



 **AIR CONDITIONING PRODUCT LINE**

The FSCH "FriconUSA Small Size Chillers" are built with the highest quality components, using semi-hermetic Bitzer or Carlyle compressors in capacities from 3 to 6 TR. The high quality and efficiency of our products allows us to guarantee the end user a highly reliable operation, low energy consumption and long operating life.

The most common applications are for oil cooling systems in plastic processes such as injection molding, extrusion and blow molding, laser cutting, medical equipment, chemical processing, industrial laundry, etc.

Operation Range:

Ambient Temperature: +110°F (+43.3°C) to +20°F (-6.7°C)

Fluid Output Temperature: "H" High/Medium: +55°F (+13.0°C) a +15°F (-9.4°C)

STANDARD FEATURES AND BENEFITS:

- Bitzer Ecoline Semi-Hermetic Compressor.
- Aluminum structure and galvanized steel base, high efficiency condenser with strong structure, copper tube coil and aluminum fin, less weight and size; reduce transport costs, assembly and construction.
- Enclosure designed for outdoor use.
- EcoFriendly; Direct Expansion (DX) brazed plate Evaporator with reduced internal volume requires less refrigerant charge.
- Wide range of applications for water or glycol cooling.
- Quiet, high efficiency external rotor fan AC type (2 velocities for 6 TR model)
- Built-in electric control and power panel for compressor(s) and condenser fan(s).
- Electronic temperature control.
- Liquid solenoid.
- Replaceable liquid dryer filter.
- Refrigerant: R-407c
- Control 230 volt / 1 phase / 60 HZ
- 2 year warranty.

OPTIONAL

- Variable capacity Control "CR11" between 10 and 100 % (only for 5 -6 TR).
- Variable speed VFD in the compressor for greater temperature precision and energy savings.
- Suction pressure regulator valve "EPR" required for applications with a water temperature range between +44°F a +39°F (+6.7°C a +4°C).
- Variable speed EC type condenser fan.
- E -coat finishing on the condenser.
- Buffer tank and recirculation pump.
- Specially constructed pump and other stainless steel components to pre-cool the water supply for ice makers (Flake Ice "FFIM" or cylindrical "FCIM ") or for food process applications.

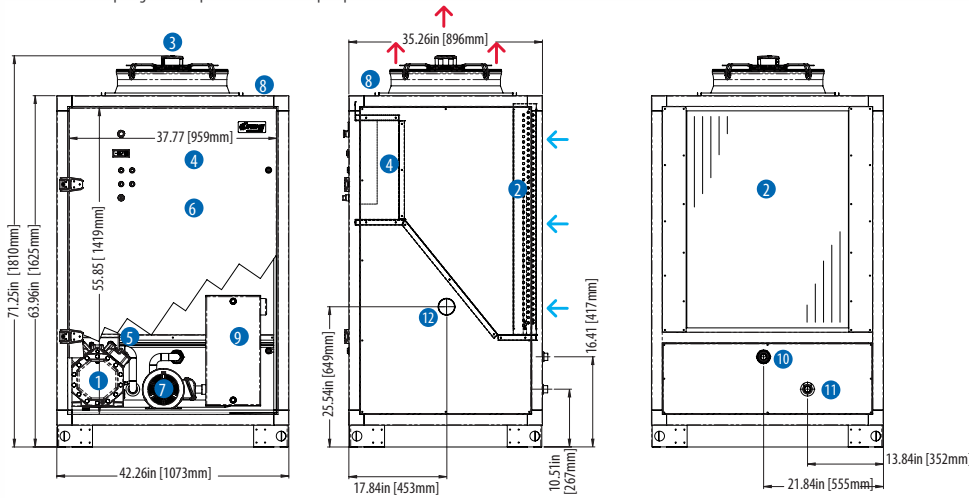


TECHNICAL DATA

APPLICATION "H" HIGH/MEDIUM FLUID OUTPUT TEMPERATURE RANGE: +55°F (+13.0°C) TO +15°F (-9.4°C)

MODEL		COMPRESSOR		FAN		EVAPORATION CAPACITIES MBH IN 95°F ENVIRONMENT								ELECTRICAL DATA 60HZ				MECHANICAL DATA										
		QTY	BITZER	QTY	AC TYPE	WATER (OUTPUT TEMP.)				PROPYLENE GLYCOL (OUTPUT TEMP.)				230 VOLT		460 VOLT		BUFFER TANK AND RECIRCULATION PUMP				REFRIGERANT CHARGE		APROX. WEIGHT				
UNIT	TR					MODEL	CFM	+55°F	+49°F	+44°F	+38°F	+32°F	+26°F	+21°F	+15°F	RLA COMP.	SYSTEM MCA*	RLA COMP.	SYSTEM MCA*	HP	DISCHARGE PRESSURE	FLOW		BUFFER TANK		LB	(KG)	LB
						+13.0°C	+9.7°C	+6.5°C	+3.2°C	0°C	-3.1°C	-6.3°C	-9.4°C							GPM	LPH	In/Out	Gal	(Lt)		(KG)		(KG)
0035-H	3	1	2DE-3	1	3560	45.9	42.0	38.6	35.3	31.9	29.0	26.0	23.3	15.3	25.1	7.2	12.0	1	20.2	8.4	1.9	1"	14.4	(55)	8	(3.6)	600	(273)
0040-H	4	1	2CE-4	1	3305	58.9	54.3	49.5	44.9	40.6	36.9	32.9	29.4	18.2	24.7	8.1	13.1	1	18.4	10.9	2.5	1"	14.4	(55)	8.5	(3.9)	630	(286)
0050-H	5	1	4FE-5	1	3305	62.2	56.6	51.9	47.0	42.8	38.4	34.3	30.6	24.2	32.2	13.1	19.4	1	18.8	11.3	2.6	1"	14.4	(55)	11.2	(5.0)	640	(291)
0060-H	6	1	4EE-6	1	4945	79.0	72.7	66.0	59.7	54.3	48.8	43.6	38.8	28.1	42.8	13.4	20.6	1	18.5	14.5	3.3	1"	14.4	(55)	13	(5.9)	680	(309)

*MCA includes the amperage of the optional recirculation pump.



1. Compressor
2. Condenser Coil
3. Fan
4. Electric and Control Panel
5. Brazed Plate Evaporator
6. Access Doors
7. Water Pump
8. Electrical Connection
9. Water tank with level column
10. Connection - Output Water
11. Connection - Water Return
12. Connection - ventilation tube

NOMENCLATURE

