TRANE®

Air-cooled liquid chiller

Cooling-only and reversible models
With or without integrated hydraulic module

CGA / CXA 150 - 200 - 240

The CGA/CXA/VGA/VXA range of chillers is ideal for applications for buildings within the service sector (banks, offices, hotels…) containing more than three or four zones requiring air-conditioning. It particularly suits applications when only one outdoor installation is allowed.

CGA: Cooling-only liquid chiller
VGA: Cooling-only liquid chiller with integrated hydraulic module

CXA: Reversible liquid chiller
VXA: Reversible liquid chiller with integrated hydraulic module

Features

The full range is equipped with ***Scroll compressors*** that have acquired an indisputable notoriety on today's market due to their efficiency and reliability. ***Heat exchangers*** have been designed to guarantee the best energy efficiencies and the widest operating temperature range in order to fully benefit from a year-round operation. R22* or R407C refrigerants are available on both cooling-only and reversible models. ***The integrated hydraulic*** module on VGA/VXA units is comprised of a pump and a buffer tank.

Factory-installed options

- ✓ Black epoxy coating on condenser fins (available as standard in certain regions)
- ✓ Low leaving water temperature (down to -12°C)
- ✓ Low ambient dual speed fan (down to -10°C air temperature)

Site-installed accessories

- ✓ Remote control module
- ✓ High and low pressure gauges

Eurovent certification

CGA/CXA/VGA/VXA chillers are Eurovent-certified by an independent and external laboratory.

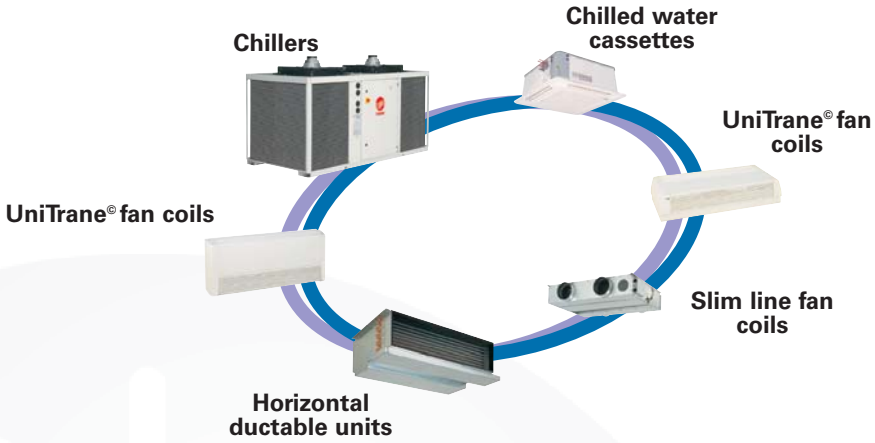
Eurovent certification means the assurance of accurate performance data and common comparison criteria.

* In accordance with the American Standard environmental policy, Trane promotes the use of Chlorine free refrigerants (ozone friendly) such as R407C.
However R22 remains available for countries where the availability of R407C is still limited.

One of the key players in Trane comfort chilled water systems

CGA/CXA/VGA/VXA chillers are designed give outstanding results when used together with Trane indoor units such as chilled water cassette units, console/ceiling fan coil units, or ductable ceiling units.

Building occupants appreciate not only the ***comfortable*** air temperature that Trane chilled water systems can provide, but also the ***quiet work environment*** that they preserve.



Reliable controls ensuring performance, simplicity and safety

CXA/CXA/VGA/VXA chillers are equipped with a versatile controller specially designed for chillers and heat pumps. It controls the return water temperature as it monitors numerous ***operating and security parameters*** such as evaporator freeze protection, high and low pressure and variable fan speed (low ambient temperature option).

The controller guarantees ***optimized power consumption*** thanks to the following features:

- anti-short cycling
- staggered compressor operation
- defrost cycle in heating mode (CXA/VXA only)

The user interface will allow the user to interact very simply and quickly with the system.

Its display indicates:

- ✓ Current return water temperature
- ✓ Operating status
- ✓ Fault codes

Simplified installation

Several well-designed features of the chillers make installations easier and faster, and also simplify maintenance tasks.

Units are ***compact*** and have a reduced footprint, facilitating handling and installation on the job site.

The large side panels allow ***direct access*** to the main components of the refrigeration circuit.

Installation requires only electrical connections to the factory-supplied disconnect switch, and hydraulic connections (VGA/VXA only) to be done.

VGA/VXA 075 - 100 - 120

CGA/CXA 075 - 100 - 120

General Data

CGA/CXA

	Unit size		075	100	120	150	200	240
	Eurovent Performances (1)							
R407C	Cooling Capacity (CGA/CXA)	(kW)	19.2/19.0	25.2/25.0	31.7/30.7	38.6/38.3	50.9/50.4	64.0/63.5
R407C	Power input in cooling (CGA/CXA)	(kW)	6.8/6.8	9.3/9.2	12.8/13.2	13.5/13.3	18.5/18.2	25.4/25.0
R407C	Heating Capacity (CXA)	(kW)	19	25.4	31.3	38.1	50.9	62.5
R407C	Power input in heating (CXA)	(kW)	8.1	10.7	14.1	16.0	21.2	28.0
* R22	Cooling Capacity (CGA/CXA)	(kW)	19.8/19.5	25.7/25.5	31.2/31.0	39.7/39.4	51.8/51.3	64.6/61.4
* R22	Power input in cooling (CGA/CXA)	(kW)	7.2/7.1	9.5/9.4	13.5/13.4	14.1/13.9	18.8/18.6	25.8/25.5
* R22	Heating Capacity (CXA)	(kW)	21.4	28.6	35.2	42.8	57.2	70.3
* R22	Power input in heating (CXA)	(kW)	7.8	10.3	13.6	15.3	20.3	26.8
	Main power supply		400/3/50					
	Number of compressors/circuits		1/1	1/1	1/1	2/2	2/2	2/2
	Evaporator water connection type		Male					
	Evaporator water connection diameter		1 1/4	1 1/4	1 1/4	1 1/2	1 1/2	1 1/2
	Height	(mm)	1230	1230	1230	1230	1230	1230
	Length	(mm)	1060	1060	1260	2200	2200	2200
	Width	(mm)	950	950	1050	1050	1050	1050
	CGA Weight uncrated	(kg)	195	210	226	394	424	455
	CGA Weight crated	(kg)	215	230	246	429	459	490
	CXA Weight uncrated	(kg)	201	216	232	406	436	468
	CXA Weight crated	(kg)	221	236	252	441	471	503

(1) at Eurovent Conditions

VGA/VXA

	Unit size		075	100	120
	Eurovent Performances (1)				
R407C	Cooling Capacity (VGA/VXA)	(kW)	19.2/19.0	25.2/25.0	31.7/30.7
R407C	Power input in cooling (VGA/VXA)	(kW)	6.8/6.8	9.3/9.2	12.8/13.2
R407C	Heating Capacity (VXA)	(kW)	19	25.4	31.3
R407C	Power input in heating (VXA)	(kW)	8.1	10.7	14.1
* R22	Cooling Capacity (VGA/VXA)	(kW)	19.8/19.5	25.7/25.5	31.2/31.0
* R22	Power input in cooling (VGA/VXA)	(kW)	7.2/7.1	9.5/9.4	13.5/13.4
* R22	Heating Capacity (VXA)	(kW)	21.4	28.6	35.2
* R22	Power input in heating (VXA)	(kW)	7.8	10.3	13.6
	Main power supply			400/3/50	
	Number of compressors/circuits		1/1	1/1	1/1
	Evaporator water connection type			Male	
	Evaporator water connection diameter	(inch)	1 1/2	1 1/2	1 1/2
	Expansion tank volume	(l)	35	35	35
	Height	(mm)	1730	1730	1730
	Length	(mm)	1060	1060	1260
	Width	(mm)	950	950	1050
	VGA Weight uncrated	(kg)	399	414	430
	VGA Weight crated	(kg)	419	434	450
	VXA Weight uncrated	(kg)	405	420	436
	VXA Weight crated	(kg)	425	440	456
	Water volume (total)	(l)	93	93	103

(1) at Eurovent Conditions

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Literature Order Number	CG-SLB011-E4
Date	0606
Supersedes	CG-SLB011-E4_0304
Stocking Location	Europe

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