



T° CONTROL
SOLUTIONS FOR
THERMAL MANAGEMENT
AND **COOLING CABINETS**

Everything
is for **air**
*“that isn’t
visible but is
perceivable”*.
To have the
control
of this
noble
fluid is the
aim of our
intuitions.

 O.ERRE

CE All products included in this catalogue meet the essential requirements of EU Directives.

In order to improve its offer, O.ERRE reserves the right to change sizes, features and design, or delete entire references of its products without notice.



TECHNICAL GUIDE

THE TEMPERATURE OF PANELS



The power dissipated by electronic devices produces heat that builds up inside cabinets and switchboards. Add the presence of humidity and it's even easier to understand the importance of adopting an internal temperature control system.

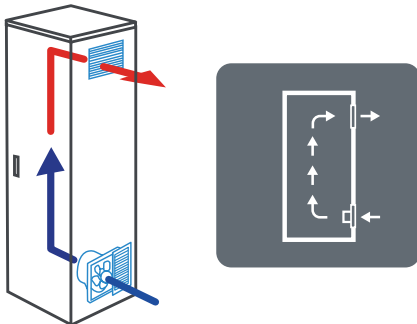
Operating temperatures and humidity are the two greatest responsibilities of the process variables altering the internal components wear performance (with locks and costly inefficiencies) therefore decreasing durability and reliability.

Environment, type and apparatus numbers are the basic factors used in deciding the appropriate thermal control apparatus.

O. Erre has always been attentive to business issues in the field of aero-thermal parts and has further expanded its line by creating T ° Control: a product line dedicated solely to thermal control switchboards.

T° VENTILATION

COOLING FORCED AIR VENTILATION

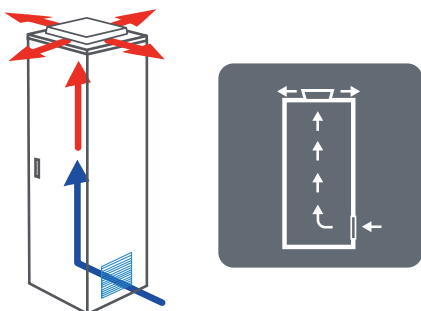


Forced ventilation allows for a quick and efficient disposal of waste heat from the components by changing the air inside the cabinet. The fan groups are composed of a ventilator, equipped with a filter and entry grid, combined with an output air grid which provides the most simple, straightforward and economic way to reduce the temperature inside the electrical cabinet.

The fan is installed at the bottom of the cabinet, filtering and emitting air, while through the top of the grille, hot air is expelled, creating a through exchange of air, obtaining efficient heat dissipation.

In addition, pressure generated by the ventilation prevents the entrance of non-filtered air from holes or cracks.

T° AIRING

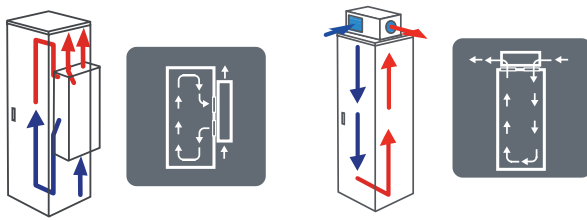


When an electrical panel has to extract a significant amount of heat and / or on its side walls, fans can not be installed, so forced ventilation can be achieved through the roof extractors (towers) and one or more grid filter with air inlets positioned at the bottom. The main feature of the ventilation towers is its high airflow.

The vacuum generated by the tower installed on top of the cabinet, draws outside air installed at the bottom of the grid thus realizing the exchange of the air volume inside and consequent heat dissipation.

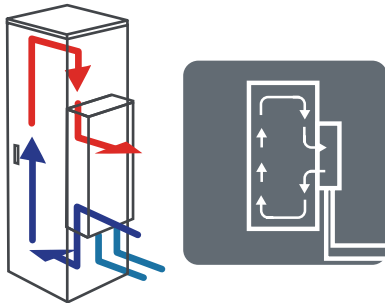
T° AIR CONDITIONING

AIR CONDITIONERS



The cooling devices permit air to obtain an internal temperature inside the cabinet bottom inferior to external temperatures and at the same time maintaining the separation of the conditions inside the framework from the external conditions. This is their main use. So, when the outside air temperature is elevated (and therefore not suitable to dissipate heat by ventilation) and there is also the need to maintain a separate environment inside the framework from the outside, the air conditioning system shows its reason to exist.

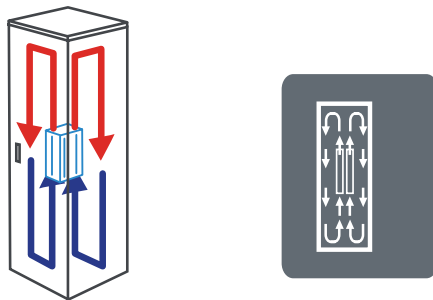
AIR/WATER EXCHANGERS



The air-water heat exchangers control cabinet meet the requirements to steadily maintain the temperature inside by exploiting cool water from the water circuits. They are suitable for use in environments where the frameworks electricity requires a high degree of protection (Presence of water jets, conductive dust, etc..).

T° ANTI-CONDENSATION

SOMETIMES IS BETTER TO WARM UP..



The use of a heater prevents condensation inside electrical panels; ensuring minimum temperature. Their use is to support the proper functioning of the other components present in the control cabinet.

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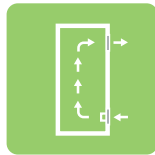


T° VENTILATION

COOLING **FORCED**
AIR VENTILATION

RCQ 50.11

110X110 - 35 m³/h

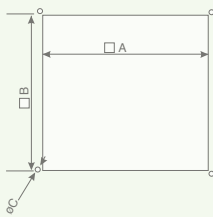


RCQ 50.11

- Axial fans supplied with grille and filter;
- Low external profile;
- IP54 protection degree (IP44 on request);
- Maximum operating temperature: +70°C;
- Quick and functional assembly of the fan on the electrical cabinet through elastic click hooks and gasket pre-installed on the product;
- Possible installation with screws (not provided);
- Body made of ABS self-extinguishing material grey RAL 7035;
- Ball bearing motor;
- Grille in grey RAL 7035 (RAL 7032, black RAL 9005 available on request);
- Easily removable grille to allow quick replacement of the filter;
- Slotted external grilles to allow drainage of condensation;
- In accordance with European Standard EN 60529, EN 60335-2-80;
- Available UL version.

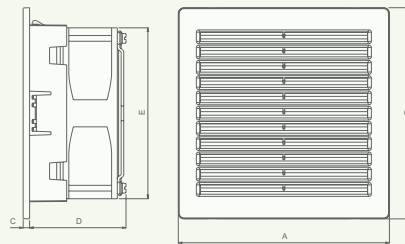
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DRILLING SCHEME FOR FAN ASSEMBLY AND GRILLE

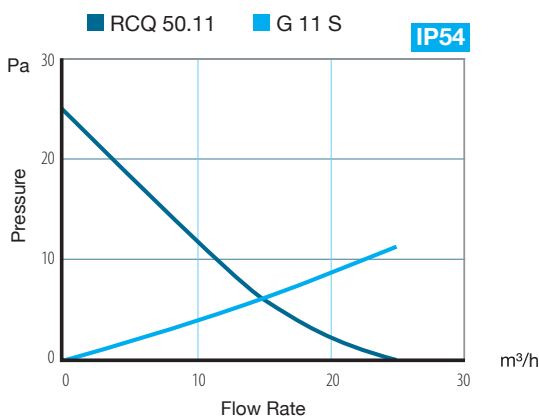


Model	A	B	∅C
RCQ 50.11	92x92	95x95	2,6

DIMENSIONS



Model	A	B	C	D	E
RCQ 50.11	110	110	4,5	61	80



TECHNICAL DATA

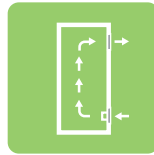
Model intake	Code	Model extraction	Code	IP grade	Grille colour	Volt	Hz	Flow rate m³/h		W	Nom. Curr. in A	dB(A) _{3m}	Kg
								with filter	without filter				
RCQ 50.11	0104535	RCQ 50.11 E	0104935	IP54	GREY RAL 7035	12	-	25	35	3	0,15	30	0,2
RCQ 50.11	0104635	RCQ 50.11 E	0105035	IP54	GREY RAL 7035	24	-	25	35	3	0,08	30	0,2
RCQ 50.11	0104735	RCQ 50.11 E	0105135	IP54	GREY RAL 7035	110-120	50/60	25	35	9	0,12	32	0,4
RCQ 50.11	0104835	RCQ 50.11 E	0105235	IP54	GREY RAL 7035	220-240	50/60	25	35	9	0,06	32	0,4

UL VERSION

RCQ 50.11 UL	0204535	RCQ 50.11 E - UL	0204935	IP54	GREY RAL 7035	12	-	25	35	3	0,15	30	0,2
RCQ 50.11 UL	0204635	RCQ 50.11 E - UL	0205035	IP54	GREY RAL 7035	24	-	25	35	3	0,08	30	0,2
RCQ 50.11 UL	0204735	RCQ 50.11 E - UL	0205135	IP54	GREY RAL 7035	110-120	50/60	25	35	9	0,12	32	0,4
RCQ 50.11 UL	0204835	RCQ 50.11 E - UL	0205235	IP54	GREY RAL 7035	220-240	50/60	25	35	9	0,06	32	0,4

RC 12.13

130X140 – 67 m³/h

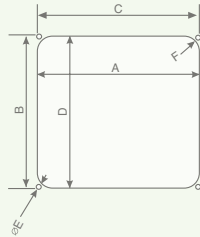


RC 12.13

- Axial fans supplied with grille and filter;
- Medium external profile;
- IP44 or IP54 protection degree;
- Quick and functional assembly of the fan on the electrical cabinet through elastic click hooks and gasket pre-installed on the product;
- Maximum operating temperature: +50°C;
- Electrical connection through terminal block;
- Possible installation with screws (provided);
- Ball bearing motor;
- Body made of ABS self-extinguishing material grey RAL 7035;
- Grilles in grey RAL 7032 and 7035, black RAL 9005;
- Easily removable grille to allow quick replacement of the filter;
- Slotted external grilles to allow drainage of condensation;
- In accordance with European Standard EN 60529, EN 60335-2-80.

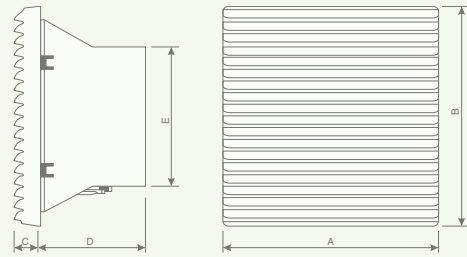
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DRILLING SCHEME FOR FAN ASSEMBLY AND GRILLE

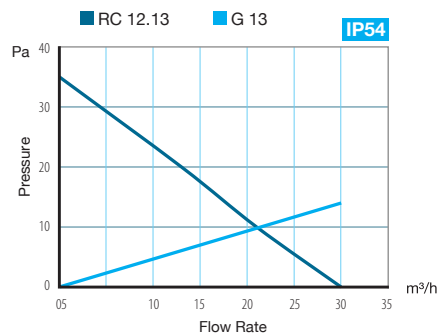
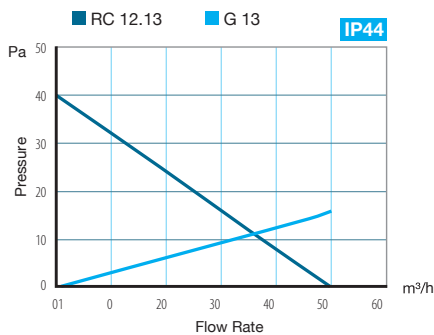


Model	A	B	C	D	∅ E	F
RC 12.13	117	123	115	125	3	12

DIMENSIONS



Model	A	B	C	D	∅ E	Kg
RC 12.13	130	140	24	74	114	0,6

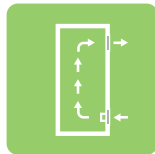


TECHNICAL DATA

Model	Code	IP Grade	Grille Colour	Volt 50/60 Hz	Flow rate m³/h		W	Nom. Curr. in A	dB(A) 3m	Kg
					with filter	without filter				
RC 12.13	0095532	IP44	GREY RAL 7032	220-240	50	67	17	0,11	38	0,6
RC 12.13	0095535	IP44	GREY RAL 7035	220-240	50	67	17	0,11	38	0,6
RC 12.13	0095505	IP44	BLACK RAL 9005	220-240	50	67	17	0,11	38	0,6
RC 12.13	0095932	IP44	GREY RAL 7032	110-120	50	67	17	0,22	38	0,6
RC 12.13	0095935	IP44	GREY RAL 7035	110-120	50	67	17	0,22	38	0,6
RC 12.13	0095905	IP44	BLACK RAL 9005	110-120	50	67	17	0,22	38	0,6
RC 12.13	0090132	IP54	GREY RAL 7032	220-240	30	67	17	0,11	38	0,6
RC 12.13	0090135	IP54	GREY RAL 7035	220-240	30	67	17	0,11	38	0,6
RC 12.13	0090105	IP54	BLACK RAL 9005	220-240	30	67	17	0,11	38	0,6
RC 12.13	0090032	IP54	GREY RAL 7032	110-120	30	67	17	0,22	38	0,6
RC 12.13	0090035	IP54	GREY RAL 7035	110-120	30	67	17	0,22	38	0,6
RC 12.13	0090005	IP54	BLACK RAL 9005	110-120	30	67	17	0,22	38	0,6

RCQ 160.15

150X150 - 120 m³/h

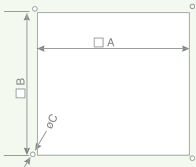


RC 160.15

- Axial fans supplied with grille and filter;
- Low external profile ;
- IP55 or IP54 Protection degree (IP44 on request);
- Maximum operating temperature: +70° C;
- Quick and functional assembly of the fan of the electrical cabinet through elastic click hooks and gasket pre-installed on the product;
- Possible installation with screws (not provided);
- Body made of ABS self extinguishing material;
- Ball bearing motor;
- Grille in GREY RAL 7035 (RAL 7032, black RAL 9005 available on request);
- Easily removable grille to allow quick replacement of the filter;
- In accordance with European Standard EN 60529, EN 60335-2-80;
- Available UL version.

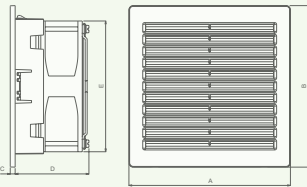
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DRILLING SCHEME FOR FAN ASSEMBLY AND GRILLE

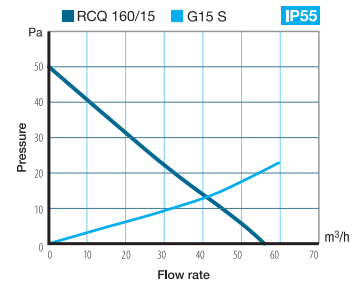
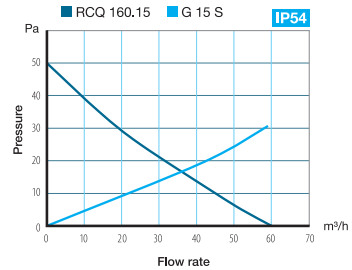


Model	A	B	øC
RCQ 160.15	125x125	131x131	4,5

DIMENSIONS



Model	A	B	C	D	E
RCQ 160.15	148	148	5	68	120



TECHNICAL DATA

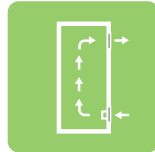
Model intake	Code	Model extraction	Code	IP grade	Grille Colour	Volt	Hz	Flow rate max m³/h		W	Nom. Curr. in A	dB(A) _{3m}	Kg
								with filter	without filter				
RCQ 160.15	0100335	RCQ 160.15 E	0101635	IP54	GREY RAL 7035	12	-	55	120	5	0,4	37	0,5
RCQ 160.15	0100435	RCQ 160.15 E	0101735	IP54	GREY RAL 7035	24	-	55	120	5	0,2	37	0,5
RCQ 160.15	0105335	RCQ 160.15 E	0105535	IP54	GREY RAL 7035	12	50/60	60	110	17	2	40	0,75
RCQ 160.15	0104335	RCQ 160.15 E	0104435	IP54	GREY RAL 7035	24	50/60	60	110	15	1	40	0,75
RCQ 160.15	0105435	RCQ 160.15 E	0105635	IP54	GREY RAL 7035	48	50/60	60	110	16	0,5	40	0,75
RCQ 160.15	0100235	RCQ 160.15 E	0101835	IP54	GREY RAL 7035	110-120	50/60	60	110	20	0,25	40	0,75
RCQ 160.15	0100135	RCQ 160.15 E	0101935	IP54	GREY RAL 7035	220-240	50/60	60	110	20	0,125	40	0,75
RCQ 160.15	0100355	-	-	IP55	GREY RAL 7035	12	-	51	120	5	0,4	37	0,5
RCQ 160.15	0100455	-	-	IP55	GREY RAL 7035	24	-	51	120	5	0,2	37	0,5
RCQ 160.15	0100755	-	-	IP55	GREY RAL 7035	12	50/60	56	110	17	2	40	0,75
RCQ 160.15	0100855	-	-	IP55	GREY RAL 7035	24	50/60	56	110	15	1	40	0,75
RCQ 160.15	0101155	-	-	IP55	GREY RAL 7035	48	50/60	56	110	16	0,5	40	0,75
RCQ 160.15	0100255	-	-	IP55	GREY RAL 7035	110-120	50/60	56	110	20	0,25	40	0,75
RCQ 160.15	0100155	-	-	IP55	GREY RAL 7035	220-230	50/60	56	110	20	0,125	40	0,75

UL VERSION

RCQ 160.15 UL	0200335	RCQ 160.15 E	0201635	IP54	GREY RAL 7035	12	-	55	120	5	0,4	37	0,5
RCQ 160.15 UL	0200435	RCQ 160.15 E	0201735	IP54	GREY RAL 7035	24	-	55	120	5	0,2	37	0,5
RCQ 160.15 UL	0205335	RCQ 160.15 E	0205535	IP54	GREY RAL 7035	12	50/60	60	110	17	2	40	0,75
RCQ 160.15 UL	0204335	RCQ 160.15 E	0204435	IP54	GREY RAL 7035	24	50/60	60	110	15	1	40	0,75
RCQ 160.15 UL	0205435	RCQ 160.15 E	0205635	IP54	GREY RAL 7035	48	50/60	60	110	16	0,5	40	0,75
RCQ 160.15 UL	0200235	RCQ 160.15 E	0201835	IP54	GREY RAL 7035	110-120	50/60	60	110	20	0,25	40	0,75
RCQ 160.15 UL	0200135	RCQ 160.15 E	0201935	IP54	GREY RAL 7035	220-240	50/60	60	110	20	0,125	40	0,75
RCQ 160.15 UL	0200355	-	-	IP55	GREY RAL 7035	12	-	51	120	5	0,4	37	0,5
RCQ 160.15 UL	0200455	-	-	IP55	GREY RAL 7035	24	-	51	120	5	0,2	37	0,5
RCQ 160.15 UL	0200755	-	-	IP55	GREY RAL 7035	12	50/60	56	110	17	2	40	0,75
RCQ 160.15 UL	0200855	-	-	IP55	GREY RAL 7035	24	50/60	56	110	15	1	40	0,75
RCQ 160.15 UL	0201155	-	-	IP55	GREY RAL 7035	48	50/60	56	110	16	0,5	40	0,75
RCQ 160.15 UL	0200255	-	-	IP55	GREY RAL 7035	110-120	50/60	56	110	20	0,25	40	0,75
RCQ 160.15 UL	0200155	-	-	IP55	GREY RAL 7035	220-240	50/60	56	110	20	0,125	40	0,75

RC 14.25

250X250 - 250 m³/h

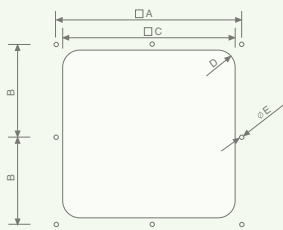


RC 14.25

- Axial fans supplied with grille and filter;
- Medium external profile;
- IP44 or IP54 protection degree;
- Quick and functional assembly of the fan on the electrical cabinet through elastic click hooks and gasket pre-installed on the product;
- Maximum operating temperature: +50°C;
- Possible installation with screws (provided);
- Electrical connection through terminal block;
- Ball bearing motor;
- Body made of ABS self-extinguishing material grey RAL 7035;
- Grilles in grey RAL 7032 and 7035, black RAL 9005;
- Easily removable grille to allow quick replacement of the filter;
- In accordance with European Standard EN 60529, EN 60335-2-80.

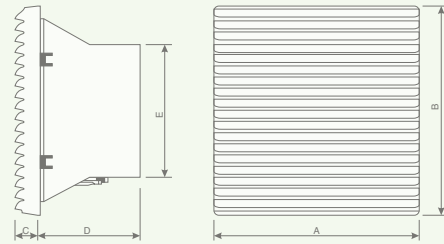
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DRILLING SCHEME FOR FAN ASSEMBLY AND GRILLE

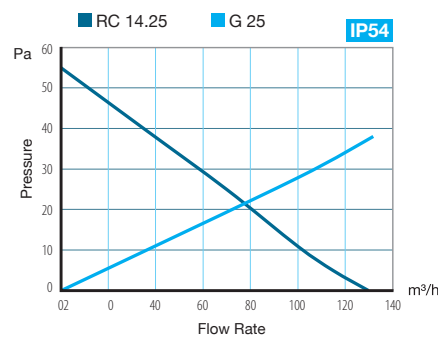
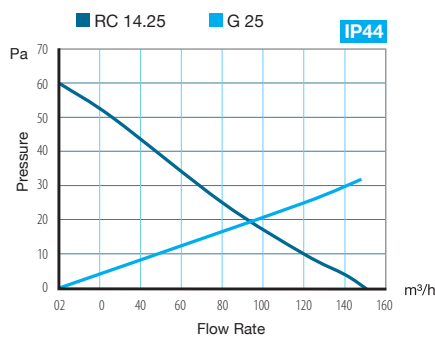


Model	A	B	C	D (r)	ø E
RC 14.25	232	116	220	15	3,5

DIMENSIONS



Model	A	B	C	D	ø E	Kg
RC 14.25	256	256	29	91	147	1,2



TECHNICAL DATA

Model	Code	IP Grade	Grille Colour	Volt 50/60 Hz	Flow rate m³/h		W	Nom. Curr. in A	dB(A) 3m	Kg
					with filter	without filter				
RC 14.25	0090332	IP44	GREY RAL 7032	220-240	150	250	30	0,22	40	1,2
RC 14.25	0090335	IP44	GREY RAL 7035	220-240	150	250	30	0,22	40	1,2
RC 14.25	0090305	IP44	BLACK RAL 9005	220-240	150	250	30	0,22	40	1,2
RC 14.25	0090232	IP44	GREY RAL 7032	110-120	150	250	30	0,44	40	1,2
RC 14.25	0090235	IP44	GREY RAL 7035	110-120	150	250	30	0,44	40	1,2
RC 14.25	0090205	IP44	BLACK RAL 9005	110-120	150	250	30	0,44	40	1,2
RC 14.25	0090632	IP54	GREY RAL 7032	220-240	130	250	30	0,22	40	1,2
RC 14.25	0090635	IP54	GREY RAL 7035	220-240	130	250	30	0,22	40	1,2
RC 14.25	0090605	IP54	BLACK RAL 9005	220-240	130	250	30	0,22	40	1,2
RC 14.25	0090432	IP54	GREY RAL 7032	110-120	130	250	30	0,44	40	1,2
RC 14.25	0090435	IP54	GREY RAL 7035	110-120	130	250	30	0,44	40	1,2
RC 14.25	0090405	IP54	BLACK RAL 9005	110-120	130	250	30	0,44	40	1,2

RCQ 370.25

250X250 - 300 m³/h

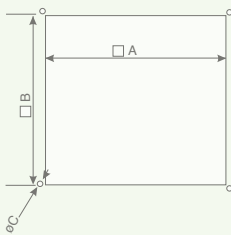


RCQ 370.25

- Axial fans supplied with grille and filter;
- Low external profile;
- IP54 protection degree (IP44 on request);
- Maximum operating temperature: +70°C;
- Quick and functional assembly of the fan on the electrical cabinet through elastic click hooks and gasket pre-installed on the product;
- Possible installation with screws (not provided);
- Body made of ABS self-extinguishing material grey RAL 7035;
- Ball bearing motor;
- Grille in grey RAL 7035 (RAL 7032, black RAL 9005 on request);
- Easily removable grille to allow quick replacement of the filter;
- In accordance with European Standard EN 60529, EN 60335-2-80;
- Available UL version.

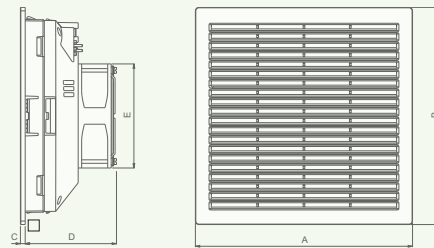
Accessories page 20 and 39

DRILLING SCHEME FOR FAN ASSEMBLY AND GRILLE

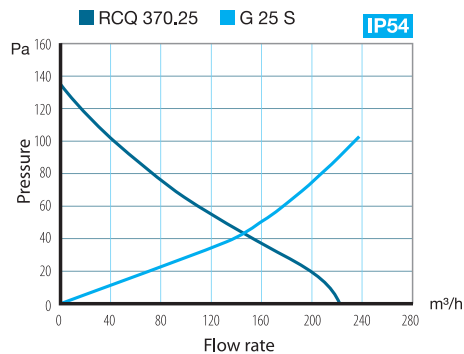
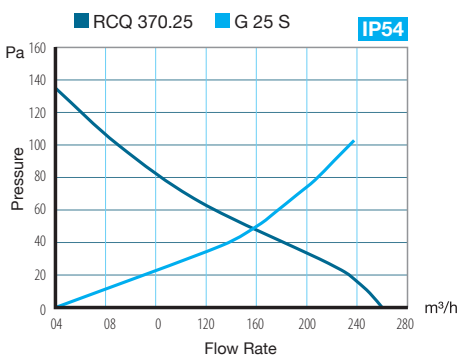


Model	A	B	∅C
RCQ 370.25	223x223	230÷234x230÷234	4,5

DIMENSIONS



Model	A	B	C	D	E
RCQ 370.25	250	250	5,5	118	152x172



TECHNICAL DATA

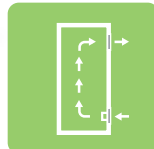
Model intake	Code	Model extraction	Code	IP Grade	Grille colour	Volt	Hz	Flow rate m³/h		W	Nom. Curr. in A	dB(A) _{3m}	Kg
								with filter	without filter				
RCQ 370.25	0101135	RCQ 370.25 E	0102435	IP54	GREY RAL 7035	12	-	220	260	9	0,86	50	1,5
RCQ 370.25	0101235	RCQ 370.25 E	0102535	IP54	GREY RAL 7035	24	-	220	260	9	0,43	50	1,5
RCQ 370.25	0106535	RCQ 370.25 E	0106635	IP54	GREY RAL 7035	48	-	220	260	13	0,28	50	1,5
RCQ 370.25	0101035	RCQ 370.25 E	0102635	IP54	GREY RAL 7035	110-120	50/60	260	300	25	0,22	50	1,6
RCQ 370.25	0100935	RCQ 370.25 E	0102735	IP54	GREY RAL 7035	220-240	50/60	260	300	25	0,11	50	1,6

UL VERSION

RCQ 370.25 UL	0201035	RCQ 370.25 E - UL	0202635	IP54	GREY RAL 7035	110-120	50/60	260	300	25	0,22	50	1,6
RCQ 370.25 UL	0200935	RCQ 370.25 E - UL	0202735	IP54	GREY RAL 7035	220-240	50/60	260	300	25	0,11	50	1,6

RCQ 160.25

250X250 - 145 m³/h

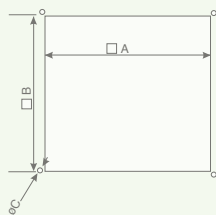


RCQ 160.25

- Axial fans supplied with grille and filter;
- Low external profile;
- IP54 protection degree (IP44 on request);
- Maximum operating temperature: +70°C;
- Quick and functional assembly of the fan on the electrical cabinet through elastic click hooks and gasket pre-installed on the product;
- Possible installation with screws (not provided);
- Body made of ABS self-extinguishing material grey RAL 7035;
- Ball bearing motor;
- Grille in grey RAL 7035 (RAL 7032, black RAL 9005 on request);
- Easily removable grille to allow quick replacement of the filter;
- In accordance with European Standard EN 60529, EN 60335-2-80;
- Available UL version.

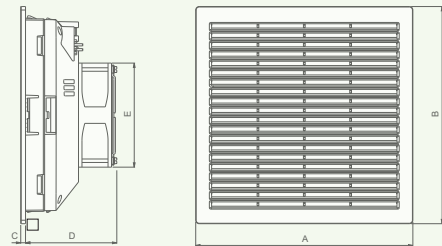
Accessories page 20 and 39

DRILLING SCHEME FOR FAN ASSEMBLY AND GRILLE

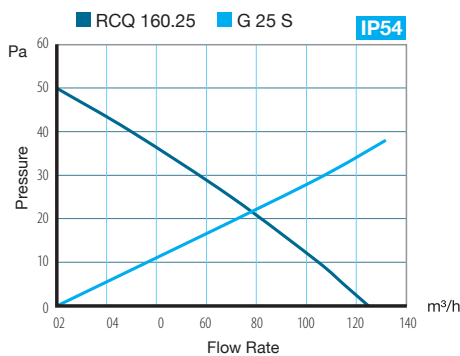


Model	A	B	øC
RCQ 160.25	223x223	230÷234x230÷234	4,5

DIMENSIONS



Model	A	B	C	D	E
RCQ 160.25	250	250	5,5	105	120



TECHNICAL DATA

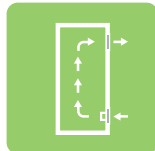
Model intake	Code	Model extraction	Code	IP Grade	Grille Colour	Volt	Hz	Flow rate m³/h		W	Nom. Curr. in A	dB(A) 3m	Kg
								with filter	without filter				
RCQ 160.25	0100735	RCQ 160.25 E	0102035	IP54	GREY RAL 7035	12	-	120	145	5	0,4	37	0,9
RCQ 160.25	0100835	RCQ 160.25 E	0102135	IP54	GREY RAL 7035	24	-	120	145	5	0,2	37	0,9
RCQ 160.25	0100635	RCQ 160.25 E	0102235	IP54	GREY RAL 7035	110-120	50/60	125	135	20	0,25	39	1,2
RCQ 160.25	0100535	RCQ 160.25 E	0102335	IP54	GREY RAL 7035	220-240	50/60	125	135	20	0,125	39	1,2
RCQ 160.25	0105735	RCQ 160.25 E	0106035	IP54	GREY RAL 7035	12	50/60	125	135	17	2	39	0,9
RCQ 160.25	0105835	RCQ 160.25 E	0106135	IP54	GREY RAL 7035	24	50/60	125	135	15	1	39	0,9
RCQ 160.25	0105935	RCQ 160.25 E	0106235	IP54	GREY RAL 7035	48	50/60	125	135	16	0,5	39	0,9

UL VERSION

RCQ 160.25 UL	0200735	RCQ 160.25 E - UL	0202035	IP54	GREY RAL 7035	12	-	120	145	5	0,4	37	0,9
RCQ 160.25 UL	0200835	RCQ 160.25 E - UL	0202135	IP54	GREY RAL 7035	24	-	120	145	5	0,2	37	0,9
RCQ 160.25 UL	0205735	RCQ 160.25 E - UL	0206035	IP54	GREY RAL 7035	12	50/60	125	135	17	2	39	0,9
RCQ 160.25 UL	0205835	RCQ 160.25 E - UL	0206135	IP54	GREY RAL 7035	24	50/60	125	135	15	1	39	0,9
RCQ 160.25 UL	0205935	RCQ 160.25 E - UL	0206235	IP54	GREY RAL 7035	48	50/60	125	135	16	0,5	39	0,9
RCQ 160.25 UL	0200635	RCQ 160.25 E - UL	0202235	IP54	GREY RAL 7035	110-120	50/60	125	135	20	0,25	39	1,2
RCQ 160.25 UL	0200535	RCQ 160.25 E - UL	0202335	IP54	GREY RAL 7035	220-240	50/60	125	135	20	0,125	39	1,2

RC 14.32

320X320 - 270 m³/h

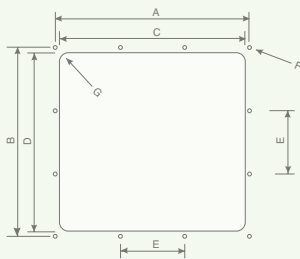


RC 14.32

- Axial fans supplied with grille and filter;
- Medium external profile;
- IP44 or IP54 protection degree;
- Quick and functional assembly of the fan on the electrical cabinet through elastic click hooks and gasket pre-installed on the product;
- Maximum operating temperature: +50°C;
- Possible installation with screws (provided);
- Electrical connection through terminal block;
- Ball bearing motor;
- Body made of ABS self-extinguishing material grey RAL 7035;
- Grilles in grey RAL 7032 and 7035, black RAL 9005;
- Easily removable grille to allow quick replacement of the filter;
- In accordance with European Standard EN 60529, EN 60335-2-80.

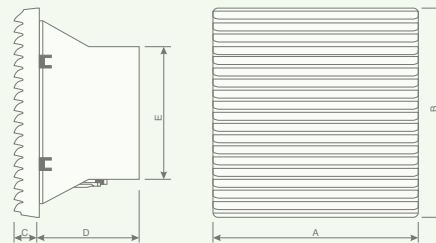
Accessories page 19 and 39

DRILLING SCHEME FOR FAN ASSEMBLY AND GRILLE

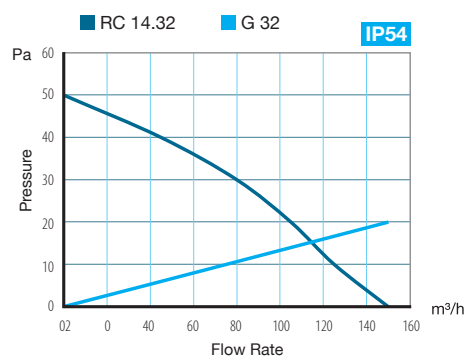
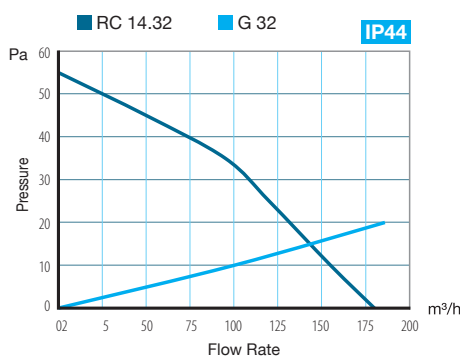


Model	A	B	C	D	E	F (ø)	G (r)
RC 14.32	302	297	287	281	100	3,5	12,5

DIMENSIONS



Model	A	B	C	D	øE	Kg
RC 14.32	323	322	34	145	147	1,6

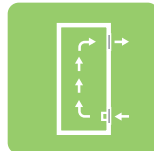


TECHNICAL DATA

Model	Code	IP Grade	Grille Colour	Volt 50/60 Hz	Flow rate m³/h		W	Nom. Curr. in A	dB(A) 3m	Kg
					with filter	without filter				
RC 14.32	0097132	IP44	GREY RAL 7032	220-240	180	270	30	0,22	39	1,6
RC 14.32	0097135	IP44	GREY RAL 7035	220-240	180	270	30	0,22	39	1,6
RC 14.32	0097105	IP44	BLACK RAL 9005	220-240	180	270	30	0,22	39	1,6
RC 14.32	0097232	IP44	GREY RAL 7032	110-120	180	270	30	0,44	39	1,6
RC 14.32	0097235	IP44	GREY RAL 7035	110-120	180	270	30	0,44	39	1,6
RC 14.32	0097205	IP44	BLACK RAL 9005	110-120	180	270	30	0,44	39	1,6
RC 14.32	0089432	IP54	GREY RAL 7032	220-240	150	270	30	0,22	39	1,6
RC 14.32	0089435	IP54	GREY RAL 7035	220-240	150	270	30	0,22	39	1,6
RC 14.32	0089405	IP54	BLACK RAL 9005	220-240	150	270	30	0,22	39	1,6
RC 14.32	0089332	IP54	GREY RAL 7032	110-120	150	270	30	0,44	39	1,6
RC 14.32	0089335	IP54	GREY RAL 7035	110-120	150	270	30	0,44	39	1,6
RC 14.32	0089305	IP54	BLACK RAL 9005	110-120	150	270	30	0,44	39	1,6

RC 20.32

320X320 - 520 m³/h

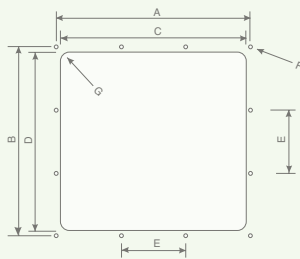


RC 20.32

- Axial fans supplied with grille and filter;
- Medium external profile;
- IP44 or IP54 protection degree;
- Quick and functional assembly of the fan on the electrical cabinet through elastic click hooks and gasket pre-installed on the product;
- Maximum operating temperature: +50°C;
- Possible installation with screws (provided);
- Electrical connection through terminal block;
- Ball bearing motor;
- Body made of ABS self-extinguishing material grey RAL 7035;
- Grilles in grey RAL 7032 and 7035, black RAL 9005;
- Easily removable grille to allow quick replacement of the filter;
- In accordance with European Standard EN 60529, EN 60335-2-80.

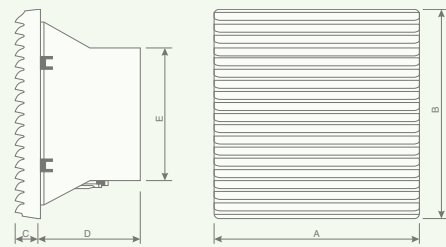
Accessories page 19 and 39

DRILLING SCHEME FOR FAN ASSEMBLY AND GRILLE

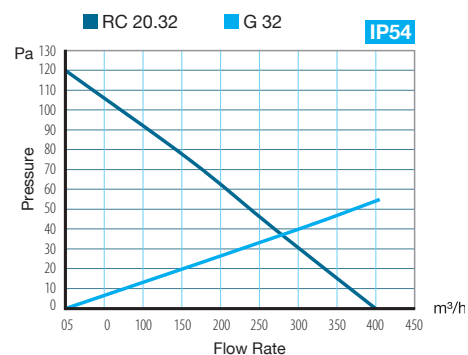
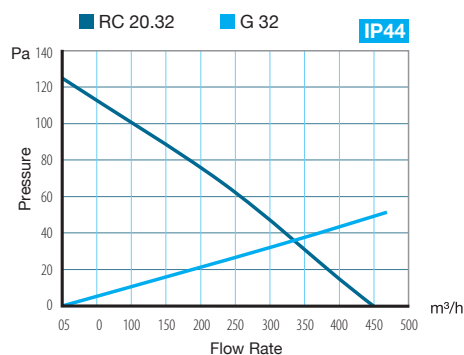


Model	A	B	C	D	E	F (φ)	G (r)
RC 20.32	302	297	287	281	100	3,5	12,5

DIMENSIONS



Model	A	B	C	D	φE	Kg
RC 20.32	323	322	34	140	204	2,6

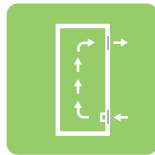


TECHNICAL DATA

Model	Code	IP Grade	Grille Colour	Volt 50/60 Hz	Flow rate m³/h		W	Nom. Curr. in A	dB(A) 3m	Kg
					with filter	without filter				
RC 20.32	0095732	IP44	GREY RAL 7032	220-240	450	520	35	0,15	55	2,6
RC 20.32	0095735	IP44	GREY RAL 7035	220-240	450	520	35	0,15	55	2,6
RC 20.32	0095705	IP44	BLACK RAL 9005	220-240	450	520	35	0,15	55	2,6
RC 20.32	0096132	IP44	GREY RAL 7032	110-120	450	520	35	0,3	55	2,6
RC 20.32	0096135	IP44	GREY RAL 7035	110-120	450	520	35	0,3	55	2,6
RC 20.32	0096105	IP44	BLACK RAL 9005	110-120	450	520	35	0,3	55	2,6
RC 20.32	0089632	IP54	GREY RAL 7032	220-240	400	520	35	0,15	55	2,6
RC 20.32	0089635	IP54	GREY RAL 7035	220-240	400	520	35	0,15	55	2,6
RC 20.32	0089605	IP54	BLACK RAL 9005	220-240	400	520	35	0,15	55	2,6
RC 20.32	0089532	IP54	GREY RAL 7032	110-120	400	520	35	0,3	55	2,6
RC 20.32	0089535	IP54	GREY RAL 7035	110-120	400	520	35	0,3	55	2,6
RC 20.32	0089505	IP54	BLACK RAL 9005	110-120	400	520	35	0,3	55	2,6

RC 20.32 S

320X320 - 520 m³/h

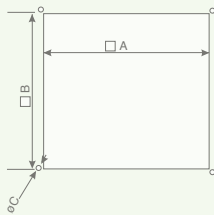


RC 20.32 S

- Axial fans supplied with grille and filter;
- Low external profile;
- IP44 or IP54 protection degree;
- Quick and functional assembly of the fan on the electrical cabinet through elastic click hooks and gasket pre-installed on the product;
- Maximum operating temperature: +50°C;
- Possible installation with screws (not provided);
- Electrical connection through terminal block;
- Ball bearing motor;
- Body made of ABS self-extinguishing material grey RAL 7035;
- Grilles in grey RAL 7032 and 7035, black RAL 9005;
- Easily removable grille to allow quick replacement of the filter;
- In accordance with European Standard EN 60529, EN 60335-2-80.

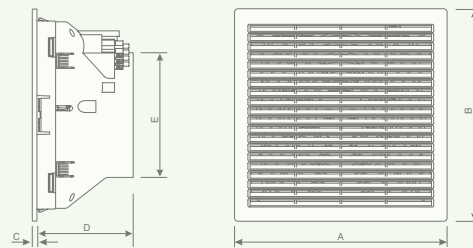
Accessories page 20 and 39

DRILLING SCHEME FOR FAN ASSEMBLY AND GRILLE

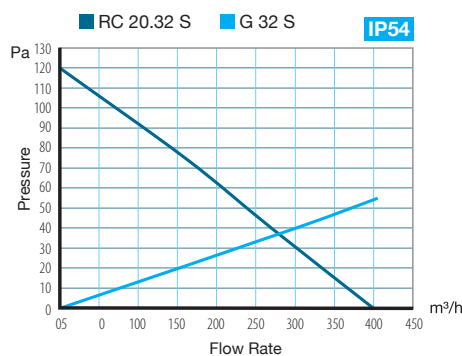
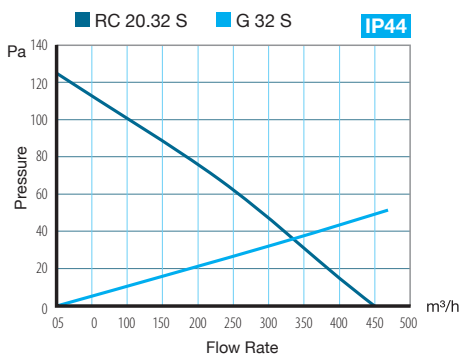


Model	A	B	øC
RC 20.32 S	291x291	302x302	4,5

DIMENSIONS



Model	A	B	C	D	øE	Kg
RC 20.32 S	318,5	318,5	5,5	160	204	2,6

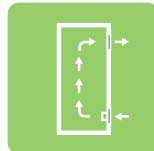


TECHNICAL DATA

Model intake	Code	Model extraction	Code	IP Grade	Grille Colour	Volt 50/60 Hz	Flow rate m³/h		W	Corr. nom. in A	dB(A) 3m	Kg
							with filter	without filter				
RC 20.32 S	0093432	-	-	IP44	GREY RAL 7032	220-240	450	520	35	0,15	55	2,6
RC 20.32 S	0093435	RC 20.32 S E	0103135	IP44	GREY RAL 7035	220-240	450	520	35	0,15	55	2,6
RC 20.32 S	0093405	-	-	IP44	BLACK RAL 9005	220-240	450	520	35	0,15	55	2,6
RC 20.32 S	0091132	-	-	IP44	GREY RAL 7032	110-120	450	520	35	0,3	55	2,6
RC 20.32 S	0091135	RC 20.32 S E	0103235	IP44	GREY RAL 7035	110-120	450	520	35	0,3	55	2,6
RC 20.32 S	0091105	-	-	IP44	BLACK RAL 9005	110-120	450	520	35	0,3	55	2,6
RC 20.32 S	0099732	-	-	IP54	GREY RAL 7032	220-240	400	520	35	0,15	55	2,6
RC 20.32 S	0099735	RC 20.32 S E	0103335	IP54	GREY RAL 7035	220-240	400	520	35	0,15	55	2,6
RC 20.32 S	0099705	-	-	IP54	BLACK RAL 9005	220-240	400	520	35	0,15	55	2,6
RC 20.32 S	0092232	-	-	IP54	GREY RAL 7032	110-120	400	520	35	0,3	55	2,6
RC 20.32 S	0092235	RC 20.32 S E	0103435	IP54	GREY RAL 7035	110-120	400	520	35	0,3	55	2,6
RC 20.32 S	0092205	-	-	IP54	BLACK RAL 9005	110-120	400	520	35	0,3	55	2,6

RC 20.32 SP

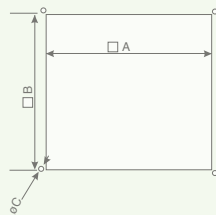
320X320 - 800 m³/h



RC 20.32 SP

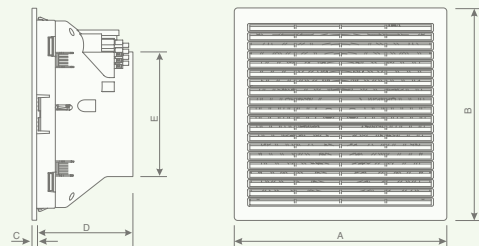
- Axial fans supplied with grille and filter;
- Low external profile;
- IP44 or IP54 protection degree;
- Quick and functional assembly of the fan on the electrical cabinet through elastic click hooks and gasket pre-installed on the product;
- Maximum operating temperature: +50°C;
- Possible installation with screws (not provided);
- Electrical connection through terminal block;
- Ball bearing motor;
- Body made of ABS self-extinguishing material grey RAL 7035;
- Grilles in grey RAL 7032 and 7035, black RAL 9005;
- Easily removable grille to allow quick replacement of the filter;
- In accordance with European Standard EN 60529, EN 60335-2-80.

DRILLING SCHEME FOR FAN ASSEMBLY AND GRILLE

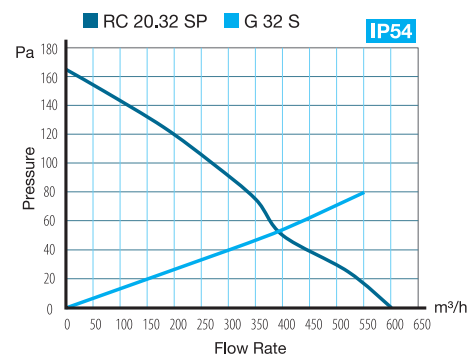
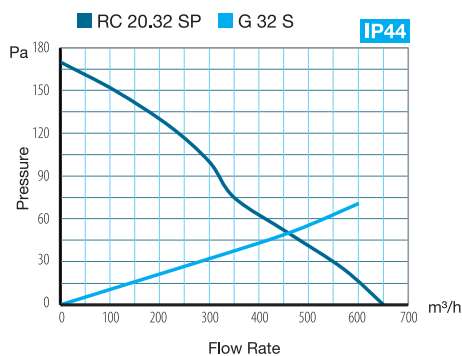


Model	A	B	∅ C
RC 20.32 SP	291x291	302x302	4,5

DIMENSIONS



Model	A	B	C	D	∅ E	Kg
RC 20.32 SP	318,5	318,5	5,5	160	204	2,6



TECHNICAL DATA

Model intake	Code	Model extraction	Code	IP Grade	Grille Colour	Volt 50/60 Hz	Flow rate m³/h		W	Nom. Curr. in A	dB(A) 3m	Kg
							with filter	without filter				
RC 20.32 SP	0103935	RC 20.32 SP E	0104135	IP44	GREY RAL 7035	220-240	650	800	55	0,3	56	2,6
RC 20.32 SP	0104035	RC 20.32 SP E	0104235	IP44	GREY RAL 7035	110-120	650	800	55	0,6	56	2,6
RC 20.32 SP	0103535	RC 20.32 SP E	0103735	IP54	GREY RAL 7035	220-240	600	800	55	0,3	56	2,6
RC 20.32 SP	0103635	RC 20.32 SP E	0103835	IP54	GREY RAL 7035	110-120	600	800	55	0,6	56	2,6

SYSTEMA



SYSTEMA

- Complete ventilation system;
- Kit composed of: complete fan with grille and filter grille for air exhaust
filter for air exhaust grille;
- IP43, IP44, IP54 or IP55 protection degrees;
- Body and grille made of ABS self-extinguishing material grey RAL 7035;
- In accordance with European Standard EN 60529, EN 60335-2-80.

OPERATION

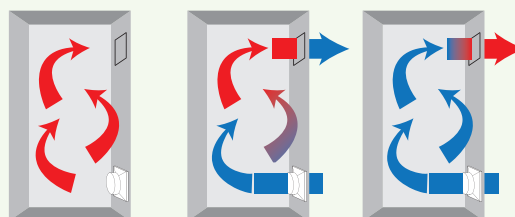
The outside air is filtered and drawn into the lower section of the control cabinet.

After cooling the warm air is drawn out through a grille which is situated at the top of the control cabinet.

This process generates considerable advantages in terms of life and quality of the functioning of the fans. The internal over-pressure prevents the possible entry of dust into the control cabinets ensuring better performance of the electrical and electronic equipment fitted inside.

Maintain as much distance as possible between the fan and the grille.

A regular maintenance of the filters is recommended to ensure better and lasting operation of the fans.



TECHNICAL DATA

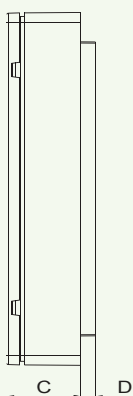
Model	Code	IP Grade	Grille Colour	Volt 50/60 Hz	Flow rate m ³ /h		W	Nom. Curr. in A	dB(A) 3m	Kg
					with filter	without filter				
SYSTEMA 10.13	0097500	IP44	GREY RAL 7035	220-240	24	59	16	0,1	38	0,6
SYSTEMA 10.13	0098300	IP44	GREY RAL 7035	110-120	24	59	16	0,2	38	0,6
SYSTEMA 12.13	0097600	IP44	GREY RAL 7035	220-240	42	67	17	0,11	38	0,6
SYSTEMA 12.13	0098400	IP44	GREY RAL 7035	110-120	42	67	17	0,22	38	0,6
SYSTEMA 12.13	0097400	IP54	GREY RAL 7035	220-240	20	67	17	0,11	38	0,6
SYSTEMA 12.13	0097300	IP54	GREY RAL 7035	110-120	20	67	17	0,22	38	0,6
SYSTEMA 14.25	0097700	IP43	GREY RAL 7035	220-240	115	250	30	0,22	40	1,2
SYSTEMA 14.25	0098500	IP43	GREY RAL 7035	110-120	115	250	30	0,44	40	1,2
SYSTEMA 14.25	0097800	IP44	GREY RAL 7035	220-240	110	250	30	0,22	40	1,2
SYSTEMA 14.25	0098600	IP44	GREY RAL 7035	110-120	110	250	30	0,44	40	1,2
SYSTEMA 14.25	0099200	IP54	GREY RAL 7035	220-240	85	250	30	0,22	40	1,2
SYSTEMA 14.25	0099300	IP54	GREY RAL 7035	110-120	85	250	30	0,44	40	1,2
SYSTEMA 14.32	0097900	IP44	GREY RAL 7035	220-240	130	270	30	0,22	39	1,6
SYSTEMA 14.32	0098700	IP44	GREY RAL 7035	110-120	130	270	30	0,44	39	1,6
SYSTEMA 20.32	0098100	IP44	GREY RAL 7035	220-240	360	520	35	0,15	55	2,6
SYSTEMA 20.32	0098900	IP44	GREY RAL 7035	110-120	360	520	35	0,3	55	2,6
SYSTEMA 20.32	0098200	IP55	GREY RAL 7035	220-240	136	520	35	0,15	55	2,6
SYSTEMA 20.32	0099000	IP55	GREY RAL 7035	110-120	136	520	35	0,3	55	2,6

GRILLES AND FILTER FOR RC SERIES



DIMENSIONS

	A	B	C	D
G 13	130	140	24	22,5
G 25	256	256	30	21
G 32	323	322	36	30



DIMENSIONS

	A	B	C	D
G 15	148	148	21,5	5

Medium external profile exhaust grilles complete with filter, IP54 or IP44 protection degree. High performance filters made of unbreakable synthetic fibre. Flame protection level F1 conforming to Standard DIN 53438.

TECHNICAL DATA

Description	IP Grade	Code			For products
		RAL 7035	RAL 7032	RAL 9005	
G13 grille	IP44	0096535	0096532	0096505	RC 12.13
G13 grille	IP54	0092435	0092432	0092405	RC 12.13
G25 grille	IP44	0095135	0095132	0095105	RC 14.25
G25 grille	IP54	0092535	0092532	0092505	RC 14.25
G32 grille	IP44	0096635	0096632	0096605	RC 14.32 - RC 20.32
G32 grille	IP54	0089935	0089932	0089905	RC 14.32 - RC 20.32
G15 grille	IP54	0192635	-	-	RCQ 160.15 - SMALL FOOTPRINT

Description	Quantity	Code				For products
		IP43	IP44	IP54	IP55	
F13 filter	4	-	0096200	0096900	-	RC 12.13
F25 filter	4	0096700	0096800	0099100	-	RC 14.25
F32 filter	4	-	0096300	0094600	0096400	RC 14.32 - RC 20.32

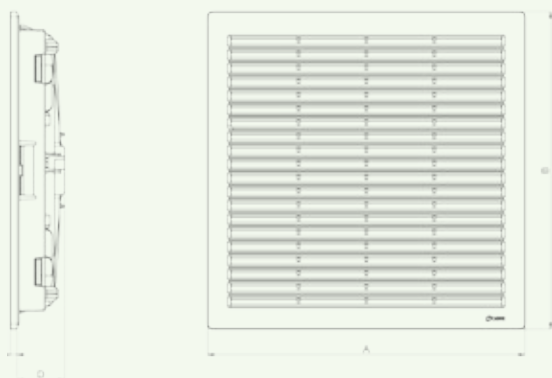
GRILLES AND FILTERS FOR RCS AND RCQ



Low profile exhaust grilles complete with filter, IP44, IP54 or IP55 protection degree.

High performance filters made of unbreakable synthetic fibre. Flame protection level F1 conforming to Standard DIN 53438

DIMENSIONS



	A	B	C	D
G 11 S	110	110	4,5	19
G 15 S	148	148	4,5	26,5
G 25 S	250	250	5,5	37
G 32 S	318,5	318,5	5,5	46

TECHNICAL DATA

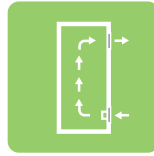
Description	IP grade	Code			For products
		RAL 7035	RAL 7032	RAL 9005	
G11 S grille	IP44	0086135	0086132	0086105	RCQ 50.11
G11 S grille	IP54	0099935	0099932	0099905	RCQ 50.11
G15 S grille	IP44	0089735	0089732	0089705	RC 12.15 S - RCQ 160.15
G15 S grille	IP54	0092635	0092632	0092605	RC 12.15 S - RCQ 160.15
G15 S grille	IP55	0092655	-	-	RCQ 160.15
G25 S grille	IP44	0090835	0090832	0090805	RC 14.25 S - RCQ 160.25 - RCQ 370.25
G25 S grille	IP54	0092835	0092832	0092805	RC 14.25 S - RCQ 160.25 - RCQ 370.25
G32 S grille	IP44	0089835	0089832	0089805	RC 20.32 S
G32 S grille	IP54	0092735	0092732	0092705	RC 20.32 S

UL VERSION

G11 S - UL	IP54	0199935	-	-	RCQ 50.11 UL version
G15 S - UL	IP54	0192635	-	-	RCQ 160.15 UL version
G15 S - UL	IP55	0192655	-	-	RCQ 160.15 IP55 UL version
G25 S - UL	IP54	0192835	-	-	RCQ 160.25 - RCQ 370.25 UL version

Description	Quantity	Code			For products
		IP44	IP54	IP55	
F15 filter	6	0088500	0088200	-	RC 12.15 S - RCQ 160.15
F15 filter	2	-	-	0088255	RCQ 160.15
F25 filter	6	0088700	0088400	-	RC 14.25 S - RCQ 160.25 - RCQ 370.25
F32 filter	6	0088600	0088300	-	RC 20.32 S

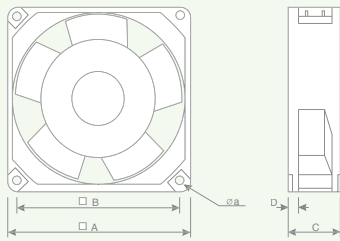
EXTRA SLIM AXIAL FANS



RQ 50 - RQ 60 - RQ 160 - RQ 370

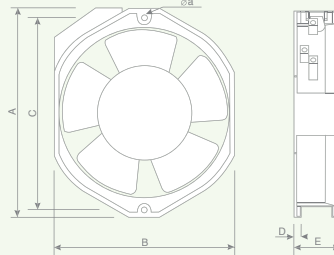
- DC and AC axial fans;
- Ball bearing motor;
- Specifically designed for fitting in electrical and electronic equipment cabinets;
- Body made of nylon for DC Models, die-cast aluminium for AC Models;
- Impeller made of nylon reinforced with fiberglass except RQ 850 model;
- Maximum operating temperature: +70°C (except RQ 850 model +60°C)

DIMENSIONS



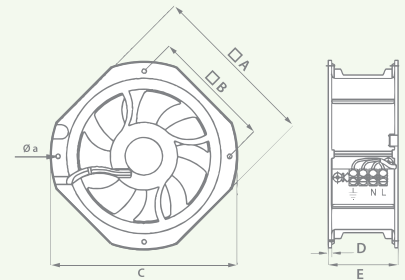
Model	∅ Hole	A	B	C	D	∅ a	Kg
RQ 50 AC	78	80	71,4	38	3,5	4,3	0,3
RQ 50 DC	78	80	71,5	25	4	4,3	0,1
RQ 60 AC	90	92	82,5	38	3,5	4,3	0,45
RQ 160 AC	117	119	105	38	4	4,3	0,6
RQ 160 DC	117	119	105	38	5	4,3	0,22

DIMENSIONS



Model	A	B	C	D	E	∅ Hole	∅ a	Kg
RQ 370 AC	172	150	162	6	51	148	4,5	0,9
RQ 370 DC	172	150	162	6	51	149	4,2	0,8

DIMENSIONS



Model	A	B	C	D	E	∅ Hole	∅ a	Kg
RQ 850 AC	225	170	260	7	80	215	4,5	1,9

ACCESSORIES



PROTECTION GRILLE



GRILLE + FILTER



CABLE CONNECTOR

Description	Code	For Model
Protection grille	0010800	RQ 50
Protection grille	0064330	RQ 60
Protection grille	0010900	RQ 160
Protection grille	0064200	RQ 370
Protection grille	0058260	RQ 370
Grille + filter	0064310	RQ 50
Grille + filter	0064320	RQ 60
Grille + filter	0064300	RQ 160
Fan power cord (In-line connector)	0064400	RQ series (with terminal)
Fan power cord (45° connector)	0064450	RQ series (with terminal)

TECHNICAL FEATURES

Model	Code	Volt	Hz	Flow rate m ³ /h	W	Nom. Curr. in A	RPM	dB(A) _{2m}	Kg
RQ 50	0058500	12	-	55	2	0,15	2500	22	0,1
RQ 50	0058600	24	-	55	2	0,08	2500	22	0,1
RQ 50	0040400	110-120	50/60	45	10	0,14	2400	27	0,3
RQ 50	0040100	220-240	50/60	45	10	0,07	2400	27	0,3
RQ 60	0058350	110-120	50/60	75	14	0,18	2800	32	0,45
RQ 60	0058300	220-240	50/60	75	14	0,09	2800	32	0,45
RQ 160	0058700	12	-	160	4	0,30	2200	31	0,22
RQ 160	0058800	24	-	160	4	0,15	2200	31	0,22
RQ 160	0040310	12	50/60	145	15	2	2600	38	0,51
RQ 160	0040300	24	50/60	145	15	1	2600	38	0,51
RQ 160	0040350	48	50/60	145	15	0,5	2600	38	0,51
RQ 160	0040500	110-120	50/60	145	20	0,22	2500	37	0,6
RQ 160	0040200	220-240	50/60	145	20	0,12	2500	37	0,6
RQ 370	0058940	12	-	300	11	0,86	2600	46	0,8
RQ 370	0058950	24	-	300	11	0,43	2600	46	0,8
RQ 370	0058960	48	-	300	13	0,28	2600	46	0,8
RQ 370	0058900	110-120	50/60	345	25	0,30	2700	45	0,9
RQ 370	0058400	220-240	50/60	345	25	0,15	2700	45	0,9
RQ 850	0058250	110-120	50/60	840	46	0,4	2400	52	2,0
RQ 850	0058200	220-240	50/60	840	44	0,2	2400	52	2,0



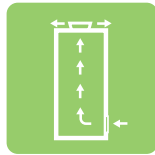
T° AIRING

COOLING FORCED
AIR EXTRACTION



TXQ

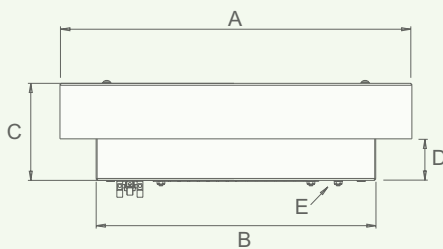
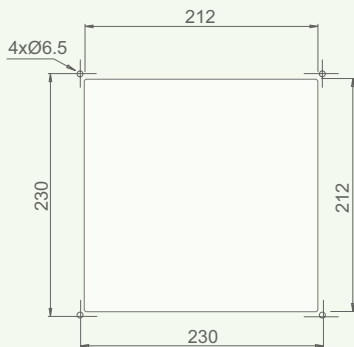
TXQ 550



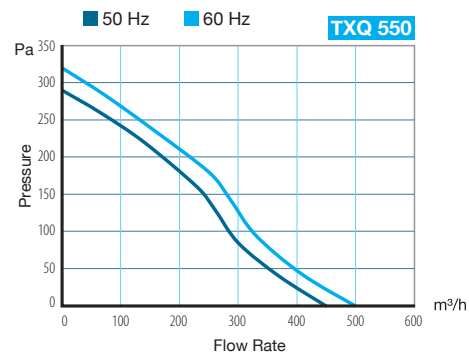
TXQ 550

- Roof exhaust fan to extract air directly outside;
- Ball bearing motor;
- IP24 protection degree;
- IP44 side cabinet protection degree;
- Maximum air temperature 60°C;
- Quick and functional installation inside the cabinet; Supply cable (0,75 mt) included;
- Energy saving and noiseless;
- Painted steel body complete with plastic cover, Grey colour RAL 7035;
- Safety protection grille;
- Ball bearing motor impeller self-cleaning backward curved blades;
- Adjustable speed through industrial controllers RGM2 or RGE (optional);
- Necessary to provide for installation an air intake grille in the lower part of the control cabinet;
- In accordance with Standard EN 60335-2-80.

DIMENSIONS



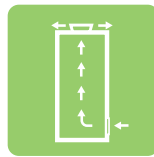
Model	A	B	C	D	E	Kg
TXQ 550	308x308	270x270	135	50	4-M6	3,5



TECHNICAL DATA

Model	Code	Volt 50/60 Hz	Flow rate m³/h	W	Nom. Curr. in A	IP Grade		dB(A) 3m	Kg
						roof fan	side cabinet		
TXQ 550	0075800	230	450 / 500	80	0,35	24	44	54	3,5

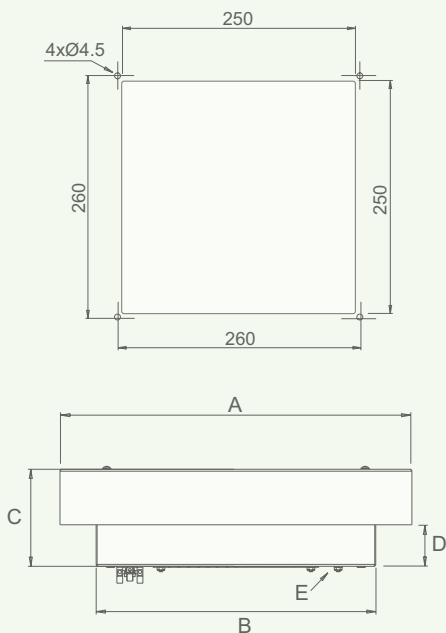
TXQ M 550



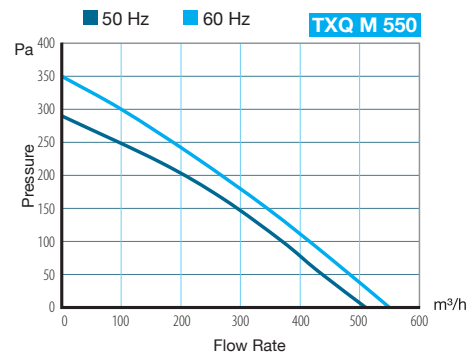
TXQ M 550

- Roof exhaust fan to extract air directly outside;
- IP24 protection degree;
- IP44 side cabinet protection degree;
- Maximum air temperature 60°C;
- Quick and functional installation thanks to the electrical connection and mounting from the inside of the control cabinet;
- Energy saving and noiseless;
- Painted steel body grey RAL 7035;
- Safety protection grille;
- Ball bearing motor impeller self-cleaning backward curved blades;
- Adjustable speed through industrial controllers RGM2 or RGE (optional);
- Necessary to provide for installation an air intake grille in the lower part of the control cabinet;
- In accordance with Standard EN 60335-2-80.

DIMENSIONS



Model	A	B	C	D	E	Kg
TXQ M 550	365x365	290x290	105	45	4-M4	5,8
TXQ M 550/860 CA	365x365	290x290	105	45	4-M4	4

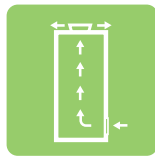


TECHNICAL DATA

Model	Code	Volt 50/60 Hz	Flow rate m³/h	W	Nom. Curr. in A	IP Grade		dB(A) 3m	Kg
						roof fan	side cabinet		
TXQ M 550	0075810	230	510/570	60	0,26	24	44	52	5,8
TXQ M 550/860 CA	0075850		Ventilation hood without motor			24	44		3,2

(*) 110 V version available on request

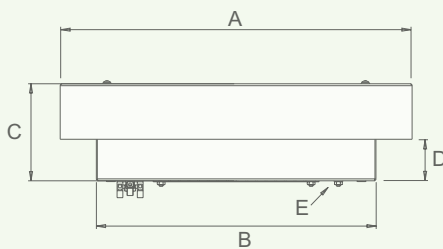
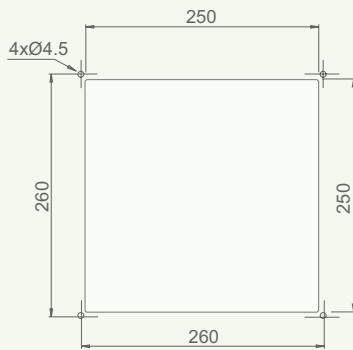
TXQ M 860



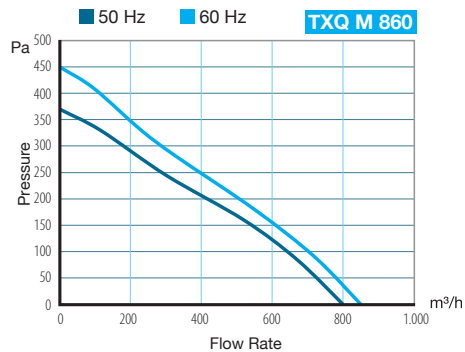
TXQ M 860

- Roof exhaust fan to extract air directly outside;
- IP24 protection degree;
- IP44 side cabinet protection degree;
- Maximum air temperature 60°C;
- Quick and functional installation thanks to the electrical connection and mounting from the inside of the control cabinet;
- Energy saving and noiseless;
- Painted steel body grey RAL 7035;
- Safety protection grille;
- Ball bearing motor impeller self-cleaning backward curved blades;
- Adjustable speed through industrial controllers RGM2 or RGE (optional);
- Necessary to provide for installation an air intake grille in the lower part of the control cabinet;
- In accordance with Standard EN 60335-2-80.

DIMENSIONS



Model	A	B	C	D	E	Kg
TXQ M 860	365x365	290x290	105	45	4-M4	6,2
TXQ M 550/860 CA	365x365	290x290	105	45	4-M4	4

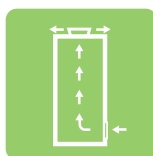


TECHNICAL DATA

Model	Code	Volt 50/60 Hz	Flow rate m³/h	W	Nom. Curr. in Amp.	IP Grade		dB(A) 3m	Kg
						roof fan	side cabinet		
TXQ M 860	0075820	230	800/860	70	0,35	24	44	53	6,2
TXQ M 550/860 CA	0075850	Ventilation hood without motor				24	44		3,2

(*) 110 V version available on request

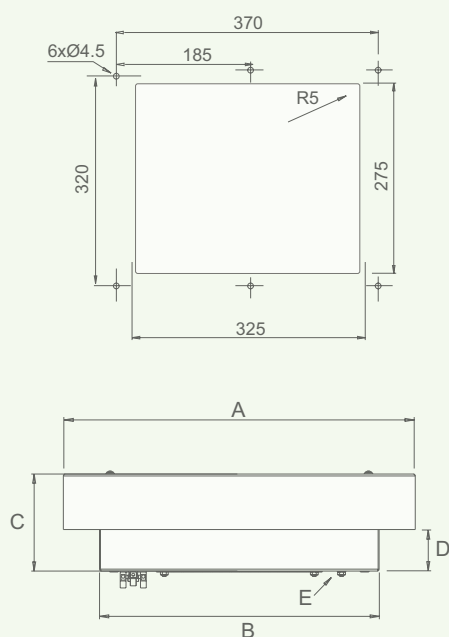
TXQ M 1500



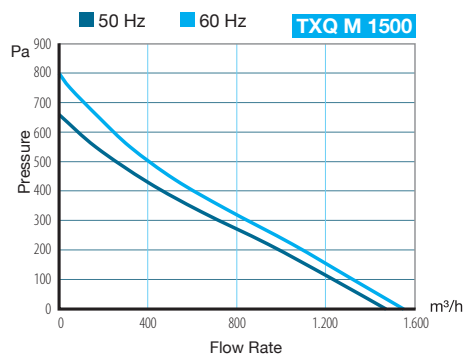
TXQ M 1500

- Roof exhaust fan to extract air directly outside;
- IP24 protection degree;
- IP44 side cabinet protection degree;
- Maximum air temperature 60°C;
- Quick and functional installation thanks to the electrical connection and mounting from the inside of the control cabinet;
- Energy saving and noiseless;
- Painted steel body grey RAL 7035;
- Safety protection grille;
- Ball bearing motor impeller self-cleaning backward curved blades;
- Adjustable speed through industrial controllers RGM2 or RGE (optional);
- Necessary to provide for installation an air intake grille in the lower part of the control cabinet;
- In accordance with Standard EN 60335-2-80.

DIMENSIONS



Model	A	B	C	D	E	Kg
TXQ M 1500	430x480	350x400	110	50	6-M4	9
TXQ M 1500 CA	430x480	350x400	110	50	6-M4	6,5

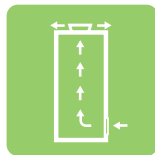


TECHNICAL DATA

Model	Code	Volt 50/60 Hz	Flow rate m³/h	W	Nom. Curr. in A	IP Grade		dB(A) 3m	Kg
						roof fan	side cabinet		
TXQ M 1500	0075830	230	1470/1560	150	0,75	24	44	57	7,5
TXQ M 1500 CA	0075860		Ventilation hood without motor			24	44		4,5

(*) 110 V version available on request

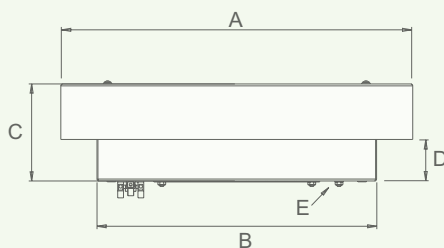
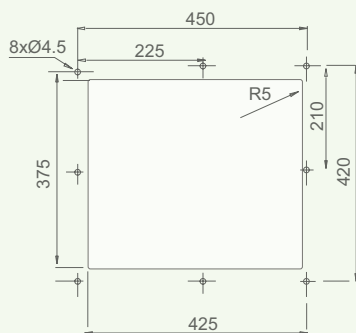
TXQ M 2300



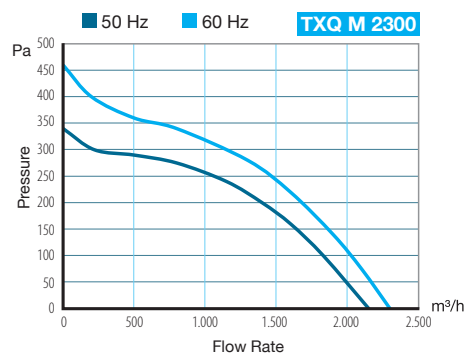
TXQ M 2300

- Roof exhaust fan to extract air directly outside;
- IP24 protection degree;
- IP44 side cabinet protection degree;
- Maximum air temperature 60°C;
- Quick and functional installation thanks to the electrical connection and mounting from the inside of the control cabinet;
- Energy saving and noiseless;
- Painted steel body grey RAL 7035;
- Safety protection grille;
- Ball bearing motor impeller self-cleaning backward curved blades;
- Adjustable speed through industrial controllers RGM2 or RGE (optional);
- Necessary to provide for installation an air intake grille in the lower part of the control cabinet;
- In accordance with Standard EN 60335-2-80.

DIMENSIONS



Model	A	B	C	D	E	Kg
TXQ M 2300	570x600	450x480	192	85	8-M4	16
TXQ M 2300 CA	570x600	450x480	192	85	8-M4	10



TECHNICAL DATA

Model	Code	Volt 50/60 Hz	Flow rate m³/h	W	Nom. Curr. in Amp.	IP Grade		dB(A) 3m	Kg
						roof fan	side cabinet		
TXQ M 2300	0075840	230	2150/2310	200	0,80	24	44	58	10
TXQ M 2300 CA	0075870		Ventilation hood without motor			24	44		6,8

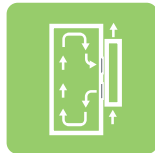
(*) 110 V version available on request



T° CONDITIONING

CONDITIONERS AND WATER/AIR
EXCHANGERS

AC EM AIR CONDITIONING



WALL MOUNT AIR CONDITIONERS

- External, wall mount air conditioners;
- Thermal management independent from the external temperature;
- Meet the requirement to keep separate the environment inside control cabinet from the external environment;
- Hermetic type compressor, copper pipes/aluminium fins exchangers;
- R134a refrigerant charge;
- Easy maintenance;
- IP54 side cabinet protection degree;
- Internal and external fans with ball bearing motor;
- Painted steel cabinet grey RAL 7035;
- Easy installation;
- Suitable when a lower temperature inside cabinet and higher IP protection degree (IP54) is required;
- Standard digital electronic thermostat;
- provided with sealing gasket, eyebolts for lifting, flexible pipe for condensation waste;
- Ambient temperature: 0 ÷ 55°C;
- Cabinet temperature: 20 ÷ 50°C.

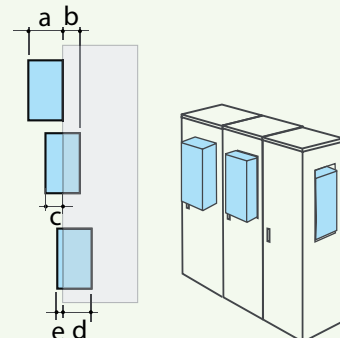
INSTALLATIONS

- External: completely outside
- Partially recessed: mounting through dedicated adapter
- Recessed: mounting through dedicated adapter

Model AC EM	a	b	c	d	e
040	216	100	116	190	26

Model AC EM	a	b	c	d	e
065/085	220	110	110	180	40

Model AC EM	a	b	c	d	e
110/150/200	249	100	151	225	26



ACCESSORIES

Description	Model	Code	For products
Adapter for wall air conditioner recessing	ARACEMS	0088101	AC EM 040
Adapter for wall air conditioner recessing	ARACEMM	0088102	AC EM 065 - 085
Adapter for wall air conditioner recessing	ARACEML	0088103	AC EM 110 - 150 - 200
Adapter for wall air conditioner partially recessing	APRACEMS	0088104	AC EM 040
Adapter for wall air conditioner partially recessing	APRACEMM	0088105	AC EM 065 - 085
Adapter for wall air conditioner partially recessing	APRACEML	0088106	AC EM 110 - 150 - 200
Filter holder with poliuretano filter for wall air conditioner	FHACEMS	0088107	AC EM 040 - 065 - 085
Filter holder with poliuretano filter for wall air conditioner	FHACEML	0088108	AC EM 110 - 150 - 200
Dust poliuretano filter for ambient air intake grille	FPACEMS	0088109	AC EM 040 - 065 - 085
Dust poliuretano filter for ambient air intake grille	FPACEML	0088111	AC EM 110 - 150 - 200
Filter oil resistant for ambient air intake grille	FOACEMS	0088112	AC EM 040 - 065 - 085
Filter oil resistant for ambient air intake grille	FOACEML	0088113	AC EM 110 - 150 - 200

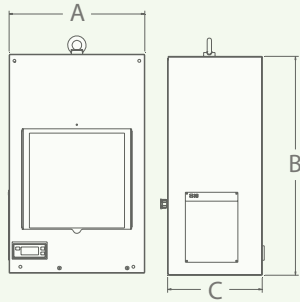
TECHNICAL DATA

Model	Code	Volt (50/60 Hz)	Total cooling capacity (W)		W	Nom. Curr. in A	Start Curr in A	Internal fan flow rate (m³/h)	IP Grade	dB(A) 3m	Kg
			L35L35 - DIN 3168/EN814	L35L50 - DIN 3168/EN814							
AC EM 040	0088000	230	400	290	270	1,5	6	180	IP54	58	26
AC EM 065	0088010	230	640	470	305	1,65	7	280	IP54	60	25
AC EM 085	0088020	230	850	640	410	2,2	8,5	280	IP54	65	26
AC EM 110	0088030	230	1080	830	520	3,1	10	570	IP54	62	40
AC EM 150	0088050	230	1500	1150	740	4,2	19,7	570	IP54	62	40
AC EM 200	0088040	230	2000	1560	1090	4,9	21,8	860	IP54	60	43

Three phase Models, with total cooling capacity L35L35 DIN3168/EN814 from 2300 -4000 - 5000 - 10000 W, available on request.

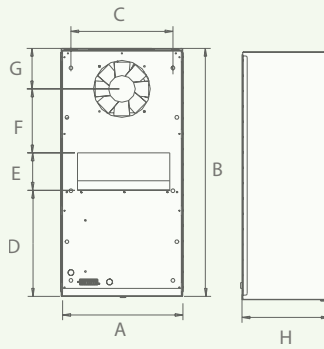
DIMENSIONS

AC EM 040



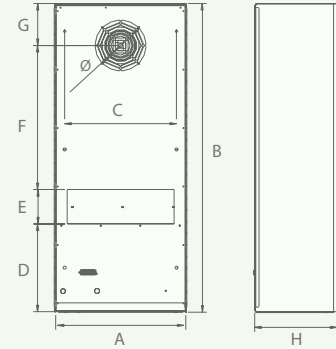
Model AC EM	A	B	C
040	310	500	216

AC EM 065/085



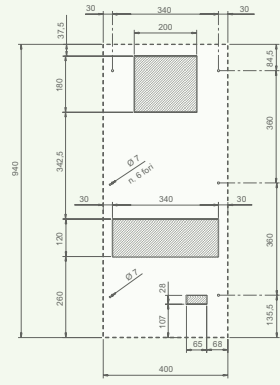
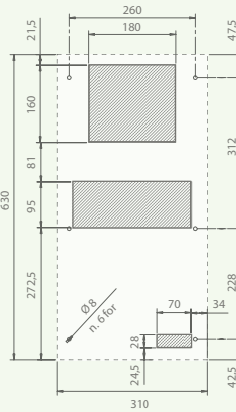
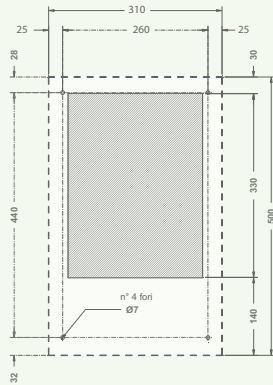
Model AC EM	A	B	C	D	E	F	G	H
065/085	313	630	260	269,5	95	162,5	103	222

AC EM 110/150/200

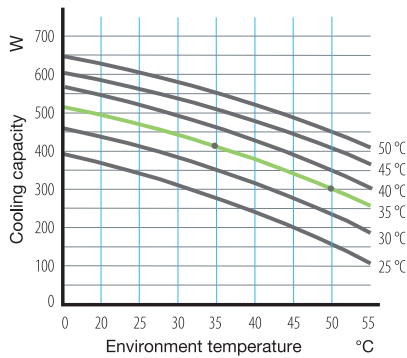


Model AC EM	A	B	C	D	E	F	G	H	ø
110/150/200	403	940	340	267,2	105	438,5	128	250	155

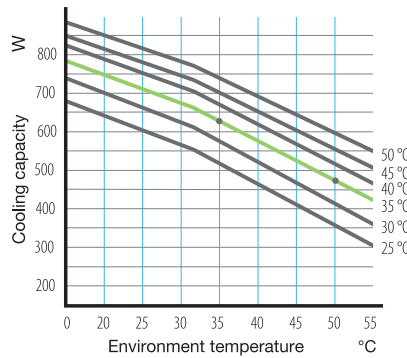
DRILLING TEMPLATE



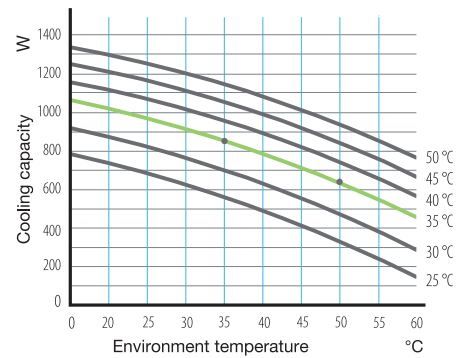
AC EM 040



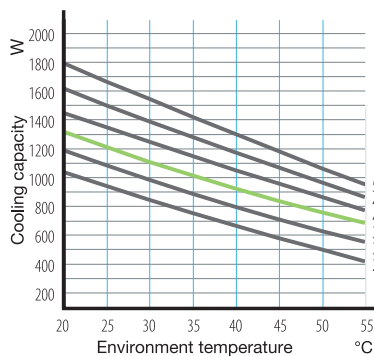
AC EM 065



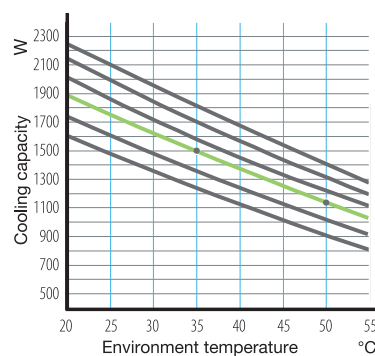
AC EM 085



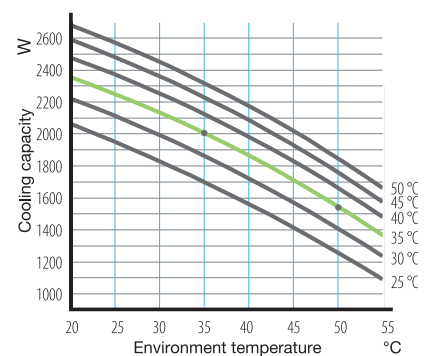
AC EM 110



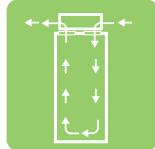
AC EM 150



AC EM 200



AC RM AIR CONDITIONING



ROOF MOUNT AIR CONDITIONERS

- External, roof mount air conditioners;
- Thermal management independent from the external temperature;
- Meet the requirement to keep separate the environment inside control cabinet from the external environment;
- Hermetic type compressor, copper pipes/aluminium fins exchangers;
- R134a refrigerant charge;
- Easy maintenance;
- IP54 side cabinet protection degree;
- Internal and external fans with ball bearing motor;
- Painted steel cabinet grey RAL 7035;
- Easy installation;
- Suitable when a lower temperature inside cabinet and higher IP protection degree (IP54) is required;
- Standard digital electronic thermostat, provided with sealing gasket, eyebolts for lifting, flexible pipe for condensation waste;
- Ambient temperature: 0 ÷ 55°C
- Cabinet temperature: 20 ÷ 50°C

ACCESSORIES

Description	Model	Code	For products
Dust poliuretano filter for ambient air intake grille	FPACRMS	0088114	AC RM 060-080-110
Dust poliuretano filter for ambient air intake grille	FPACRML	0088115	AC RM 150-170-210
Filter oil resistant for ambient air intake grille	FOACRMS	0088116	AC RM 060-080-110
Filter oil resistant for ambient air intake grille	FOACRML	0088117	AC RM 150-170-210

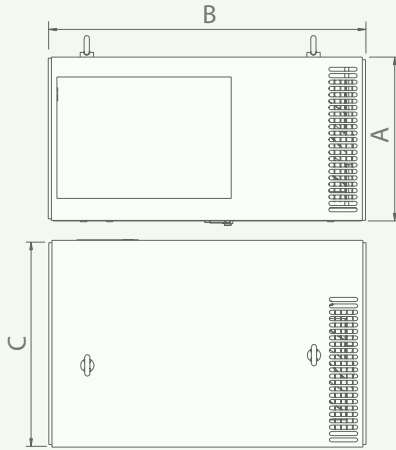
TECHNICAL DATA

Model	Code	Volt (50/60 Hz)	total cooling capacity (W)		W	Nom. Curr. in Amp.	Start current in A.	Flow rate internal fan (m³/h)	IP grade (side cabinet)	dB(A) 3m	Kg
			L35L35 - DIN 3168/EN814	L35L50 - DIN 3168/EN814							
AC RM 060	0085905	230	600	420	370	2,2	7	570	IP54	60	38
AC RM 080	0085910	230	800	600	400	2,4	8,5	570	IP54	60	39
AC RM 110	0085915	230	1100	780	515	2,9	10	570	IP54	60	42
AC RM 150	0085920	230	1500	1240	750	4	20	860	IP54	65	45
AC RM 170	0085925	230	1700	1360	870	4,6	20	860	IP54	65	46
AC RM 210	0085930	230	2100	1560	1040	5	24	860	IP54	65	48

Three phase Models, with total cooling capacity L35L35 DIN3168/EN814 from 1700 -2300 - 2800 W, available on request.

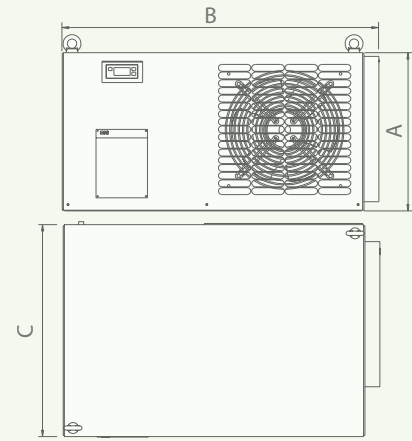
DIMENSIONS

AC RM 060/080/110



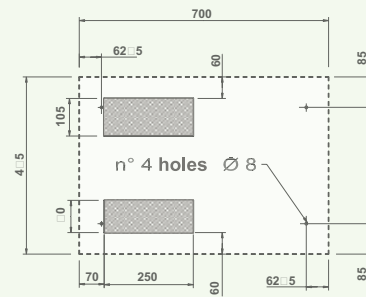
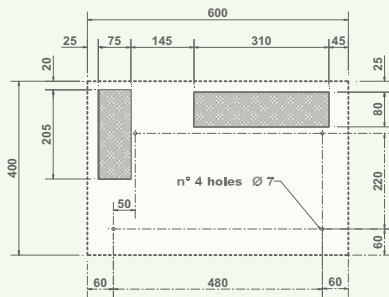
Model AC RM	A	B	C
060/080/110	321	617	400

AC RM 150/170/210

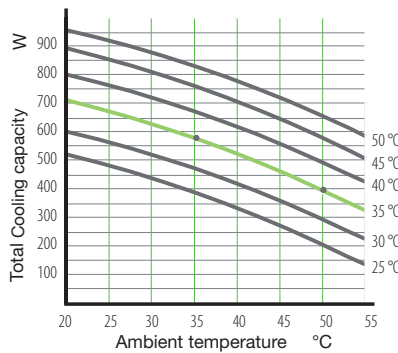


Model AC RM	A	B	C
150/170/210	370	700	495

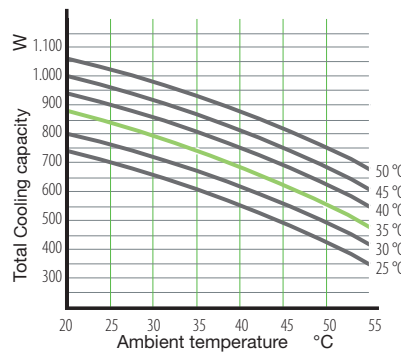
DRILLING TEMPLATE



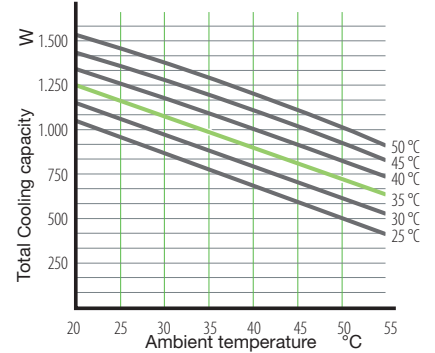
AC RM 060



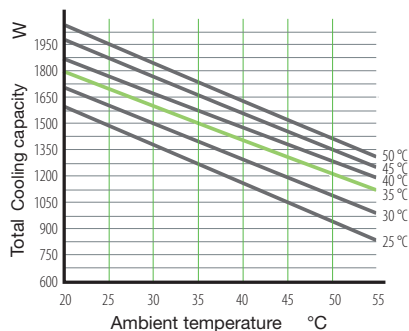
AC RM 080



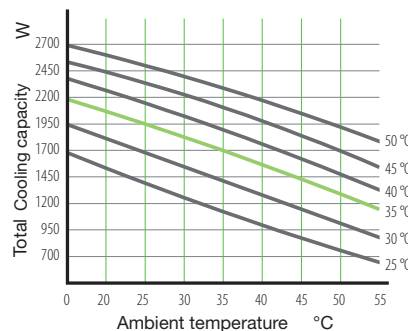
AC RM 110



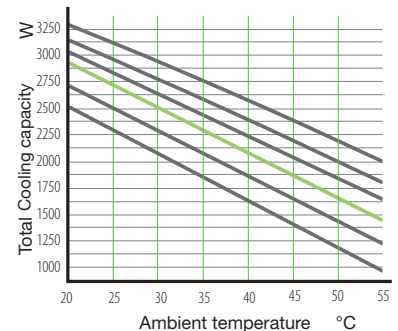
AC RM 150



AC RM 170

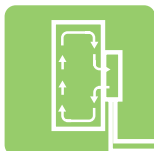


AC RM 210



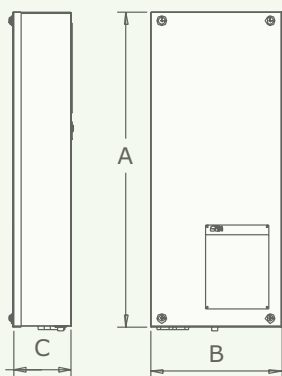
HEX WA EXCHANGERS

WATER/AIR HEAT EXCHANGERS



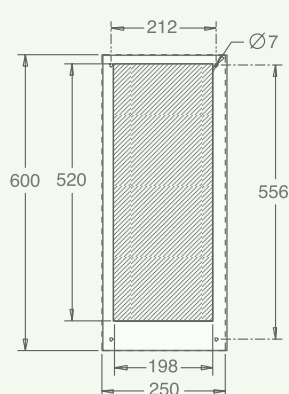
- External, wall mount water to air heat exchangers;
- Suitable to maintain an internal cabinet constant temperature, taking advantage of the cold water availability;
- Maintenance free;
- IP65 side cabinet protection degree gasket properly installed;
- Internal fans with ball bearing motor;
- Painted steel cabinet grey RAL 7035
- Easy installation;
- Suitable for specific applications in difficult environments both for temperature and pollution;
- Suitable when a higher IP protection degree inside cabinet is required (water jets, conductive dusts);
- Cooling water connection 3/8 inches;
- Ambient temperature: 1 ÷ 70°C;
- Cabinet temperature: 1 ÷ 55°C.

DIMENSIONS

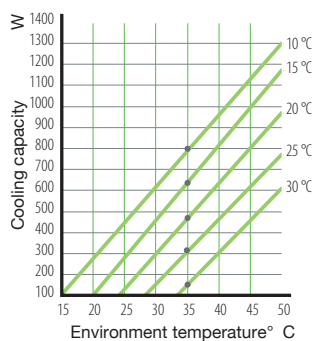


Model HEX WA	A	B	C
080/140	600	250	110

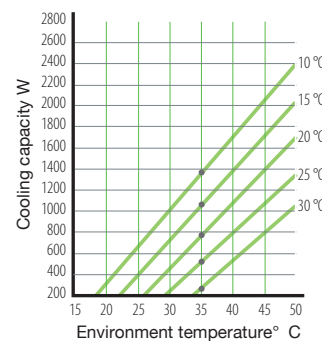
DRILLING TEMPLATE



HEX WA 080



HEX WA 140



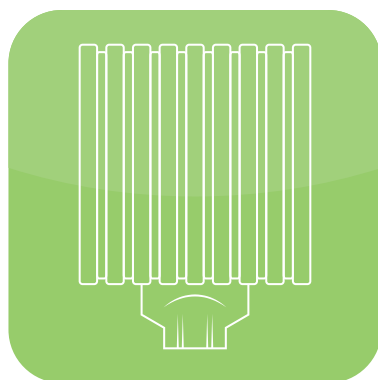
The connections of the hydraulic circuit, misaligned, allow the regular coupling of the connection pipes whatever is their orientation.



TECHNICAL DATA

Model	Code	Volt (50/60 Hz)	Total cooling Capacity (W) L35W10 (*)	Flow rate (l/h)	Water Pressure max KPa	W	Nom. Curr. in Amp.	Effective internal flow rate m³/h	IP Grade (side cabinet)	dB(A) 3m	Kg
HEX WA 080	0085840	230	780	150	800	28	0,2	200	65 (**)	55	7
HEX WA 140	0085850	230	1350	200	800	58	0,26	300	65 (**)	62	8

Models, with total cooling capacity L35W10 DIN3168/EN814 from 2500 -4100 W, available on request. (*) DIN 3168/EN814 (***) with gasket properly installed



T° ANTI-CONDENSATION

TO PREVENT CONDENSATION
INSIDE THE ELECTRICAL CABINET



HE HEV

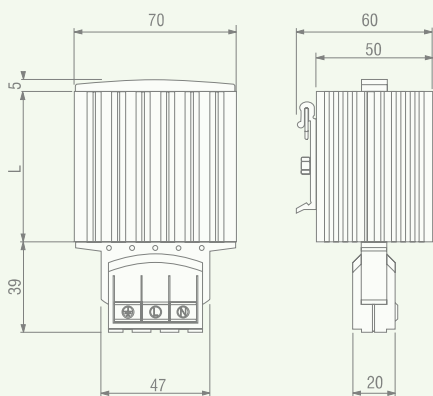
HE



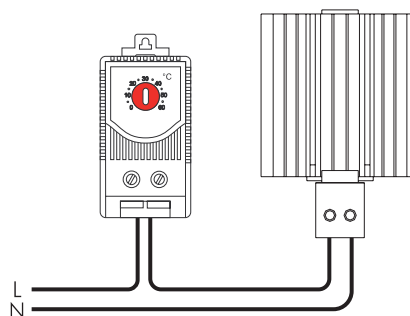
HE Anti-condensation heaters

- Heaters designed to prevent condensation and to ensure a minimum operating temperature in the control cabinets;
- They are a valid support for the correct functioning of the other electric components in the control cabinet;
- Made of extruded aluminium anodised with a PTC resistor inside;
- Energy saving;
- Cage clamp connectors for quick and easy wiring: with stranded wire 0,5 - 1,5 mm²; with rigid wire 0,5 - 2,5 mm²;
- Clip for 35 mm DIN rail;
- Storage temperature range: -40 ÷ 80°C;
- Operating temperature range: -40 ÷ 70°C;
- Vertical mounting position (with bottom connection terminals).

DIMENSIONS



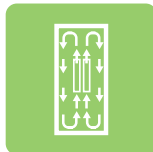
Model	L
HE 30	65
HE 60	65
HE 100	145
HE 150	195



TECHNICAL DATA

Model	Code	Volt AC / DC	W	Nom. Curr. in Amp.	Starting current in Amp.	IP Grade	Kg
HE 30	0086000	110-250	30	0,25	1,5	20	0,3
HE 60	0086010	110-250	60	0,32	1,5	20	0,4
HE 100	0086020	110-250	100	0,58	2	20	0,5
HE 150	0086030	110-250	150	0,66	2,5	20	0,7

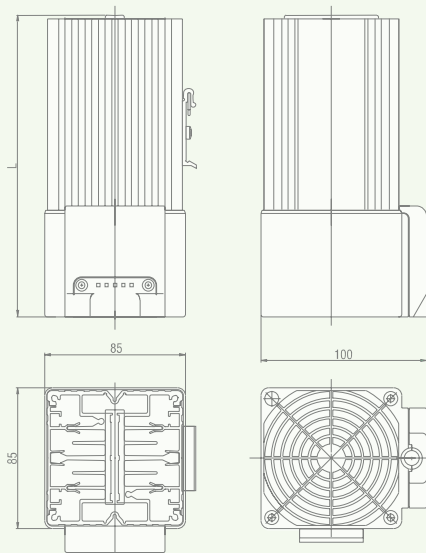
HEV



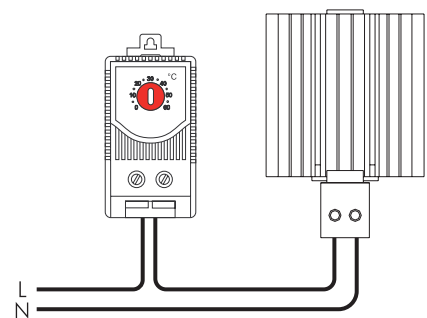
HEV Anti-condensation ventilated heaters

- Heaters designed to prevent condensation and to ensure a minimum operating temperature in the control cabinets;
- They are a valid support for the correct functioning of the other electric components in the control cabinet;
- The integrated axial fan provides forced air circulation;
- Made of extruded aluminium anodised with a PTC resistor inside;
- Internal connection terminal 2,5 mm²
- Clip for 35mm DIN rail;
- Storage temperature range: -40 ÷ 80°C
- Operating temperature range: -40 ÷ 70°C;
- Vertical mounting position (with bottom connection terminals).

DIMENSIONS

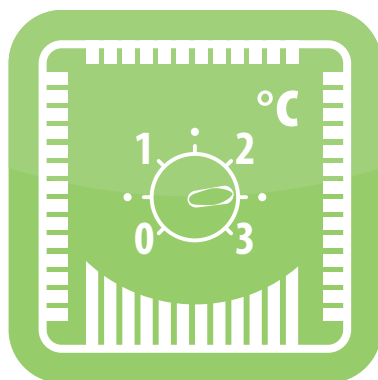


Model	L
HEV 250	182
HEV 400	222



TECHNICAL DATA

Model	Code	Volt 50/60 Hz	W	Nom. Curr. in Amp.	Starting Current in A	IP Grade	Kg
HEV 250	0086040	230	250	1,25	1,3	IP20	1,1
HEV 400	0086050	230	400	1,6	1,7	IP20	1,4



ACCESSORIES

THERMOSTAT, HYGROSTAT,
POCKET WALLET



TMS HYM



PW



FCL

TMS THERMOSTATS

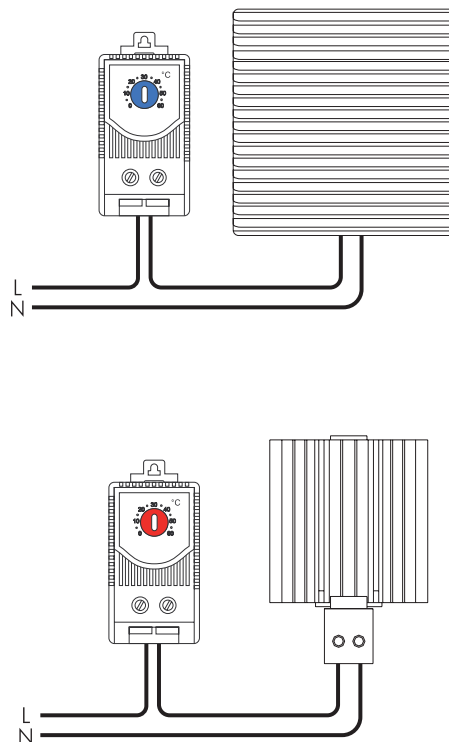
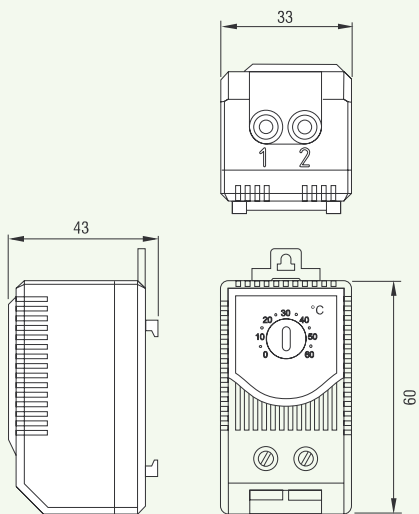


TMS NC - TMS NO

- Thermostats used to control temperature inside the control cabinets;
- Suitable for controlling filter fans and heaters;
- Small size;
- Bi-metallic sensor element;
- Clip for 35mm DIN rail;
- Endurance > 100.000 cycles;
- Variable fitting position;
- Storage temperature range: $-45 \div 80^{\circ} \text{C}$;
- 2 poles terminal, rigid wire $2,5 \text{ mm}^2$, stranded wire $1,5 \text{ mm}^2$;
- TMS NO (blue regulation knob) normally open contact, for switching filter fans when the temperature limit has been exceeded;
- TMS NC (red regulation knob) normally closed contact for switching heaters when the detected temperature is lower than the preset one.

DIMENSIONS

TMS NC - TMS NO



TECHNICAL DATA

Model	Code	Hysteresis	Setting	AC commut. (resistive load)	AC commut. (inductive load)	DC commut. power	IP Grade	Dimensions	Weight
TMS NO	0097010	7 K (tolerance + 4 K)	from 0° to $+60^{\circ} \text{C}$	a 250 V, 10 A; a 120 V, 15 A	a 250 V, 2 A; a 120 V, 2 A	30 W	20	60 x 33 x 43 mm	40 g
TMS NC	0097020								
TMS	0097000	0,5 K	from $+20^{\circ}$ to $+60^{\circ} \text{C}$	250 V, 10 A	250 V, 2 A	30 W	30	78 x 78 x 30 mm	90 g

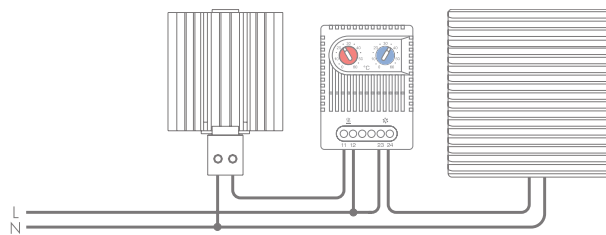
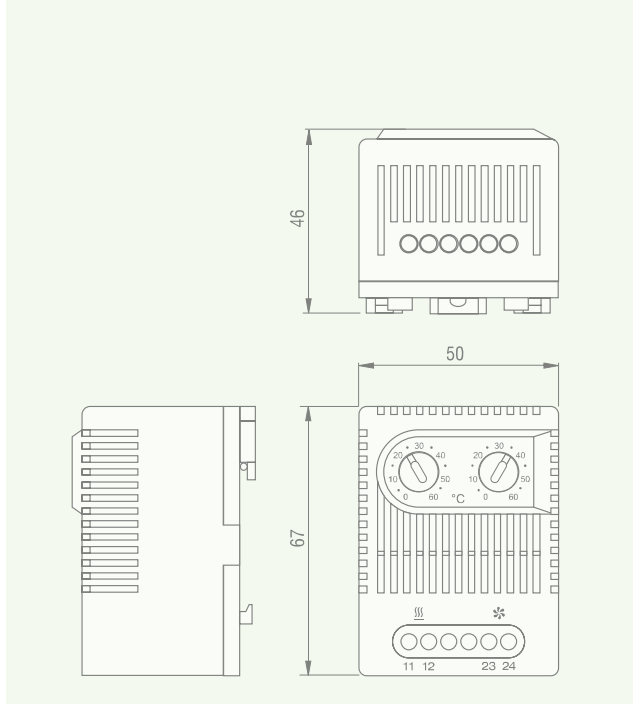
TMS DUAL THERMOSTAT



TMS D

- TMS D dual thermostat, for controlling separately on/off switch of filter fans and heaters;
- Normally open contact, for switching filter fans when the temperature limit has been exceeded;
- Normally closed contact for switching heaters when the temperature limit goes down the preset one;
- Small size;
- Bi-metallic sensor element;
- Clip for 35mm DIN rail;
- Endurance > 100.000 cycles;
- Variable fitting position;
- Storage temperature range: $-45 \div 80^{\circ} \text{C}$;
- 4 poles terminal, rigid wire $2,5 \text{ mm}^2$, stranded wire $1,5 \text{ mm}^2$.

DIMENSIONS



TECHNICAL DATA

Model	Code	Hysteresis	Setting range	AC commut. (resistive load)	AC commut. (inductive load)	DC commut. power	IP Grade	Dimensions	Weight
TMS D	0097030	7 K (tolerance + 4 K)	from 0° to $+60^{\circ} \text{C}$	250 V, 10 A; 120 V, 15 A	250 V, 2 A; 120 V, 2 A	30 W	IP20	67 x 50 x 46 mm	90 g

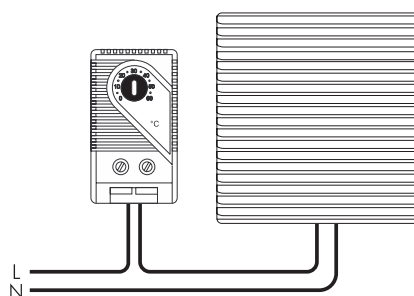
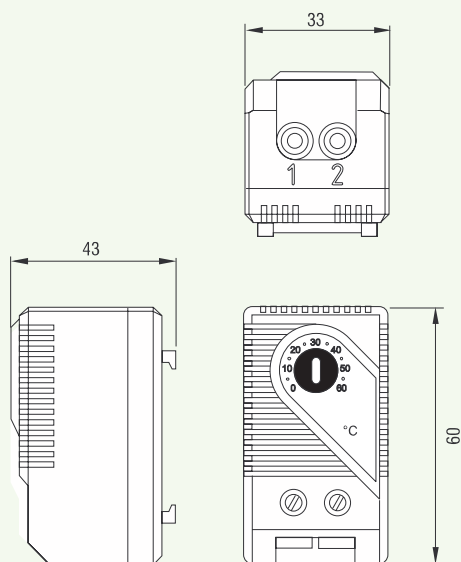
HYM



HYM Mechanical Hygrostat

- Hygrostat for regulating humidity inside the control cabinets;
- Suitable for controlling filter fans, heaters when a preset humidity level is exceeded;
- Small size;
- Clip for 35mm DIN rail;
- Endurance > 100.000 cycles;
- Variable fitting position;
- Storage temperature range: $-20 \div 80^{\circ}\text{C}$;
- 3 poles terminal, rigid wire $2,5 \text{ mm}^2$, stranded wire $1,5 \text{ mm}^2$.

DIMENSIONS



TECHNICAL DATA

Model	Code	RH* Hysteresis	Setting range	Resistance contact	Min. Comm. in Amp.C/DC	AC commut. (resistive load)	AC commut. (inductive load)	DC commut. power	IP Grade	Weight
HYM	0097040	4% (tol. + 3%)	Da 35% a 95%	< 10 mohm	a 20 V, 100 mA	a 250 V, 5 A;	a 250 V, 1 A;	20 W	20	60 g

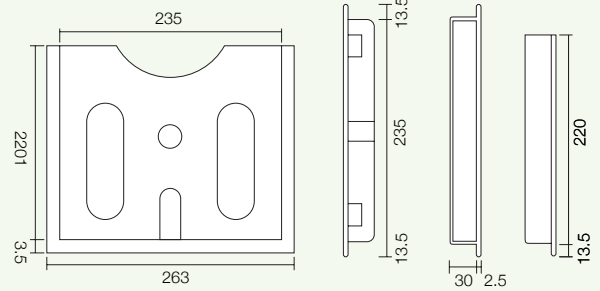
PW



PW Pocket Wallet

Pocket wallet made of plastic material, A4 format. Specially designed to contain wiring diagrams of the control cabinet. Supplied with double-sided adhesive pre-mounted. Holes for fixing with screws (not provided).

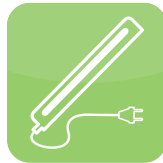
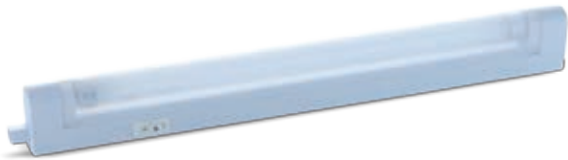
DIMENSIONS



TECHNICAL DATA

Model	Code
PW	0097050

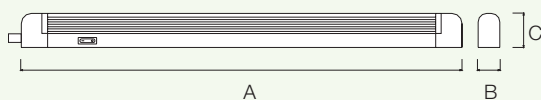
FCL



FCL Fluorescent lamps

- Fluorescent compact lamps for lighting of control cabinets;
- Casing lamp made of thermoplastic and diffuser in transparent striped polymethacrylate;
- ON/OFF switch;
- Equipped with fluorescent lamps type T5;
- IP20 protection degree;
- Operating temperature range: $+5 \div 45^{\circ}\text{C}$
- Fixing with click hooks with screws (provided);
- Possibility to connect multiple lamps through the connection cable provided (0,15 mt);
- Power cable 1,70 mt;
- Energy saving.

DIMENSIONS



Model	A	B	C
FLC 6	280	22	42
FLC 8	350	22	42
FLC 13	570	22	42
FLC 21	915	22	42

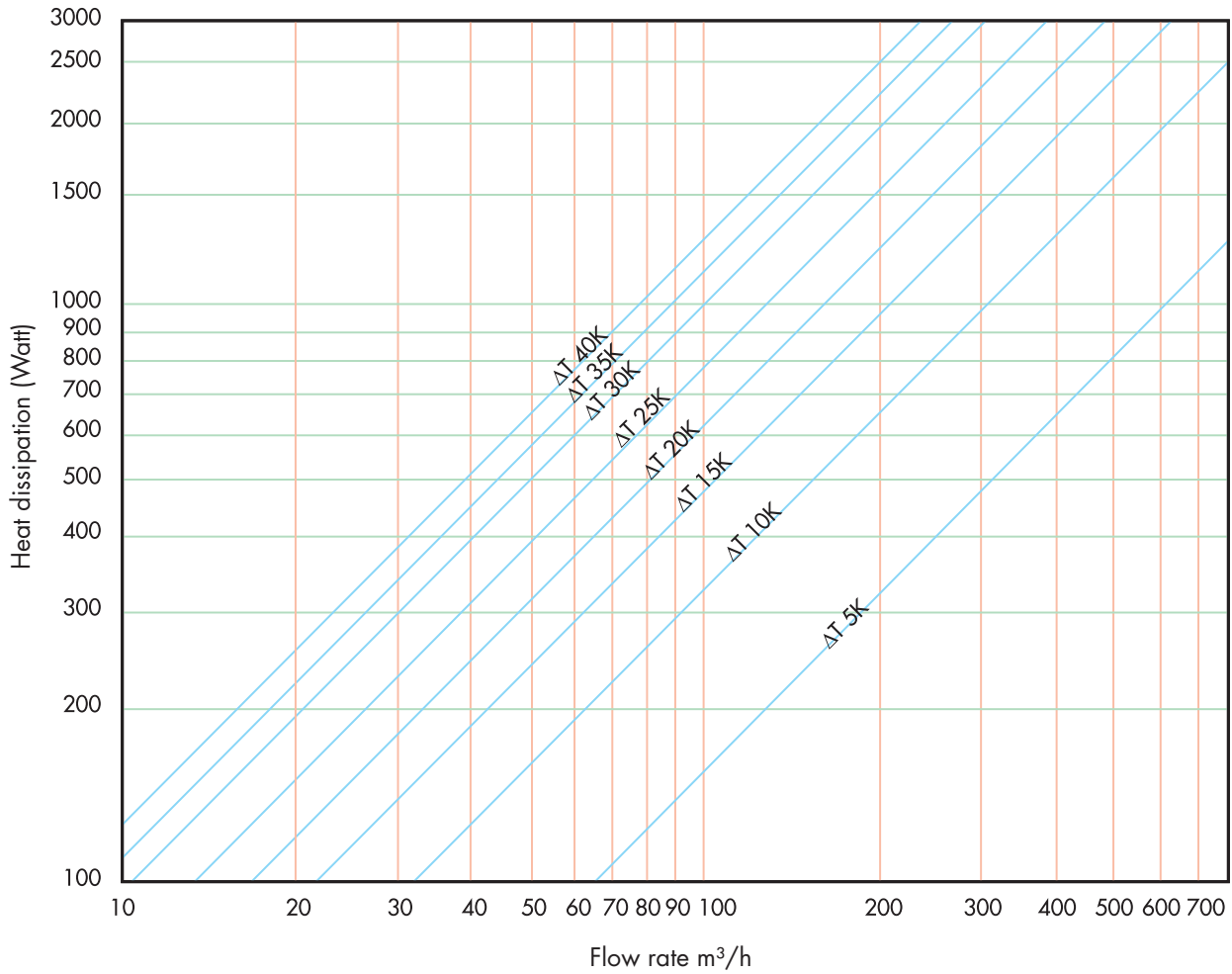
Provided equipment



TECHNICAL DATA

Model	Code	Volt (50 Hz)	W	Lamp holder	Lamp	Colour temperature (°K)	IP Grade	Dimensions	gr
FLC 6	0097060	230	6	G5	T5	6500	20	280 x 22 x 42	90
FLC 8	0097070	230	8	G5	T5	6500	20	350 x 22 x 42	120
FLC 13	0097080	230	13	G5	T5	6500	20	570 x 22 x 42	200
FLC 21	0097090	230	21	G5	T5	6500	20	915 x 22 x 42	300

SELECTION CHART FOR FILTER FANS INSTALLATION



The correct air capacity for appropriate selection of the fan assembly can be determined by consulting the above diagram.

- First determine the following:
 - The thermal power dissipated by the electronic equipments.
 - The maximum temperature allowed inside the control cabinet.
 - The maximum ambient temperature foreseen outside the control cabinet.
- Calculate the ΔT as the differences between the two temperatures.
- The point at which the horizontal frame line (green) of the dissipated thermal power bisects the diagonal line (blue) of the temperature difference (ΔT) will show the vertical line (red) indicating the air capacity required for the necessary dissipation in m³/h.
- Choose the correct fan on the performance table.

Natural heat loss through the cabinet wall should be taken into account.

In order to compensate the reduction of flow rate caused by dirty filters, an increase of 20% to the obtained value is advisable.

CE All products included in this catalogue meet the essential requirements of EU directives.

In order to improve its offer, O.ERRE reserves the right to change sizes, features and design, or delete entire references of its products without notice.



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