

Rooftop units with Adaptive Frequency™ Drive

To run efficiently, buildings need to be capable of adapting to indoor and outdoor conditions.

That's why Trane Airfinity™ rooftop air-sourced heat pumps are equipped with variable speed technology and intelligent control that adapt cooling and heating outputs to your building's demand. It's that simple.

- 20 to 65 kW heating and cooling capacity
- 3,860 to 12,000 m³/h airflow range
- Exceeds ErP Tier 2 (2021) thresholds
- Free cooling operation in summer
- Heat recovery wheel optional
- Heat pump operation down to -10°C
- Hybrid version available for cold climates



Product data

Models IH		021	031	041	051	061	071
Nominal airflow	(m ³ /h)	3,860	5,790	7,720	9,650	11,580	12,000
Net cooling capacity (1)	(kW)	19.8	30.2	39.8	50.2	60.3	64.2
Total power input	(kW)	4.6	8.0	10.6	14.7	20.1	22.9
Net EER		4.28	3.76	3.76	3.41	3.00	2.80
Seasonal energy efficiency (η _{s,c}) (2)	(%)	218.5	219.7	195.8	203.8	179.8	171.6
SEER (2)		5.54	5.57	4.97	5.17	4.57	4.36
Net heating capacity (1)	(kW)	19.9	29.7	40.4	49.6	58.6	58.8
Total power input	(kW)	5.3	7.9	11.4	14.6	18.2	18.3
Net COP		3.78	3.75	3.53	3.40	3.21	3.22
Seasonal energy efficiency (η _{s,h}) (2)	%	125	132	126	131	126	126
SCOP (2)		3.20	3.38	3.22	3.36	3.23	3.21
Outdoor sound power level (3)	(dB(A))	80	81	84	85	87	87
Length	(mm)	2830					
Width	(mm)	2250					
Height	(mm)	1565					
Unit operating weight (4)	(kg)	858	858	926	927	937	937

(1) According to EN14511:2018 nominal conditions (cooling: outdoor 35°C DB, indoor 27°C DB/19°C WB; heating: 7°C DB/6°C WB, indoor 20°C DB)

(2) Seasonal efficiency according to EN14825:2018 (average climate)

(3) Sound power level were measured following the ISO 9614

(4) Weight includes G4 filters, economizer, down flow configuration and full refrigerant charge

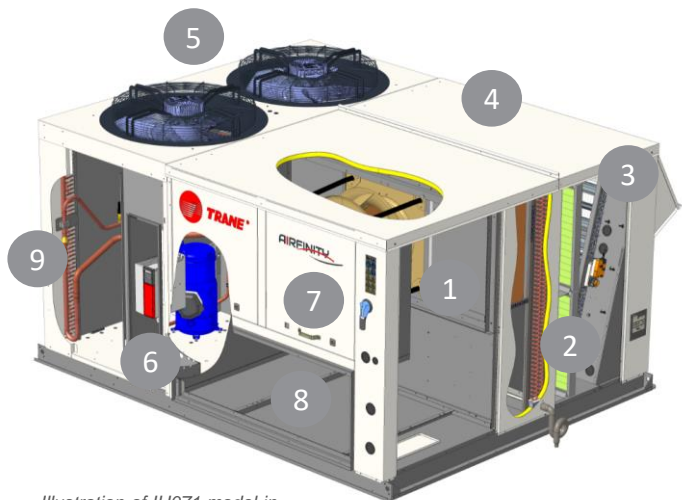
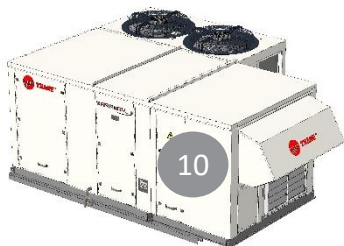


Illustration of IH071 model in horizontal flow configuration



1. EC plug fans with variable speed technology
2. Indoor air filtration: G4, G4+F7, F5+F7 or G4+F9
3. Economizer for fresh air and free cooling with optional EC exhaust fan
4. Dual skin panels with 25mm thickness insulation
5. High efficiency axial outdoor fans (EC available as an option)
6. Variable speed scroll compressor with intermediate discharge valve and permanent magnet motor (*Adaptive Frequency™ Drive*)
7. Embedded Trane controller, pre-wired and pre-configured from the factory for quick start-up and commissioning
8. Auxiliary heat options (not shown): gas heater, electric heater, hot water coil
9. Optimized heat exchanger to improve efficiency in heating mode
10. Heat recovery module with enthalpy wheel (including purge function to avoid dirty air mixing) and integrated exhaust fan

Trane - by Trane Technologies (NYSE: TT), a global climate innovator - creates comfortable, energy efficient indoor environments for commercial and residential applications. For more information, please visit trane.eu or tranetechnologies.com. Trane has a policy of continuous product and product data improvement and reserves the right to change design and specifications without notice.