

FRIGA-BOHN

MONOTOP

Compact ceiling refrigeration monoblock



HFC



|||| MT 1340 - 3580 W
|||| LT 950 - 2220 W



- # "Plug & Play" unit, refrigerant pre-charged and factory pre-set for **easy installation**.
- # **Easy maintenance**; accessibility to all components.
- # "Ceiling" type design that allows for **optimal air distribution** and **storage area optimization**.
- # The integration of a thermostatic expansion valve and hot gas defrosting of the coil and the condensate pan helps to **save energy**.

COMPRESSOR

- # Hermetic compressor.
- # Available with R449A refrigerants (positive range) and R452A (negative range).

REFRIGERATION CIRCUIT

- # Thermostatic expansion valve.
- # LP and HP pressure switches.
- # Filter dryer.
- # Condensation control by pressure switch.
- # Condenser clogged alert sensor.

REMOTE ELECTRONIC CONTROLLER

- 1 Fan indicator light.
- 2 Defrost indicator light.
- 3 Rapid cooling mode indicator light.
- 4 Alarm indicator light.
- 5 Max. temp. and rapid cooling key.
- 6 Min. temp. key.
- 7 Compressor indicator light.
- 8 Digital screen.
- 9 Defrost key.
- 10 Chamber lighting key.
- 11 On/off button.
- 12 Setpoint temp. and parameter confirmation key.



DEFROST

- # Hot gas defrosting of coil and drain pan.
- # Evaporation of defrost water.

OTHER COMPONENTS

- # Voltage protector.
- # Cable with plug (2.5 m), light and door microswitch.
- # Waterproof ceiling light.
- # Multifunction electronic control with remote control (5 m).
- # Evaporation chamber injected with foam, fully hermetic.



MONOTO_(A) P_(B) 07_(C)

(A) **MONOTO** = Compact ceiling refrigeration monoblock

(B) **P** = positive range with **R449A**

N = negative range with **R452A**

(C) Model

		MONOTOP (R449A)				MONOTON (R452A)				
		07	08	13	21	14	18	20	26	
Cooling capacity ⁽¹⁾	W	1339	1785	2101	3579	950	1200	1341	2218	
Hermetic compressor	CV	3/4	1	1 1/2	2	1	1 1/4	1 3/4	2 1/2	
	Power consumption	kW	0,5	0,7	1,1	1,5	0,7	0,9	1,3	1,8
Standard chamber volume ⁽²⁾	m³	12	18	29	45	6	11	15	27	
Chamber volume without precise data ⁽³⁾	m³	9	14	21	37	4	8	10	19	
Airflow	Condenser	m³/h	1100	1920	1920	2270	1100	1920	1920	2270
	Unit cooler	m³/h	1100	2200	2200	3300	1100	2200	2200	3300
Max. input current	230V/1/50Hz ⁽⁴⁾	A	6,9	7,9	-	-	6,4	8,4	-	-
	400V/3/50Hz ⁽⁴⁾	A	-	-	4,9	7,5	-	-	4,6	7,3
Dimensions	A	mm	400	500	500	500	400	500	500	500
	B	mm	695	950	950	950	695	950	950	950
	C	mm	975	1180	1180	1180	975	1180	1180	1180
Panel cut-out	Height	mm	615	865	865	865	615	865	865	865
	Width	mm	405	405	405	405	405	405	405	405
Net weight	kg	90	110	115	140	90	115	120	140	

(1) Cooling capacity: 10K superheating - 3K subcooling

MONOTOP: chamber temperature 0 °C / outside temperature +32 °C - **MONOTON**: chamber temperature -20 °C / outside temperature +32 °C

(2) Standard: Insulation 100 mm for refrigerated and 120 mm for frozen (including floor); load density 250 kg/m³; movement of goods 10%; ambient temperature 32 °C; maximum temperature of incoming goods 25 °C for refrigerated and -15 °C for frozen; specific heat of the goods 3.2 kJ/kg-K frozen; compressor operating hours 18 h/day.

(3) Recommended volume for cases where there is no starting data for the calculation, when for example conditions are more extreme than standard: low thermal insulation capacity of the chamber, uninsulated floor, high outside temperature, destination and use of the chamber in non-standard conditions, etc.

(4) Also available in 60 Hz version. Contact us for more information.

Outside temperature limit: 43 °C. If the temperature is higher, contact us. With fruit and vegetables, multiply the power of the unit by 0.65; or contact us.

