



TRANE®

CXB HT HEAT PUMPS

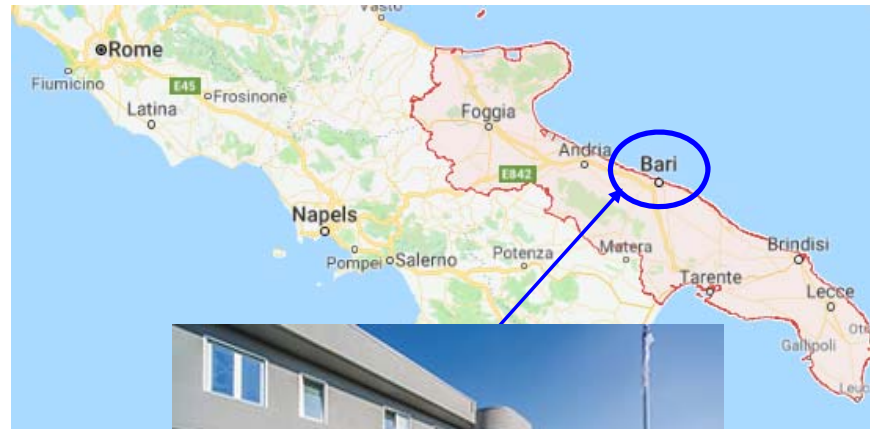
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Bari Factory Products



LYRA



BALANCE™



TRANE CUBE



FLEX



IR Ingersoll Rand



TRANE **CUBE**

CXB HT

New High Temperature heat pumps for production of hot water up to **+65°C**

TRANE CUBE HT



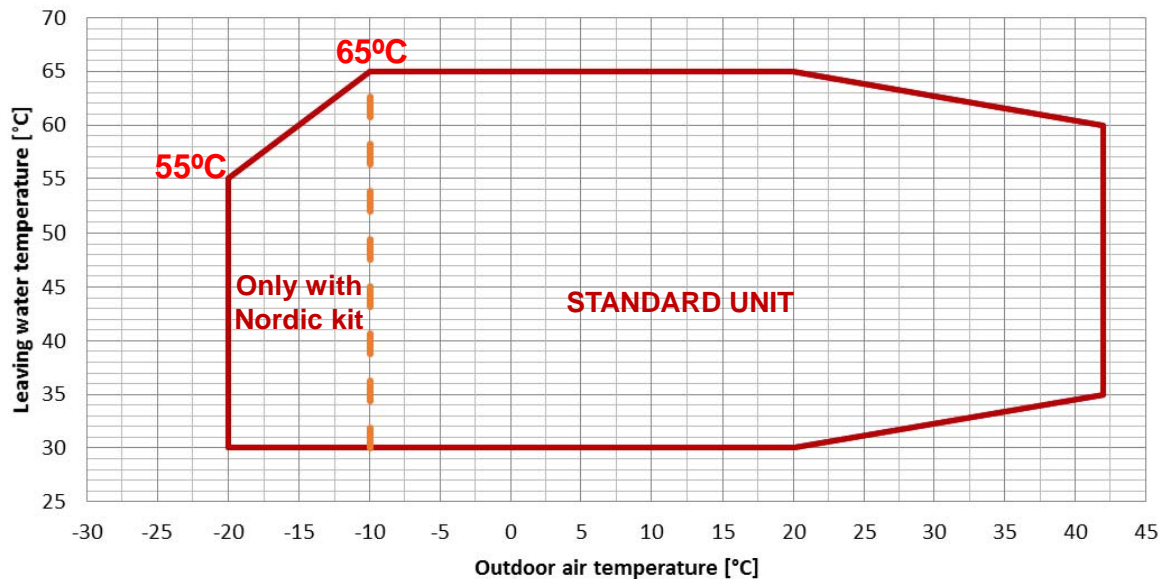
CXB HT

- High Temperature heat pump for hot water up to:
 - ✓ **65°C** at -10°C ambient
 - ✓ **55°C** at -20°C ambient
- Perfect fit for Northern Europe, Eastern Europe and mountain areas
- Perfect fit when high temp. hot water is needed year round

TRANE CUBE CXB HT Operating Map



CXB HT HEAT PUMP MODE



HEATING MODE

Standard ambient air temp. down to -10°C

- ✓ 2 speeds fans
- ✓ Optimized defrosting management

Nordic kit down to -20°C (optional)

- ✓ EC fan motors + Premium controller iPRO
- ✓ Heater in control panel
- ✓ Dual insulation on Brazed Plate Heat Exchanger
- ✓ Defrosting based on approach temperature

Nordic kit down to -20°C with 55°C hot water opens many new opportunities across Northern and Eastern Europe !



HEATING MODE

Vapor Injection Scroll Compressors allow:

- ✓ Much larger **Heating** Operating Map
- ✓ Applications in medium temperature hydraulic heating systems (radiators.....)
- ✓ Applications across Europe

Designed for Superior **Heating Performances! To Replace Gas & Oil Boilers**



CXB HT Models



CXB HT	Unit size	023	029	038
COOLING PERFORMANCE ACCORDING TO EN 14511 (1)				
Total cooling capacity	kW	18.5	23.7	31.9
Total power input	kW	7.1	9.3	13.2
Total EER		2.61	2.55	2.41
Water flow	m ³ /h	3.18	4.08	5.49
Water pressure drop	kPa	5.7	8.5	15.7
HEATING PERFORMANCE ACCORDING TO EN 14825 (1)				
Total heating capacity	kW	22.5	29.2	37.7
Total power input	kW	6.8	8.5	11.6
Total COP		3.31	3.44	3.25
Water flow	m ³ /h	3.87	5.02	6.48
Water pressure drop	kPa	8.47	12.9	22.0
SEASONAL EFFICIENCY IN HEATING ACCORDING TO EN 14825 (6)				
P rated	kW	17.9	23.1	30.0
η _{s, heating}	%	115%	120%	115%
SCOP		2.96	3.06	2.95
Energy efficiency class		A+	A+	A+
HYDRAULIC MODULE (OPTIONAL)				
Available pump pressure	kPa	147	177	144
Water tank volume	l	100	100	100
Expansion vessel	l	1	1	1
COMPRESSORS				
Number of compressors	n	2	2	2
Number of refrigerant circuits	n	1	1	1
Type of control / part load steps			Step control / 2 steps	
Minimum capacity step	%	50%	50%	50%
Refrigerant charge (3)	kg	11	20	19
Oil charge	kg	2.5	2.5	3.8
FANS				
Number of fans		2	2	2
Air flow	m ³ /h	11013	10606	15150
Power input for each fan (in chiller mode)	kW	0.14	0.14	0.4
Absorbed current for each fan	A	0.58	0.58	1.70
SOUND LEVEL (4)				
Sound pressure level at 10 m	dB(A)	46	46	46
DIMENSIONS AND WEIGHTS				
Length	mm	1807	2061	2061
Depth	mm	780	780	780
Height	mm	1687	1687	1687
Additional height for water tank	mm	380	380	380

=> Outdoor air temperature 7°C with 90% R.H.
Hot water temperature in/out 40/45°C

Low pump energy

Ecodesign Efficiency Class A+

Very low noise level

Only 78 cm depth

Three models: 22 / 29 / 38 kW **heating** at 40/45°C hot water