

FRIGA-BOHN®

NW

Unit cooler for blast freezing and
rapid cooling tunnel
Industrial range

CO2 40bar

CO2 50bar

WG

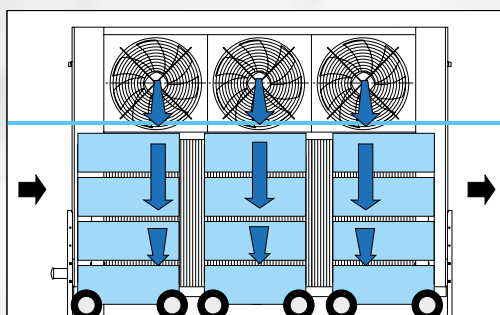
HFC



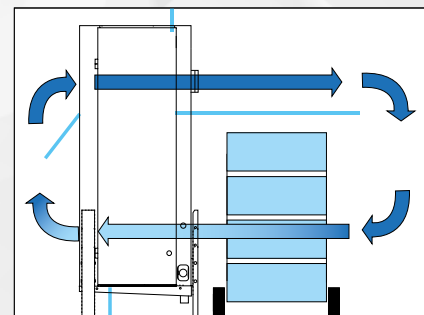
3.5 - 66 kW



- # The NW is an asset for ensuring **fast, even freezing** of foodstuffs.
- # The design of the product and the selection of its components allow for **easy installation** and **maintenance**.



THE PRINCIPLE
OF A BLAST
FREEZING AND
RAPID COOLING
TUNNEL



1 CASING

- # Pre-painted galvanized steel for corrosion and impact resistance.
- # Limited condensation: presence of an aluminium interior drain pan under the main drain pan.

OPTIONS

ECB

Wooden crate packaging.

3 COILS

- # Aluminium fins with 6.35, 9 or 12 mm spacing.
- # Combined with copper tubes, the coils are very efficient and compact.
- # Versions available:
 - Multi-refrigerant HFCs.
 - CO2 (40 and 50 bar).
 - WCO (glycol water, coolant).

[CONTACT US](#)

2 VENTILATION

There are two types of motor fans on the NW range:

Axial fans

- # A models, externally mounted, equipped with protective grilles.
- # Three-phase external rotor motors, 400 V, 50 Hz, IP54, class F, 4P (1,500 rpm), internal thermal protection.
- # Air pressure available up to 100 Pa.

Centrifugal motor fans

- # C models, double inlet direct drive.
- # Three-phase motors protected by an enclosed casing, 230/400 V, 50 Hz, IP54, class F, 4P (1,000 rpm), internal thermal protection.
- # Air pressure available up to 200 Pa.

OPTIONS

CMU

Factory motor wiring.

4 DEFROST

OPTIONS

DAE

Water defrost (spraying).

E1U

Light electric defrost.

ECU

Additional electric coil defrost.

ECK

Additional electric coil defrost.

HGT

Hot gases (coil and drain pan).

RVU

Shell defrost heaters.

RVK

Shell defrost heaters.

[KIT TO INSTALL](#)

[KIT TO INSTALL](#)



INSTALLATION | MAINTENANCE

- # Installed against a wall, it allows maximum charging of the cold room.
- # Height-adjustable support feet promote even air distribution over the products.
- # Floor mounting for easy installation and maintenance.
- # Two possible blowing positions: horizontal (H2) and vertical (H4) for centrifugal pressure only.
- # Easy maintenance: easily removable aluminium main drain pan, hinged side panels for quick access to electrical and refrigeration connections.

NW 12^(A) A1^(B) R^(C) 100Pa^(D)

(A) Model

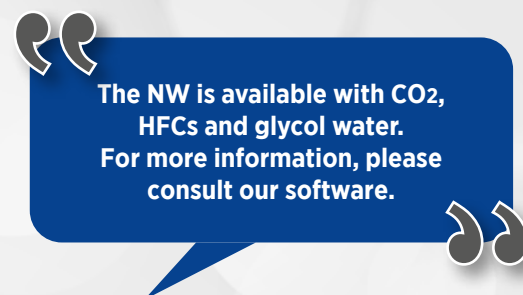
(B) **A** = Axial fan - **C** = Centrifugal fan / **1** = Number

(D) Fin spacing: **R** = 6.35 mm (positive) **C** = 6.35 mm (negative)

L = 9 mm (positive) **S** = 9 mm (negative)

M = 12 mm (positive) **T** = 12 mm (negative)

(D) Available pressure



CONDITIONS	REFRIGERANTS	NW ... R
0 Pa (1)	CO ₂ - 50 bar (3)	kW
	SC2 (2)	kW
	R449A	kW
	R404A	kW
Airflow		m ³ /h
Air throw (4)		m

CONDITIONS	REFRIGERANTS	NW ... R
100 Pa (1)	CO ₂ - 50 bar (3)	kW
	SC2 (2)	kW
	R449A	kW
	R404A	kW
Airflow		m ³ /h
Air throw (4)		m

Surface area		m ²
Circuit volume		dm ³
Fan	Ø 560 mm	Nb
1,500 rpm	400 V/3/50 Hz	W max
		A max
Acoustics	Lp 4m (5)	dB(A)
	Lw	dB(A)
Electric defrost standard	Coil + drain pan	Nb
	230-400 V/3/50 Hz	W Total
		A Total
Connections HFCs	Inlet	Ø
	Outlet	Ø
Net weight		kg

NW ... R - Axial fans

6.35 mm

12 A1	14 A1	25 A2	30 A2	45 A3	60 A4
12,8	14,7	25,2	29,6	44,6	59,5
13,4	16,1	27,4	32,7	49,5	66,2
13,2	15,5	26,8	31,5	47,4	63,4
7920	7590	15840	15190	22780	30380
19	18	22	21	26	30

12 A1	14 A1	25 A2	30 A2	45 A3	60 A4
11,0	12,3	21,7	24,7	37,2	49,7
11,7	13,8	23,9	28,0	42,2	56,3
11,4	13,1	23,2	26,6	40,1	53,4
6000	5640	12000	11290	16940	22580
15	14	17	16	20	23

12 A1	14 A1	25 A2	30 A2	45 A3	60 A4
44,7	59,6	89,4	119,1	178,7	238,3
12,6	16,8	25,1	33,5	50,3	67,0
1	1	2	2	3	4
1200	1200	2400	2400	3600	4800
2,4	2,4	4,8	4,8	7,2	9,6
52	52	55	55	57	58
82	82	85	85	87	88
4+2	7+2	4+2	7+2	7+2	7+2
3900	5850	6600	9900	14400	22500
9.8/5.6	14.7/8.4	16.6/9.5	24.9/14.3	36.1/20.8	56.5/32.5
5/8"	5/8"	7/8"	7/8"	1"1/8	1"3/8
1"3/8	1"3/8	1"5/8	1"5/8	2"1/8	2"1/8
180	195	280	305	420	530

CONDITIONS	REFRIGERANTS	NW ... R
200 Pa (1)	CO ₂ - 50 bar (3)	kW
	SC2 (2)	kW
	R449A	kW
	R404A	kW
Airflow		m ³ /h
Air throw (4)		m

Surface area		m ²
Circuit volume		dm ³
Turbine	12/12	Nb
1,000 rpm	230-400 V/3/50 Hz	W max
		A max
Acoustics	Lp 4m (5)	dB(A)
	Lw	dB(A)
Electric defrost	Coil + drain pan	Nb
EIU (6)	230-400 V/3/50 Hz	W Total
		A Total
Connections HFCs	Inlet	Ø
	Outlet	Ø
Net weight		kg

NW ... R - Centrifugal

6.35 mm

12 C1	14 C1	24 C2	28 C2	43 C3	58 C4
10,7	12,3	21,3	24,8	33,8	47,1
12,0	14,6	24,8	29,5	44,4	59,4
11,6	13,8	23,9	28,0	42,2	56,4
5770	5770	11880	11540	17300	23070
18	18	22	21	25	28

12 C1	14 C1	24 C2	28 C2	43 C3	58 C4
44,7	59,6	89,4	119,1	178,7	238,3
12,6	16,8	25,1	33,5	50,3	67,0
1	1	2	2	3	4
1300	1300	2600	2600	3900	5200
3,4	3,4	3,4	3,4	3,4	3,4
51	52	55	55	56	58
81	82	85	85	86	88
4+2	7+2	4+2	7+2	7+2	7+2
3900	5850	6600	9900	14400	22500
9.8/5.6	14.7/8.4	16.6/9.5	24.9/14.3	36.1/20.8	56.5/32.5
5/8"	5/8"	7/8"	7/8"	1"1/8	1"3/8
1"1/8	1"3/8	1"5/8	1"5/8	2"1/8	2"1/8
180	195	280	305	420	530

NW 12^(A) A1^(B) C^(C) 100Pa^(D)

(A) Model

(B) **A** = Axial fan - **C** = Centrifugal fan / **1** = Number(D) Fin spacing: **R** = 6.35 mm (positive) **C** = 6.35 mm (negative)**L** = 9 mm (positive) **S** = 9 mm (negative)**M** = 12 mm (positive) **T** = 12 mm (negative)

(D) Available pressure

The NW is available with CO₂,
HFCs and glycol water.
For more information, please
consult our software.

CONDITIONS	REFRIGERANTS	NW ... C
SC3 (2)	CO₂ - 50 bar (3)	kW
	R449A	kW
	R404A	kW
SC4 (2)	CO₂ - 50 bar (3)	kW
	R449A	kW
	R404A	kW
Airflow		m³/h
Air throw (4)		m

CONDITIONS	REFRIGERANTS	NW ... C
SC3 (2)	CO₂ - 50 bar (3)	kW
	R449A	kW
	R404A	kW
SC4 (2)	CO₂ - 50 bar (3)	kW
	R449A	kW
	R404A	kW
Airflow		m³/h
Air throw (4)		m

Surface area		m²
Circuit volume		dm³
Fan	Ø 560 mm	Nb
1,500 rpm	400 V/3/50 Hz	W max
		A max
Acoustics	Lp 4m (5)	dB(A)
	Lw	dB(A)
Electric defrost	Coil + drain pan	Nb
EIU (6)	230-400 V/3/50 Hz	W Total
		A Total
Connections HFCs	Inlet	Ø
	Outlet	Ø
Net weight		kg

NW ... C - Axial fans

 **6.35 mm**

12 A1	14 A1	25 A2	29 A2	45 A3	60 A4
10,4	12,4	21,0	24,9	37,2	47,7
9,5	11,5	19,5	23,6	35,3	47,4
10,2	12,0	20,8	24,5	35,8	48,0
8,4	10,0	16,9	20,3	30,2	38,4
7,4	9,0	15,3	18,6	27,5	37,1
7,9	9,5	16,3	19,4	28,0	37,6
7920	7590	15840	15190	22780	30380
19	18	22	21	26	30

12 A1	14 A1	25 A2	29 A2	45 A3	60 A4
9,0	9,9	18,1	20,0	31,1	40,3
8,4	9,9	17,2	20,4	30,9	41,6
8,8	10,2	18,0	20,7	30,7	41,2
7,3	8,4	14,7	16,2	25,4	32,7
6,6	7,9	13,5	16,2	24,3	32,7
6,9	8,1	14,2	16,5	24,3	32,5
6000	5640	12000	11290	16940	22580
15	14	17	16	20	23

12 A1	14 A1	25 A2	29 A2	45 A3	60 A4
44,7	59,6	89,4	119,1	178,7	238,3
12,6	16,8	25,1	33,5	50,3	67,0
1	1	2	2	3	4
1200	1200	2400	2400	3600	4800
2,4	2,4	4,8	4,8	7,2	9,6
52	52	55	55	57	58
82	82	85	85	87	88
7+2	10+2	7+2	10+2	10+2	10+2
5850	7800	9900	13200	19200	30000
8.4	11.3	14.3	19.1	27.7	43.3
5/8"	7/8"	1 1/8"	1 1/8"	1 1/8"	1 3/8"
1 3/8"	1 5/8"	2 1/8"	2 1/8"	2 1/8"	2 5/8"
180	195	280	305	420	530

(1) Additional available air pressure in pascals.

(2) Standard conditions:

SC2 / 0 °C (air inlet temp.) / -8 °C (evaporating temp.) / DT1 = 8K

SC3 / -18 °C (air inlet temp.) / -25 °C (evaporating temp.) / DT1 = 7K

SC4 / -25 °C (air inlet temp.) / -31 °C (evaporating temp.) / DT1 = 6K

(3) Operating pressure - Specific coil - Connection diameters to be defined when ordering.

(4) Residual air speed: 0.25 m/s.

(5) Average sound pressure level in dB(A) calculated at 4 m, level with the blades, in a free field over a reflecting plane, given as an indication only.

(6) Electric defrost option.

(5) Average sound pressure level in dB(A) calculated at 4 m, level with the blades, in a free field over a reflecting plane, given as an indication only.

R404A is a refrigerant only available for non-EU markets (not compatible with F-Gas).

NW 12^(A) A1^(B) R^(C) 100Pa^(D)

(A) Model

(B) **A** = Axial fan - **C** = Centrifugal fan / **1** = Number

(D) Fin spacing: **R** = 6.35 mm (positive) **C** = 6.35 mm (negative)

L = 9 mm (positive) **S** = 9 mm (negative)

M = 12 mm (positive) **T** = 12 mm (negative)

(D) Available pressure

The NW is available with CO₂, HFCs and glycol water. For more information, please consult our software.

CONDITIONS	REFRIGERANTS	NW ... L
0 Pa (1)	CO ₂ - 40 bar (3)	kW
	SC2 (2)	kW
	R449A	kW
	R404A	kW
Airflow		m ³ /h
Air throw (4)		m

CONDITIONS	REFRIGERANTS	NW ... L
100 Pa (1)	CO ₂ - 40 bar (3)	kW
	SC2 (2)	kW
	R449A	kW
	R404A	kW
Airflow		m ³ /h
Air throw (4)		m

Surface area		m ²
Circuit volume		dm ³
Fan	Ø 560 mm	Nb
1,500 rpm	400 V/3/50 Hz	W max
		A max
Acoustics	Lp 4m (5)	dB(A)
	Lw	dB(A)
	Coil + drain pan	Nb
Standard electric defrost	230-400 V/3/50 Hz	W Total
		A Total
Connections HFCs	Inlet	Ø
	Outlet	Ø
Net weight		kg

NW ... L - Axial fans

9 mm

9 A1	11 A1	20 A2	24 A2	36 A3	49 A4
10,6	12,5	21,3	25,2	38,2	50,7
9,3	11,9	19,6	24,4	36,7	49,4
10,0	12,1	20,3	24,8	37,6	50,2
8070	7770	16130	15530	23300	31070
21	21	25	24	29	34

9 A1	11 A1	20 A2	24 A2	36 A3	49 A4
9,2	10,6	18,5	21,5	32,2	43,1
8,3	10,5	17,6	21,6	32,4	43,7
8,8	10,6	18,1	21,7	32,8	43,9
6230	5870	12460	11740	17610	23480
17	16	20	19	23	27

9 A1	11 A1	20 A2	24 A2	36 A3	49 A4
40,8	54,4	81,7	108,9	163,3	217,7
15,9	21,1	31,7	42,3	63,4	84,5
1	1	2	2	3	4
1200	1200	2400	2400	3600	4800
2,4	2,4	4,8	4,8	7,2	9,6
52	52	55	55	57	58
82	82	85	85	87	88
4+2	7+2	4+2	7+2	7+2	7+2
3900	5850	6600	9900	14400	22500
9.8/5.6	14.7/8.4	16.6/9.5	24.9/14.3	36.1/20.8	56.5/32.5
5/8"	5/8"	5/8"	7/8"	7/8"	1 1/8"
1 1/8"	1 1/8"	1 3/8"	1 5/8"	2 1/8"	2 1/8"
185	205	295	325	445	565

CONDITIONS	REFRIGERANTS	NW ... L
200 Pa (1)	CO ₂ - 40 bar (3)	kW
	SC2 (2)	kW
	R449A	kW
	R404A	kW
Airflow		m ³ /h
Air throw (4)		m

Surface area		m ²
Circuit volume		dm ³
Turbine	12/12	Nb
1,000 rpm	230-400 V/3/50 Hz	W max
		A max
Acoustics	Lp 4m (5)	dB(A)
	Lw	dB(A)
	Coil + drain pan	Nb
Electric defrost EIU (6)	230-400 V/3/50 Hz	W Total
		A Total
Connections HFCs	Inlet	Ø
	Outlet	Ø
Net weight		kg

NW ... L - Centrifugal

9 mm

9 C1	10 C1	18 C2	22 C2	33 C3	44 C4
9,0	10,3	18,0	20,9	28,5	42,2
8,1	10,1	16,7	20,6	31,7	42,5
8,4	10,2	17,1	20,7	31,0	41,5
5850	5700	11700	11400	17110	22810
19	18	23	22	26	29

9 C1	10 C1	18 C2	22 C2	33 C3	44 C4
40,8	54,4	81,7	108,9	163,3	217,7
15,9	21,1	31,7	42,3	63,4	84,5
1	1	2	2	3	4
1300	1300	2600	2600	3900	5200
3,4	3,4	3,4	3,4	3,4	3,4
52	51	55	54	56	57
82	81	85	84	86	87
4+2	7+2	4+2	7+2	7+2	7+2
3900	5850	6600	9900	14400	22500
9.8/5.6	14.7/8.4	16.6/9.5	24.9/14.3	36.1/20.8	56.5/32.5
5/8"	5/8"	5/8"	7/8"	7/8"	7/8"
1 1/8"	1 1/8"	1 3/8"	1 5/8"	1 5/8"	2 1/8"
185	205	295	325	445	565

NW 12^(A) A1^(B) C^(C) 100Pa^(D)

(A) Model

(B) A = Axial fan - C = Centrifugal fan / 1 = Number

(D) Fin spacing: R = 6.35 mm (positive) C = 6.35 mm (negative)

L = 9 mm (positive) S = 9 mm (negative)

M = 12 mm (positive) T = 12 mm (negative)

(D) Available pressure

The NW is available with CO₂,
HFCs and glycol water.
For more information, please
consult our software.

CONDITIONS	REFRIGERANTS	NW ... S
SC3 (2)	CO ₂ - 40 bar (3)	kW
	R449A	kW
	R404A	kW
SC4 (2)	CO ₂ - 40 bar (3)	kW
	R449A	kW
	R404A	kW
Airflow		m ³ /h
Air throw (4)		m

CONDITIONS	REFRIGERANTS	NW ... S
SC3 (2)	CO ₂ - 40 bar (3)	kW
	R449A	kW
	R404A	kW
SC4 (2)	CO ₂ - 40 bar (3)	kW
	R449A	kW
	R404A	kW
Airflow		m ³ /h
Air throw (4)		m

Surface area		m ²
Circuit volume		dm ³
Fan	Ø 560 mm	Nb
1,500 rpm	400 V/3/50 Hz	W max
		A max
Acoustics	Lp 4m (5)	dB(A)
	Lw	dB(A)
Electric defrost	Coil + drain pan	Nb
EIU (6)	230-400 V/3/50 Hz	W Total
		A Total
Connections HFCs	Inlet	Ø
	Outlet	Ø
Net weight		kg

(1) Additional available air pressure in pascals.

(2) Standard conditions:

SC2 / 0 °C (air inlet temp.) / -8 °C (evaporating temp.) / DT1 = 8K

SC3 / -18 °C (air inlet temp.) / -25 °C (evaporating temp.) / DT1 = 7K

SC4 / -25 °C (air inlet temp.) / -31 °C (evaporating temp.) / DT1 = 6K

(3) Operating pressure - Specific coil - Connection diameters to be defined when ordering.

(4) Residual air speed: 0.25 m/s.

(5) Average sound pressure level in dB(A) calculated at 4 m, level with the blades, in a free field over a reflecting plane, given as an indication only.

(6) Electric defrost option.

R404A is a refrigerant only available for non-EU markets (not compatible with F-Gas).

NW ... S - Axial fans

9 mm

9 A1	11 A1	19 A2	24 A2	36 A3	48 A4
8,6	9,9	17,5	20,1	31,6	42,1
6,2	7,8	12,2	16,3	24,6	33,2
7,2	8,9	14,6	18,3	27,7	37,1
6,8	7,7	13,8	15,8	25,0	33,3
4,6	5,8	9,0	12,3	18,5	25,2
5,5	6,8	11,1	14,0	21,2	28,5
8070	7770	16130	15530	23300	31070
21	21	25	24	29	34

9 A1	11 A1	19 A2	24 A2	36 A3	48 A4
7,6	8,6	15,3	17,4	26,9	35,8
5,6	7,1	11,1	14,6	22,0	29,8
6,5	7,9	13,0	16,1	24,3	32,7
6,0	6,8	12,1	13,8	21,4	28,6
4,2	5,3	8,2	11,0	16,7	22,8
4,9	6,0	9,9	12,4	18,8	25,3
6230	5870	12460	11740	17610	23480
17	16	20	19	23	27

9 A1	11 A1	19 A2	24 A2	36 A3	48 A4
40,8	54,4	81,7	108,9	163,3	217,7
15,9	21,1	31,7	42,3	63,4	84,5
1	1	2	2	3	4
1200	1200	2400	2400	3600	4800
2,4	2,4	4,8	4,8	7,2	9,6
52	52	55	55	57	58
82	82	85	85	87	88
7+2	10+2	7+2	10+2	10+2	10+2
5850	7800	9900	13200	19200	30000
8,4	11,3	14,3	19,1	27,7	43,3
5/8"	5/8"	7/8"	7/8"	1 1/8"	1 1/8"
1 3/8"	1 3/8"	1 5/8"	2 1/8"	2 1/8"	2 5/8"
185	205	295	325	445	565

NW 12_(A) A1_(B) R_(C) 100Pa_(D)

(A) Model

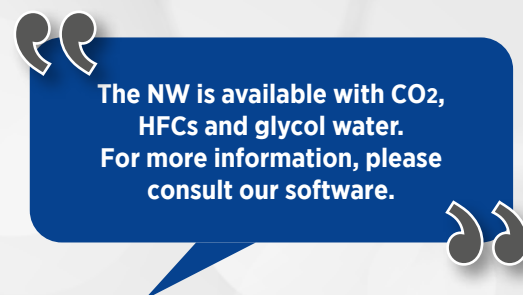
(B) **A** = Axial fan - **C** = Centrifugal fan / **1** = Number

(D) Fin spacing: **R** = 6.35 mm (positive) **C** = 6.35 mm (negative)

L = 9 mm (positive) **S** = 9 mm (negative)

M = 12 mm (positive) **T** = 12 mm (negative)

(D) Available pressure



CONDITIONS	REFRIGERANTS	NW ... M
0 Pa (1)	CO₂ - 40 bar (3)	kW
	SC2 (2)	kW
	R449A	kW
	R404A	kW
Airflow		m ³ /h
Air throw (4)		m

CONDITIONS	REFRIGERANTS	NW ... M
100 Pa (1)	CO₂ - 40 bar (3)	kW
	SC2 (2)	kW
	R449A	kW
	R404A	kW
Airflow		m ³ /h
Air throw (4)		m

Surface area		m ²
Circuit volume		dm ³
Fan	Ø 560 mm	Nb
1,500 rpm	400 V/3/50 Hz	W max
		A max
Acoustics	Lp 4m (5)	dB(A)
	Lw	dB(A)
	Coil + drain pan	Nb
Standard electric defrost	230-400 V/3/50 Hz	W Total
		A Total
Connections HFCs	Inlet	Ø
	Outlet	Ø
Net weight		kg

CONDITIONS	REFRIGERANTS	NW ... M
200 Pa (1)	CO₂ - 40 bar (3)	kW
	SC2 (2)	kW
	R449A	kW
	R404A	kW
Airflow		m ³ /h
Air throw (4)		m

Surface area		m ²
Circuit volume		dm ³
Turbine	12/12	Nb
1,000 rpm	230-400 V/3/50 Hz	W max
		A max
Acoustics	Lp 4m (5)	dB(A)
	Lw	dB(A)
	Coil + drain pan	Nb
Electric defrost E1U (6)	230-400 V/3/50 Hz	W Total
		A Total
Connections HFCs	Inlet	Ø
	Outlet	Ø
Net weight		kg

NW ... M - Axial fans

12 mm

9 A1	11 A1	19 A2	23 A2	34 A3	47 A4
8,5	10,4	17,0	20,9	29,8	41,9
8,4	10,5	17,2	21,5	32,3	43,7
8,8	10,9	18,0	22,3	33,6	45,0
8230	7950	16460	15900	23840	31790
22	21	26	25	30	34

9 A1	11 A1	19 A2	23 A2	34 A3	47 A4
7,5	9,0	15,0	18,1	26,2	36,3
7,5	9,3	15,4	19,1	28,6	38,6
7,9	9,6	16,0	19,5	29,4	39,4
6420	6080	12850	12170	18250	24340
17	17	21	20	24	27

9 A1	11 A1	19 A2	23 A2	34 A3	47 A4
31,7	42,3	63,4	84,5	126,8	169,0
15,9	21,1	31,7	42,3	63,4	84,5
1	1	2	2	3	4
1200	1200	2400	2400	3600	4800
2,4	2,4	4,8	4,8	7,2	9,6
52	52	55	55	57	58
82	82	85	85	87	88
4+2	7+2	4+2	7+2	7+2	7+2
3900	5850	6600	9900	14400	22500
9.8/5.6	14.7/8.4	16.6/9.5	24.9/14.3	36.1/20.8	56.5/32.5
5/8"	5/8"	5/8"	7/8"	7/8"	1 1/8"
1 1/8"	1 1/8"	1 3/8"	1 5/8"	1 5/8"	2 1/8"
185	200	290	320	435	555

NW ... M - Centrifugal

12 mm

8 C1	10 C1	17 C2	21 C2	31 C3	42 C4
7,2	8,7	13,3	17,6	24,8	35,3
7,0	8,7	14,3	17,8	27,5	36,9
7,3	9,0	14,9	18,3	27,5	36,8
5900	5770	11800	11530	17300	23070
19	19	23	23	26	30

8 C1	10 C1	17 C2	21 C2	31 C3	42 C4
31,7	42,3	63,4	84,5	126,8	169,0
15,9	21,1	31,7	42,3	63,4	84,5
1	1	2	2	3	4
1300	1300	2600	2600	3900	5200
3,4	3,4	3,4	3,4	3,4	3,4
52	52	55	55	56	57
82	82	85	85	86	87
4+2	7+2	4+2	7+2	7+2	7+2
3900	5850	6600	9900	14400	22500
9.8/5.6	14.7/8.4	16.6/9.5	24.9/14.3	36.1/20.8	56.5/32.5
5/8"	5/8"	5/8"	7/8"	7/8"	7/8"
1 1/8"	1 1/8"	1 3/8"	1 3/8"	1 5/8"	2 1/8"
185	200	290	320	435	555

NW 12^(A) A1^(B) C^(C) 100Pa^(D)

(A) Model

(B) A = Axial fan - C = Centrifugal fan / 1 = Number

(D) Fin spacing: R = 6.35 mm (positive) C = 6.35 mm (negative)

L = 9 mm (positive) S = 9 mm (negative)

M = 12 mm (positive) T = 12 mm (negative)

(D) Available pressure

The NW is available with CO₂,
HFCs and glycol water.
For more information, please
consult our software.

CONDITIONS	REFRIGERANTS	NW ... T
0 Pa (1)	CO ₂ - 40 bar (3)	kW
	R449A	kW
	R404A	kW
SC3 (2)	CO ₂ - 40 bar (3)	kW
	R449A	kW
	R404A	kW
SC4 (2)	CO ₂ - 40 bar (3)	kW
	R449A	kW
	R404A	kW
Airflow		m ³ /h
Air throw (4)		m

CONDITIONS	REFRIGERANTS	NW ... T
100 Pa (1)	CO ₂ - 40 bar (3)	kW
	R449A	kW
	R404A	kW
SC3 (2)	CO ₂ - 40 bar (3)	kW
	R449A	kW
	R404A	kW
SC4 (2)	CO ₂ - 40 bar (3)	kW
	R449A	kW
	R404A	kW
Airflow		m ³ /h
Air throw (4)		m

Surface area		m ²
Circuit volume		dm ³
Fan	Ø 560 mm	Nb
1,500 rpm	400 V/3/50 Hz	W max
		A max
Acoustics	Lp 4m (5)	dB(A)
	Lw	dB(A)
Electric defrost	Coil + drain pan	Nb
		W Total
	230-400 V/3/50 Hz	A Total
Connections HFCs	Inlet	Ø
	Outlet	Ø
Net weight		kg

(1) Additional available air pressure in pascals.

(2) Standard conditions:

SC2 / 0 °C (air inlet temp.) / -8 °C (evaporating temp.) / DT1 = 8K

SC3 / -18 °C (air inlet temp.) / -25 °C (evaporating temp.) / DT1 = 7K

SC4 / -25 °C (air inlet temp.) / -31 °C (evaporating temp.) / DT1 = 6K

(3) Operating pressure - Specific coil - Connection diameters to be defined when ordering.

(4) Residual air speed: 0.25 m/s.

(5) Average sound pressure level in dB(A) calculated at 4 m, level with the blades, in a free field over a reflecting plane, given as an indication only.

(6) Electric defrost option.

R404A is a refrigerant only available for non-EU markets (not compatible with F-Gas).

NW ... T - Axial fans

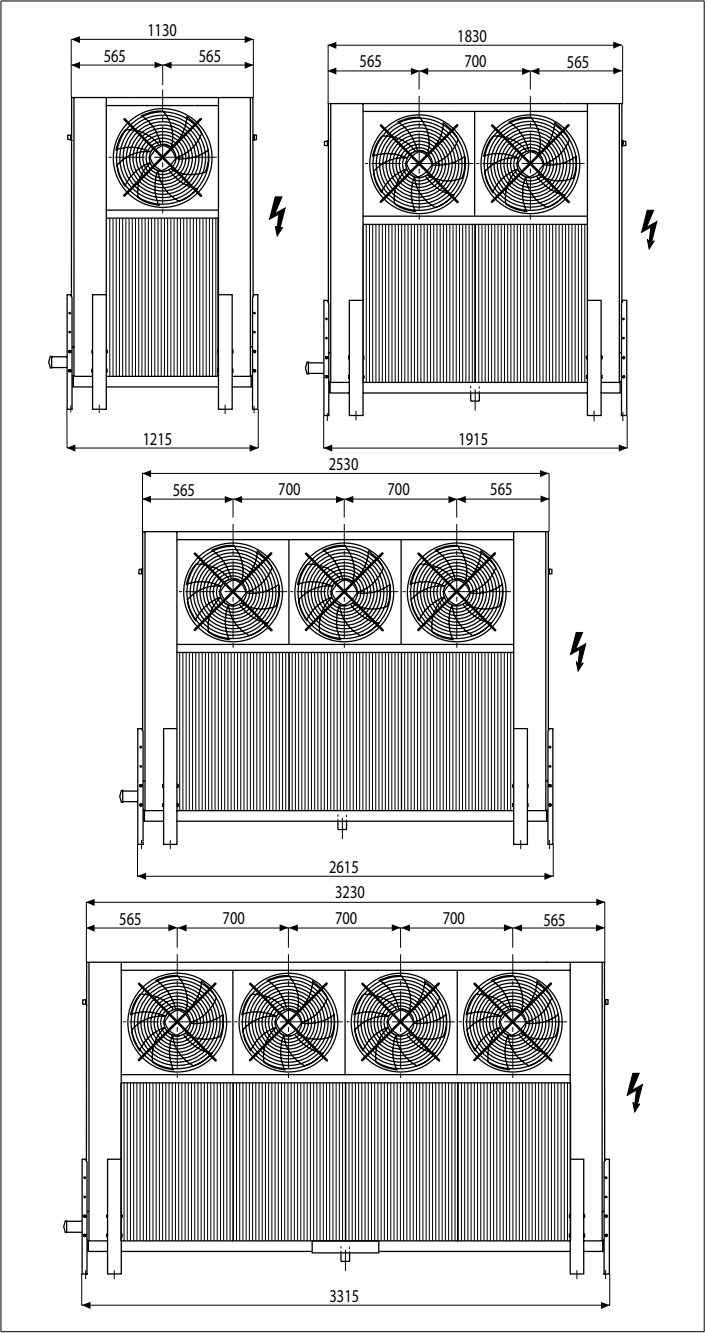
12 mm

9 A1	11 A1	18 A2	22 A2	34 A3	46 A4
7,0	8,4	14,1	16,9	26,0	34,7
5,2	7,0	10,8	14,5	21,9	29,7
6,3	8,0	12,9	16,5	24,8	33,4
5,5	6,6	11,1	13,4	20,7	27,6
3,8	5,2	8,1	11,0	16,5	22,5
4,8	6,1	9,8	12,6	19,1	25,7
8230	7950	16460	15900	23840	31790
22	21	26	25	30	34

9 A1	11 A1	18 A2	22 A2	34 A3	46 A4
6,2	7,3	12,5	14,8	22,5	30,1
4,7	6,3	9,8	13,0	19,5	26,5
5,6	7,1	11,5	14,5	21,9	29,4
4,9	5,8	9,9	11,8	18,0	24,0
3,5	4,7	7,3	10,0	14,9	20,3
4,2	5,4	8,8	11,2	16,9	22,8
6420	6080	12850	12170	18250	24340
17	17	21	20	24	27

9 A1	11 A1	18 A2	22 A2	34 A3	46 A4
31,7	42,3	63,4	84,5	126,8	169,0
15,9	21,1	31,7	42,3	63,4	84,5
1	1	2	2	3	4
1200	1200	2400	2400	3600	4800
2,4	2,4	4,8	4,8	7,2	9,6
52	52	55	55	57	58
82	82	85	85	87	88
7+2	10+2	7+2	10+2	10+2	10+2
5850	7800	9900	13200	19200	30000
8.4	11.3	14.3	19.1	27.7	43.3
5/8"	5/8"	7/8"	7/8"	1 1/8"	1 1/8"
1 3/8"	1 3/8"	1 5/8"	1 5/8"	2 1/8"	2 1/8"
185	200	290	320	435	555

NW .. A ..



NW .. C ..

