

AIR-COOLED WATER CHILLERS

Series AIC MEDIUM

High Efficiency Air-cooled water chillers ranging from 40 kW up to 330 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.

- Models with single refrigeration circuit are equipped as standard with 2 cooling capacity regulation steps
- Models with double refrigeration circuits are equipped with 4 cooling capacity regulation steps
- Scroll compressors
- Each unit is fully equipped with pressure switches and pressure indicators
- Evaporator in brazed stainless steel
- Electronic expansion valve
- Fully insulated and pressurized water tank
- Axial or centrifugal fans as an option
- Air filters to protect condensers
- High pressure stainless steel water pump
- Frames and panels are galvanized and painted with high temperature powder
- Automatic water filling
- Remote control panel standard included
- Microprocessor control with historical alarms

OPTIONS

Version for hot climate
Brushless motor for axial fans
Special water pump on request
Stand-by pump
Primary/Users pump on request
Shell and tube version
Total or partial heat recovery version
Version with centrifugal fans
Different voltages are available



CHILLWER

AIC MEDIUM Model		AIC 40P	AIC 50P	AIC 60P	AIC 70P	AIC 80P	AIC 90P	AIC 100P	AIC 120P	AIC 150P	AIC 170P	AIC 160P	AIC 180	AIC 200P	AIC 220P	AIC 240P	AIC 270P	AIC 300P	AIC 330P	
Refrigerant: R410A		SINGLE REFRIGERATION CIRCUIT										DOUBLE REFRIGERATION CIRCUIT								
Cooling capacity (1)	kW	40,7	46,1	55,7	65,8	78,2	91,5	101,2	116,3	148,4	171,0	159,4	176,4	201,0	217,8	232,7	271,6	300,6	329,1	
Compressors total running power (1)	kW	6,3	8,0	10,9	11,8	13,1	13,6	16,6	20,3	27,4	29,8	24,7	29,0	35,8	36,9	40,6	45,8	53,8	63,0	
COP (1)		6,4	5,8	5,1	5,6	6,0	6,7	6,1	5,7	5,4	5,7	6,5	6,1	5,6	5,9	5,7	5,9	5,6	5,2	
Scroll Compressors																				
Compressors	n°	2	2	2	2	2	2	2	2	2	2	4	4	4	4	4	4	4	4	
Refrigeration circuits	n°	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	
Cooling capacity steps	n°	2	2	2	2	2	2	2	2	2	2	4	4	4	4	4	4	4	4	
Axial fans																				
Quantity	n°	1	1	1	2	2	2	2	2	2	3	3	3	3	4	4	5	5	5	
Total air flow	m³/h	16000	16000	16000	18000	24000	38000	38000	38000	40000	57000	60000	60000	60000	76000	76000	95000	95000	95000	
Power	kW	1,9	1,9	1,9	0,6	1,2	1,9	1,9	1,9	1,9	1,9	1,9	1,9	1,9	1,9	1,9	1,9	1,9	1,9	
Hydronic Section																				
Pipe connections	inch	2"	2"	2"	2"	2"	2"	2"	2"	2" 1/2	2" 1/2	3"	3"	3"	3"	3"	4"	4"	4"	
Water tank volume	l	150	150	150	200	200	300	300	300	500	500	750	750	750	750	750	750	750	750	
Users pump power	kW	3	3	3	3	3	4	4	4	5,5	5,5	5,5	5,5	7,5	7,5	7,5	7,5	7,5	7,5	
Water-flow range	l/min	100 ÷ 333	100 ÷ 333	100 ÷ 333	100 ÷ 333	100 ÷ 333	100 ÷ 360	100 ÷ 360	100 ÷ 360	200 ÷ 700	200 ÷ 700	200 ÷ 700	200 ÷ 700	400 ÷ 1200	400 ÷ 1200	400 ÷ 1200	400 ÷ 1200	400 ÷ 1200	400 ÷ 1200	
Pressure range	bar	4,2 ÷ 2,8	4,2 ÷ 2,8	4,2 ÷ 2,8	4,2 ÷ 2,8	4,2 ÷ 2,8	5,35 ÷ 3,8	5,35 ÷ 3,9	5,35 ÷ 3,10	4,55 ÷ 3,8	4,55 ÷ 3,8	4,55 ÷ 3,8	4,55 ÷ 3,8	3,9 ÷ 2,6	3,9 ÷ 2,6	3,9 ÷ 2,6	3,9 ÷ 2,6	3,9 ÷ 2,6	3,9 ÷ 2,6	
Dimensions and Weight																				
Lenght	mm	1.600	1.600	1.600	2.700	2.700	3.800	3.800	3.800	3.800	3.800	4.900	4.900	4.900	4.900	4.900	6.000	6.000	6.000	
Width	mm	1.100	1.100	1.100	1.100	1.100	1.100	1.100	1.100	1.100	1.100	1.100	1.100	1.100	1.100	1.100	1.100	1.100	1.100	
Height	mm	1.800	1.800	1.800	1.800	1.800	1.800	1.800	1.800	2.390	2.390	2.390	2.390	2.390	2.390	2.390	2.390	2.390	2.390	
Net weight	kg	780	790	812	900	960	970	990	1.010	1.440	1.450	1.750	1.750	1.790	1.850	1.890	2.006	2.270	2.350	

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



BLAUWER S.p.A
Via G. Marconi, 37/2 - 35020 Brugine (PD) - ITALY
Tel. +39 049 933 6016 - info@blauwer.com
www.blauwer.com

Manufacturer reserve the right to change specifications without notice.