with a pair of louvres 325 x 325 mm Media filter washable G3, acc. EN 779

Pack	Cat.Nos	Ventilators with plastic louvre
		IP 54 - IK 08 230 V - 50/60 Hz RAL 7035 Equipped with finger-guard grilles Reduced external dimensions (7 to 10 mm) Ventilator is mounted on the outside of the enclosure or cabinet Screw fixing on a panel width 1 to 4 mm A second outlet louvre can be installed to increase the flow rate and optimise discharge rates from the enclosure
1	348 50	40/160 m³/h 40 m³ installed with filter 160 m³ with second louvre Cat.No 348 34 160 m³ for free blow out 20 m³ with inox protection kit Supplied with a pair of louvres 150 x 150 mm equipped Electrostatic filter washable G3, acc. EN 779
1	348 51	120/160 m³/h 120 m³ installed with filter 130 m³ with second louvre Cat.No 348 35 160 m³ for free blow out 100 m³ with inox protection kit Supplied with a pair of louvres 250 x 250 mm Media filter washable G3, acc. EN 779
1	348 52	240/450 m³/h 240 m³ installed with filter 260 m³ with second louvre Cat.No 348 35 450 m³ for free blow out 200 m³ with inox protection kit Supplied with a pair of louvres 250 x 250 mm Media filter washable G3, acc. EN 779

heat regulation for cabinets and enclosures

ventilators (continued)



example 348 78 mounted
on ventilator 348 50



365 74



348 08



365 79



348 05



348 35



Technical characteristics (p. 301)

Pack	Cat.Nos	Stainless steel protection kit
		Allows the protection of ventilators with filters and louvres against water jets Air enters via the bottom Guarantes IP 55
1	348 78	For Cat.Nos 348 50 and 348 34
1	348 79	For Cat.Nos 348 51, 348 52 and 348 35
1	348 80	For Cat.Nos 348 53, 348 54 and 348 36

Pack	Cat.Nos	Air circulation kit 160 m³/ h
1	365 74	Uniformizes temperature in enclosure Prevent hot spots Plate or rail mounting in bottom part of enclosure or under most sensitive equipment The air flow must be directed upward

Pack	Cat.Nos	Roof ventilators										
		Plastic - RAL 7035 Provide very high extraction rate Screw mounting on top of enclosures Dimensions: 400 x 350 x 100 mm Delivered without input air louvre IP 23 - IK 08										
		With motor										
		Flow rate (m³/h):										
		<table><tr><th>Free blowing</th><th>With 1 louvre Cat.No 348 35</th><th>With 2 louvres Cat.No 348 35</th><th>With 1 louvre Cat.No 348 36</th><th>With 2 louvres Cat.No 348 36</th></tr><tr><td></td><td></td><td></td><td></td><td></td></tr></table>	Free blowing	With 1 louvre Cat.No 348 35	With 2 louvres Cat.No 348 35	With 1 louvre Cat.No 348 36	With 2 louvres Cat.No 348 36					
Free blowing	With 1 louvre Cat.No 348 35	With 2 louvres Cat.No 348 35	With 1 louvre Cat.No 348 36	With 2 louvres Cat.No 348 36								
1	348 07	<table><tr><td>600</td><td>350</td><td>400</td><td>400</td><td>450</td></tr></table>	600	350	400	400	450					
600	350	400	400	450								
1	348 08	<table><tr><td>1000</td><td>400</td><td>500</td><td>500</td><td>600</td></tr></table>	1000	400	500	500	600					
1000	400	500	500	600								

Pack	Cat.Nos	Natural ventilation
		Ventilation glands for cabinets IP 44 - IK 08 for outdoor use Grey polyamide 6.6
2	365 78	Drilling Ø15 mm
2	365 79	Drilling Ø30.5 mm
		Metal louvres IP 32 - IK 10 Set of 2 metal louvres + 2 anti-insect grilles
1	348 04	RAL 7035 - 138 x 138 mm
1	365 70	Beige RAL 7032 - 138 x 138 mm
1	348 05	RAL 7035 - 248 x 248 mm
1	348 16	Beige RAL 7032 - 248 x 248 mm
		Plastic louvres RAL 7035 Supplied singly
1	348 34	IP 44 - 150 x 150 mm With filtre G3, acc. EN 779
1	348 35	IP 54 - 250 x 250 mm With filter G3, acc. EN 779
1	348 36	IP 54 - 325 x 325 mm With filter G3, acc. EN 779



Exchangers
Air conditionners

please consult us

heat regulation for cabinets and enclosures

heating and humidity



348 02



348 06



348 47



353 18



353 19



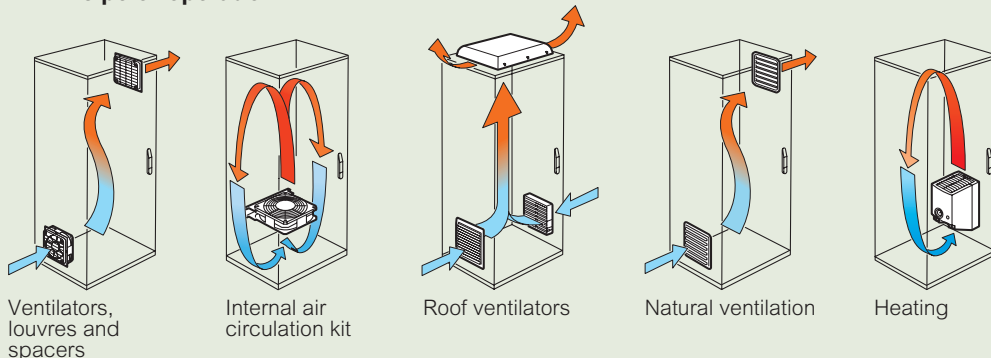
Technical characteristics (p. 301)

Pack	Cat.Nos	Heating
		Resistance heaters 110 V/240 V~ Class II □ IP 20 Prevent condensation forming inside the enclosure Heat dissipator in black aluminium oxide Supplied complete with cables 450 mm length Lighting functions: "PTC" auto-regulated Ensures security with limited temperature: t maxi: 70 °C Mounting on rail ⌋ connection on terminals
1	348 00	Power 20 W Start-up current 0.8 A
1	348 01	60 W 1.5 A
1	348 02	120 W 3.2 A
1	348 06	Pulsated air resistance heaters 230 V~ 350 W 7.5 A Fan flow rate: 35 m³/h Built-in temperature limiter Supplied with thermostat: 0 to 60 °C Operating LED Material: Polycarbonate UL 94 VO
1	348 47	Room thermostat Precision 0.5 °C (neutral connected) Switching and control range: 2 °C 12 at 250 V AC NO contact: 10 A; NC contact: 5 A Mounted on DIN rail. Can be set to between 5 and 60 °C with NC and NO contact
1	353 18	Hygrostat For adjusting the relative humidity inside a cabinet or an enclosure to avoid the formation of condensation by starting up a heater or a fan 230 V~ - 50/60 Hz Contact 5 A - 250 V~, 6 A - 24 V, 3 A - 12 V Colour RAL 7021 Rail mounting ⌋ Adjustable from 35 % to 100 % relative humidity

Pack	Cat.Nos	Heating (continued)
1	353 19	Hygrostat/thermostat For independent adjustment of the temperature and humidity level inside a cabinet or an enclosure, to avoid the formation of condensation by starting up a heater or a fan 230 V~ - 50/60 Hz Output relay 8 A - 250 V~, 5 A - 35 V Colour: RAL 7021 For fixing on rail ⌋ Adjustable from 0 °C to 60 °C and from 50 % to 90 % relative humidity
1	476 28	Door switch For example, to cut off the air conditioning and the lighting supply as soon as the enclosure or cabinet door is opened 6 A - 250 V 1 NC contact + 1 NO contact Supplied complete with fixing lug for Altis
1	363 13	6 A - 250 V 1 NC contact + 1 NO contact For Atlantic cabinets Supplied with fixing lug

heat regulation for cabinets and enclosures

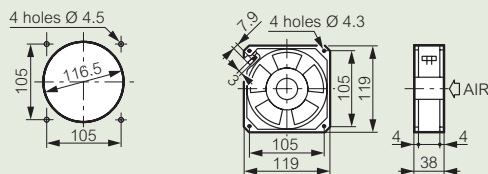
■ Principle of operation



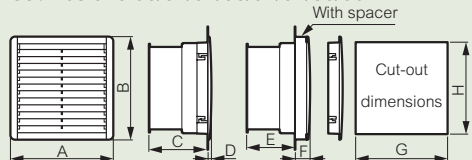
■ Ventilators, louvres and spacers

Dimensions and cut-out

Cat.Nos 365 71 and 348 17



Cat.Nos 348 50/51/52/53/54/34/35/36



Cat.Nos	A	B	C	D	E	F	G	H
348 50	150	150	70	7	43	34	125	125
348 51	250	250	105	8	78	35	223	223
348 52	250	250	123	8	96	35	223	223
348 53	325	325	152	10	125	37	291	291
348 54	325	325	115	10	88	37	291	291
348 34	150	150	-	7	-	34	125	125
348 35	250	250	-	8	-	35	223	223
348 36	325	325	-	10	-	37	291	291

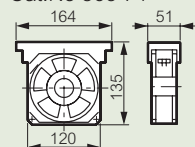
Technical characteristics

Cat.Nos	365 71/348 17	348 50	348 51	348 52	348 53	348 54
Voltage (V) / phase	220-240/1	230/1	230/1	220-240/1	220-240/1	230/1
Frequency (Hz)	50/60	50/60	50/60	50/60	50/60	50/60
No load flow ventilator only (m³/h)	160	160	160	450	900	1200
On load flow with an output louver (supplied)	30	40	120	240	400	550
Static pressure (mm of water)	100	66	51	111	160	186
Power down (W)	22	20	20	29	67	114
Current drawn (A)	0.14	0.125	0.125	0.426	0.3	0.5
Operating temperature	-10°C/+50°C					
IP/IK	32/10	54/08	54/08	54/08	54/08	54/08
Sound level (dB)	49	43	43	50	61	71
Weight (kg)	0.72	0.8	1.4	1.7	3.6	3.7

■ Internal air circulation kit

Dimensions

Cat.No 365 74



Technical characteristics

Cat.No	Circulation kit 50/60 Hz						
	Rated speed (rpm)	Max. flow rate (m³/hr)	Static pressure (mm of water)	Power drawn (W)	Current drawn (mA)	Operating temperature (°C)	Noise (dB A)
365 74	2 750	160	10	18	135	- 10 / + 55	44

■ Roof ventilators

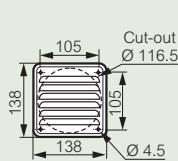
Technical characteristics

Cat.Nos	Max. flow rate (m³/hr)	Power drawn (W)	Current drawn (mA)	Operating temperature (°C)	Noise (dB A)	Weight (kg)
348 07	600	70	0.32	50	64	4.1
348 08	1 000	180	0.5	50	72	4.3

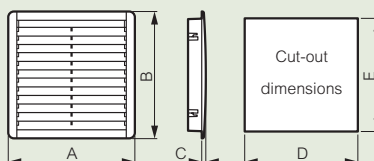
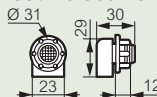
■ Natural ventilation

Dimensions and cut-out

Cat.Nos 365 70 and 348 04



Cat.No 365 78

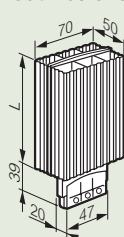


Cat.Nos	A	B	C	D	E
348 34	150	150	7	125	125
348 35	250	250	8	223	223
348 36	325	325	10	291	291

■ Heating

Dimensions

Cat.Nos 348 00/01/02 Cat.No 348 06

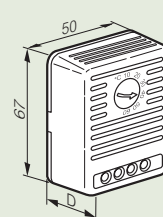


Cat.Nos	Power	L (mm)
348 00	20 W	80
348 01	60 W	140
348 02	120 W	220



See the on-line catalogue: instructions, technical data sheets, etc

Cat.Nos 348 47 and 353 18/19



Cat.Nos	D (mm)
348 47	34
353 18	38
353 19	43