

FRIGA-BOHN®

MAXI

Condensing unit

HFC



|||| MT **3 - 16.6 kW**
|||| LT **1.5 - 5.7 kW**



Easy installation: complete electrical supply pre-wired in the factory.

Easy maintenance: accessibility to all components.

Versatility: several versions are available to meet your requirements, SH (semi-hermetic) or SC (scroll) compressor; ALN condenser (low noise level) or AS (oversized condenser).

COMPRESSOR

Two technologies to choose from: semi-hermetic or Scroll compressor.

Multi-refrigerant compressor.

OPTION

CAC

Additional housing belt (Scroll version).

VFA

Valve + filter on suction.

CASING

Robust, made of white pre-painted sheet metal.



The MAXI condensing unit can be coupled to a unit cooler, according to your needs, to form a split system called the MAXIBOREAL

UNIT COOLER

The MAXI condensing unit can, depending on the needs of your application, be coupled with a dual-discharge unit cooler (NTA) or a cubic unit cooler (NOVA).

Factory-assembled with expansion valve and solenoid valve.

For more details on our unit coolers, please refer to the NTA and NOVA documentation.



CONDENSER

- # 1 to 4 fans.
- # Variable speed of rotation.

OPTION

RPC

Condensing pressure regulation.

GPC

Condenser protection grille.

ELECTRICAL BOX

- # Fully integrated electrical cabinet.
- # General disconnect switch.

OPTION

SPE

Wiring on terminal block (without electric board).

OTHER COMPONENTS

- # Receiver supplied with valve.
- # The liquid line consists as standard of a filter dryer, a liquid indicator and a service valve.
- # LP control by adjustable pressure switch.
- # HP safety by cartridge pressure switch with automatic reset.

OPTION

PRG

Precharging of MAXI unit with R404A*.
*Only for marketing outside Europe.



The MAXIBOREAL split system consists of the MAXI condensing unit, a unit cooler and a control system.

Please contact us to choose the right combination of unit/cooler for the refrigerant and the application.

REGULATION

- # Piloting by electronic regulation.
- # Air or electric defrost management.
- # Lighting management.
- # Display and referral of alarms.
- # Additional programmable contact (door opening, entrapment safety, etc.).
- # Integrated forced operation for rapid cooling or blast freezing.

MAXI^(A) SH^(B) P^(C) 32^(D) A^(E)

(A) **MAXI** = Condensing unit **MAXIBOREAL** = Split system
 (B) **SH** = Semi-hermetic compressor **SC** = Scroll compressor
 (C) **P** = positive range **N** = negative range
 (D) Model
 (E) **A** = Standard **AS** = Oversized **ALN** = Low noise level

The MAXI is available with HFCs.
 For more information, please
 consult our software.

MAX | Standard

Positive range

MAXI SH ...		
Power (1)	R449A	kW
Power consumption (1)	R449A	kW
Power (1)	R404A	kW
Power consumption (1)	R404A	kW
Current drawn - 400V/3/50Hz	A max	

MAXI SC ...		
Power (1)	R449A	kW
Power consumption (1)	R449A	kW
Power (1)	R404A	kW
Power consumption (1)	R404A	kW
Current drawn - 400V/3/50Hz	A max	

MAXI ...		
Fan	Nb x Ø	mm
		50 Hz
Airflow		m³/h
Speed of rotation		rpm
Liquid capacity		l.
Dimensions	L	mm
	D	mm
	H	mm
	A	mm
	B	mm
Connections	Suction	Ø
	Liquid	Ø
Net weight		kg

P23A	P26A	P33A	P41A	P53A	P66A	P83A	-
3,1	4,1	5,3	6,5	8,3	10,6	12,2 ⁽²⁾	-
1,7	2,3	2,5	3,2	4,2	5,7	7,4	-
3,3	4,2	5,5	6,9	8,5	11,0	12,9	-
1,9	2,4	2,7	3,4	4,5	6,1	8,0	-
5,15	7,00	7,80	10,20	13,20	15,20	19,86	-

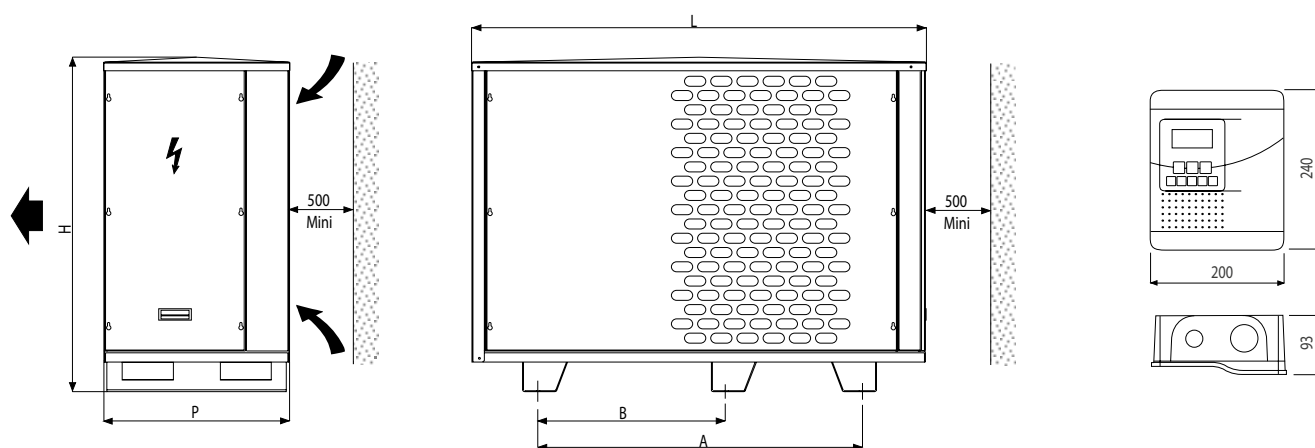
P23A	P26A	P33A	P41A	P53A	P66A	P83A	P104A
3,0	3,8	4,9	6,8	8,1	9,8	11,1 ⁽²⁾	16,6
1,9	2,1	2,5	3,4	4,5	5,3	7,7	9,8
3,1	3,9	5,1	6,9	8,2	10	11,4	17,1
2,0	2,3	2,6	3,6	4,7	5,7	8,1	10,3
6,45	6,20	7,90	11,40	13,40	14,00	18,00	26,00

P23A	P26A	P33A	P41A	P53A	P66A	P83A	P104A
1 x 355	1 x 355	2 x 355	2 x 355	2 x 355	2 x 500	2 x 500	2 x 500
230V/1	230V/1	230V/1	230V/1	230V/1	400V/3	400V/3	400V/3
1380	2200	2640	4200	4200	9600	11540	10314
1000	1500	1000	1500	1500	1000	1500	1500
3	3	5	5	5	11	11	11
1190	1190	1350	1350	1350	1450	1450	1450
475	475	550	550	550	600	600	600
810	810	1060	1060	1060	1470	1470	1470
805	805	955	955	955	1049	1049	1049
-	-	-	-	-	617	617	617
5/8"	7/8"	7/8"	7/8"	1 1/8"	1 1/8"	1 3/8"	1 3/8"
3/8"	3/8"	1/2"	1/2"	1/2"	1/2"	5/8"	5/8"
140	140	160	175	175	220	230	230

(1) **A**: Evaporating temperature **-10 °C** / Ambient temperature **+32 °C** - Superheat: 10K - Subcool: 3K.

(2) Product only available in split system.

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



MAXI^(A) SH^(B) P^(C) 32^(D) A^(E)

(A) **MAXI** = Condensing unit **MAXIBOREAL** = Split system
 (B) **SH** = Semi-hermetic compressor **SC** = Scroll compressor
 (C) **P** = positive range **N** = negative range
 (D) Model
 (E) **A** = Standard **AS** = Oversized **ALN** = Low noise level

The MAXI is available with HFCs.
 For more information, please
 consult our software.

MAX | Standard

Negative range

	MAXI SH ...	
Power (1)	R449A	kW
Power consumption (1)	R449A	kW
Power (1)	R404A	kW
Power consumption (1)	R404A	kW
Current drawn		A max

	MAXI SC ...	
Power (1)	R449A	kW
Power consumption (1)	R449A	kW
Power (1)	R404A	kW
Power consumption (1)	R404A	kW
Current drawn - 400V/3/50Hz		A max

	MAXI ...	
Fan	Nb x Ø	mm
		50 Hz
Airflow		m³/h
Speed of rotation		rpm
Liquid capacity		l.
	L	mm
	D	mm
Dimensions	H	mm
	A	mm
	B	mm
Connections	Suction	Ø
	Liquid	Ø
Net weight		kg

N24A	N34A	N42A	N73A	-
1,5	2,2 ⁽²⁾	2,7	4,1	-
1,4	2,0	2,3	3,7	-
1,8	2,5	3,2	4,5	-
1,7	2,5	3,0	4,3	-
7,35	10,40	11,60	18,30	-

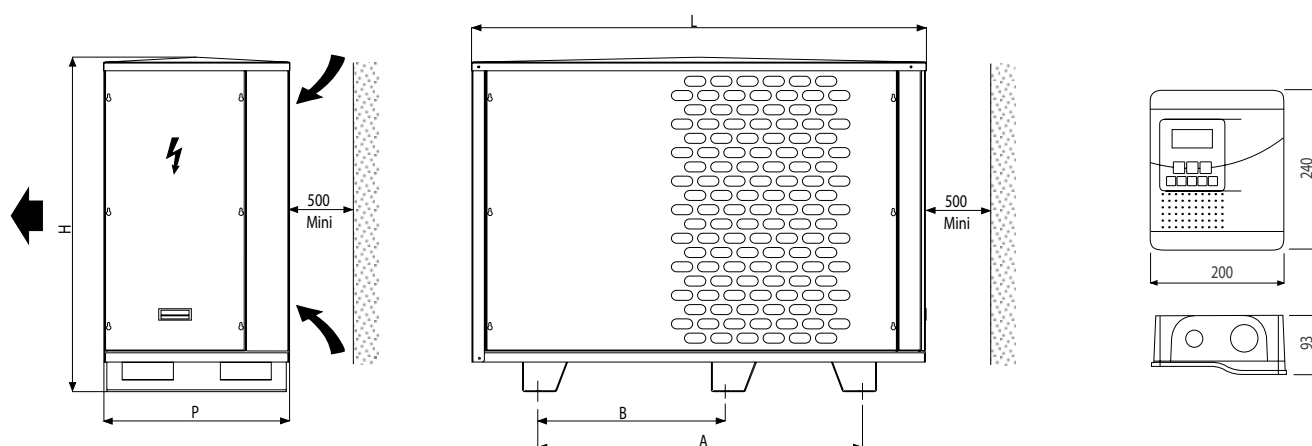
-	N34A	N42A	N73A	N84A
-	1,7 ⁽²⁾	2,9 ⁽²⁾	4,3	5,7 ⁽²⁾
-	2,0	3,4	4,4	6,3
-	1,77	3,0	4,5	5,9
-	1,97	3,3	4,3	6,2
-	8,20	11,90	19,40	25,00

N24A	N34A	N42A	N73A	N84A
1 x 355	1 x 355	2 x 355	2 x 355	2 x 500
230V/1	230V/1	230V/1	230V/1	400V/3
1380	2200	2640	4200	9600
1000	1500	1000	1500	1000
5	5	5	5	5
1190	1190	1350	1350	1450
475	475	550	550	600
810	810	1060	1060	1470
805	805	955	955	1049
-	-	-	-	617
7/8"	7/8"	1 1/8"	1 1/8"	1 3/8"
3/8"	3/8"	3/8"	1/2"	1/2"
140	140	175	175	230

(1) **A**: Evaporating temperature -35 °C / Ambient temperature +32 °C - Superheat: 10K - Subcool: 3K.

(2) Product only available in split system.

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



MAXIBOREAL_(A) SH_(B) P_(C) 23_(D) A_(E) T2R6P_(F)

(A) **MAXI** = Condensing unit **MAXIBOREAL** = Split system
 (B) **SH** = Semi-hermetic compressor **SC** = Scroll compressor
 (C) **P** = positive range **N** = negative range
 (D) Model
 (E) **A** = Standard **AS** = Oversized **ALN** = Low noise level
 (F) Split system **MAXIBOREAL** > unit coolers: **NTA** = dual-discharge (NTA) **NOVA** = cubic (NOVA)

The MAXIBOREAL is available with HFCs.
 Please contact us to choose the right
 combination of unit/cooler for the
 refrigerant and the application.

MAXIBOREAL SH ...

Power (1)	R404A	kW
Power consumption (1)	R404A	kW
Current drawn	400V/3/50Hz	A max
Room volume (indicative)		m³

MAXIBOREAL Sc ...

Power (1)	R404A	kW
Power consumption (1)	R404A	kW
Current drawn	400V/3/50Hz	A max
Room volume (indicative)		m³

MAXIBOREAL SH ...

Power (1)	R404A	kW
Power consumption (1)	R404A	kW
Current drawn	400V/3/50Hz	A max
Room volume (indicative)		m³

MAXIBOREAL Sc ...

Power (1)	R404A	kW
Power consumption (1)	R404A	kW
Current drawn	400V/3/50Hz	A max
Room volume (indicative)		m³

(1) +32 °C - Superheat 10K - Subcool 3K.

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

MAXIBOREAL

ti = +8 °C - DT1 = 10K

P23A NTA M 3R 2-AC GV	P26A NTA M 3R 2-AC GV	P33A NTA M 4R 2-AC GV	P41A NTA M 6R 3-AC GV	P53A NTA M 7R 4-AC GV	P66A NTA M 8R 4-AC GV	P83A NTA M 8R 4-AC GV	-
4,24	5,45	7,27	9,09	11,16	14,46	16,88	-
2,45	3,02	3,31	4,22	5,49	7,43	9,65	-
5,15	7,00	7,80	10,20	13,20	15,20	19,86	-
45	55	75	110	130	200	230	-

P23A NTA M 3R 2-AC GV	P26A NTA M 3R 2-AC GV	P33A NTA M 4R 2-AC GV	P41A NTA M 6R 3-AC GV	P53A NTA M 7R 4-AC GV	P66A NTA M 8R 4-AC GV	P83A NTA M 8R 4-AC GV	P104A 2xNTA M 6R 3-AC GV
4,06	5,33	6,63	9,15	10,69	13,12	14,75	21,07
2,26	2,62	2,94	4,11	5,30	6,39	9,07	11,54
5,20	6,20	7,90	11,40	13,40	14,00	19,96	25,96
45	55	75	110	130	200	230	300

MAXIBOREAL

ti = +6 °C - DT1 = 6K

P23A NOVA 3245R	P26A NOVA 3343R	P33A NOVA 3344R	P41A NOVA 4263R	P53A NOVA 4264R	P66A NOVA 4265R	P83A NOVA 4364R	-
4,51	5,81	7,74	9,70	11,88	15,40	17,98	-
2,63	3,37	3,66	4,78	6,23	8,34	11,15	-
5,15	7,00	7,80	10,20	13,20	15,20	19,86	-
45	75	100	130	170	210	270	-

P23A NOVA 3245R	P26A NOVA 3343R	P33A NOVA 3344R	P41A NOVA 4263R	P53A NOVA 4264R	P66A NOVA 4265R	P83A NOVA 4364R	P104A NOVA 4366R
4,32	5,67	7,06	9,76	11,39	13,99	15,69	22,36
2,38	2,90	3,22	4,59	5,96	7,16	10,43	12,80
5,20	6,20	7,90	11,40	13,40	14,00	19,96	25,96
45	75	100	130	170	210	270	360

All the information on the unit coolers can be found in the **NTA** and **NOVA** documentation

MAXIBOREAL^(A) SH^(B) P^(C) 23^(D) A^(E) NOVA 3156L^(F)

(A) **MAXI** = Condensing unit **MAXIBOREAL** = Split system
 (B) **SH** = Semi-hermetic compressor **SC** = Scroll compressor
 (C) **P** = positive range **N** = negative range
 (D) Model
 (E) **A** = Standard **AS** = Oversized **ALN** = Low noise level
 (F) Split system **MAXIBOREAL** > unit coolers: **NTA** = dual-discharge (NTA) **NOVA** = cubic (NOVA)

The MAXIBOREAL is available with HFCs.
Please contact us to choose the right
combination of unit/cooler for the
refrigerant and the application.

MAXIBOREAL SH ...

Power (1)	R404A	kW
Power consumption (1)	R404A	kW
Current drawn	400V/3/50Hz	A max
Room volume (indicative)		m³

MAXIBOREAL Sc ...

Power (1)	R404A	kW
Power consumption (1)	R404A	kW
Current drawn	400V/3/50Hz	A max
Room volume (indicative)		m³

MAXIBOREAL SH ...

Power (1)	R404A	kW
Power consumption (1)	R404A	kW
Current drawn	400V/3/50Hz	A max
Room volume (indicative)		m³

MAXIBOREAL Sc ...

Power (1)	R404A	kW
Power consumption (1)	R404A	kW
Current drawn	400V/3/50Hz	A max
Room volume (indicative)		m³

(1) +32 °C - Superheat 10K - Subcool 3K.

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

MAXIBOREAL

ti = +2 °C - DT1 = 8K

P23A NOVA 3156L	P26A NOVA 3244L	P33A NOVA 3343L	P41A NOVA 3344L	P53A NOVA 4263L	P66A NOVA 4263L	P83A NOVA 4264L	-
3,73	4,79	6,36	7,91	9,81	12,63	14,82	-
2,38	2,93	3,35	4,13	5,61	7,36	9,62	-
5,15	7,00	7,80	10,20	13,20	15,20	19,86	-
35	40	55	70	85	120	140	-

P23A NOVA 3156L	P26A NOVA 3244L	P33A NOVA 3343L	P41A NOVA 3344L	P53A NOVA 4263L	P66A NOVA 4263L	P83A NOVA 4264L	P104A NOVA 4266L
3,56	4,67	5,8	7,98	9,4	11,51	12,99	18,61
2,32	2,66	3,12	4,18	5,58	6,60	9,33	12,20
5,20	6,20	7,90	11,40	13,40	14,00	19,96	25,96
35	40	55	70	85	120	140	180

MAXIBOREAL

ti = 0 °C - DT1 = 8K

P23A NOVA 3155R	P26A NOVA 3243R	P33A NOVA 3343R	P41A NOVA 3344R	P53A NOVA 4263R	P66A NOVA 4263R	P83A NOVA 4264R	-
3,49	4,47	5,93	7,37	9,16	11,77	13,82	-
2,3	2,83	3,25	4,01	5,45	7,15	9,37	-
5,15	7,00	7,80	10,20	13,20	15,20	19,86	-
25	35	50	65	75	110	130	-

P23A NOVA 3155R	P26A NOVA 3243R	P33A NOVA 3343R	P41A NOVA 3344R	P53A NOVA 4263R	P66A NOVA 4263R	P83A NOVA 4264R	P104A NOVA 4265R
3,32	4,37	5,41	7,44	8,78	10,72	12,17	17,46
2,31	2,63	3,09	4,15	5,51	6,55	9,22	11,47
5,20	6,20	7,90	11,40	13,40	14,00	19,96	25,96
25	35	50	65	75	110	130	170

All the information on the unit coolers can be found in the **NTA** and **NOVA** documentation

MAXIBOREAL_(A) SH_(B) N_(C) 24_(D) A_(E) NOVA 3155C_(F)

(A) **MAXI** = Condensing unit **MAXIBOREAL** = Split system
(B) **SH** = Semi-hermetic compressor **SC** = Scroll compressor
(C) **P** = positive range **N** = negative range
(D) Model
(E) **A** = Standard **AS** = Oversized **ALN** = Low noise level
(F) Split system **MAXIBOREAL** > unit coolers: **NTA** = dual-discharge (NTA) **NOVA** = cubic (NOVA)

The MAXIBOREAL is available with HFCs.
Please contact us to choose the right
combination of unit/cooler for the
refrigerant and the application.

MAXIBOREAL SH ...			MAXIBOREAL					ti = -20 °C - DT1 = 7K	
			N24A NOVA 3155C	N34A NOVA 3156C	N42A NOVA 3245C	N73A NOVA 4263C	-		
Power (1)	R404A	kW	2,63	3,62	4,67	6,63	-		
Power consumption (1)	R404A	kW	2,45	3,42	4,26	6,24	-		
Current drawn	400V/3/50Hz	A max	7,35	10,40	11,60	18,30	-		
Room volume (indicative)		m³	25	40	65	120	-		

MAXIBOREAL Sc ...			-	N34A NOVA 3156C	N42A NOVA 3245C	N73A NOVA 4263C	N84A NOVA 4263C		
Power (1)	R404A	kW	-	2,49	4,19	6,2	8,53		
Power consumption (1)	R404A	kW	-	2,4	3,88	6,42	8,66		
Current drawn	400V/3/50Hz	A max	-	8,20	11,90	19,40	25,00		
Room volume (indicative)		m³	-	40	65	120	200		

(1) +32 °C - Superheat 10K - Subcool 3K.

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

All the information on the unit coolers can be found in the **NTA** and **NOVA** documentation