



TRANE®



Conquest CXAX Air-to-Water Heat Pump



TRANE
TECHNOLOGIES

E CELLENT

Trane heating.
Naturally.

Conquest CXAX Air-to-Water Heat Pump



Cooling capacity: 40-155 kW

Heating capacity: 40-155 kW

- Compact design: reduced footprint and low-profile design
- Reversible operation: cooling or heating
- Optimized for R454B low GWP refrigerant and high seasonal efficiency
- Low sound levels with no compromise on efficiency
- Wide operating map: down to -15°C ambient air and up to +60°C leaving hot water temperature
- Single and/or dual circuit

CONQUEST

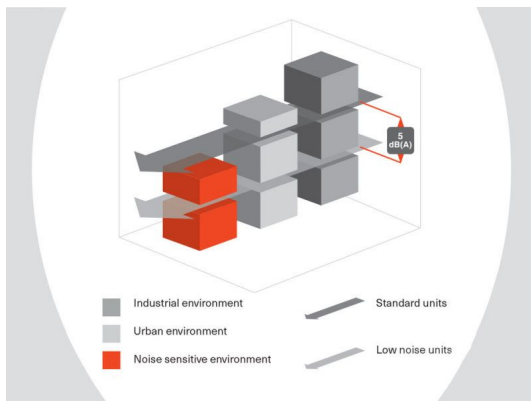
The most sustainable and best value R454B heat pump

Comfort, sustainability and economy are primary concerns when selecting HVAC equipment for your building. Trane Conquest heat pumps combine high performance and proven reliability in a compact and affordable design, delivering maximum value.

CXAX can heat or cool down your building all year round, whether the outdoor air temperature is -15°C or $+46^{\circ}\text{C}$. Units can deliver up to 60°C hot water temperature.

Low noise - with no compromise on efficiency

Operating noise can be a significant disturbance in sensitive building environments. Most manufacturers oversize their units in order to reduce sound power levels. Trane's Conquest range has been designed to deliver lower noise, without reducing efficiency or affecting the footprint. Low Noise (LN) models achieve an impressive 47 dB(A) sound pressure level at 10m in free field.



Smart and simple

Operation is easy thanks to the integrated Trane Symbio™ 800 controller with optional LCD interface.

Communication interfaces are available to provide connectivity with Modbus, BACnet® and Trane BMS.



Range description

- Trane Conquest heat pumps are available in 14 sizes. Units are available with single and/or dual circuit (on 90-155 kW range), as well two acoustic packages: Standard Noise, Low Noise (with no loss of efficiency).

Technical specifications

Cooling capacity	40-155 kW
Heating capacity	40-155 kW
Eurovent certification	●
ErP Certification	●
Refrigerants	R454B R410A
Operating mode	Cooling only Heat pump
Energy saving	Heat recovery
Compressor	Scroll

Product data

CXAX

	Pc (1) kW	Pec (1) kW	EER (1)	SEER (2)	η_{sc} (2) %	Ph (3) kW	Peh (3) kW	COP (3)	Ph (4)	Peh (4) kW	COP (4)	SCOP (5)	η_{sh} (5) %	LwO (6) dB(A)	Refrigerant (7) mm	W (7) mm	H (7) mm	OW (4) kg	
CXAX 015 SE SN	38,8	13,7	2,83	4,29	168,5	41,3	14,1	2,93	-	-	-	3,21	125,3	84	R454B	2346	1285	1747	558
CXAX 017 SE SN	44,0	16,1	2,74	4,34	170,5	47,5	16,0	2,97	-	-	-	3,28	128,2	84	R454B	2346	1285	1747	564
CXAX 020 SE SN	54,9	18,1	3,03	4,20	164,9	55,0	18,6	2,96	-	-	-	3,21	125,4	88	R454B	2346	1285	1747	616
CXAX 023 SE SN	61,5	20,8	2,95	4,31	169,6	61,9	20,2	3,07	-	-	-	3,22	125,8	88	R454B	2346	1285	1747	644
CXAX 026 SE SN	67,8	23,9	2,84	4,13	162,3	68,5	22,5	3,05	-	-	-	3,27	127,9	88	R454B	2346	1285	1747	649
CXAX 030 SE SN	74,7	26,5	2,82	4,09	160,7	77,3	25,0	3,09	-	-	-	3,36	131,5	88	R454B	2346	1285	1947	684
CXAX 036 SE SN	89,2	30,7	2,91	4,74	186,5	92,8	29,8	3,12	-	-	-	3,50	137,0	87	R454B	2326	2250	1747	911
CXAX 039 SE SN	102,3	34,3	2,98	4,54	178,4	105,2	34,1	3,09	-	-	-	3,36	131,5	87	R454B	2326	2250	1747	954
CXAX 045 SE SN	111,2	39,0	2,85	4,39	172,5	116,3	37,9	3,07	-	-	-	3,41	133,3	90	R454B	2326	2250	1747	972
CXAX 035 SE SN	92,2	32,1	2,87	4,47	175,7	95,1	31,6	3,01	-	-	-	3,38	132,2	87	R454B	2327	2250	1747	1000
CXAX 040 SE SN	108,4	35,8	3,03	4,32	169,8	110,0	37,3	2,95	-	-	-	3,20	125,2	91	R454B	2327	2250	1747	1098
CXAX 046 SE SN	121,2	41,5	2,92	4,28	168,3	124,0	42,2	2,94	-	-	-	3,24	126,6	91	R454B	2327	2250	1747	1098
CXAX 052 SE SN	136,7	47,3	2,89	4,31	169,4	137,1	45,7	3,00	-	-	-	3,35	130,9	91	R454B	2327	2250	1747	1120
CXAX 060 SE SN	150,4	52,6	2,86	4,28	168,1	155,5	51,8	3,00	-	-	-	3,41	133,4	91	R454B	2327	2250	1947	1190

Pc: Cooling capacity

SEER: Seasonal Energy Efficiency Ratio

Peh: Total power input in heating

η_{sh} : Seasonal space heating energy efficiency

L: Length

OW : Operating Weight

Pec: Total power input in cooling

η_{sc} : Seasonal space cooling energy efficiency

COP: Coefficient Of Performance (heating)

LwO: A-weighted sound power level outside

W: Width

EER: Energy Efficiency Ratio (cooling)

Ph: Heating capacity

SCOP: Seasonal Coefficient Of Performance

Refrigerant: Refrigerant type

H: Height

(1): Cooling: outdoor air temperature 35°C and chilled water temperature 12°C/7°C. (EN 14511:2022)

(2): Ecodesign rating for comfort chiller - Fan coil application. Outdoor air temperature 35°C and chilled water temperature in/ out: 12°C/7°C. η_{sc} ,c/SEER as defined in Ecodesign requirements for Comfort Chillers with 2000 kW maximum capacity - REGULATION (EU) N° 2016/2281 of 20 December 2016.

(3): Outdoor air temperature 7°C - hot water temperature in/out 40/45°C. (EN 14511:2022)

(4): Outdoor air temperature 7°C - hot water temperature in/out 30/35°C. (EN 14511:2022)

(5): Ecodesign rating at low temperature conditions. Outdoor temperature: 7°C dry bulb/6°C wet bulb and hot water temperature in/out: 30°C/35°C. $\eta_{s,h}$ / SCOP as defined in Directive 2009/125/EC of the European Parliament and of the Council with regard to Ecodesign requirements for Space heaters and combination heaters with Prated < 400kW - COMMISSION REGULATION (EU) N° 813/2013 of 2 August 2013

(6): According ISO 9614:2009. Eurovent conditions, with 1pW reference sound power (without accessories)

(7): Basic unit without accessories

Improve Operations

Technology is continuously evolving and Trane Engineering is ahead of the curve in bringing innovation into product development. Our sustainable solutions deliver enhancements to the Trane installed base to make your chillers and heat pumps even "better than before". That's Trane Building Advantage - TBA.

Trane Rental Services

Cooling and heating are services, not products. A process or a building does not need a chiller or a boiler sitting on a roof, but a reliable and efficiency supply of cold or hot water, cold or warm air. This is the essence of what we do at Trane Rental Services. Let us take care of it for you.



Read more <https://trane.eu/rental>

Trane has a policy of continuous product and product data improvement and reserves the right to change design and specifications without notice.



Trane – by Trane Technologies (NYSE: TT), a global climate innovator – creates comfortable, energy efficient indoor environments through a broad portfolio of heating, ventilating and air conditioning systems and controls, services, parts and supply. For more information, please visit trane.eu or tranetechnologies.com.