



# 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.



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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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