



technoblock



NORTE UV Units

Colder than ever



Agregaty skraplające ze zmienną wydajnością



NORTE UV Units

- Jednostki do montowania na podłodze.
- Jednostki wyposażone w sprężarki hermetyczne pracujące z częstotliwością od 30 do 90 Hz (niektóre modele do max 85 Hz) oraz grzałki karteru.
- Falownik do kontrolowania prędkości obrotowej silnika sprężarki.
- Sonda niskiego ciśnienia, na rurociągu ssawnym, połączona z falownikiem.
- Skrzynka przyłączeniowa dostosowana do podłączenia sterownika.

Condensing units with closed frame, with single or twin compressor, inverter controlled. Extremely flexible units for outdoor installation. Available for positive or negative temperature applications, its highly customizable for different needs and demands of the customer. Available with gas R404A (GWP = 3.922) or R134a (GWP = 1.430), others on request.



NIVIS
CHŁODNICTWO



codice code		UVNBT4046	UVNBT4060	UVNBT4070	UVNBT5100	UVNBT5120	UVNBT5150
forma form		4	4	4	5	5	5
tensione voltage	V/ph/Hz	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	6.93	8.13	9.43	13.06	15.06	18.56
tipo di compressore compressor type		S	S	S	S	S	S
volume spostato displacement	m ³ /h 50 Hz	19.08	22.80	26.80	36.20	45.40	53.60
marca brand		Bitzer	Bitzer	Bitzer	Bitzer	Bitzer	Bitzer
modello model		2FES-3Y+2GES-2Y	2EES-3Y+2FES-3Y	2DES-3Y+2EES-3Y	4FES-5Y+2CES-4Y	4EES-6Y+4FES-5Y	4DES-7Y+4EES-6Y
refrigerante refrigerant		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
ventilatori fans	n°x Ø (mm)	2x450	2x450	2x450	4x450	4x450	4x450
modello model	ph/p	1ph-6P	1ph-6P	1ph-6P	1ph-6P	1ph-6P	1ph-6P
assorbim. ventole (cad) fan absorption (each)	W	115	115	115	115	115	115
portata aria airflow	m ³ /h	7800	7800	7300	15600	15600	14600
liv. pressione sonora sound pressure level	dB (A) **	37	38	38	40	42	43

TUBAZIONI - PIPES

aspirazione aspiration	D mm	28	28	28	35	35	35
liquido liquid	D mm	12	12	12	16	16	16
ricevitore liquido liquid receiver	lt	10	15	15	21	21	21

PESO UNITÀ - UNIT WEIGHT

massa mass	kg	181	227	230	433	435	450
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* 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
Data available on videocatalogue with free access at website: www.technoblock.com**TABELLA DI SELEZIONE SELECTION TABLE**

		UVNBT4046	UVNBT4060	UVNBT4070	UVNBT5100	UVNBT5120	UVNBT5150
To °C	Ta °C	Qo (W)	Qo (W)	Qo (W)	Qo (W)	Qo (W)	Qo (W)
-10	32	9020	11336	13490	19548	23070	27213
	40	7674	9612	11486	16766	19789	23331
-15	32	7543	9474	11342	16398	19247	22836
	40	6398	8013	9632	14058	16522	19568

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		UVKBT4100	UVKBT4120	UVKBT4150	UVNDT4046	UVNDT4060	UVNDT4070
forma form		4	4	4	4	4	4
tensione voltage	V/ph/Hz	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	13.53	16.63	19.73	7.46	8.41	9.17
tipo di compressore compressor type		S	S	S	S	S	S
volume spostato displacement	m³/h 50 Hz	45.40	53.60	65.00	19.76	21.70	24.34
marca brand		Bitzer	Bitzer	Bitzer	Dorin	Dorin	Dorin
modello model		4EES-4Y+4FES-3Y	4DES-5Y+4EES-4Y	4CES-6Y+4DES-5Y	H220CC+H200CC	H250CC+H220CC	H280CC+H250CC
refrigerante refrigerant		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
ventilatori fans	n°x Ø (mm)	2x450	2x450	2x450	2x450	2x450	2x450
modello model	ph/p	1ph-6P	1ph-6P	1ph-6P	1ph-6P	1ph-6P	1ph-6P
assorbim. ventole (cad) fan absorption (each)	W	115	115	115	115	115	115
portata aria airflow	m³/h	7600	7300	7300	7800	7800	7300
liv. pressione sonora sound pressure level	dB (A) **	42	43	45	38	39	39

TUBAZIONI - PIPES

aspirazione aspiration	D mm	35	35	42	28	28	28
liquido liquid	D mm	12	12	16	12	12	12
ricevitore liquido liquid receiver	lt	10	15	15	10	15	15

PESO UNITÀ - UNIT WEIGHT

massa mass	kg	255	260	270	167	171	172
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* 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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TABELLA DI SELEZIONE SELECTION TABLE

		UVKBT4100	UVKBT4120	UVKBT4150			UVNDT4046	UVNDT4060	UVNDT4070
To °C	Ta °C	Qo (W)	Qo (W)	Qo (W)	To °C	Ta °C	Qo (W)	Qo (W)	Qo (W)
-30	32	8766	10903	12401	-10	32	9711	11288	12304
	40	7346	9183	10356		40	8220	9579	10462
-35	32	7049	8665	9912	-15	32	8180	9485	10339
	40	5972	7266	8239		40	6924	8044	8775

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		UVNDT5100	UVNDT5120	UVNDT5150	UVKDT4110	UVKDT4120	UVKDT4150
forma form		5	5	5	4	4	4
tensione voltage	V/ph/Hz	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	11.61	14.27	18.68	11.43	14.70	16.98
tipo di compressore compressor type		S	S	S	S	S	S
volume spostato displacement	m ³ /h 50 Hz	35.06	45.1	54.66	45.1	54.66	63.76
marca brand		Dorin	Dorin	Dorin	Dorin	Dorin	Dorin
modello model		H380CC+H300CC	H503CC+H380CC	H743CC+H503CC	H451CS+H380SB	H551CS+H451CS	H701CS+H551CS
refrigerante refrigerant		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
ventilatori fans	n°x Ø (mm)	4x450	4x450	4x450	2x450	2x450	2x450
modello model	ph/p	1ph-6P	1ph-6P	1ph-6P	1ph-6P	1ph-6P	1ph-6P
assorbim. ventole (cad) fan absorption (each)	W	115	115	115	115	115	115
portata aria airflow	m ³ /h	15600	15600	14600	7600	7300	7300
liv. pressione sonora sound pressure level	dB (A) **	40	42	42	42	43	44

TUBAZIONI - PIPES

aspirazione aspiration	D mm	35	35	35	35	35	42
liquido liquid	D mm	16	16	16	12	12	16
ricevitore liquido liquid receiver	lt	21	21	21	10	15	15

PESO UNITÀ - UNIT WEIGHT

massa mass	kg	370	435	445	275	277	285
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* 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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		UVNDT5100	UVNDT5120	UVNDT5150			UVKDT4110	UVKDT4120	UVKDT4150
To °C	Ta °C	Qo (W)	Qo (W)	Qo (W)	To °C	Ta °C	Qo (W)	Qo (W)	Qo (W)
-10	32	17754	22619	27120	-30	32	8838	10457	12041
	40	15172	19506	23299		40	7372	8669	9983
-15	32	14864	18960	22876	-35	32	7052	8191	9464
	40	12687	16330	19644		40	5859	6712	7684

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		UVNBI3060	UVNBI3075	UVNBI5090	UVNBI5100	UVNBI5150
forma form		3	3	5	5	5
tensione voltage	V/ph/Hz	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50
max potenza assorbita max absorbed power	kW					
tipo di compressore compressor type		S	S	S	S	S
volume spostato displacement	m³/h 50 Hz	13.42	18.05	22.72	26.84	32.48
marca brand		Bitzer	Bitzer	Bitzer	Bitzer	Bitzer
modello model		2DC3.F1Y	4FC5.F1Y	4EC6.F1Y	4DC7.F3Y	4CC9.F3Y
refrigerante refrigerant		R404A*	R404A*	R404A*	R404A*	R404A*

CONDENSATORE - CONDENSER

passo alette fin spacing	mm	2.1	2.1	2.1	2.1	2.1
ventilatori fans	n°x Ø (mm)	2x450	2x450	4x450	4x450	4x450
modello model	ph/p	1ph-6P	1ph-6P	1ph-6P	1ph-6P	1ph-6P
assorbim. ventole (cad) fan absorption (each)	W	115	115	115	115	115
portata aria airflow	m³/h	7600	7300	15600	15600	14600
liv. pressione sonora sound pressure level	dB (A) **	37	37	40	41	42

TUBAZIONI - PIPES

aspirazione aspiration	D mm	28	28	35	35	35
liquido liquid	D mm	12	12	16	16	16
ricevitore liquido liquid receiver	lt	15	15	21	21	21

PESO UNITÀ - UNIT WEIGHT

massa mass	kg	193	208	361	361	361
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* 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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TABELLA DI SELEZIONE SELECTION TABLE

		UVNBI3060	UVNBI3075	UVNBI5090	UVNBI5100	UVNBI5150
To °C	Ta °C	Qo (W)	Qo (W)	Qo (W)	Qo (W)	Qo (W)
-10	32	10672	13552	18792	21224	26133
	40	9027	11389	16036	17985	22367
-15	32	8887	11393	14693	17871	22098
	40	7490	9554	11875	15118	18910

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		UVKBI2035	UVKBI2040	UVKBI4065	UVKBI4075	UVKBI4100
forma form		2	2	4	4	4
tensione voltage	V/ph/Hz	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50
max potenza assorbita max absorbed power	kW					
tipo di compressore compressor type		S	S	S	S	S
volume spostato displacement	m ³ /h 50 Hz	13.42	18.05	22.72	26.84	32.48
marca brand		Bitzer	Bitzer	Bitzer	Bitzer	Bitzer
modello model		2DC3.F1Y	4FC5.F1Y	4EC6.F1Y	4DC7.F3Y	4CC9.F3Y
refrigerante refrigerant		R404A*	R404A*	R404A*	R404A*	R404A*

CONDENSATORE - CONDENSER

passo alette fin spacing	mm	2.1	2.1	2.1	2.1	2.1
ventilatori fans	n°x Ø (mm)	1x450	1x450	2x450	2x450	2x450
modello model	ph/p	1ph-6P	1ph-6P	1ph-6P	1ph-6P	1ph-6P
assorbim. ventole (cad) fan absorption (each)	W	115	115	115	115	450
portata aria airflow	m ³ /h	3900	3300	7300	7300	7300
liv. pressione sonora sound pressure level	dB (A) **	37	37	40	41	42

TUBAZIONI - PIPES

aspirazione aspiration	D mm	28	28	35	35	35
liquido liquid	D mm	10	12	12	12	12
ricevitore liquido liquid receiver	lt	5.7	5.7	10	10	10

PESO UNITÀ - UNIT WEIGHT

massa mass	kg	127	173	205	205	205
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* 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

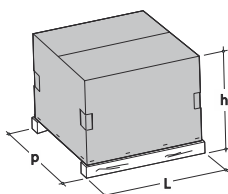
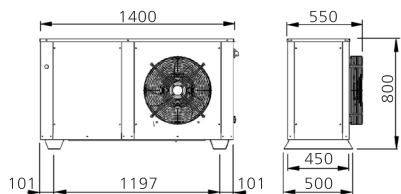
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		UVKBI2035	UVKBI2040	UVKBI4065	UVKBI4075	UVKBI4100
To °C	Ta °C	Qo (W)	Qo (W)	Qo (W)	Qo (W)	Qo (W)
-30	32	4082	5631	7296	8699	10454
	40	3338	4628	5988	7162	8678
-35	32	3199	4427	5681	6727	8251
	40	2578	3593	4595	5457	6744

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 2** *Form 2 Dimensions*

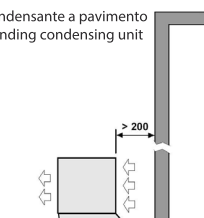


imballo
packing

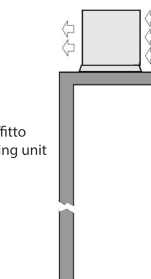
P	790
L	1640
H	1040
Kg	30
Vol.	1,35

montaggio *mounting*

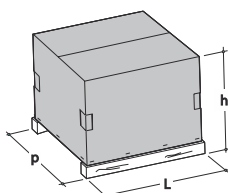
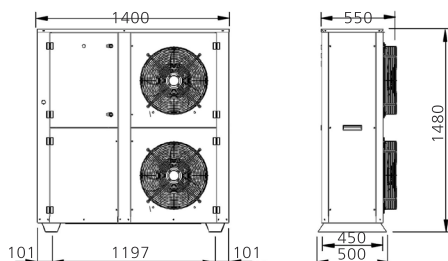
- Unità condensante a pavimento
- Floor standing condensing unit



- Unità condensante a soffitto
- Roof-mounted condensing unit



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

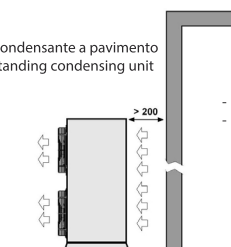


imballo
packing

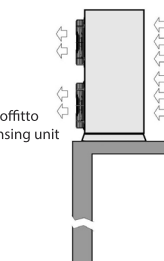
P	850
L	1640
H	1740
Kg	42
Vol.	2,42

montaggio *mounting*

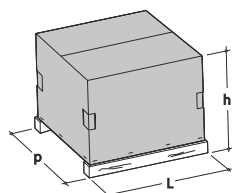
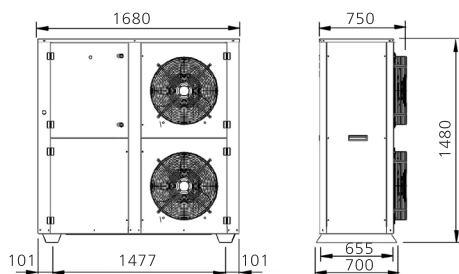
- Unità condensante a pavimento
- Floor standing condensing unit



- Unità condensante a soffitto
- Roof-mounted condensing unit



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

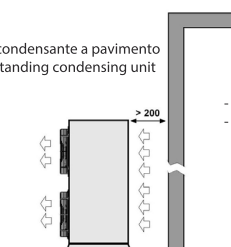


imballo
packing

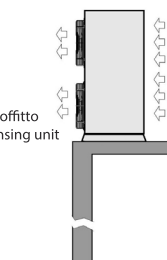
P	1000
L	1880
H	1740
Kg	57
Vol.	3,27

montaggio *mounting*

- Unità condensante a pavimento
- Floor standing condensing unit

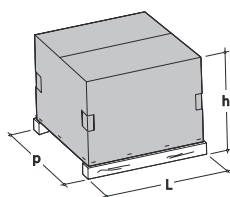
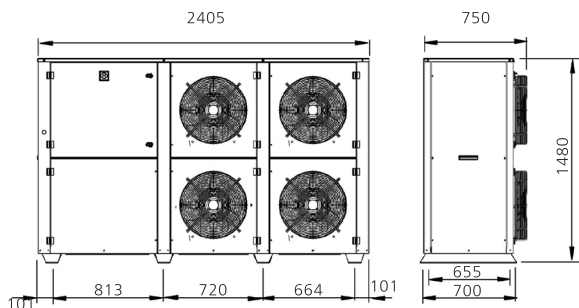


- Unità condensante a soffitto
- Roof-mounted condensing unit





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

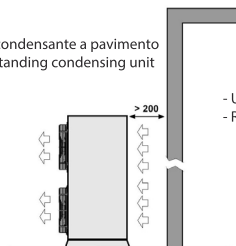


imballo packing

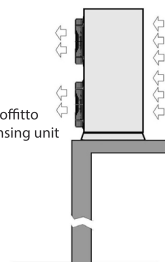
P	1000
L	2600
H	1740
Kg	80
Vol.	4,52

montaggio *mounting*

- Unità condensante a pavimento
- Floor standing condensing unit



- Unità condensante a soffitto
- Roof-mounted condensing unit



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Il team TECHNOBLOCK progetta e produce da anni soluzioni per la refrigerazione industriale. Partendo da un piccolo staff di persone l'azienda oggi può contare su una rete di vendita dislocata in tutto il mondo. Il brand Technoblock infatti è conosciuto ovunque grazie alla varietà e flessibilità dei prodotti offerti. Si tratta sia di soluzioni già pronte a catalogo sia soluzioni create su misura per soddisfare in pieno le richieste del cliente.

Technoblock presenta la sua gamma di unità refrigeranti

Varietà nei tipi di applicazione.

Vasta scelta di modelli per ogni serie.

Qualità dei materiali usati.

Cura nella costruzione e nel collaudo.

Particolare attenzione allo sviluppo di nuove tecniche, all'impiego di nuovi materiali, secondo normativa europea.

Questo fa sì che il prodotto sia affidabile, sicuro e, soprattutto, sia la giusta soluzione per ogni vostra richiesta.

Facile trovare l'unità che fa al caso vostro avendo a disposizione questa scelta:

Applicazione a parete (tampone e accavallato), a soffitto, split e bi-block.

Compressore ermetico o semiermetico, a vite, scroll.

Condensazione ad aria o ad acqua.

Espansione del gas mediante tubo capillare o valvola termostatica.

Controllo di tipo elettromeccanico o elettronico, a bordo macchina o su pannello remoto.

Sbrinamento ad aria, a gas caldo, elettrico con resistenze.

Evacuazione dell'acqua di condensa mediante bacinella di evaporazione o diretta.

Le nostre unità sono costruite con strutture in lamiera d'acciaio protetta contro la corrosione e verniciata a polvere epossidica o in lamiera d'acciaio plastificata. Esse danno il massimo rendimento grazie alle batterie alettate dei condensatori e degli evaporatori realizzate in rame ed alluminio ed aventi una superficie di scambio termico scrupolosamente dimensionata; sono inoltre dotate di compressori e ventilatori con protezioni termiche interne.



Since years, Technoblock team projects and produces industrial refrigerating systems. Started with a small group of people, today Technoblock can count on a worldwide sales network. The Technoblock brand is known all over the world thanks to the variety and flexible range of products. Our solutions can be both hand-listed and custom-made, to fully meet our customers requests.

Technoblock presents its range of refrigerating units

Variety of applications.

Wide choice of models for each series.

Use of high quality materials and components.

Attention to manufacturing and testing.

Special care to the development of new technical solutions, to the use of new materials, as well as to the compliance with European standards.

This makes our products reliable, safe and, above all, the right solution to all your requirements.

It will be extremely easy for you to find the best solution that will suit you best having all these available options:

Wall-mounted (either through-the-wall or straddle-type), roof-mounted, split type or bi-block units.

Hermetic or semi-hermetic compressor, screw compressor or scroll compressor.

Air-cooled or water-cooled condenser.

Gas expansion by means of capillary tube or thermal expansion valve.

Electromechanical or electronic control, either built-in or on a remote control panel.

Defrost system by air, hot gas or electric heaters.

Direct drainage of condensate or self water evaporation in a specific tray.

Our units are built with a frame made either of epoxy powder painted steel sheet protected against corrosion or plastic-coated steel sheet. The high efficiency of our units is due to the carefully sized heat exchange surface of their finned copper/aluminium condenser and evaporator coils.

They are also provided with compressors and fan motors with internal thermal protections.



OFERTA FIRMY 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 wielosprężarkowe
dla małego i przemysłowego chłodnictwa



TAKU



Agregaty wody lodowej
Chillery



ALIZÈ



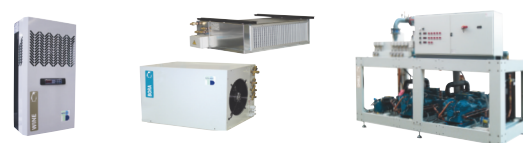
Chłodnice i skraplacze



GHIBLI



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





technoblock



NORTE UV Units

*Colder
than ever*

MONOBLOKI CHŁODNICZE TECHNOBLOCK



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