

AIR-COOLED WATER CHILLERS

Series AIC SMALL

High Efficiency Air-cooled water chillers ranging from 12 kW up to 38 kW cooling capacity.

The Series is designed to run any water temperature from +5°C up to +25°C and chillers are fully equipped with pressurized water tank and high performance water pump.

Some main technical specifications are:

- Units equipped with Rotary or Scroll compressor
- Each unit is fully equipped with pressure switches and pressure indicators
- Evaporator in brazed stainless steel
- Fully insulated and pressurized water tank
- Axial or centrifugal fans as an option
- Air filter to protect condenser
- Stainless steel water pump
- Frames and panels galvanized and painted with high temperature powder
- Automatic water filling
- Microprocessor control with historical alarms



OPTIONS

- Version for hot climate
- Brushless motor for axial fans
- Special water pump on request
- Different voltages are available
- Free cooling

CHILLWER

AIC SMALL	Model	12P	14P	20P	23P	28P	33P	38P
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Refrigerant: R410A

Cooling capacity (1)	kW	12,3	13,7	19,6	23,1	27,8	32,9	37,9
Compressors total running power (1)	kW	2,2	2,5	3,7	4,4	5,7	6,3	7,4
COP (1)		5,6	5,5	5,3	5,3	4,9	5,2	5,1

Scroll Compressors

Compressors	no.	1	1	1	1	1	1	1
Refrigeration circuits	n°	1	1	1	1	1	1	1
Cooling capacity steps	%	1	1	1	1	1	1	1

Axial fans

Quantity	n°	1	1	1	2	2	2	2
Total air flow	m3/h	5500	5500	5500	10000	10000	10000	10000
Power	kW	0,2	0,2	0,2	0,4	0,4	0,4	0,4

Centrifugal fans

Quantity	n°	1	1	1	2	2	2	2
Total air flow	m3/h	5500	5500	5500	10000	10000	10000	10000
Power	kW	1,1	1,1	1,1	2,2	2,2	2,2	2,2

Hydronic Section

Pipe connections	"	1"	1"	1"	1"1/2	1"1/2	1"1/2	1"1/2
Water tank volume	l	40	40	40	60	60	60	60
Pump power	kW	0,75	0,75	0,90	0,90	1,10	1,10	1,50
Water-flow range	l/min	20 ÷ 80	20 ÷ 80	20 ÷ 80	20 ÷ 80	40 ÷ 150	40 ÷ 150	40 ÷ 150
Pressure range	bar	3,8 ÷ 2,7	3,8 ÷ 2,7	4,4 ÷ 3,0	4,4 ÷ 3,0	4,2 ÷ 3,0	4,2 ÷ 3,0	5,1 ÷ 3,7

Dimensions and Weight

Length	mm	1.100	1.100	1.100	1.600	1.600	1.600	1.600
Width	mm	700	700	700	700	700	700	700
Height	mm	1.850	1.850	1.850	1.850	1.850	1.850	1.850
Net weight	kg	120	128	133	193	221	236	254

(1) Environmental air temperature 25°C and leaving water temperature 15°C
Given data refer to 400 V/3 phases/50 Hz



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Manufacturer reserve the right to change specifications without notice.