



**TRANE**



**RTDF**



**TRANE**  
TECHNOLOGIES

**Trane heating.**  
Naturally.

**E-CELLENT**

## RTDF



**Cooling capacity: 112-365 kW**

**Heating capacity: -----**

- Air-cooled ammonia chiller for deep freezing applications
- Leaving glycol temperature between  $-12^{\circ}\text{C}$  and  $-30^{\circ}\text{C}$  at ambient temperatures between  $-10^{\circ}\text{C}$  and  $+47^{\circ}\text{C}$
- Very high efficiency in deep freezing applications
- Zero GWP, non-ozone depleting, ultra-low ammonia ( $\text{NH}_3$  / R717) charge - only 70 g per kW
- Semi-hermetic screw compressor with permanent magnet motor
- Microchannel condenser coils and stainless steel welded plate evaporator
- 112 -365 kW (at  $35^{\circ}\text{C}$  ambient,  $-19^{\circ}\text{C}$  /  $-25^{\circ}\text{C}$  50% EG)



## Leading efficiency and performance in deep freezing applications

The RTDF ammonia chiller is dedicated to deep freezing process applications where chiller leaving glycol temperature is between  $-12^{\circ}\text{C}$  and  $-30^{\circ}\text{C}$ . The RTDF design is optimized to offer very high efficiencies at these deep freezing temperatures.

Partial or total heat recovery options further improves the energy efficiency of the process application and enables production of hot water while cooling.



## Ultra-low charge ammonia refrigerant

RTFD uses zero GWP and non-ozone depleting ammonia ( $\text{NH}_3$  / R717) refrigerant with ultra low charge – only 70 g per kW is needed. Ultra-low refrigerant charge enables easier safety regulations for unit transportation and installations.

## Range description

- RTDF deep freezing ammoniac (R717) chillers have 7 sizes ranging from 112 to 365 kW at  $+35^{\circ}\text{C}$  ambient,  $-19^{\circ}\text{C}$  /  $-25^{\circ}\text{C}$  50% EG).

## Technical specifications

Cooling capacity	112-365 kW
Heating capacity	-----

<b>Eurovent certification</b>	
<b>ErP Certification</b>	●
<b>Refrigerants</b>	R717
<b>Operating mode</b>	Cooling only
<b>Energy saving</b>	Heat recovery   Adaptive Frequency™ Drive
<b>Compressor</b>	Screw

## Product data

### RTDF

	Pc (1) kW	EER (1)	L (2) mm	W (2) mm	H (2) mm	OW (2) kg
<b>RTDF 030</b>	128,0	1,24	4977	2200	2315	4386
<b>RTDF 035</b>	130,0	1,23	4977	2200	2315	3540
<b>RTDF 040</b>	158,0	1,25	6454	2200	2315	3540
<b>RTDF 050</b>	192,0	1,29	6454	2200	2315	4552
<b>RTDF 070</b>	259,0	1,24	7960	2200	2315	5450
<b>RTDF 080</b>	315,0	1,27	7960	2200	2315	5570
<b>RTDF 100</b>	383,0	1,32	10883	2200	2315	7290

Pc: Cooling capacity  
W: Width

EER: Energy Efficiency Ratio (cooling)  
H: Height

L: Length  
OW : Operating Weight

(1): Outdoor air temperature 35°C and chilled glycol (50% EG) temperature -19°C / -25°C

(2): 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](https://trane.eu) or [tranetechnologies.com](https://tranetechnologies.com).