



# Air-Cooled Condensing Units

Model RAUS

Cooling capacity 15.4 - 41.7 kW

Model RAUX

Cooling capacity 14.6 - 39.6 kW

Heating capacity 15.8 - 42.8 kW



# Air-Cooled Condensing Units



**Condensing units with scroll compressors,  
for outdoor installation**

## Range description

- **RAUS** cooling only condensing units
- **RAUX** heat pump condensing units

## Unit description

- Scroll compressor
- Fans propeller type
- High efficiency condenser coil with seamless copper tubes and aluminium fins
- Microprocessor-based controller to manage unit on/off mode, operating mode setting, parameters setting, and error code display
- Low ambient condensing pressure control with variable fan speed modulation
- Plastic condensing coil protection grille
- Electrical panel
- Casing and panels in galvanised and powder painted steel

## Options

- Compressors sound jackets
- Soft - starter
- Control panel electric heater with thermostat
- Phase failure protection relay
- Epoxy coated condensing coils

## Accessories

- Remote control panel
- Communication card RS485
- Connection kit including:
  - thermostatic expansion valve
  - filter dryer with sight glass
  - liquid line solenoid valve
- Liquid receiver
- Service valves on the suction, liquid and equalization lines
- Rubber anti vibration mounts

## Advantages

- RAUS/RAUX condensing units are designed for optimum energy efficiency with reduced footprint.
- Low power consumption thanks to high efficiency condenser coils with integrated sub cooling circuit enhancing both capacity and efficiency.



Operating range		RAUS	RAUX cooling	RAUX heating
Operating outdoor air temperature range (min./max.)	(°C)	5/43	5/43	-5/20
Evaporating temperature range (min./max.)	(°C)	-12/12	-12/12	-
Condensing temperature range (min./max.)	(°C)	-	-	37/58
Power supply	(V/Ph/Hz)	400/3+n/50		

## Cooling Only Version

### General data

RAUS	Unit size	040	060	070	080	100	110
<b>Cooling (1)</b>							
Cooling capacity	<b>kW</b>	15.40	21.20	24.50	28.60	37.20	41.70
Total power input (including fans)	<b>kW</b>	4.80	7.20	8.70	9.80	12.10	14.10
EER (including fans)		3.17	2.96	2.83	2.93	3.07	2.95
Number of refrigerant circuits		1					
Number of compressors		1					
Compressor type		Scroll					
Sound pressure level (2)	<b>dB(A)</b>	50	46	47	48	48	55
Sound power level (3)	<b>dB(A)</b>	76	72	73	74	75	81

(1) Outdoor temperature 35°C - evaporating temperature 5°C

(2) According to ISO 3744 at 5 m distance from the unit

(3) According to ISO 9614 for Eurovent certified units, or ISO 3744 for non-certified units

## Heat Pump Version

### General data

RAUX	Unit size	040	060	070	080	100	110
<b>Cooling (1)</b>							
Cooling capacity	<b>kW</b>	14.60	20.10	23.30	27.20	35.40	39.60
Total power input (including fans)	<b>kW</b>	4.85	7.16	8.65	9.76	12.12	14.10
EER (including fans)		3.01	2.81	2.69	2.79	2.92	2.81
<b>Heating (2)</b>							
Heating capacity	<b>kW</b>	15.80	21.50	25.10	29.20	37.90	42.80
Total power input	<b>kW</b>	5.33	7.40	8.59	10	12.76	14.10
COP		2.95	2.91	2.92	2.92	2.97	3.04
Number of refrigerant circuits		1					
Number of compressors		1					
Compressor type		Scroll					
Sound pressure level (3)	<b>dB(A)</b>	50	46	47	48	48	55
Sound power level (4)	<b>dB(A)</b>	76	72	73	74	75	81

(1) Outdoor temperature 35°C - evaporating temperature 5°C

(2) Outdoor temperature 7°C 90% R.H. - condensing temperature 50°C

(3) According to ISO 3744 at 5 m distance from the unit

(4) According to ISO 9614 for Eurovent certified units, or ISO 3744 for non-certified units

## Dimensions and weights

	Unit size	040	060	070	080	100	110
A	mm	1125	1465	1465	1671	1671	1671
B	mm	440	560	560	560	560	560
C	mm	1444	1448	1448	1687	1687	1687
Shipping weight RAUS	kg	151	221	230	259	262	272
Shipping weight RAUX	kg	169	243	252	293	296	306



Easy-to-use microprocessor-based controller.



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