

FRIGA-BOHN

MONOHAVANE

Condensing unit



HFC



|||| MT 13 - 72 kW
|||| LT 4 - 22 kW



- # **Easy installation:** the Monohavane condensing unit is ready to install and is supplied with a factory pre-wired control cabinet.
- # **Modular version:** to best meet the needs of your application, you can upgrade the standard version and choose a low noise level (LN) or also opt for an S+ (oversized) condenser for high ambient temperatures.

CASING

- # Sheet metal frame and white pre-painted casing.
- # Optimized for outdoor installation on the ground or on a roof.

OPTION

- | | |
|------------|----------------------------------|
| GPC | Condenser protection grille. |
| ANM | Handling rings (kit to install). |

ELECTRICAL BOX

- # Waterproof with disconnect switch on the side and "power" indicator.
- # Unit outputs and protection designed to receive as many cooling station outputs as necessary.
- # Closure of the box by 1/4 turn screw.

REGULATION AND SAFETY

- # LP control provided by an adjustable LP pressure switch.
- # HP control provided by adjustable HP pressure switches.
- # HP safety provided by 1 or 2 HP cartridge pressure switches with automatic reset. (according to standard EN 378-2: 2009).
- # Oil differential pressure switch.

OPTION

- | | |
|------------|---------------------------|
| BAC | Liquid separator. |
| BPS | LP safety pressure switch |
| MAN | HP and LP pressure gages. |

COMPRESSOR

- # Noise insulation of the compressor compartment in low noise level version.
- # Semi-hermetic reciprocating compressor from 7.5 to 50 hp with suction and delivery valves, crankcase heater and cylinder head blower in negative application.



CONDENSER

- # Choice of condenser: A (standard) or AS and AS+ (oversized).
The oversized condenser of the AS version allows installation in high ambient temperatures, up to +42 °C, and up to +45 °C on consultation.
- # The ALN low noise level version is ideal for urban areas.
- # From 2 to 4 fans with elbow protection by housing.



LIQUID RECEIVER AND LINE

- # Receiver equipped with valves and a safety valve.
- # Liquid line consisting of a cartridge filter dryer, a hygroscopic indicator and a service valve.

OPTION

RLS	Oversized receiver.
SHU	Oil separator.
VFA	Valve + filter on suction.
EVL	Solenoid valve (kit to install).

MAINTENANCE

- # Easily removable side maintenance panels for easy access to all components.
- # The door can be placed in hood position to facilitate work on the electrical cabinet.



MONOHV P^(A)75^(B)AS^(C)

(A) P = positive range N = negative range

(B) Model

(C) A = Standard AS = Oversized AS+ = Oversized plus

ALN = Low noise level

The MONOHAVANE is available with HFCs. For precise selection, please consult our software.

			MONOHAVANE			
MONOHV P...			A	AS	AS+	ALN
Power (1)	R449A	kW	15,6 > 69,8	14,0 > 63,2	13,4 > 44,1	15,6 > 48,5
Power consumption*	R449A	kW	8,1 > 35,5	8,5 > 36,7	8,6 > 26,0	7,1 > 21,6
Current drawn		A max.	19,8 > 99,8	19,8 > 99,8	19,8 > 70,0	18,3 > 60,4
Acoustics (2)		dB(A)	-	-	-	39 > 50
Fan	Nb x Ø	mm	2x 500 > 2x 910	2x 500 > 2x 910	2x 500 > 2x 910	2x 630 > 2x 800
Airflow		m ³ /h	15000 > 45000	10630 > 42620	10630 > 42620	6060 > 21776
Liquid capacity		l.	21 > 50	21 > 50	21 > 50	21 > 50
Net weight		kg	480 > 980	500 > 1100	500 > 1090	530 > 1030

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

AS: Evaporating temperature -10 °C / Ambient temperature +42 °C - Superheat: 10K - Subcool: 3K.

AS+: Evaporating temperature -10 °C / Ambient temperature +44 °C - Superheat: 10K - Subcool: 3K.

ALN: Evaporating temperature -10 °C / Ambient temperature +32 °C - Superheat: 10K - Subcool: 3K.

(2) Lp at 10 m: Sound pressure in dB(A) measured at 10 m, in a free field over a reflecting plane, in accordance with standard EN 13487 (parallelepiped reference surface).

			MONOHAVANE			
MONOHV N...			A	AS	AS+	ALN
Power (1)	R449A	kW	5,2 > 20,5	3,4 > 14,3	3,2 > 13,9	4,8 > 20,7
Power consumption*	R449A	kW	4,9 > 19,4	4,8 > 20,3	4,8 > 19,6	3,7 > 16,5
Current drawn		A max.	15,5 > 63,0	15,5 > 66,4	15,5 > 68,2	17,8 > 80,3
Acoustics (2)		dB(A)	-	-	-	42 > 51
Fan	Nb x Ø	mm	2x 500 > 2x 630	2x 500 > 3x 630	2x 500 > 2x 910	2x 500 > 2x 800
Airflow		m ³ /h	11948 > 21300	11948 > 31950	10630 > 42620	4066 > 16247
Liquid capacity		l.	21 > 40	21 > 50	21 > 50	21 > 50
Net weight		kg	520 > 700	520 > 840	540 > 980	550 > 980

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

AS: Evaporating temperature -35 °C / Ambient temperature +42 °C - Superheat: 10K - Subcool: 3K.

AS+: Evaporating temperature -35 °C / Ambient temperature +44 °C - Superheat: 10K - Subcool: 3K.

ALN: Evaporating temperature -35 °C / Ambient temperature +32 °C - Superheat: 10K - Subcool: 3K.

(2) Lp at 10 m: Sound pressure in dB(A) measured at 10 m, in a free field over a reflecting plane, in accordance with standard EN 13487 (parallelepiped reference surface).