

CH 50-480

Air Cooled Chillers

1 x scroll compressor, 1 x refrigerant circuit

Cooling capacity: 6.6 to 57 kW

Benefits:

- **Flexible functioning:** ambient air temperatures up to +40°C
- **Reduced energy absorption and lower noise levels:** scroll compressors
- **High efficient heat exchange:** stainless steel brazed plate evaporator
- **Optimal flow:** internal water circulation pump
- **Temperature stability and low thermal dispersion:** internal galvanized and insulated tank
- **Eco-compatible:** green refrigerant R407C



The CH Series of portable chillers provide low temperature water independent from any ambient condition.

The range, designed for application in all the industrial sectors, assures maximum flexibility and energy efficient functioning.

Safe functioning: high and low pressure switches, high and low pressure gauges, metal filters on condensers, flow switch. The **microprocessor control** displaying key water temperature and alarms.

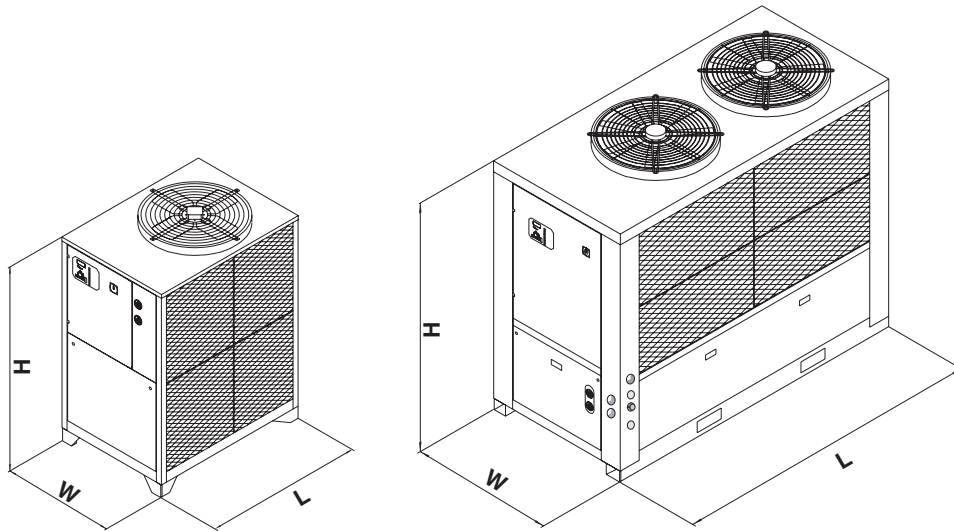
Quick start-up operations.

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Optional features:

- Outdoor installation versions
- Stainless steel tank
- High pressure stainless steel pump
- Automatic water by-pass valve
- Hot gas by-pass for extremely precise water temperature
- Mechanical water filter



TECHNICAL DATA		CH 50	CH 90	CH 180	CH 280	CH 380	CH 480
Cooling capacity T in/out 20-15°C - T amb 25°C	kcal/h kW	5,700 6.6	8,800 10.2	18,900 22.0	32,300 37.6	40,800 47.4	49,000 57.0
Nominal compressor Absorbed power	kW	1.3	2.2	4.2	8.0	9.9	11.9
Standard pump	m3/h	1.2 / 4.8	1.2 / 4.8	1.2 / 4.8	3.6 / 6.0	3.6 / 7.2	4.8 / 9.6
	bar kW	3.0 / 2.2 0.55	3.0 / 2.2 0.55	4.5 / 2.8 0.90	3.6 / 3.0 1.10	4.6 / 3.7 1.55	4.0 / 3.3 1.85
High pressure pump	m3/h	1.2 / 8.4	1.2 / 8.4	1.2 / 8.4	1.2 / 12.0	1.2 / 12.0	1.2 / 12.0
	bar kW	6.0 / 4.1 1.85	6.0 / 4.1 1.85	6.0 / 4.1 1.85	6.1 / 4.6 3.00	6.1 / 4.6 3.00	6.1 / 4.6 3.00
Total installed power (standard pump)	kW	3.3	4.4	8.8	14.5	18.8	22.7
Total installed power (high pressure pump)	kW	5.1	6.2	10.1	17.3	21.1	24.5
Tank capacity	dm3	70	70	100	100	150	150
Weight	kg.	230	240	295	370	460	500
Water connections Threaded (in/out)	Inch	3/4 Female		1 Female		1 1/4 Female	
Dimensions W x L x H	mm	677x1007 x1500	677x1007 x1500	885x1220 x1715	885x1220 x1715	886x1409 x2010	886x1409 x2010

The data refer to the following conditions: R407C refrigerant; 15°C outlet water temperature; 25°C ambient air temperature; 400V/3/50Hz.