



ARIES N iASN Air-Cooled Chiller

Cooling capacity: 260-320 kW



TRANE
TECHNOLOGIES

At a Glance:

- Unmatched reliability for Comfort and Process Cooling applications, even down to -10°C chilled water
- R290 pure, ultra-low GWP refrigerant: A sustainable solution with minimal environmental impact
- An extensive range of options and wide operating map ensures an ideal fit in a variety of comfort or process cooling applications
- 2 reciprocating compressors in 2 independent refrigerant circuits. One circuit equipped with an inverter driven compressor to perfectly adapt to variable cooling loads
- Fully enclosed unit with integral enclosure and acoustic insulation on the compressor compartment, providing easy access to main components
- Electrical cabinet with IP54 protection rating, designed to withstand even harsh industrial environments



An air-cooled chiller with wide operating limits

The iASN air-cooled chillers are designed to operate efficiently in both cold and hot climates. They function within a wide outdoor air temperature range, from -10°C to $+45^{\circ}\text{C}$. With an optional dedicated feature, the lower limit can be extended to -20°C , making them ideal for applications requiring year-round cooling.

Regarding outlet water temperature, iASN units can deliver water temperatures ranging from 0°C to 20°C . For more demanding applications, the MWT version can provide negative water temperatures, from 0°C down to -10°C . This makes the iASN chillers suitable for various process cooling applications, including those in the food and beverage industry.



Integrated hydronic modules

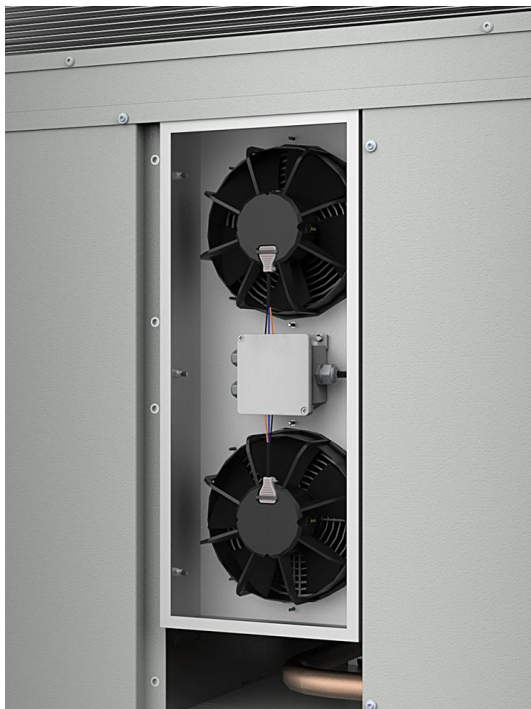
iASN units can be configured with an integrated hydronic module, housed within the same unit frame. The hydronic module includes:

- Single or double twin in-line pump: Available in both standard (2 barg - P2) and increased pressure head (3 barg - P3) configurations. The pumps support stand-by operation and automatic commutation.
- Storage tank: Installed on the evaporator outlet line, with a capacity of up to 1000 liters.
- Water pressure gauge: Located on the pump pressure line, it displays the pressure in the hydraulic circuit when the chiller is off and the pump delivery pressure when the chiller is on.



Partial Heat Recovery: Enhance sustainability by reusing heat

The Partial Heat Recovery option allows for the recovery of approximately 20% of rejection heat to produce hot water, using an additional plate heat exchanger. This recovery exchanger is externally clad with thermal insulation to prevent heat dispersion. It also features a manual air bleed valve at the top and a drain valve at the bottom. The water-side connections are easily accessible from the exterior.



Comprehensively engineered with a focus on safety

The iASN units are designed with safety as a top priority. Refrigeration and hydraulic components are housed in two separate compartments. The refrigeration compartment is equipped with a leak detector that cuts the power supply to the main loads and activates the ATEX extraction fans at maximum speed.

For additional safety, the electrical cabinet is detached from the main unit. Furthermore, safety relief valves are provided on both the low-pressure and high-pressure sides.

Range description

- The Aries iASN range includes 2 models, offering cooling capacities from 260 kW to 320 kW. Each unit features all the essential hydraulic and mechanical components integrated within the unit, ensuring a compact and efficient design.

Technical specifications

Unit type	Air-to-water
Operating mode	Cooling only
Cooling capacity	260-320 kW
Heating capacity	-----
Eurovent certification	●
ErP Certification	●
Refrigerants	R290

Energy saving	Heat recovery Adaptive Frequency™ Drive
Compressor	Piston
Data protocols	Modbus

ARIES N High Efficiency

	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
iASN 110 HE	259,8	2,72	4,12	162,0	95	3541	2241	2475	2649
iASN 150 HE	318,9	2,84	4,10	161,0	97	4531	2241	2475	3309

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

ARIES N Silenced High Efficiency

	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
iASN 110 SHE	252,5	2,69	4,10	161,1	88	3541	2241	2475	2649
iASN 150 SHE	309,5	2,83	4,11	161,3	89	4531	2241	2475	3309

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

Trane, leaders in HVAC technology, services and energy solutions.

Our mission is to get it right for our customers and the climate.

Innovative thermal management systems

For all commercial and industrial applications, we offer a broad portfolio of HVAC solutions including heat pumps, chillers, multi-pipe units, packaged rooftops, air handling units and water terminals.

Partner with Trane



Lifecycle Management

From start-up services to full turn-key solutions, all the way to disposal and recycling.



Modernize and optimize

A wide array of solutions to ensure your HVAC equipment is always running at its peak performance, including technology upgrades.



Digital Services

Avoid unexpected cost and downtime thanks to Trane's connected service agreements.



Rental Services

An extensive and modern fleet, for short and long-term rental. Contact our experts for a quote:
rent-trane.com

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



TRANE

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.

© 2026 Trane. All rights reserved.