

FRIGA-BOHN®

GTI | GTA

Dual-discharge unit coolers
Industrial range

CO2 60bar

WG

HFC



GTA | GTA-W



GTI | GTI-W

|||| 11 - 87 kW



- # **Easy installation:** the unit coolers are delivered in the installation position.
- # **Acoustic comfort:** a choice of fan speeds.
- # **Easy maintenance:** components that are quick to access without disassembly.

CASING

- # Pre-painted galvanized steel for corrosion and impact resistance.
- # The exterior drain pans of the GTA-W are removable, and are either fixed or hinge-mounted (optional).
- # The GTI(-W) and GTA(-W) are equipped with end caps and delivered on a wooden base.

OPTIONS

EIS

Insulated drain pan.

BCS

Hinged condensate pan.

CIN

Stainless steel casing.

ECB

Wooden crate packaging.

GTI / GTI-W | GTA / GTA-W

GTA / GTA-W



VENTILATION

GTI / GTI-W

- # Motor fans Ø 450 mm, 230-400 V/3/50 Hz:
 - 4P** = 1,500 rpm.
 - 6P** = 1,000 rpm.
 - 8P** = 750 rpm.

GTA / GTA-W

- # Motor fans Ø 630 mm, 400 V/3/50 Hz, IP 54, class F, with built-in thermal protection
 - 4P** = 1,330 rpm.
 - 6/8P** = 890 / 690 rpm.

OPTIONS

M60

GTI / GTI-W

Motor fans 230-400V/3/50-60Hz (adapted blades).

GTA / GTA-W

EC1

EC 400V/3/50-60Hz motors.

EC2

EC 230V/1/50-60Hz motors.

C3V

3-speed switch (motors EC1 and EC2).

CMU

Factory motor wiring.

MVI

Stainless steel fan grille.

[CONTACT US](#)

DEFROST

- # Three defrost modes for the coil:
electric (230V/1, 230V/3 or 400V/3), hot water, hot gas.
- # Quick defrosting of the condensate pan thanks to a heater under the intermediate drain pan. .

OPTIONS

E1U

GTI / GTI-W

Light electric defrost.

HGB

Hot gas defrost (coil only).

GTA / GTA-W

E1U

Light electric defrost

E1K

Light electric defrost.

KIT TO INSTALL

ELU

Electric defrost (coil+ drain pan)

HG1

Hot gas defrost (coil: hot gases, drain pan: heaters).

EEK

Drain pan electric defrost.

KIT TO INSTALL

ECU

Additional electric coil defrost.

CONTACT US

ECK

Additional electric coil defrost.

KIT TO INSTALL

DEG

Hot glycol water defrost (coil).

Look after your
coils to extend
their service life!
Contact us.

COILS

- # Aluminium fins with 4.23 or 6.35 mm spacing.
- # Combined with copper tubes, the coils are very efficient and compact.
- # Versions available:
 - Multi-refrigerant HFCs.
 - CO2 (60 bar).
 - WCO (glycol water, coolant).

OPTIONS

EGK

Glycol water and heat transfer refrigerant extension.

KIT TO INSTALL

INSTALLATION | MAINTENANCE

- # Easy access to the drain pans and motorized fans facilitating installation and maintenance.
- # Delivered in assembly position, the GTA(-W) is designed to be installed on the ceiling.
- # To facilitate installation of the glycol water version, a connection kit is available as an option (option EGK).



GTI^(A) 3^(B) 44^(C) 4P^(D)

(A) GTI: direct expansion unit cooler GTI-W: glycol water unit cooler

(B) Number of fans

(C) Fin spacing: 4 = 4,23 mm - 7 = 6,35 mm

(D) 4P = 1,500 rpm. - 6P = 1,000 rpm. - 8P = 750 rpm.

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

GTI ... 4P/6P/8P - 1,500/1,000/750 rpm.

4,23 mm

CONDITIONS		REFRIGERANTS		GTI ...	344	364	444	464	484	564	584
SC1 (1)	CO2 - 60 bar (2)	4P	kW		30,6	39,8	45,3	56,2	61,5	68,3	71,9
		6P	kW		25,0	31,7	36,0	40,0	45,1	50,9	55,7
		8P	kW		20,0	22,9	27,4	30,3	30,8	35,9	37,5
	R449A	4P	kW		34,8	44,6	46,0	60,2	70,5	73,0	77,9
		6P	kW		29,2	36,7	39,1	49,1	55,1	59,4	64,1
		8P	kW		24,8	29,8	33,5	39,9	43,4	48,5	52,9
	R404A	4P	kW		33,7	42,5	45,2	57,7	66,3	68,8	73,2
		6P	kW		27,8	34,5	37,6	46,1	51,8	55,8	60,2
		8P	kW		23,5	28,0	32,1	37,5	40,8	45,6	49,7
	CO2 - 60 bar (2)	4P	kW		20,2	28,3	31,7	37,7	39,3	44,4	52,6
		6P	kW		17,0	21,2	24,4	28,4	29,2	33,6	33,7
		8P	kW		14,0	17,5	19,9	22,5	21,0	25,5	25,6
SC2 (1)	R449A	4P	kW		21,1	27,0	28,6	36,6	38,0	44,3	49,8
		6P	kW		17,2	20,8	23,3	28,0	29,3	34,4	37,5
		8P	kW		14,0	16,3	18,8	21,9	22,6	27,1	28,7
	R404A	4P	kW		20,4	25,6	27,9	34,8	36,1	42,0	47,3
		6P	kW		16,3	19,8	22,2	26,6	27,9	32,7	35,6
		8P	kW		13,3	15,5	17,9	20,8	21,5	25,7	27,3

		344	364	444	464	484	564	584	
Surface area	m ²	98,4	147,5	131,2	196,7	262,3	245,9	327,9	
Circuit tube vol.	dm ³	19,0	28,5	25,4	38,1	50,8	47,6	63,4	
Airflow	4P	13950	13350	18600	17800	17000	22250	21250	
	6P	9360	8960	12480	11950	11410	14930	14260	
	8P	6670	6390	8900	8500	8130	10650	10170	
Fan * Ø 450 mm 400V/3/50Hz	Nb	3	3	4	4	4	5	5	
	Air throw (3)	4P	2x7	2x7	2x7	2x7	2x7	2x7	2x7
		6P	2x5	2x5	2x6	2x5	2x5	2x5	2x5
		8P	2x4	2x4	2x4	2x4	2x4	2x4	2x4
		4P	50	50	51	51	51	52	52
Acoustics Lw = Lp +30 dB(A)	Lp 4m (4)	6P	40	40	41	41	41	42	42
		8P	33	33	34	34	34	35	35
		Coil	Nb	6	6	6	6	6	6
Electric defrost EIU	400 V/3/50 Hz	W Total	6000	6000	9240	9240	9240	12000	12000
		A Total	9	9	14	14	14	18	18
Connections	Inlet (5)	Ø	7/8"	1"1/8	1"1/8	1"1/8	1"1/8	1"3/8	
HFCs	Outlet (6)	Ø	1"5/8	1"5/8	2"1/8	2"1/8	2"1/8	2"5/8	
Net weight (CO2)		kg	197	239	249	295	348	364	430

* 4P : 360 W max - 1 A max (7). 6P : 115 W max - 0.6 A max (7). 8P : 72 W max - 0.4 A max (7).

(1) Standard conditions:

SC1 / +10 °C (air inlet temp.) / 0 °C (evaporating temp.) / DT1 = 10K

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

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

(3) Residual air speed: 0.25 m/s, in accordance with the standard.

(4) 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.

(5) Distributor: male to solder.

(6) ODF = female, to receive the tube of the same diameter.

(7) Adjustment of overload protection.

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

GTI^(A) 3^(B) 44^(C) 4P^(D)

(A) GTI: direct expansion unit cooler GTI-W: glycol water unit cooler

(B) Number of fans

(C) Fin spacing: 4 = 4,23 mm - 7 = 6,35 mm

(D) 4P = 1,500 rpm. - 6P = 1,000 rpm. - 8P = 750 rpm.

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

GTI ... 4P/6P/8P - 1,500/1,000/750 rpm.

 6,35 mm

CONDITIONS	REFRIGERANTS	GTI ...
SC1 (1)	CO ₂ - 60 bar (2)	4P kW
		6P kW
		8P kW
	R449A	4P kW
		6P kW
		8P kW
	R404A	4P kW
		6P kW
		8P kW
SC2 (1)	CO ₂ - 60 bar (2)	4P kW
		6P kW
		8P kW
	R449A	4P kW
		6P kW
		8P kW
	R404A	4P kW
		6P kW
		8P kW

347	367	387	467	487	567	587
26,0	35,3	39,2	46,6	52,1	57,4	66,9
20,9	26,4	29,4	34,2	41,1	45,5	46,8
16,8	21,0	24,0	28,0	31,1	34,2	38,7
28,3	38,8	49,5	55,6	66,4	67,6	77,3
24,8	31,2	38,6	44,4	51,8	54,5	60,8
21,7	27,7	31,2	37,1	41,8	48,2	51,9
28,3	37,7	46,7	53,0	62,8	65,2	73,6
24,5	30,1	36,3	42,2	48,7	52,3	57,1
21,1	26,1	29,3	34,9	39,3	45,3	48,8
17,0	23,9	25,6	33,0	37,0	40,2	45,0
13,9	19,0	19,5	24,1	27,8	30,9	33,7
11,8	14,4	16,2	18,9	20,0	22,3	25,7
17,0	22,7	25,8	29,3	34,6	38,0	44,6
14,0	18,2	20,2	23,6	27,0	30,2	34,5
11,6	14,5	15,9	19,1	21,3	24,1	27,0
16,8	21,9	24,5	27,9	32,8	36,3	42,4
13,6	17,2	19,1	22,4	25,7	28,7	32,7
11,2	13,8	15,1	18,1	20,2	22,9	25,6

Surface area		m ²
Circuit tube vol.		dm ³
Airflow	4P	m ³ /h
	6P	m ³ /h
	8P	m ³ /h
Fan *		Nb
	4P	m
	6P	m
Air throw (3)	8P	m
	4P	dB(A)
	6P	dB(A)
Acoustics Lw = Lp + 30 dB(A)	Lp 4m (4)	8P
		dB(A)
		dB(A)
Defrost defrost EIU	Coil	Nb
		W Total
	400 V/3/50 Hz	A Total
Connections	Inlet (5)	Ø
	Outlet (6)	Ø
Net weight (CO ₂)		kg

347	367	387	467	487	567	587
67,7	101,5	135,3	135,3	180,4	169,1	225,5
19,0	28,5	38,1	38,1	50,8	47,6	63,4
14160	13680	13260	18240	17680	22800	22100
9500	9180	8900	12240	11860	15300	14830
6770	6540	6340	8730	8460	10910	10570
3	3	3	4	4	5	5
2x7	2x7	2x7	2x7	2x7	2x7	2x7
2x5	2x5	2x5	2x5	2x5	2x5	2x5
2x4	2x4	2x4	2x4	2x4	2x4	2x4
50	50	50	51	51	52	52
40	40	40	41	41	42	42
33	33	33	34	34	35	35
6	6	6	6	6	6	6
6000	6000	6000	9240	9240	12000	12000
9	9	9	14	14	18	18
7/8"	1"1/8	1"1/8	1"1/8	1"1/8	1"1/8	1"3/8
1"5/8	1"5/8	1"5/8	2"1/8	2"1/8	2"1/8	2"5/8
181	211	248	271	321	336	398

* 4P : 360 W max - 1 A max (7). 6P : 115 W max - 0.6 A max (7). 8P : 72 W max - 0.4 A max (7).

(1) Standard conditions:

SC1 / +10 °C (air inlet temp.) / 0 °C (evaporating temp.) / DT1 = 10K

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

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

(3) Residual air speed: 0.25 m/s, in accordance with the standard.

(4) 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.

(5) Distributor: male to solder.

(6) ODF = female, to receive the tube of the same diameter.

(7) Adjustment of overload protection.

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

GTI^(A) 3^(B) 44^(C) 4P^(D)

(A) GTI: direct expansion unit cooler GTI-W: glycol water unit cooler

(B) Number of fans

(C) Fin spacing: 4 = 4,23 mm - 7 = 6,35 mm

(D) 4P = 1,500 rpm. - 6P = 1,000 rpm. - 8P = 750 rpm.

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

CONDITIONS	GTI ... R ...	
SC2 (1)	CO ₂ - 60 bar (2)	4D kW
		6D kW
		6Y kW
	R449A	4D kW
		6D kW
		6Y kW
	R404A	4D kW
		6D kW
		6Y kW

Surface area		m ²
Circuit tube vol.		dm ³
Airflow	4D	m ³ /h
	6D	m ³ /h
	6Y	m ³ /h
Fan *		Nb
	4D	m
	6D	m
Acoustics Lw = Lp + 30 dB(A)	Lp 4m (4)	6Y m
		4D dB(A)
		6D dB(A)
Electric defrost EIU (5)	Coil	6Y dB(A)
		Nb
		W Total
Electric defrost ELU+EEK (5)	Coil + drain pan	A Total
		Nb
		W Total
Kit ECK or Kit EEK	Coil	A Total
		Nb
		W Total
Connections HFCs	Inlet (6)	A Total
		ECK
		EEK
Net weight (CO ₂)	Outlet (7)	Max. nb kit
		4D Ø
		6D/Y Ø

GTA ... R 4D/6D/6Y - 1,330/890/690 rpm.

4,23 mm

24	26	28	34	36	38	44	46	48
34,7	44,6	47,1	52,5	63,2	72,6	70,2	84,8	-
30,9	36,5	38,6	46,6	55,9	59,0	62,3	73,7	-
25,8	29,0	29,8	38,8	44,1	47,8	50,0	59,3	-
31,6	41,2	42,7	47,0	60,8	64,5	63,7	82,8	86,6
27,9	32,5	36,6	41,7	52,3	55,1	56,3	65,4	73,9
24,4	27,5	30,3	36,6	43,8	45,5	49,1	55,6	61,0
30,8	39,1	40,6	45,3	57,8	61,2	62,1	78,7	82,3
27,1	30,8	34,7	40,1	49,7	52,3	54,7	62,1	70,2
23,4	26,2	28,8	34,8	41,6	43,2	47,1	52,8	57,9

24	26	28	34	36	38	44	46	48
130	195	260	195	292	390	260	390	520
25,1	37,7	50,3	37,7	56,6	75,4	50,3	75,4	100,5
22680	21660	20750	34020	32480	31130	45360	43310	41500
17770	16780	15920	26650	25180	23880	35540	33570	31840
13700	12750	11930	20540	19130	17900	27390	25510	23860
2	2	2	3	3	3	4	4	4
2x17	2x15	2x14	2x17	2x15	2x14	2x17	2x15	2x14
2x12	2x11	2x10	2x12	2x11	2x10	2x12	2x11	2x10
2x10	2x9	2x8	2x10	2x9	2x8	2x10	2x9	2x8
57	57	57	59	59	59	60	60	60
48	48	48	50	50	50	51	51	51
41	41	41	43	43	43	44	44	44
12	12	12	12	12	12	12	12	12
9000	9000	9000	13800	13800	13800	18000	18000	18000
13	13	13	20	20	20	26	26	26
12+6	12+6	12+6	12+6	12+6	12+6	12+6	12+6	12+6
13500	13500	13500	20700	20700	20700	27000	27000	27000
19,5	19,5	19,5	30	30	30	39	39	39
6	6	6	6	6	6	6	6	6
4500	4500	4500	6900	6900	6900	9000	9000	9000
6,5	6,5	6,5	10	10	10	13	13	13
1	1	2	1	1	2	1	1	2
1	1	1	1	1	1	1	1	1
1"1/8	1"3/8	1"3/8	1"3/8	1"5/8	1"5/8	1"5/8	2x1"3/8	2x1"3/8
1"1/8	1"1/8	1"3/8	1"3/8	1"5/8	1"5/8	1"5/8	1"5/8	2x1"3/8
1"5/8	1"5/8	1"5/8	2"1/8	2"1/8	2"1/8	2"1/8	2"5/8	2"5/8
1"3/8	1"5/8	1"5/8	2"1/8	2"1/8	2"1/8	2"1/8	2"1/8	2"5/8
282	325	360	382	444	498	500	571	549*

* 4D : 1,250 W max - 2.48 A max (8) - 6D : 600 W max - 1.20 A max (8) - 6Y: 400 W max - 0.68 A max (8).

* HFC weight

(1) Standard conditions:

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

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

(3) Residual air speed: 0.25 m/s, in accordance with the standard.

(4) 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.

(5) Option and electric defrost kit.

(6) Distributor: male to solder.

(7) ODF = female, to receive the tube of the same diameter.

(8) Adjustment of overload protection.

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

GTI^(A) 3^(B) 44^(C) 4P^(D)

(A) GTI: direct expansion unit cooler GTI-W: glycol water unit cooler

(B) Number of fans

(C) Fin spacing: 4 = 4,23 mm - 7 = 6,35 mm

(D) 4P = 1,500 rpm. - 6P = 1,000 rpm. - 8P = 750 rpm.

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

GTA ... L 4D/6D/6Y - 1,330/890/690 rpm.

6,35 mm

CONDITIONS	GTA ... L ...	
SC2 (1)	CO ₂ - 60 bar (2)	4D kW
		6D kW
		6Y kW
	R449A	4D kW
		6D kW
		6Y kW
	R404A	4D kW
		6D kW
		6Y kW

24	26	28	34	36	38	44	46	48
28,1	36,9	40,9	42,4	53,7	60,9	56,6	74,2	-
25,0	30,1	36,0	37,6	45,5	51,2	47,2	60,9	-
21,9	25,3	29,0	32,9	38,2	41,2	41,9	51,2	-
25,0	33,7	38,6	37,5	50,6	58,4	50,3	67,8	77,8
22,4	28,7	33,5	33,7	43,2	50,4	45,1	57,9	67,5
19,7	24,9	28,3	29,6	37,4	42,5	39,7	50,1	56,8
25,0	33,1	36,6	37,2	49,2	55,4	50,4	66,5	73,9
22,3	27,2	31,8	33,2	41,0	47,9	44,8	55,0	64,1
16,0	23,6	26,9	23,9	35,5	40,3	32,2	47,5	54,0

Surface area		m ²
Circuit tube vol.		dm ³
Airflow	4D	m ³ /h
	6D	m ³ /h
	6Y	m ³ /h
Fan * Ø 630 mm 400V/3/50Hz		Nb
	4D	m
	6D	m
Acoustics Lw = Lp +30 dB(A)	Lp 4m (3)	6Y m
		4D dB(A)
		6D dB(A)
Electric defrost EIU (4)	Coil	6Y dB(A)
		Nb
		W Total
Electric defrost ELU+EEK (4)	Coil + drain pan	A Total
		Nb
		W Total
Kit ECK or Kit EEK	Coil	A Total
		Nb
		W Total
Connections HFCs	Inlet (6)	A Total
		ECK
		EEK
Net weight (CO2)	Outlet (7)	Max. nb kit
		Ø
		Ø

24	26	28	34	36	38	44	46	48
89	134	179	134	201	268	179	268	357
25,1	37,7	50,3	37,7	56,6	75,4	50,3	75,4	100,5
23260	22410	21650	34890	33610	32480	46520	44810	43310
18300	17510	16780	27440	26270	25180	36590	35020	33570
14210	13450	12750	21320	20180	19130	28420	26900	25510
2	2	2	3	3	3	4	4	4
2x18	2x16	2x15	2x18	2x16	2x15	2x18	2x16	2x15
2x13	2x12	2x11	2x13	2x12	2x11	2x13	2x12	2x11
2x11	2x10	2x9	2x11	2x10	2x9	2x11	2x10	2x9
57	57	57	59	59	59	60	60	60
48	48	48	50	50	50	51	51	51
41	41	41	43	43	43	44	44	44
12	12	12	12	12	12	12	12	12
9000	9000	9000	13800	13800	13800	18000	18000	18000
13	13	13	20	20	20	26	26	26
12+6	12+6	12+6	12+6	12+6	12+6	12+6	12+6	12+6
13500	13500	13500	20700	20700	20700	27000	27000	27000
19,5	19,5	19,5	30	30	30	39	39	39
6	6	6	6	6	6	6	6	6
4500	4500	4500	6900	6900	6900	9000	9000	9000
6,5	6,5	6,5	10	10	10	13	13	13
1	1	2	1	1	2	1	1	2
1	1	1	1	1	1	1	1	1
1"1/8	1"3/8	1"3/8	1"3/8	1"5/8	1"5/8	1"5/8	2x1"3/8	2x1"3/8
1"1/8	1"1/8	1"3/8	1"3/8	1"3/8	1"5/8	1"5/8	1"5/8	2x1"3/8
1"5/8	1"5/8	1"5/8	2"1/8	2"1/8	2"1/8	2"1/8	2"5/8	2"5/8
1"3/8	1"3/8	1"3/8	1"5/8	1"5/8	2"1/8	2"1/8	2"1/8	2"5/8
272	310	339	366	419	464	478	538	549*

* 4D : 1,250 W max - 2.48 A max (8) - 6D : 600 W max - 1.20 A max (8) - 6Y: 400 W max - 0.68 A max (8).

* HFC weight

(1) Standard conditions:

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

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

(3) Residual air speed: 0.25 m/s, in accordance with the standard.

(4) 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.

(5) Option and electric defrost kit.

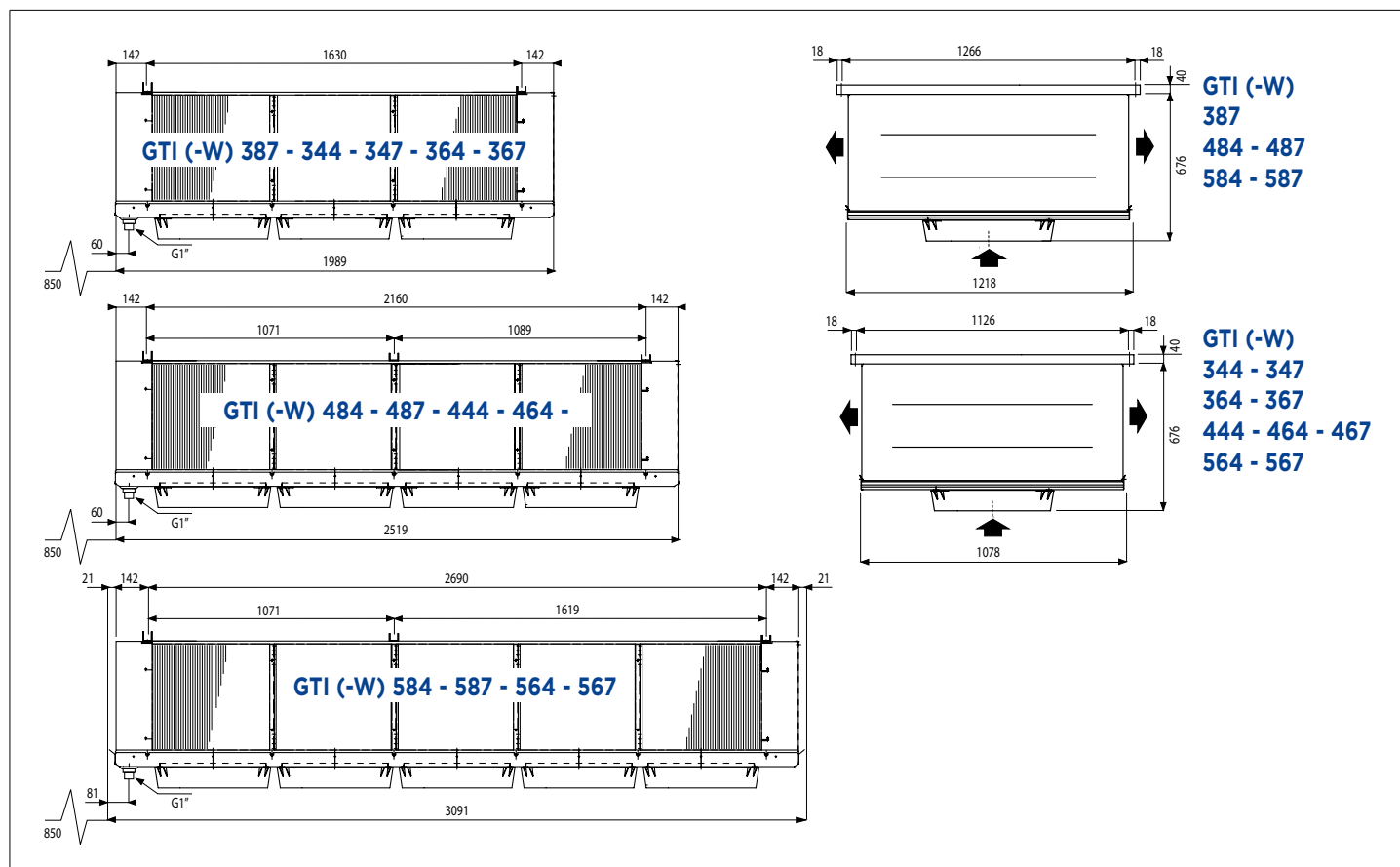
(6) Distributor: male to solder.

(7) ODF = female, to receive the tube of the same diameter.

(8) Adjustment of overload protection.

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

GTI / GTI-W



GTA / GTA-W

