

## EXPLOSION PROOF

E-ex air conditioners



### COMMON FEATURES

They are specifically designed to cool switchgear or analysis cabinets in Hazardous areas. All electromechanical components are certified ATEX, Zone II type Eex-d B or C. The standard housing is made with AISI304 stainless steel, and upon request AISI316. The components must be wired at customer care to the cabinet. As option is available an Eex-d commandbox to control the airconditioner. Upon request other power supplies or temperature classes are available.

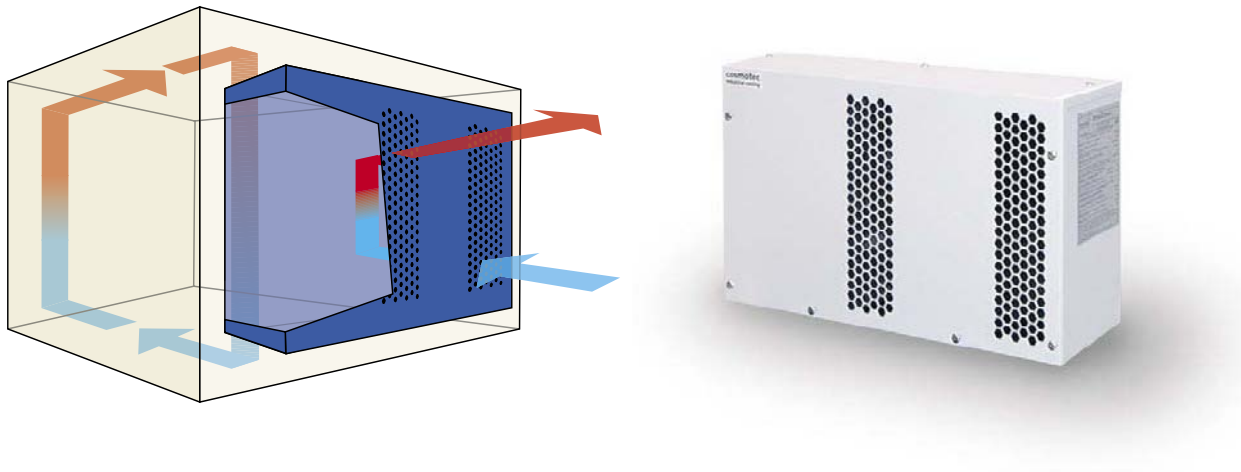
# EXPLOSION PROOF

CODE - CODICE - CODE - CÓDIGO	M.U.	EVE08EX200	EVE08EX201
Voltage / Phase / Frequency - Tensione / Fase / Frequenza	V-ph-Hz	230-1-50	230-1-60
Cooling capacity L35L35 - Potenza raffreddamento L35L35 - DIN 3168	W	800	800
Cooling capacity L35L50 - Potenza raffreddamento L35L50 - DIN 3168	W	620	620
Height / Width / Depth - Altezza / Larghezza / Profondità*	mm	1200x500x400	1200x500x400
Max running current - Corrente max, in marcia	A	5,9	5,9
Starting current - Corrente assorbita alla partenza	A	1	10
Power absorbed L35L50 - Potenza assorbita L35L50 - DIN 3168	W	590	590
Side cabinet fan flow, free air - Portata aria ventil. lato armadio, bocca libera	m³/h	340	340
Side cabinet temperature limits - Limiti temperatura lato armadio	°C	25 - 45	25 - 45
Side ambient temperature limits - Limiti temperatura lato ambiente	°C	-10 / +50	-10 / +50
Side cabinet protection degree - Protezione lato armadio	IP	54	54
Noise level - Rumorosità	dB(A)	65	65
Weight - Peso	kg	100	100
CLASS - PROTEZIONE		II B T3	II B T3

CODE - CODICE - CODE - CÓDIGO	M.U.	EVE20EX200	EVE20EX201	EVE41EX207	EVE41EX208
Voltage / Phase / Frequency - Tensione / Fase / Frequenza	V-ph-Hz	230-1-50	230-1-60	400-3-50	440-3-60
Cooling capacity L35L35 - Potenza raffreddamento L35L35 - DIN 3168	W	2000	2000	4100	4100
Cooling capacity L35L50 - Potenza raffreddamento L35L50 - DIN 3168	W	1700	1700	3100	3100
Height / Width / Depth - Altezza / Larghezza / Profondità*	mm	2000x800x550	2000x800x550	2000x800x550	2000x800x550
Max running current - Corrente max, in marcia	A	11,4	11,4	3,6	4
Starting current - Corrente assorbita alla partenza	A	43,4	43,4	23	23
Power absorbed L35L50 - Potenza assorbita L35L50 - DIN 3168	W	2600	2600	3600	3600
Side cabinet fan flow, free air - Portata aria ventil. lato armadio, bocca libera	m³/h	2000	2000	2000	2000
Side cabinet temperature limits - Limiti temperatura lato armadio	°C	25 - 45	25 - 45	25 - 45	25 - 45
Side ambient temperature limits - Limiti temperatura lato ambiente	°C	-10 / +50	-10 / +50	-10 / +50	-10 / +50
Side cabinet protection degree - Protezione lato armadio	IP	54	54	54	54
Noise level - Rumorosità	dB(A)	70	70	70	70
Weight - Peso	kg	200	200	200	200
CLASS - PROTEZIONE		II C T4	II C T4	II C T5	II C T5

## Compact, Horizontal Mount Enclosure Air Conditioner

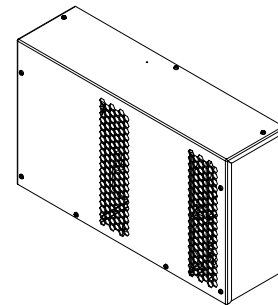
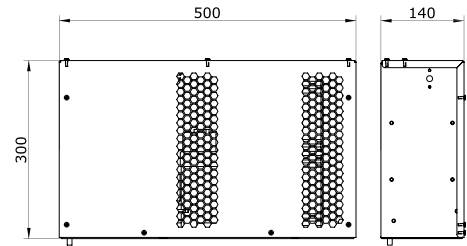
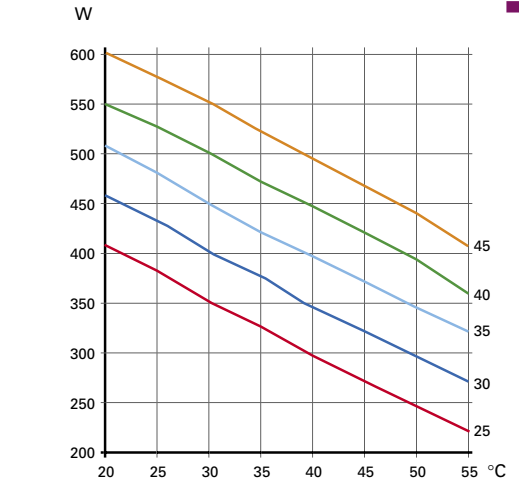
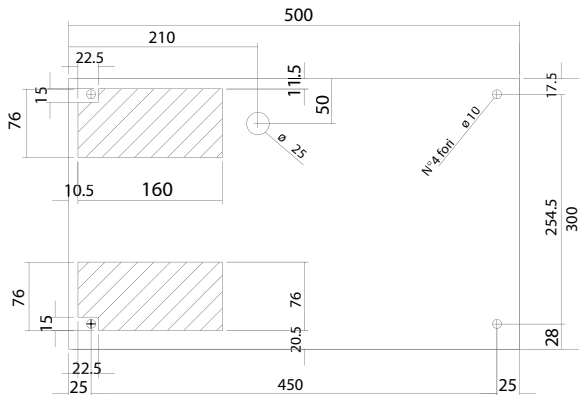
### Smart



#### COMMON FEATURES

Thanks to the horizontal installation and the compact sizes, it is suitable to control boards, small boxes or directly on the machines. The cooling capacity of 420 W is regulated by an internal electromechanical thermostat. The power supply, 230 V 50/60 Hz is through a 3 m chord.

# Smart Eve03

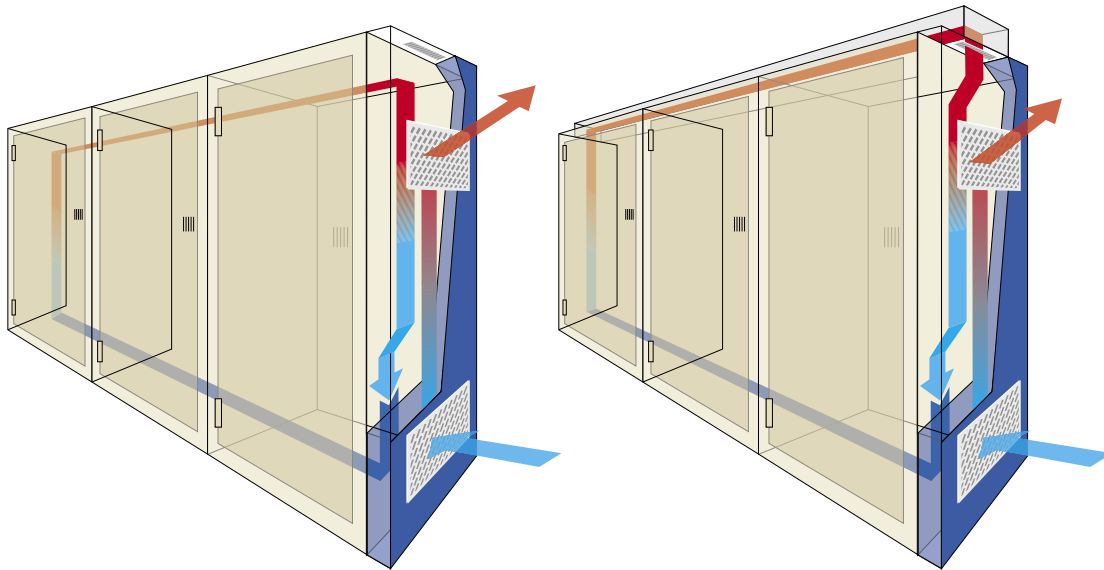


CODE - CODICE - CODE - CÓDIGO	EVE03H3220	
Voltage / Phase / Frequency	V-ph-Hz	230-1-50/60
Cooling capacity L35L35	W	420
Cooling capacity L35L50	W	280
Height / Width / Depth	mm	500x300x140
Max running current	A	1,2
Starting current	A	4,7
Power absorbed L35L50	W	300
Side cabinet fan flow, free air	m³/h	348
Side cabinet temperature limits	°C	20/50
Side ambient temperature limits	°C	20/45
Schutzgrad Schrankseiteo	IP 54	
Noise level	dB(A)	60

## MODULE

# Air Conditioners for Multiple Modular Cabinets

Air conditioners in enclosure modules



### COMMON FEATURES

The units are the best technical and cost-effective solution for cooling long arrays of enclosures where large cooling capacities are required. The cooling capacity is from 5800 W to 10000 W. They are built into enclosure modules 600 mm and 800 mm deep. The units are mounted on the side of the enclosure array to achieve a good aesthetic integration. The enclosure air inlet can be on the side or on the top of the enclosure when an external top duct is provided. The standard control is electronic (EBB).

## MODULE

# Air Conditioners for Multiple Modular Cabinets

Air conditioners in enclosure modules



### SCROLL

Rotating spiral compressor of superior volumetric and thermodynamic performance, consisting of a fixed spiral and a rotating one, both of which feature helicoidal walls at a displacement angle of 180°.



### EBB

This is a device which allows electronic management of the main conditioner functions.

## OPTIONAL



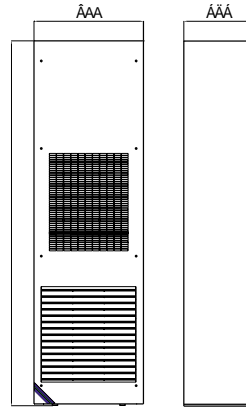
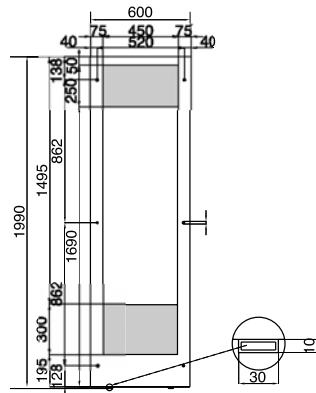
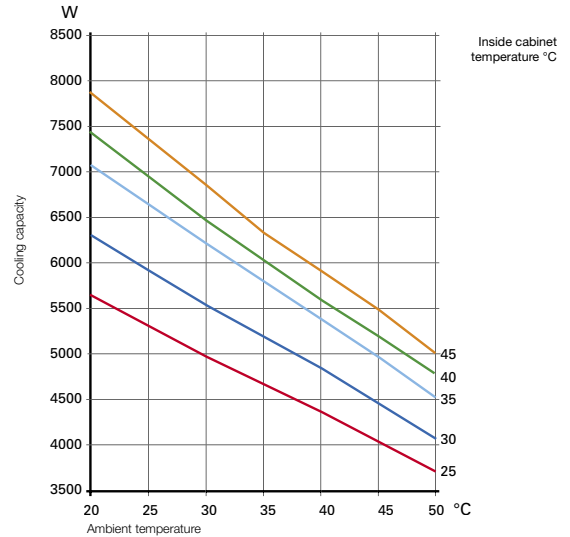
### COLOR

The units can be delivered with other RAL colours.

# Module Eve60



## Performance



**\*Call for 120 VAC Versions**



CODE - CODICE - CODE - CÓDIGO	EVE60002606000	
Voltage / Phase / Frequency	V-ph-Hz	400-3-50 440-3-60
Cooling capacity L35L35	W	5800
Cooling capacity L35L50	W	4500
Height / Width / Depth	mm	2000x600x383*
Max running current	A	5,8
Starting current	A	28
Power absorbed L35L50	W	2500
Side cabinet fan flow, free air	m³/h	1720
Side cabinet temperature limits	°C	25 - 45
Side ambient temperature limits	°C	25 - 50
Side cabinet protection degree	IP	54
Noise level	dB(A)	75
Weight	kg	100
*without protection grill		

## MODULE

# Air Conditioners for Multiple Modular Cabinets

Air conditioners in enclosure modules



### SCROLL

Rotating spiral compressor of superior volumetric and thermodynamic performance, consisting of a fixed spiral and a rotating one, both of which feature helicoidal walls at a displacement angle of 180°.



### EBB

This is a device which allows electronic management of the main conditioner functions.

## OPTIONAL



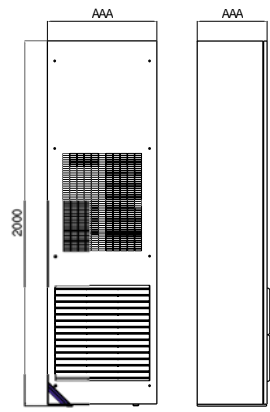
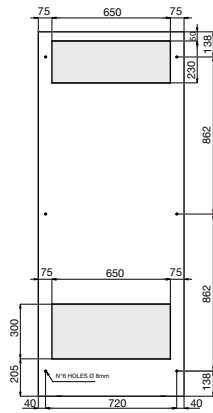
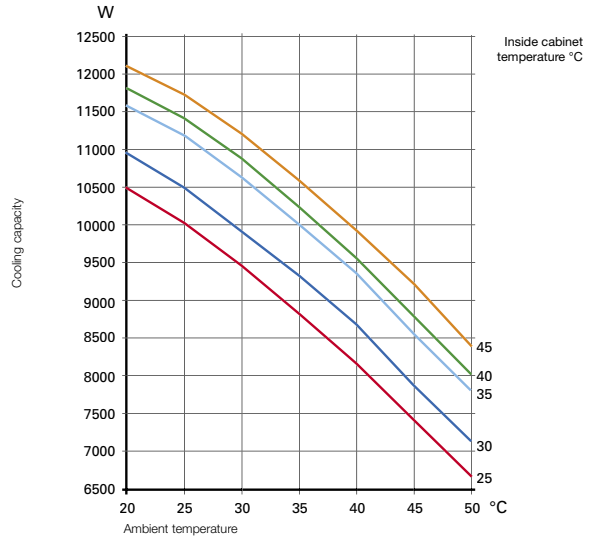
### COLOR

The units can be delivered with other RAL colours.

# Module EveA0



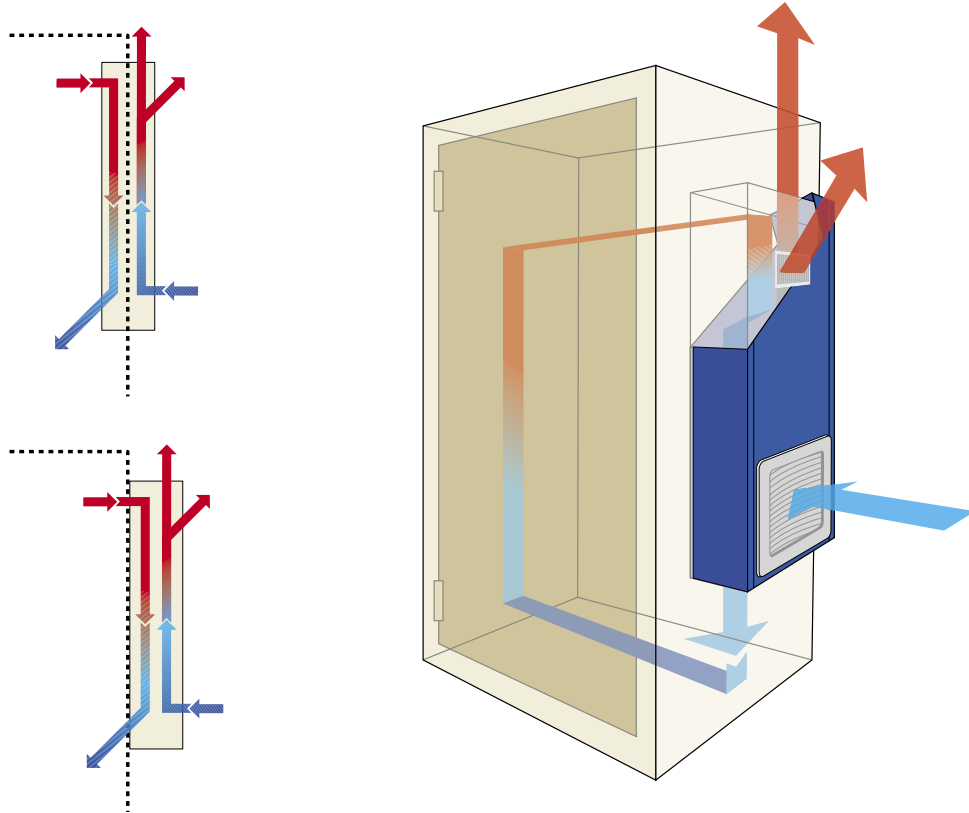
## Performance



**\*Call for 120 VAC Versions**

CODE - CODICE - CODE - CÓDIGO	EVEA00221	
Voltage / Phase / Frequency	V-ph-Hz	400-3-50/60
Cooling capacity L35L35	W	10000
Cooling capacity L35L50	W	7800
Height / Width / Depth	mm	2000x800x383*
Max running current	A	7
Starting current	A	40
Power absorbed L35L50	W	2x215
Side cabinet fan flow, free air	m³/h	2x1490
Side cabinet temperature limits	°C	20 - 50
Side ambient temperature limits	°C	25 - 45
Side cabinet protection degree -	IP	54
Noise level	dB(A)	76
Weight	kg	250
*without protection grill		

## OPERA



### COMMON FEATURES

The air conditioners are designed for external or recessed installation in the door or in the side of the enclosure. The cooling capacity range is from 420 W to 2000 W, with only 2 different cut-outs. Common to all models is the "Selfcleaning" condenser coil which remove the necessity of the air filter, avoiding the ordinary maintenance. The standard control is electronic (mechanical for EVE03) and the connection is through a connector plug.

## OPERA



### No filter

All models have the heat exchanger surfaces specifically designed to prevent clogging by particles and fibers in the ambient air. Therefore, they remain very efficient even in the worst ambient conditions and filters are eliminated.



### Environment safety

In all stages, from the drawing board to the creation of our products, EEC safety regulations and environmental resources are respected, using ecological gases and recyclable materials



### EBB

This is a device which allows electronic management of the principal conditioner functions.



### Fast connection

Fast connection for power supply and alarms/door contact (Male supplied)

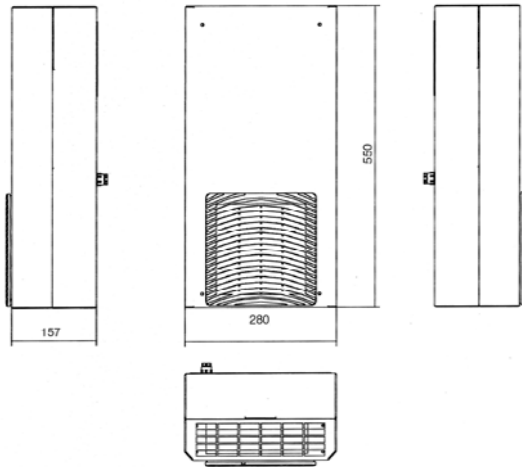
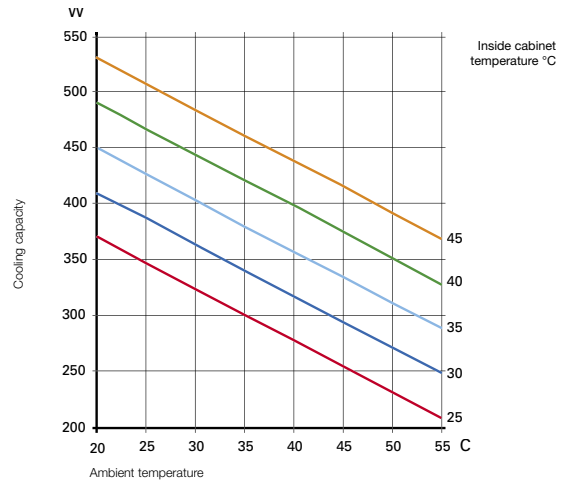
## OPTIONAL



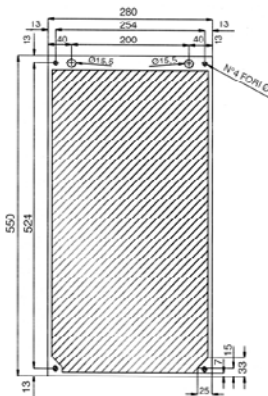
# Opera Eve03



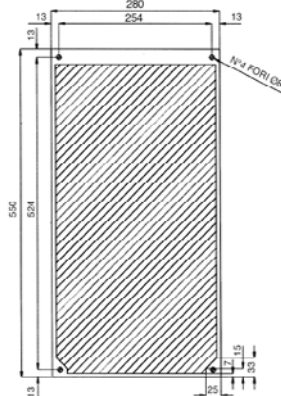
## Performance



### SEMI-ENCASING INSTALLATION



### EXTERNAL INSTALLATION



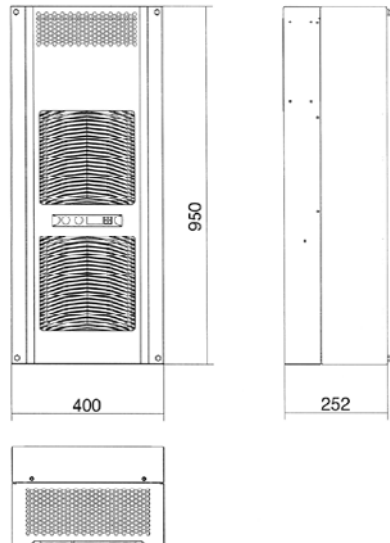
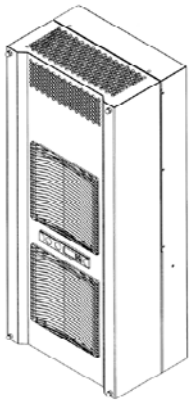
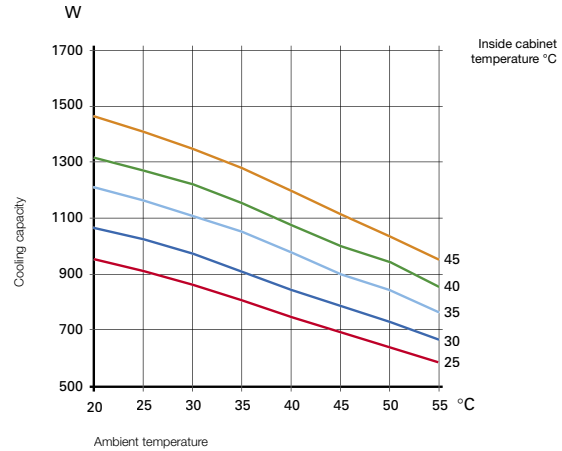
**\*Call for 120 VAC Versions**

CODE - CODICE - CODE - CÓDIGO		EVE03OP220
Voltage / Phase / Frequency	V-ph-Hz	230-1-50/60
Cooling capacity L35L35	W	380
Cooling capacity L35L50	W	330
Height / Width / Depth	mm	550x280x157
Max running current	A	1,2
Starting current	A	4,7
Power absorbed L35L50	W	300
Side cabinet fan flow, free air	m <sup>3</sup> /h	328
Side cabinet temperature limits	°C	20/50
Side ambient temperature limits	°C	20/45
Side cabinet protection degree	IP	54
Noise level	dB(A)	60

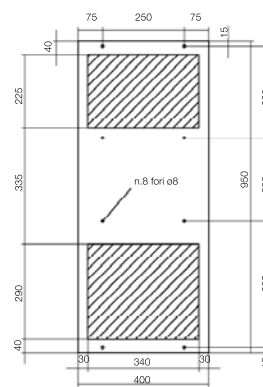
# OPERA Eve11



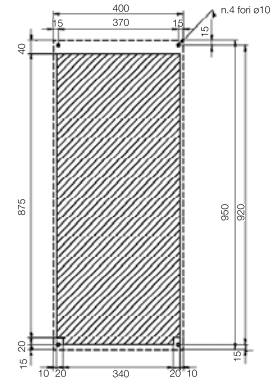
## Performance



### SEMI-ENCASING INSTALLATION



### EXTERNAL INSTALLATION



**\*Call for 120 VAC Versions**

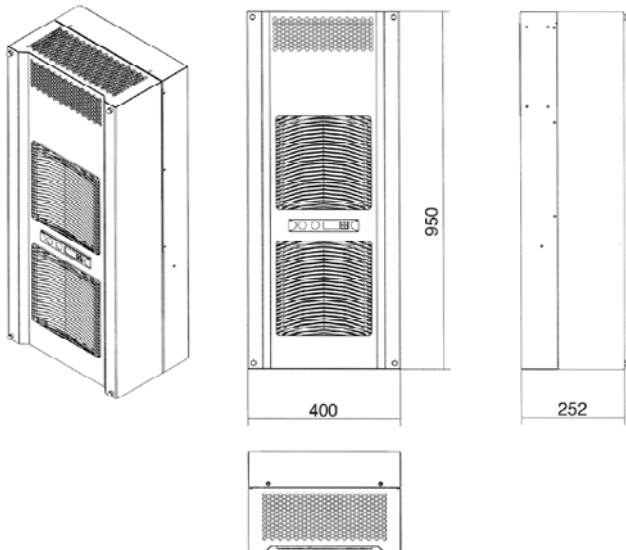
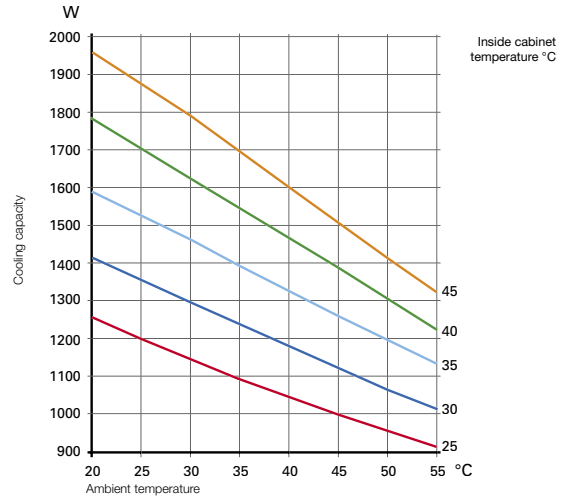
CODE - CODICE - CODE - CÓDIGO		EVE11OP2206000	EVE11OP2306000
Voltage / Phase / Frequency	V-ph-Hz	230-1-50/60	400-440/1/50-60
Cooling capacity L35L35	W	1050	1050
Cooling capacity L35L50	W	840	840
Height / Width / Depth	mm	950X400X252	950X400X252
Max running current	A	2,8	1,6
Starting current	A	16	9
Power absorbed L35L50	W	1300	1300
Side cabinet fan flow, free air	m³/h	575	575
Side cabinet temperature limits	°C	25 - 45	25-45
Side ambient temperature limits	°C	20 - 55	20 - 55
Side cabinet protection degree	IP	54	54
Noise level	dB(A)	65	65
Weight	kg	41	48



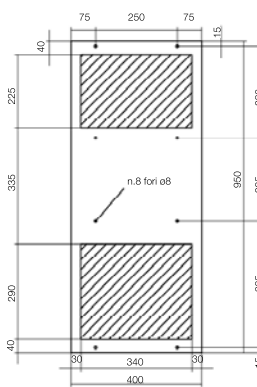
# OPERA Eve14



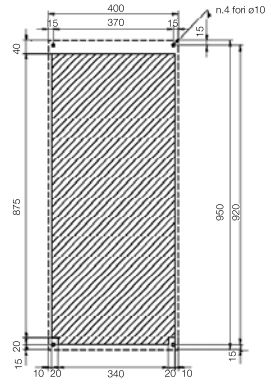
## Performance



### SEMI-ENCASING INSTALLATION



### EXTERNAL INSTALLATION

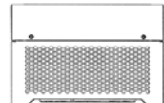
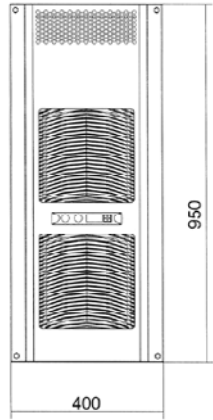
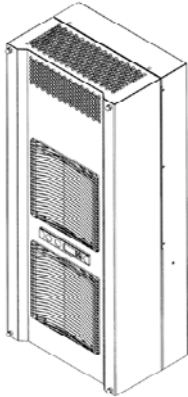


**\*Call for 120 VAC Versions**

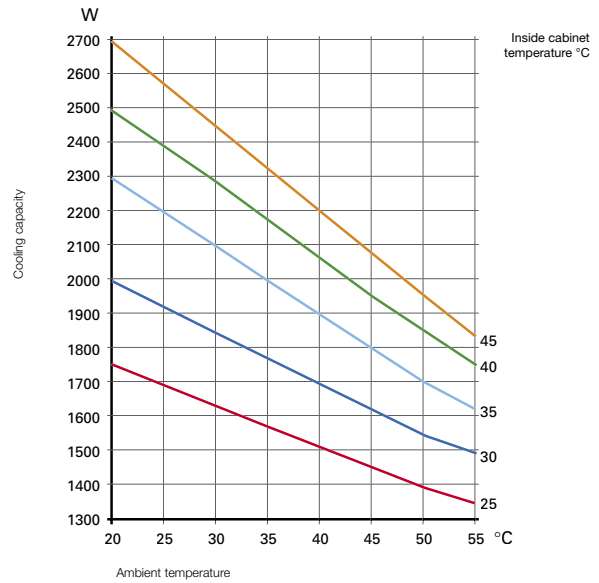


CODE - CODICE - CODE - CÓDIGO		EVE14OP2206000	EVE14OP2306000
Voltage / Phase / Frequency	V-ph-Hz	230-1-50/60	400-440/1/50-60
Cooling capacity L35L35	W	1400	1400
Cooling capacity L35L50	W	1170	1170
Height / Width / Depth	mm	950X400X252	950X400X252
Max running current	A	5	3,3
Starting current	A	17	9
Power absorbed L35L50	W	1300	1300
Side cabinet fan flow, free air	m³/h	575	575
Side cabinet temperature limits	°C	25 - 45	25-45
Side ambient temperature limits	°C	20 - 55	20 - 55
Side cabinet protection degree	IP	54	54
Noise level	dB(A)	65	65
Weight	kg	41	48

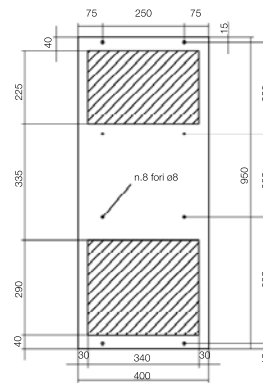
# OPERA EVE20



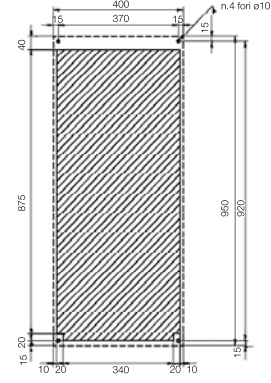
## Performance



### SEMI-ENCASING INSTALLATION



### EXTERNAL INSTALLATION

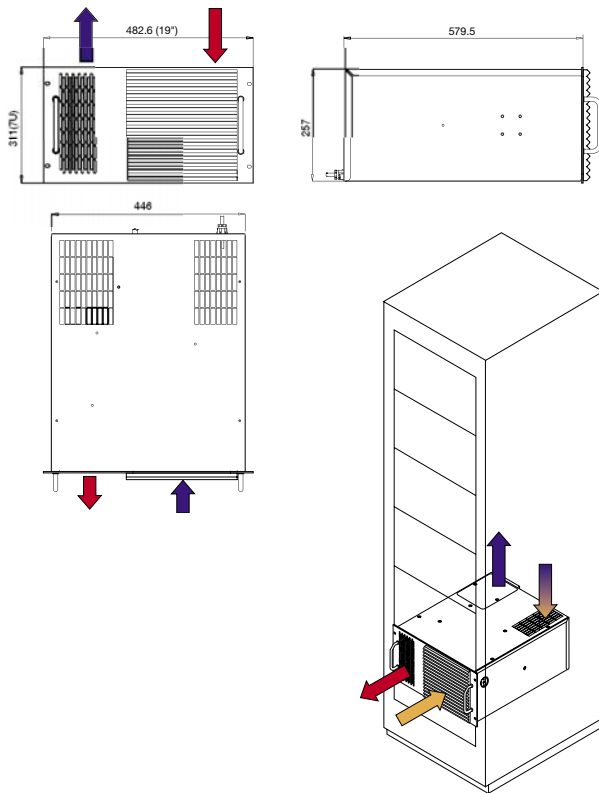


**\*Call for 120 VAC Versions**

CODE - CODICE - CODE - CÓDIGO		EVE20OP2206000	EVE20OP221600
Voltage / Phase / Frequency	V-ph-Hz	230-1-50/60	400-3-50/60
Cooling capacity L35L35	W	2000	2000
Cooling capacity L35L50	W	1700	1700
Height / Width / Depth	mm	950X400X270	950X400X270
Max running current	A	6,2	2,5
Starting current	A	20	10
Power absorbed L35L50	W	1200	1200
Side cabinet fan flow, free air	m³/h	575	860
Side cabinet temperature limits	°C	25 - 45	25 - 45
Side ambient temperature limits	°C	20 - 55	20 - 55
Side cabinet protection degree	IP	54	54
Noise level	dB(A)	65	65
Weight	kg	45	48

# 19 Inch Rack Mount Air Conditioner

## ERE



### COMMON FEATURES

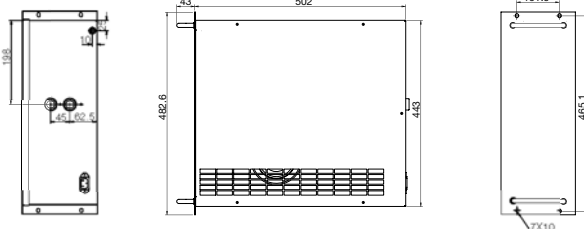
Specifically developed for mounting on a 19" rack the air conditioner has a cooling output of 950 W. It uses a "Selfcleaning" condenser coil which remove the necessity of the air filter, avoiding the ordinary maintenance. The standard control is electromechanical. The power supply is through a PC plug.

**\*Call for 120 VAC Versions**

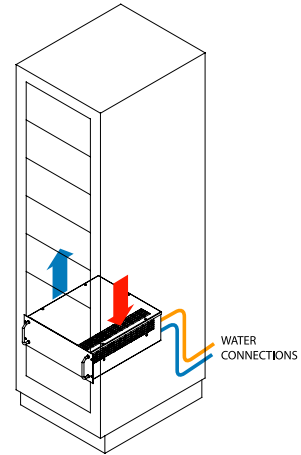
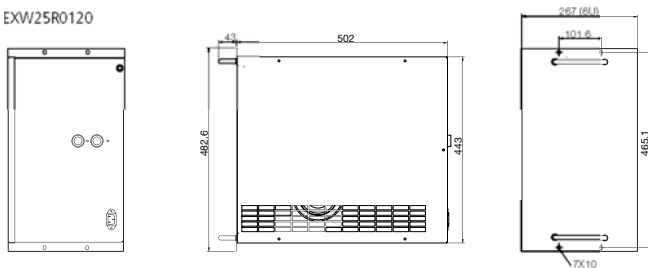
CODE - CODICE - CODE - CÓDIGO		ERE1000320
Voltage / Phase / Frequency	V-ph-Hz	230-1-50/60
Cooling capacity L35L35	W	950
Cooling capacity L35L50	W	760
Height / Width / Depth	mm	311(7U)x482,6x579,5
Max running current	A	3
Starting current	A	15
Evaporator fan air flow	m <sup>3</sup> /h	575
Working limits ambient temp. min/max	°C	20 - 55
Working limits cabinet temp. min/max	°C	25 - 45
Side cabinet protection degree	IP	54
Noise level	dB(A)	65
Electric connection		cable 3m
Weight	kg	36

# 19 Inch Rack Mount Air to Water Heat Exchanger Exw

EXW15R0120



EXW25R0120



### TECHNICAL FEATURES:

Specifically developed for mounting on a 19" rack the air to water heat exchangers have a cooling output of 1500 or 2500 W. The power supply is through a PC plug.

**\*Call for 120 VAC Versions**

CODE - CODICE - CODE - CÓDIGO		EXW15R0120	EXW25R0120
Voltage / Phase / Frequency	V-ph-Hz	230-1-50/60	230-1-50/60
Cooling capacity L35W10	W	1500	2500
Height / Width / Depth	mm	482,6x545x177	482,6x545x267
Fan air flow	m <sup>3</sup> /h	575	575
Absorbed fan current	A	0,36	0,36
Absorbed fan power	A	2	2
Water flow	lt/h	200	500
Max water pressure	kPa	500	500
Water pressure drop	kPa	3	63
Side cabinet temperature limits	°C	20 - 50	20 - 50
Side cabinet protection degree	IP	55	55
Noise level	dB(A)	58	58
Weight	kg	14,5	14,5

## Industrial Spot Cooler

### Ece

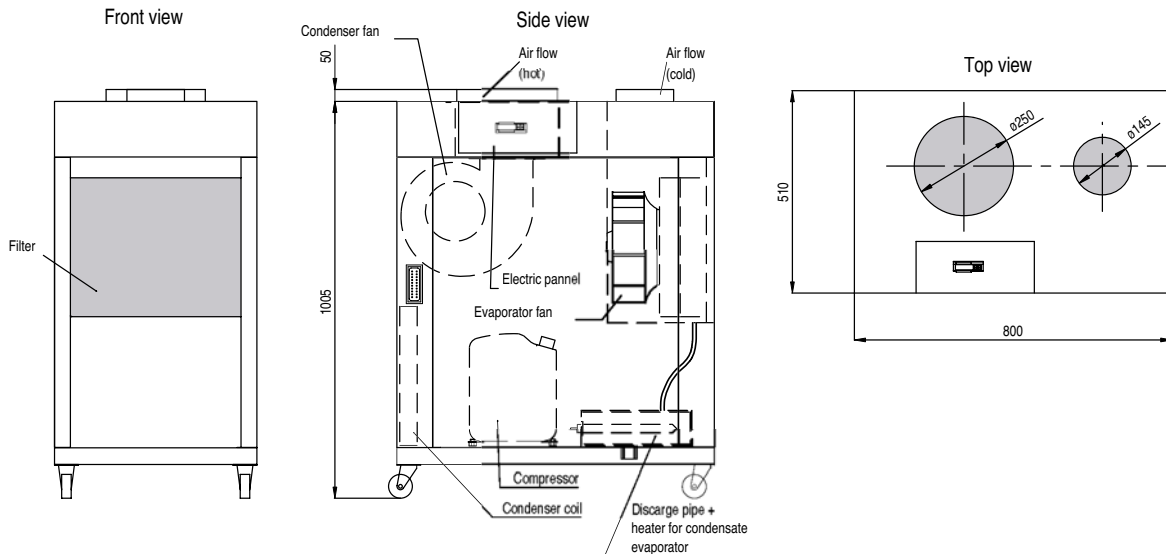


#### **TECHNICAL FEATURES**

ECE is the portable air conditioning solution to cool production lines, spot areas of machines or cabinets as emergency or retrofitting system.

They are available with 3.0 or 6.0 kW cooling capacity. The units work as standard with open system, and as option is available an evaporator conveyor to make a looping system. The ducts (for cold air and for the condenser warm air) are in charge of the customer. The length of them can be upto 10 mt thanks to the high performance radial fans.

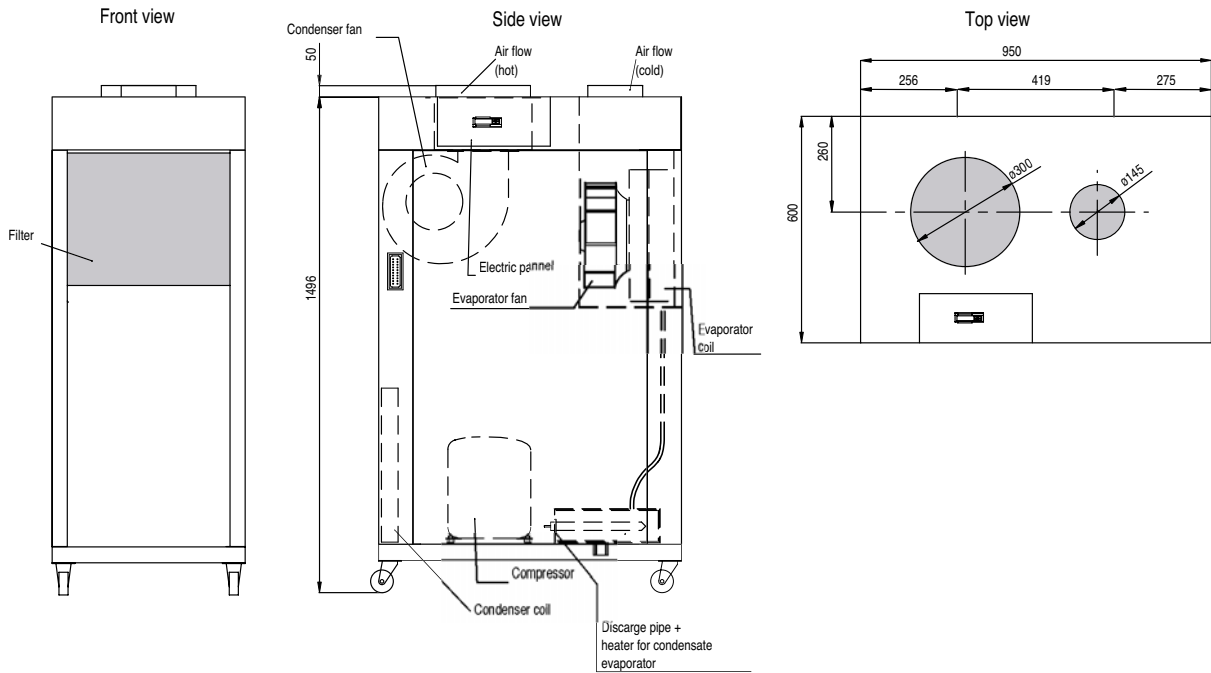
# Spot Cooler Ece30



**\*Call for 120 VAC Versions**

CODE - CODICE - CODE - CÓDIGO	ECE30002071000	
Voltage / Phase / Frequency	V-ph-Hz	400/3/50
Cooling capacity L35L35	W	3000
Height / Width / Depth	mm	1046x800x510
Max running current	A	4
Starting current	A	20
Side cabinet fan flow, free air	m <sup>3</sup> /h	1435
Power absorbed L35L50	W	2100+1500
Side ambient temperature limits	°C	45
Noise level	dB(A)	69
Weight	kg	90

# Spot Cooler ECE60



**\*Call for 120 VAC Versions**

CODE - CODICE - CODE - CÓDIGO	ECE60002071000	
Voltage / Phase / Frequency	V-ph-Hz	400-3-50
Cooling capacity L35L35	W	6000
Height / Width / Depth	mm	1546x600x950
Max running current	A	6
Starting current	A	35
Side cabinet fan flow, free air	m <sup>3</sup> /h	1800
Power absorbed L35L50	W	2600+2000
Side ambient temperature limits	°C	20/45
Noise level	dB(A)	75
Weight	kg	150