



Flex N Air-Cooled Chiller

Cooling capacity: 64-125 kW



TRANE
TECHNOLOGIES

At a Glance:

- Inverter scroll compressors and EC fans: precise, efficient performance across variable loads.
- Extended operating map on both operating ambient temperature (-20°C to 46°C) and leaving water temperature (-12°C to +25°C) makes the unit suitable for a wide range of applications
- Modular design supports quick hydraulic connection and simplified controls for up to 6 units.
- Compact footprint and side-by-side installation with minimum clearance.
- Proprietary Tracer Symbio 800 controller providing advanced cybersecurity features.
- Quiet operation: 4 noise level versions to suit even the most noise-sensitive applications.
- Completely integrated hydraulic kit with buffer tank and pumps
- Partial heat recovery



Efficiency that sets a new benchmark

Delivers top-tier seasonal efficiency in both comfort cooling and process cooling applications, powered by full inverter scroll technology and the thermodynamic strength of R290 to ensure low operating costs and sustainable performance.

Comfort Cooling: SEER up to 5.4.

Process Applications: SEPR HT up to 5.9.



Modular platform engineered for growth

Built on a fully modular platform, Flex N allows fast hydraulic connection and streamlined electronic control in banks of up to six units, delivering cooling capacity up to 750 kW. The compact, easy-to-transport design simplifies installation and enables capacity to be added over time as building requirements evolve. Its side-by-side configuration minimizes site space, while the low refrigerant charge per circuit enhances both safety and environmental responsibility.



Wide operating limits

Flex N air-cooled chillers are designed for efficient year-round operation in both cold and hot climates. They can be configured to operate at full load within a wide outdoor air temperature range, from -20°C to +46°C.

With a leaving water temperature range from -12°C to +25°C, these chillers are ideal for a variety of applications, from comfort cooling to the most demanding process cooling needs.



Safety-forward design

Features a comprehensive safety pack based on Trane's SDS2E approach (Segregate, Detect, Stop, Signal, and Extract), including ATEX-certified leak management and safety relief valves. The optional integrated gas/water separator offers a unique solution by detecting and isolating leaks in the event of a BPHE failure. In parallel, the interlock system enhances protection in side-by-side modular installations.

Range description

- Flex N is a modular air-to-water chiller designed with full inverter scroll technology, available in 4 sizes. Its modular architecture supports heating capacities that extend beyond 700 kW.
- Your Trane Sales Engineer will guide you in selecting the most suitable configuration for your application.

Technical specifications

Unit type	Air-to-water
Operating mode	Cooling only
Cooling capacity	64-125 kW
Heating capacity	-----
Eurovent certification	
ErP Certification	
Refrigerants	R290
Energy saving	Heat recovery Adaptive Frequency™ Drive
Compressor	Scroll
Data protocols	Bacnet Modbus

FLEX N

	P _c (1) kW	EER (1)	SEER (2)	η _{sc} (2) %	LwO (3) dB(A)	L (4) mm	W (4) mm	H (4) mm	OW (4) kg
FLEX N 018	64,1	3,23	5,32	209,8	90	2085	1100	2328	695
FLEX N 023	80,5	3,12	5,32	209,6	92	2718	1100	2328	790
FLEX N 030	103,8	3,11	5,35	210,9	93	3703	1100	2328	1045
FLEX N 035	124,7	3,15	5,38	212,3	93	3703	1100	2328	1050

P_c: Cooling capacity

η_{sc}: Seasonal space cooling energy efficiency

W: Width

EER: Energy Efficiency Ratio (cooling)

LwO: A-weighted sound power level outside

H: Height

SEER: Seasonal Energy Efficiency Ratio

L: Length

OW : Operating Weight

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

(4): Basic unit without accessories

FLEX N - Super Low noise

	P _c (1) kW	EER (1)	SEER (2)	η _{sc} (2) %	LwO (3) dB(A)	L (4) mm	W (4) mm	H (4) mm	OW (4) kg
FLEX N 018 XXLN	64,9	3,22	5,31	209,3	87	2085	1100	2328	705
FLEX N 023 XXLN	81,0	3,02	5,30	208,9	89	2718	1100	2328	800
FLEX N 030 XXLN	104,3	3,01	5,29	208,6	90	3703	1100	2328	1060
FLEX N 035 XXLN	126,3	3,13	5,34	210,6	90	3703	1100	2328	1065

P_c: Cooling capacity

η_{sc}: Seasonal space cooling energy efficiency

W: Width

EER: Energy Efficiency Ratio (cooling)

LwO: A-weighted sound power level outside

H: Height

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(4): Basic unit without accessories

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