



# Cooling only and heat pump condensing units with scroll compressors



**RAUS/RAUX**  
Full portfolio  
15-268 kW

**TRANE**  
TECHNOLOGIES

# Cooling only and heat pump condensing units with scroll compressors

Trane offers a versatile full portfolio of condensing units, delivering capacities ranging from 15 to nearly 300 kW - so there is always a solution to fit the needs of your application.



15-52 kW

## Standard features

- Scroll compressors
- AC fans with step regulation for condensing control up to size 110
- EC fans, statically and dynamically balanced, for unit size 130 & 150
- Microchannel condenser coils with aluminum fin construction
- Microprocessor-based controller
- Electrical panel with main switch
- Casing and panels in galvanized and painted steel



56-140 kW

## Standard features

- Scroll compressors
- AC axial fans, statically and dynamically balanced
- Condensing pressure control with variable fan speed modulation
- Microchannel condenser coils with aluminum fin construction
- Microprocessor-based controller
- Casing and panels in galvanized and painted steel



135-268 kW

## Standard features

- Scroll compressors
- AC fans statically and dynamically balanced with condensing and evaporating pressure control with variable fans speed modulation
- Water side stainless steel brazed plate heat exchanger externally insulated complete of flow switch (provided loose) and antifreeze protection electric heater
- Microchannel condenser coils with aluminum fin construction
- Electronic expansion valve
- Microprocessor-based controller
- Casing and panels in galvanized and painted steel

# General data

The data below is for cooling-only condensing units. **For Heat pump condensing unit data, please use the Trane Selection tool or contact your local Trane office.**

Cooling only condensing unit (1)

Unit size		040	050	070	080	090	100	110	130	150
Cooling capacity	(kW)	16.5	19.1	25.2	28.5	33.0	36.3	39.2	46.4	52.2
Total power input	(kW)	5.6	6.7	7.8	9.1	11.0	12.8	14.1	15.4	18.1
EER		2.95	2.86	3.23	3.13	3.01	2.84	2.78	3.02	2.89
Number of refrigerant circuits		1	1	1	1	1	1	1	1	1
Number of compressors		2	2	2	2	2	2	2	2	2
Type of compressors		Scroll								
Type of regulation		Step								
Sound power level - standard noise (2)	(dB(A))	74	74	77	76	77	78	78	79	79
Sound pressure level - standard noise (3)	(dB(A))	48	48	51	50	51	52	52	58	58
Sound power level - low noise (2)	(dB(A))	-	-	-	74	74	74	74	76	77
Sound pressure level - low noise (3)	(dB(A))	-	-	-	48	48	48	48	55	56
Power supply	(V/Ph/Hz)	400/3+n/50								

Cooling only condensing unit (1)

Unit size		160	180	190	200	210	230	240	300	340	370	400
Cooling capacity	(kW)	56.3	63.6	67.0	70.8	75.2	79.1	83.0	104	118	129	140
Total power input	(kW)	17.7	20.5	21.8	23.9	25.5	27.5	29.5	33.8	39.7	44.2	49.1
EER		3.19	3.11	3.08	2.96	2.95	2.88	2.81	3.08	2.96	2.90	2.84
Number of refrigerant circuits		1	1	1	1	1	1	1	1	1	1	1
Number of compressors		2	2	2	2	2	2	2	2	2	2	2
Type of compressors		Scroll										
Type of regulation		Step										
Sound power level - standard noise (2)	(dB(A))	49	50	50	50	51	51	52	54	55	55	55
Sound pressure level - standard noise (3)	(dB(A))	81	82	82	82	83	83	83	86	87	87	87
Sound power level - low noise (2)	(dB(A))	48	48	48	48	49	49	50	52	53	53	53
Sound pressure level - low noise (3)	(dB(A))	80	80	81	81	81	81	82	84	85	85	85
Sound power level - super low noise (2)		47	48	48	48	48	48	49	51	52	52	52
Sound pressure level - super low noise (3)	(dB(A))	79	80	80	80	80	80	81	83	84	84	84
Power supply	(V/Ph/Hz)	400/3+n/50										

Cooling only condensing unit (1)

Unit size		410	440	480	550	590	630	660	700	730	760
Cooling capacity	(kW)	143	154	166	194	207	221	234	245	257	268
Total power input	(kW)	47.0	52.9	58.6	62.3	67.8	73.6	79.5	84.1	88.7	93.5
EER		3.04	2.92	2.84	3.11	3.06	3.00	2.94	2.92	2.89	2.86
Number of refrigerant circuits		2	2	2	2	2	2	2	2	2	2
Number of compressors		4	4	4	4	4	4	4	4	4	4
Type of compressors		Scroll									
Type of regulation		Step									
Sound power level - standard noise (2)	(dB(A))	85	86	86	88	89	90	90	90	90	90
Sound pressure level - standard noise (3)	(dB(A))	53	54	54	56	57	58	58	58	58	58
Sound power level - low noise (2)	(dB(A))	84	84	85	87	87	88	88	88	88	88
Sound pressure level - low noise (3)	(dB(A))	52	52	53	55	55	56	56	56	56	56
Sound power level - super low noise (2)	(dB(A))	83	83	84	86	86	87	87	87	87	87
Sound pressure level - super low noise (3)	(dB(A))	51	51	52	54	54	55	55	55	55	55
Power supply	(V/Ph/Hz)	400/3+n/50									

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

(2) Sound power level measurements made in compliance with ISO 9614 for Eurovent certified units

(3) Pressure sound level (calculated according to ISO 3744 at 10 m distance from unit)

# Options and accessories

For even more flexibility, a wide range of factory-mounted options, or field-installed loose accessories is available.

CONDENSING UNIT RANGE	15-52 kW	56-140 kW	135-268 kW
<b>Factory-mounted options</b>			
Communication card RS485	•	•	•
TP serial card with BACnet MS/TP or TCP/IP Protocol	•	•	•
Gateway Modbus/Lontalk	•	•	•
Soft-starter	•	•	•
Control panel electric heater with thermostat	•	•	•
Low ambient temperature kit (down to -10°C)	•	•	•
Phase failure protection relay	•	•	
Power factor correction to cos phi 0.91		•	•
EC fan	•	•	•
EC fan with high static pressure (60 Pa)	•		
EC fan with high static pressure (80 Pa)		•	•
Axitop fan diffusers		•	•
Automatic circuit breakers		•	• (without pump)
Gas gauges		•	•
Protection grilles		•	•
Numbered wires on electric board			•
Ball valves on the discharge and liquid lines	•	•	
Electrical power supply without neutral 400V/3Ph/50Hz	•	•	
Special treatments for condenser coils	•	•	•
E-coated anti-corrosion condensing coil treatment	•	•	•
<b>Loose accessories</b>			
Remote control panel	•	•	•
Rubber anti-vibration mounts	•	•	•
Sea container kit	•	•	
Connection valve kit	•	•	



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