



technoblock



NORTE TH-E Units

Colder than ever



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



NORTE TH-E Units

Agregaty skraplające z pojedynczą 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.

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		THNE3100	THNE3120	THNE3150	THNE3180	THNE3210	THNE3240	THNE3270
forma form		2	2	2	3	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	400/3/50
max potenza assorbita max absorbed power	kW	13.29	15.03	18.42	21.27	27.07	29.89	33.16
tipo di compressore compressor type		E	E	E	E	E	E	E
volume spostato displacement	m ³ /h 50 Hz	30.0	35.4	43.5	51.6	59.4	66.3	74.7
marca brand		Copeland	Copeland	Copeland	Copeland	Copeland	Copeland	Copeland
modello model		3x ZB26	3x ZB30	3x ZB38	3x ZB45	3x ZB50	3x ZB58	3x ZB66
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)	2x630	2x630	2x630	3x630	2x800	2x800	2x800
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	600	600	600	1940	1940	1940
portata aria airflow	m ³ /h	20800	20100	20100	25400	45000	43400	43400
liv. pressione sonora sound pressure level	dB (A) **	45	45	46	47	50	51	51

TUBAZIONI - PIPES

aspirazione aspiration	D mm	35	35	42	42	42	42	54
liquido liquid	D mm	16	18	18	18	22	22	22
ricevitore liquido liquid receiver	lt	21	21	2x21	2x21	2x21	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

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

		THNE3100	THNE3120	THNE3150	THNE3180	THNE3210	THNE3240	THNE3270
To °C	Ta °C	Qo (W)	Qo (W)	Qo (W)	Qo (W)	Qo (W)	Qo (W)	Qo (W)
-10	32	18650	21463	26767	32414	39096	43000	47855
	40	16188	18472	23152	28180	33689	37213	41587
-15	32	15675	18030	22516	27190	32179	35670	40155
	40	13590	15482	19452	23636	27187	30539	34912

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		THNE3300	THNE3390	THNE3450	THNE4400	THNE4520	THNE4600
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	37.93	48.13	56.08	51.22	64.82	75.42
tipo di compressore compressor type		E	E	E	E	E	E
volume spostato displacement	m³/h 50 Hz	86.4	109.2	129.9	115.2	145.6	173.2
marca brand		Copeland	Copeland	Copeland	Copeland	Copeland	Copeland
modello model		3 x ZB76	3 x ZB95	3 x ZB114	4 x ZB76	4 x ZB95	4 x ZB114
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)	2x800	2x800	2x800	3x800	3x800	3x800
modello model	ph/p	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
portata aria airflow	m³/h	41000	41000	41000	65000	61400	61400
liv. pressione sonora sound pressure level	dB (A) **	51	52	55	53	53	56

TUBAZIONI - PIPES

aspirazione suction	D mm	54	54	64	54	64	76
liquido liquid	D mm	22	28	28	28	28	28
ricevitore liquido liquid receiver	lt	2x21	2x21	2x21	2x21	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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TABELLA DI SELEZIONE SELECTION TABLE

		THNE3300	THNE3390	THNE3450	THNE4400	THNE4520	THNE4600
To °C	Ta °C	Qo (W)	Qo (W)	Qo (W)	Qo (W)	Qo (W)	Qo (W)
-10	32	55177	66068	75118	75014	88219	103301
	40	47780	55934	62657	65244	74712	86840
-15	32	46442	55278	62620	62989	73778	85959
	40	40086	46228	51569	54595	61702	71413

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		THKE3180	THKE3220	THKE3300	THKE3390	THKE3450	THKE4400	TTHKE4520	THKE4600
forma form		2	3	3	3	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	400/3/50	400/3/50
max potenza assorbita max absorbed power	kW	20.37	22.08	29.10	35.40	43.63	40.28	48.68	56.88
tipo di compressore compressor type		E	E	E	E	E	E	E	E
volume spostato displacement	m ³ /h 50 Hz	51.6	65.4	89.4	106.8	126.3	89.4	106.8	168.4
marca brand		Copeland	Copeland	Copeland	Copeland	Copeland	Copeland	Copeland	Copeland
modello model		3 x ZF18	3 x ZF25	3 x ZF34	3 x ZF41	3 x ZF49	4 x ZF34	4 x ZF41	4 x ZF49
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)	2x630	3x630	3x630	3x630	2x800	2x800	2x800	2x800
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	600	600	600	600	1940	1940	1940	1940
portata aria airflow	m ³ /h	20800	25400	25400	25400	43400	65000	65000	61400
liv. pressione sonora sound pressure level	dB (A) **	50	53	52	52	56	54	55	57

TUBAZIONI - PIPES

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

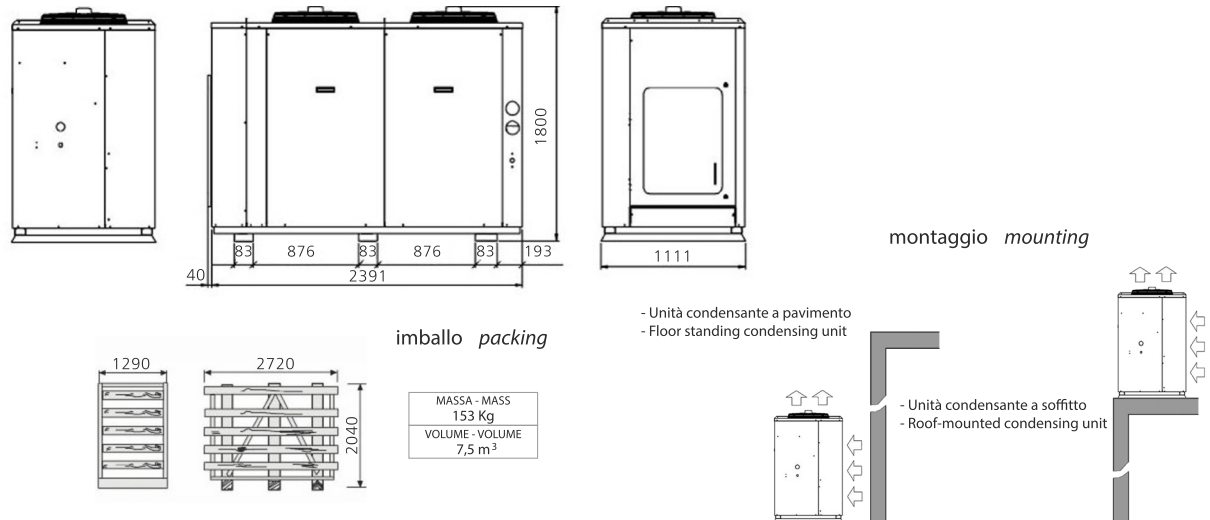
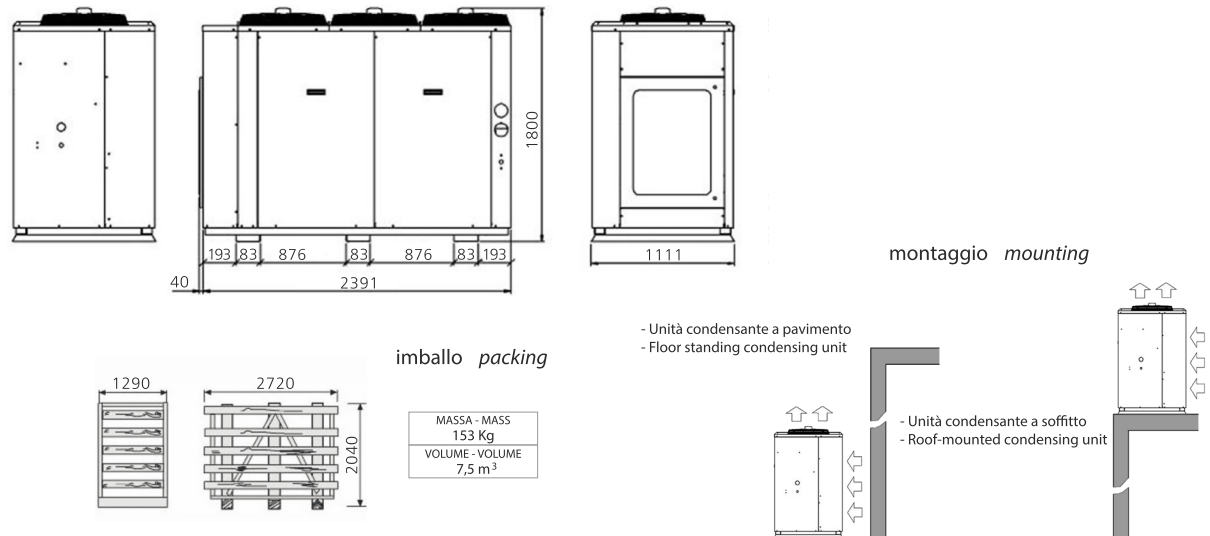
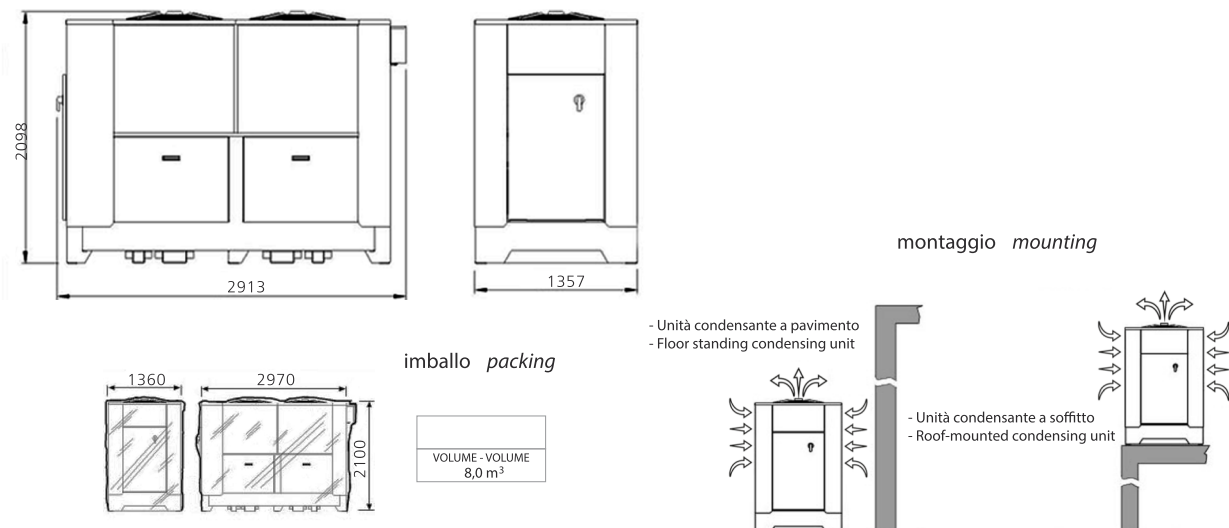
*** medium sound pressure level Lp with direction factor Q=4 for condensing unit running in free field at 10 meter of distance

** with residential soundproofing

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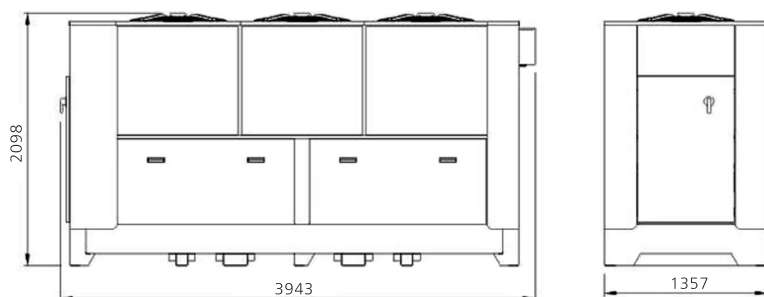
		THKE3180	THKE3220	THKE3300	THKE3390	THKE3450	THKE4400	THKE4520	THKE4600
To °C	Ta °C	Qo (W)	Qo (W)	Qo (W)	Qo (W)	Qo (W)	Qo (W)	Qo (W)	Qo (W)
-30	32	15315	19507	25333	30599	37324	34986	42671	50477
	40	13457	17381	22378	26924	32830	31084	37854	44522
-35	32	12524	15784	20514	25047	30407	28173	34652	41043
	40	11049	14037	18149	22149	26816	25044	30852	36284

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)

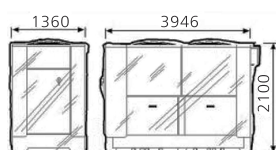
Dimensioni **Forma 2** *Form 2 Dimensions*

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

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




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



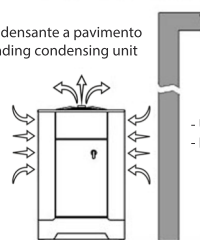
montaggio *mounting*



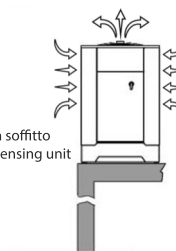
imballo *packing*

VOLUME - VOLUME
11,26 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





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*Colder
than
ever*

MONOBLOKI CHŁODNICZE TECHNOBLOCK



PED Certification
Bureau Veritas Italia SpA
n° 1370



member of



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ODEP226 February 2017