



technoblock



NORTE TH-B Units

*colder
than ever*



**Agregaty skraplające, wyciszone,
dla zastosowań komercyjnych i przemysłowych.**



NORTE TH-B Units

Agregaty skraplające z jedną sprężarką, odpowiednie do zastosowań komercyjnych oraz przemysłowych. Wyjątkowo elastyczne, mogą być podłączone do każdego systemu odparowania do pracy w dodatnich oraz ujemnych temperaturach. Mogą być dostosowane do różnych układów, w zależności od potrzeb klienta.

Czynniki R404A (GWP = 3.922) oraz R134a (GWP = 1.430), inne czynniki na zapytanie.

in single-compressor version, suitable for commercial and industrial refrigeration. Extremely flexible, they can be connected with any evaporating system to control positive and negative temperature ambients. They are highly customizable solutions for different applications and able to respond to all customer needs. R404A (GWP = 3.922) and R134a (GWP = 1.430) refrigerants, other on request.



codice code		THNB3300	THNB3360	THNB3450	THNB3600	THNB3660	THNB3750	THNB3900
forma form		4	4	4	5	5	5	6
tensione voltage	V/ph/Hz	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50
max potenza assorbita max absorbed power	kW	39.88	45.88	51.88	62.82	68.82	80.82	91.76
tipo di compressore compressor type		S	S	S	S	S	S	S
volume spostato displacement	m ³ /h 50 Hz	104.19	123.9	145.5	168.6	190.5	221.1	253.8
marca brand		Bitzer	Bitzer	Bitzer	Bitzer	Bitzer	Bitzer	Bitzer
modello model		3 x 4VES -10Y	3 x 4TES - 12Y	3 x 4PES - 15Y	3 x 4NES - 20Y	3 x 4JE - 22Y	3 x 4HE - 25Y	3 x 4GE -30Y
refrigerante refrigerant		R404A*	R404A*	R404A*	R404A*	R404A*	R404A*	R404A*

CONDENSATORE - CONDENSER

passo alette fin spacing	mm	2.1	2.1	2.1	2.1	2.1	2.1	2.1
ventilatori fans	n°x Ø (mm)	2x800	2x800	2x800	3x800	3x800	3x800	4x800
modello model	ph/p	1ph-6P	1ph-6P	1ph-6P	1ph-6P	1ph-6P	1ph-6P	1ph-6P
assorbim. ventole (cad) fan absorption (each)	W	1940	1940	1940	1940	1940	1940	1940
portata aria airflow	m ³ /h	43400	41000	41000	65000	61400	61400	79000
liv. pressione sonora sound pressure level	dB (A) **	50	50	51	53	53	53	55

TUBAZIONI - PIPES

aspirazione aspiration	D mm	54	54	64	64	64	76	76
liquido liquid	D mm	22	22	28	28	28	28	28
ricevitore liquido liquid receiver	lt	2x21	60	60	80	80	80	125

* GWP = 3.922

** livello medio di pressione sonora Lp con fattore di direttività Q=4, emesso da gruppo refrigerante in campo libero a 10 metri di distanza
con insonorizzazione residenziale

** medium sound pressure level Lp with direction factor Q=4 for condensing unit running in free field at 10 meter of distance

** with residential soundproofing

Dati disponibili su videocatalogo liberamente accessibile all'indirizzo web: www.technoblock.com
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TABELLA DI SELEZIONE SELECTION TABLE

		THNB3300	THNB3360	THNB3450	THNB3600	THNB3660	THNB3750	THNB3900
To °C	Ta °C	Qo (W)	Qo (W)	Qo (W)	Qo (W)	Qo (W)	Qo (W)	Qo (W)
-10	32	54058	63029	71241	87915	96541	112811	130436
	40	46031	53716	60347	75020	82402	96442	111389
-15	32	44646	52533	59103	73047	80772	94871	109833
	40	37927	44702	49889	62243	68788	81075	93840

Legenda Legend

To °C Temperatura evaporazione Evaporating temperature

Ta °C Temperatura esterna Outside temperature

Qo (W) Potenza frigorifera (temperatura gas aspirato 20 C°, sottoraffreddamento del liquido 0 K)
Refrigerating capacity (suction gas temp. 20 C°, liquid sub-cooling 0K)

codice code		THNB3990	THNB31050	THNB31200	THKB3180	THKB3270	THKB3360	THKB3420
forma form		6	7	7	3	3	3	3
tensione voltage	V/ph/Hz	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50
max potenza assorbita max absorbed power	kW	97.76	117.70	147.70	34.80	40.80	43.80	52.80
tipo di compressore compressor type		S	S	S	S	S	S	S
volume spostato displacement	m³/h 50 Hz	285.9	331.5	380.4	104.19	123.9	145.5	168.6
marca brand		Bitzer	Bitzer	Bitzer	Bitzer	Bitzer	Bitzer	Bitzer
modello model		3 x 6JE - 33Y	3 x 6HE - 35Y	3 x 6GE - 40Y	3 x 4VES - 7Y	3 x 4TES - 9Y	3 x 4PES - 12Y	3 x 4NES - 14Y
refrigerante refrigerant		R404A*	R404A*	R404A*	R404A*	R404A*	R404A*	R404A*

CONDENSATORE - CONDENSER

passo alette fin spacing	mm	2.1	2.1	2.1	2.1	2.1	2.1	2.1
ventilatori fans	n° x Ø (mm)	4x800	5x800	5x800	3x630	3x630	3x630	3x630
modello model	ph/p	1ph-6P	1ph-6P	1ph-6P	1ph-6P	1ph-6P	1ph-6P	1ph-6P
assorbim. ventole (cad) fan absorption (each)	W	1940	1940	1940	600	600	600	600
portata aria airflow	m³/h	79000	98500	98500	25400	25400	25400	25400
liv. pressione sonora sound pressure level	dB (A) **	54	56	57	50	51	52	55

TUBAZIONI - PIPES

aspirazione aspiration	D mm	76	2x64	2x64	54	54	64	64
liquido liquid	D mm	35	35	42	16	18	18	18
ricevitore liquido liquid receiver	lt	125	150	150	21	21	2x21	2x21

* GWP = 3.922

** livello medio di pressione sonora Lp con fattore di direttività Q=4, emesso da gruppo refrigerante in campo libero a 10 metri di distanza con insonorizzazione residenziale

** medium sound pressure level Lp with direction factor Q=4 for condensing unit running in free field at 10 meter of distance

** with residential soundproofing



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To °C	Ta °C	Qo (W)	Qo (W)	Qo (W)	To °C	Ta °C	Qo (W)	Qo (W)	Qo (W)	Qo (W)
-10	32	143409	169909	187901	-30	32	21679	26243	28354	33716
	40	122639	145580	160432		40	18013	21989	23327	28008
-15	32	119687	142337	158636	-35	32	16420	20209	21620	26211
	40	12847	16619	19689		40	13455	16777	17530	21585

Legenda Legend

To °C Temperatura evaporazione Evaporating temperature

Ta °C Temperatura esterna Outside temperature

Qo (W) Potenza frigorifera (temperatura gas aspirato 20 °C, sottoraffreddamento del liquido 0 K)
Refrigerating capacity (suction gas temp. 20 °C, liquid sub-cooling 0K)



codice code		THKB3450	THKB3540	THKB3690	THKB3750	THKB3840	THKB31020	THKB31320
forma form		3	4	5	5	6	6	6
tensione voltage	V/ph/Hz	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50
max potenza assorbita max absorbed power	kW	58.80	69.88	86.82	86.82	106.76	127.76	145.76
tipo di compressore compressor type		S	S	S	S	S	S	S
volume spostato displacement	m ³ /h 50 Hz	190.5	221.1	253.8	285.9	331.5	380.4	454.8
marca brand		Bitzer	Bitzer	Bitzer	Bitzer	Bitzer	Bitzer	Bitzer
modello model		3 x 4JE - 15Y	3 x 4HE - 18Y	3 x 4GE - 23Y	3 x 6JE - 25Y	3 x 6HE - 28Y	3 x 6GE - 34Y	3 x 6FE - 44Y
refrigerante refrigerant		R404A*	R404A*	R404A*	R404A*	R404A*	R404A*	R404A*

CONDENSATORE - CONDENSER

passo alette fin spacing	mm	2.1	2.1	2.1	2.1	2.1	2.1	2.1
ventilatori fans	n° x Ø (mm)	3x630	2x800	3x800	3x800	4x800	4x800	4x800
modello model	ph/p	1ph-6P	1ph-6P	1ph-6P	1ph-6P	1ph-6P	1ph-6P	1ph-6P
assorbim. ventole (cad) fan absorption (each)	W	600	1940	1940	1940	1940	1940	1940
portata aria airflow	m ³ /h	25400	41000	65000	61400	83500	83500	79000
liv. pressione sonora sound pressure level	dB (A) **	53	54	59	58	62	62	63

TUBAZIONI - PIPES

aspirazione aspiration	D mm	64	76	76	76	2x64	2x64	2x76
liquido liquid	D mm	18	22	22	22	28	28	28
ricevitore liquido liquid receiver	lt	2x21	60	60	60	80	80	80

* GWP = 3.922

** livello medio di pressione sonora Lp con fattore di direttività Q=4, emesso da gruppo refrigerante in campo libero a 10 metri di distanza

** con insonorizzazione residenziale

** medium sound pressure level Lp with direction factor Q=4 for condensing unit running in free field at 10 meter of distance

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TABELLA DI SELEZIONE SELECTION TABLE

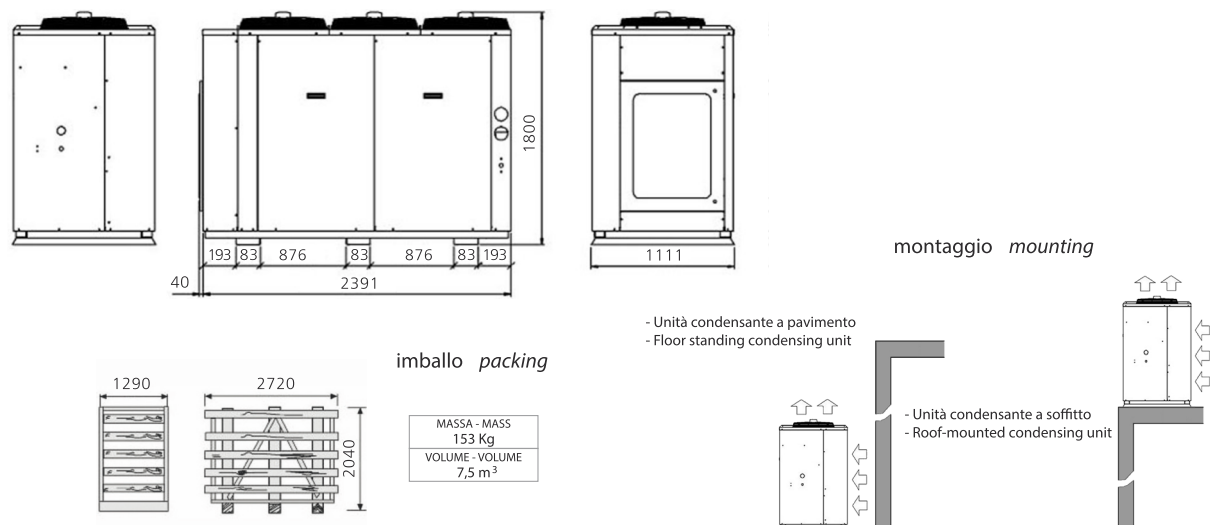
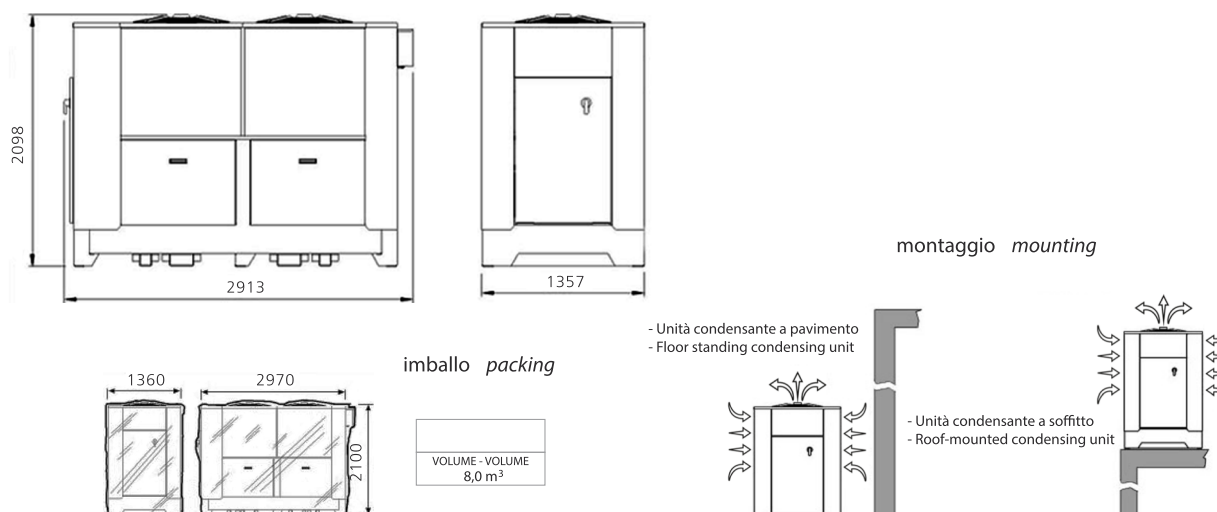
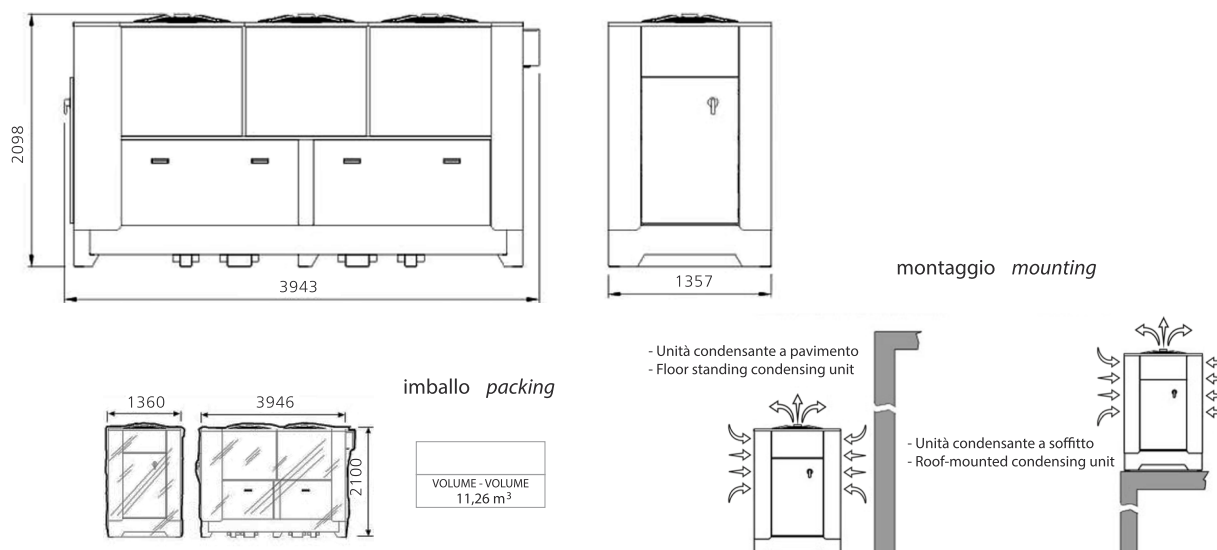
		THKB3450	THKB3540	THKB3690	THKB3750	THKB3840	THKB31020	THKB31320
To °C	Ta °C	Qo (W)	Qo (W)	Qo (W)	Qo (W)	Qo (W)	Qo (W)	Qo (W)
-30	32	39026	49134	59473	62134	74637	88079	103411
	40	32715	41621	50915	52349	63397	75601	88159
-35	32	30651	38586	46913	48482	58383	70180	81975
	40	25459	32494	40087	40471	49253	60129	69477

Legenda Legend

To °C Temperatura evaporazione Evaporating temperature

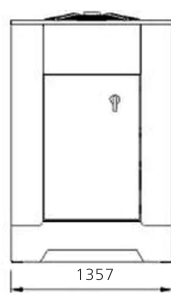
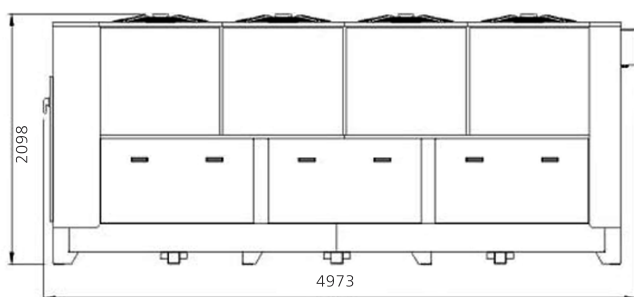
Ta °C Temperatura esterna Outside temperature

Qo (W) Potenza frigorifera (temperatura gas aspirato 20 C°, sottoraffreddamento del liquido 0 K)
Refrigerating capacity (suction gas temp. 20 C°, liquid sub-cooling 0K)

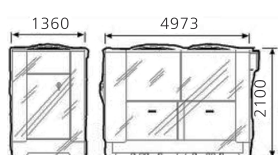
Dimensioni **Forma 3** *Form 3 Dimensions*

Dimensioni **Forma 4** *Form 4 Dimensions*

Dimensioni **Forma 5** *Form 5 Dimensions*




Dimensioni **Forma 6** *Form 6 Dimensions*



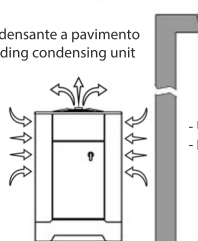
montaggio *mounting*



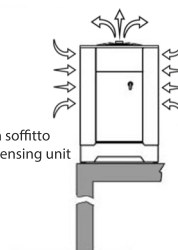
imballo *packing*

VOLUME - VOLUME
14,0 m ³

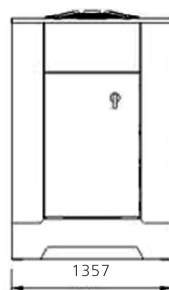
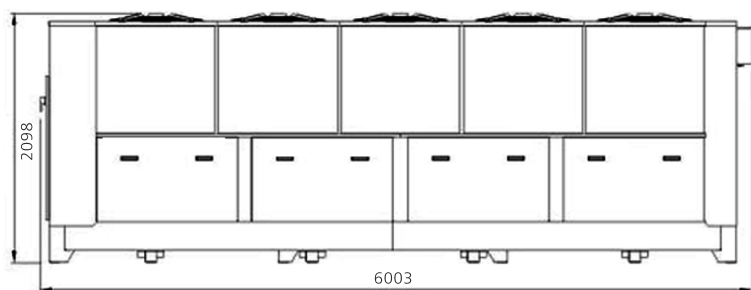
- Unità condensante a pavimento
- Floor standing condensing unit



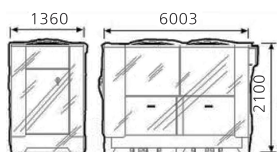
- Unità condensante a soffitto
- Roof-mounted condensing unit



Dimensioni **Forma 7** *Form 7 Dimensions*



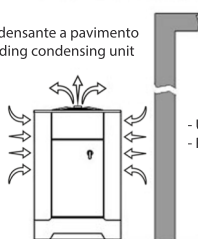
montaggio *mounting*



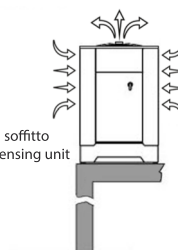
imballo *packing*

VOLUME - VOLUME
17,14 m ³

- Unità condensante a pavimento
- Floor standing condensing unit



- Unità condensante a soffitto
- Roof-mounted condensing unit



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MONOBLOKI CHŁODNICZE TECHNOBLOCK

MISTRAL



Monobloki chłodnicze
do montażu na ścianę i dach



BORA



Urządzenia typu
splity i bi-bloki
dla chłodnictwa
komercyjnego i przemysłowego



NORTE



Agregaty skraplające
jedno i wielospężarkowe
dla małego i przemysłowego chłodnictwa



TAKU



Agregaty wody lodowej
Chillery



ALIZÈ



Chłodnice i skraplacze

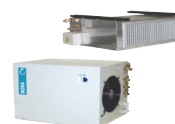


GHIBLI



Specjalne urządzenia chłodnicze

Pompy ciepła dedykowane do ogrzewania basenów
Sezonowanie i suszenie
Urządzenia do przechowywania wina





technoblock



NORTE TH-B Units

*Colder
than
ever*

MONOBLOKI CHŁODNICZE TECHNOBLOCK



PED Certification
Bureau Veritas Italia SpA
n° 1370



member of



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CHŁODNICTWO

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