



technoblock



NORTE TH-D Units

Colder than ever



Agregaty skraplające, wyciszone, dla zastosowań komercyjnych i przemysłowych.



NORTE TH-D Units

Agregaty skraplające z jedną sprężarką, odpowiednie do zastosowań komercyjnych oraz przemysłowych. Wyjątkowo elastyczne, mogą być połączone 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.

Condensing units 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.



NIVIS
CHŁODNICTWO



codice code		THND3210	THND3300	THND3450	THND3600	THND3750	THND3900	THND31050	THND31200
forma form		4	4	4	5	5	6	7	7
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	400/3/50
max potenza assorbita max absorbed power	kW	33.07	38.71	52.21	63.33	78.39	92.54	124.21	138.10
tipo di compressore compressor type		S	S	S	S	S	S	S	S
volume spostato displacement	m ³ /h 50 Hz	95.64	128.43	146.46	170.61	227.49	255.03	341.22	382.56
marca brand		Donin	Donin	Donin	Donin	Donin	Donin	Donin	Donin
modello model		3xH751CC	3xH1002CC	3xH1501CC	3xH2001CC	3xH2500CC	3xH3000CC	3xH3500CC	3xH4000CC
refrigerante refrigerant		R404A*	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	2.1
ventilatori fans	n°x Ø (mm)	2x800	2x800	2x800	3x800	3x800	4x800	5x800	5x800
modello model	ph/p	1ph-6P	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	1940
portata aria airflow	m ³ /h	43400	41000	41000	65000	61400	79000	98500	98500
liv. pressione sonora sound pressure level	dB (A) **	50	51	51	53	53	54	56	56

TUBAZIONI - PIPES

aspirazione aspiration	D mm	54	54	64	64	76	76	2x64	2x64
liquido liquid	D mm	22	22	28	28	28	28	35	42
ricevitore liquido liquid receiver	lt	2x21	60	60	80	80	125	150	150

* 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

		THND3210	THND3300	THND3450	THND3600	THND3750	THND3900	THND31050	THND31200
To °C	Ta °C	Qo (W)	Qo (W)	Qo (W)	Qo (W)	Qo (W)	Qo (W)	Qo (W)	Qo (W)
-10	32	48928	56531	73700	89699	110584	125097	164858	180542
	40	41920	48389	62970	77156	94803	107107	141709	155167
-15	32	40325	46819	62109	75239	92518	104281	137947	151758
	40	34476	39990	53034	64607	79240	89121	118397	130299

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		THKD3210	THKD3220	THKD3300	THKD3450	THKD3600	THKD3750	THKD3900	THKD31050	THKD31350
forma form		3	3	3	3	4	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	400/3/50	400/3/50
max potenza assorbita max absorbed power	kW	26.25	29.88	43.80	50.70	70.57	80.94	107	113.54	137.48
tipo di compressore compressor type		S	S	S	S	S	S	S	S	S
volume spostato displacement	m³/h 50 Hz	95.64	114.18	146.46	170.85	227.79	255.03	341.22	382.56	460.56
marca brand		Dorin	Dorin	Dorin	Dorin	Dorin	Dorin	Dorin	Dorin	Dorin
modello model		3xH701CS	3xH751CS	3xH1001CS	3xH1501CS	3xH2000CS	3xH2500CS	3xH3000CS	3xH3500CS	3xH4500CS
refrigerante refrigerant		R404A*	R404A*	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	2.1	
ventilatori fans	n°x Ø (mm)	3x630	3x630	3x630	3x630	2x800	3x800	4x800	4x800	4x800
modello model	ph/p	1ph-6P	1ph-6P	1ph-6P	1ph-6P	1ph-6P	1ph-6P	1ph-6P	1ph-6P	1ph-6P
assorbim. ventole (cad) fan absorption (each)	W	600	600	600	600	1940	1940	1940	1940	1940
portata aria airflow	m³/h	25400	25400	25400	25400	41000	65000	83500	83500	79000
liv. pressione sonora sound pressure level	dB(A) **	49	49	50	51	52	53	56	56	56

TUBAZIONI - PIPES

aspirazione aspiration	D mm	54	54	64	64	76	76	2x64	2x64	2x76
liquido liquid	D mm	16	18	18	18	22	22	28	28	28
ricevitore liquido liquid receiver	lt	21	21	2x21	2x21	2x21	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

** 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

		THKD3210	THKD3220	THKD3300	THKD3450	THKD3600	THKD3750	THKD3900	THKD31050	THKD31350
To °C	Ta °C	Qo (W)	Qo (W)	Qo (W)	Qo (W)	Qo (W)	Qo (W)	Qo (W)	Qo (W)	Qo (W)
-30	32	21411	23723	31863	35942	46091	52564	69751	75242	92721
	40	17988	20088	26707	30186	38813	44340	58307	62813	78652
-35	32	16576	18169	24900	28193	35359	40054	53680	57924	72372
	40	13618	15220	20600	23384	29364	33370	44025	47566	60738

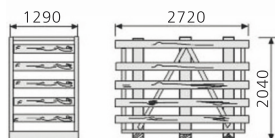
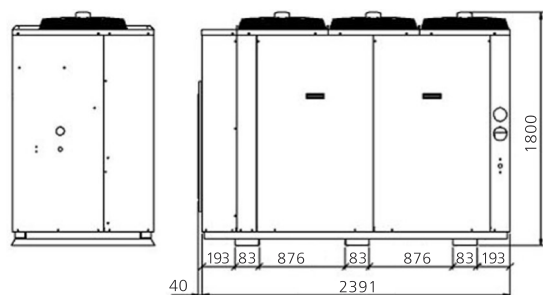
Legenda Legend

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*

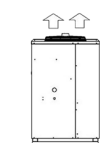


imballo *packing*

MASSA - MASS
153 Kg
VOLUME - VOLUME
7,5 m³

montaggio *mounting*

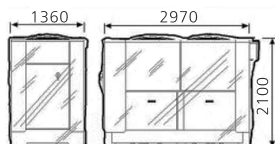
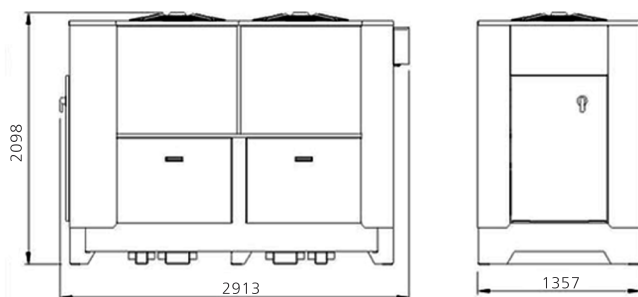
- Unità condensante a pavimento
- Floor standing condensing unit



- Unità condensante a soffitto
- Roof-mounted condensing unit



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

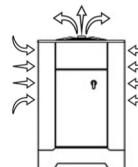


imballo *packing*

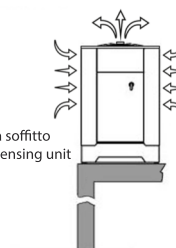
VOLUME - VOLUME
8,0 m³

montaggio *mounting*

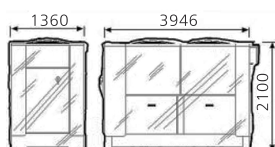
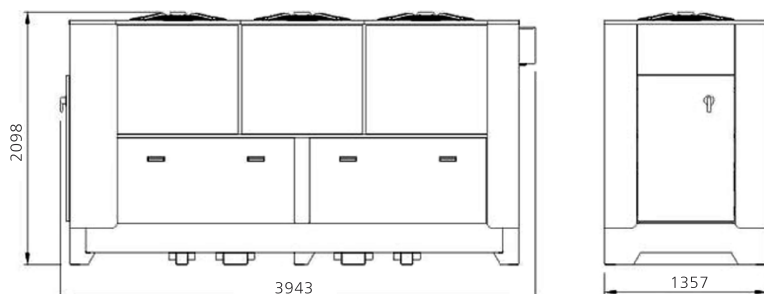
- Unità condensante a pavimento
- Floor standing condensing unit



- Unità condensante a soffitto
- Roof-mounted condensing unit



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

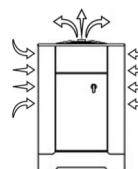


imballo *packing*

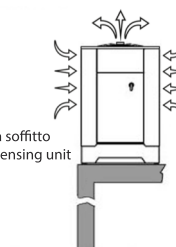
VOLUME - VOLUME
11,26 m³

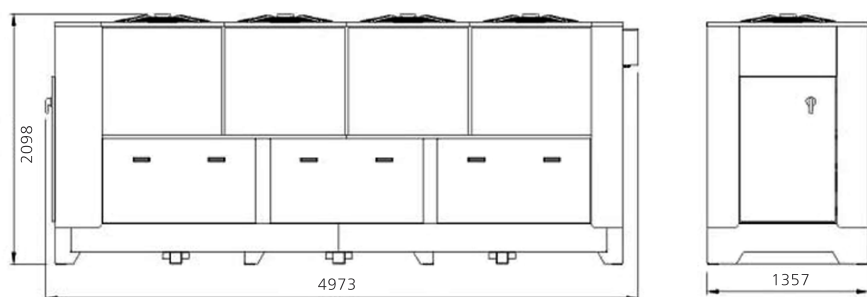
montaggio *mounting*

- Unità condensante a pavimento
- Floor standing condensing unit

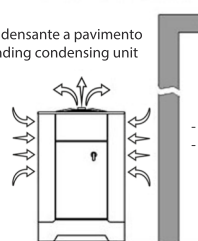


- Unità condensante a soffitto
- Roof-mounted condensing unit

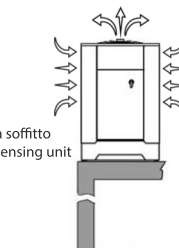
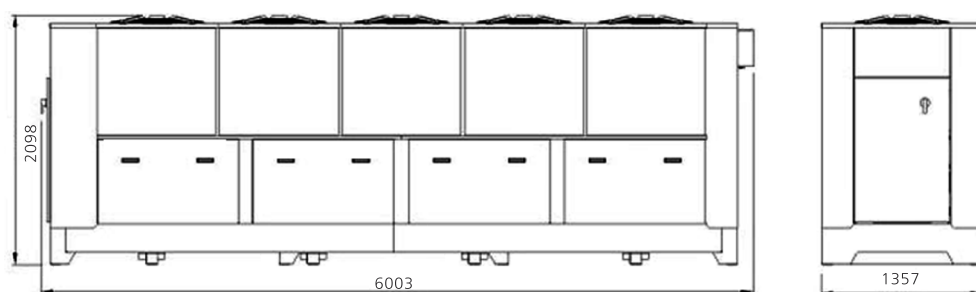


Dimensioni **Forma 6** *Form 6 Dimensions*montaggio *mounting*imballo *packing*

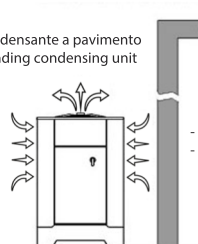
- Unità condensante a pavimento
- Floor standing condensing unit



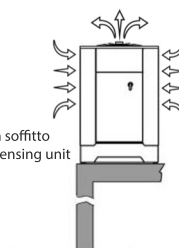
- Unità condensante a soffitto
- Roof-mounted condensing unit

Dimensioni **Forma 7** *Form 7 Dimensions*montaggio *mounting*imballo *packing*

- Unità condensante a pavimento
- Floor standing condensing unit



- Unità condensante a soffitto
- Roof-mounted condensing unit



Descrizioni, dati tecnici e immagini sono da considerarsi indicativi e non vincolanti. Technoblock srl pubblica il presente documento su base tecnica e commerciale, riservandosi il diritto di modificarne il contenuto senza preavviso, lasciandone inalterati i contenuti basilari.

©Copyright Technoblock srl Tutti i diritti sono riservati

È vietata qualsiasi utilizzazione, totale o parziale, dei contenuti inseriti nel presente documento, ivi inclusa la memorizzazione, riproduzione, rielaborazione, diffusione o distribuzione dei contenuti stessi mediante qualunque piattaforma tecnologica, supporto o rete telematica, senza previa autorizzazione scritta di Technoblock srl

Descriptions, technical data and pictures are to be considered as a guide and not binding. Technoblock srl reserves the right to bring such a literature, on technical and commercial grounds, at any time and without notice, any change supposed to be convenient, still being unchanged the basic features of the equipments.

©Copyright Technoblock srl All rights reserved

No part of these pages, either text or image may be used for any purpose other than personal use. Therefore, reproduction, modification, storage in a retrieval system or retransmission, in any form or by any means, electronic, mechanical or otherwise, for reasons other than personal use, is strictly prohibited without prior written permission by Technoblock srl



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.



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 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 TH-D Units

*Colder
than ever*

MONOBLOKI CHŁODNICZE TECHNOBLOCK



PED Certification
Bureau Veritas Italia SpA
n° 1370



member of



www.nivis.com.pl

NIVIS

ul. Janusza Kusocińskiego 4
58-100 Świdnica, dolnośląskie

📍 Biuro i Magazyn Budynek A
ul. Międzyzłeska 4 50-514 Wrocław

✉ kontakt@nivis.com.pl
☎ +48 888 438 422



TECHNOBLOCK SRL

S.S. CISA - KM162 36/A 46029 SUZZARA (MN) ITALY

TEL. +39 0376 537011 FAX. +39 0376 537110

WWW.TECHNOBLOCK.COM TECHNOBLOCK@TECHNOBLOCK.IT

ODEP226 February 2017