

## Market available small-scale absorption and adsorption chillers up to a cooling capacity of 20 kW

Company, country	Yazaki, Japan	EAW, Germany	Sonnenklima, Germany	Rotartica, Spain	Climatewell, Sweden	SolarNext, Germany	SorTech, Germany	SorTech, Germany	SJTU, China *	InvenSor, Germany
Product name	WFC-SC5 / chillii® WFC 18	Wegracal SE15	suninverse 10	Solar 045	Climatewell 10	chillii® PSC12	ACS 08 / chillii® STC8	ACS 15 / chillii® STC15	SWAC-10	HTC 10 / chillii® ISC10
Technology]	absorption	absorption	absorption	absorption	absorption	absorption	adsorption	adsorption	adsorption	adsorption
Working pair	H <sub>2</sub> O/LiBr	H <sub>2</sub> O/LiBr	H <sub>2</sub> O/LiBr	H <sub>2</sub> O/LiBr	H <sub>2</sub> O/LiCl	NH <sub>3</sub> /H <sub>2</sub> O	H <sub>2</sub> O/Silica gel	H <sub>2</sub> O/Silica gel	H <sub>2</sub> O/Silica gel	H <sub>2</sub> O/Zeolith
Cooling capacity [kW]	17.5	15	10	4.5	10	12	7.5	15	10	10
Hot water temperature [°C]	88 / 83	90 / 80	75 / 65	90 / 85	83 / -	85 / 78	75 / 68	75 / 69	85 / 79	95 / 87
Recooling temperature [°C]	31 / 35	30 / 35	27 / 35	30 / 35	30 / -	24 / 29	27 / 32	27 / 32	30 / 36	32 / 38
Cold water temperature [°C]	12.5 / 7	17 / 11	18 / 15	13 / 10	- / 15	12 / 6	18 / 15	18 / 15	15 / 10	18 / 15
COP	0.70	0.71	0.77	0.67	0.68	0.62	0.56	0.56	0.39	0.50
Dimensions (L x D x H) [m x m x m]	0.60 x 0.80 x 1.77	1.75 x 0.76 x 1.75	1.13 x 0.80 x 1.96	1.09 x 0.76 x 1.15	1.20 x 0.80 x 1.60	0.80 x 0.60 x 2.20	0.79 x 1.06 x 0.94	0.79 x 1.35 x 1.45	1.80 x 1.20 x 1.40	0.65 x 1.30 x 1.65
Weight [kg]	420	660	550	290	875	350	260	510	1,600	370
Web site	www.yazaki-airconditioning.com	www.eaw-energieanlagenbau.de	www.sonnenklima.de	www.rotartica.com	www.climatewell.com	www.solarnext.eu	www.sortech.de	www.sortech.de	www.sjtu.edu.cn	www.invensor.de

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Source: Dr. Uli Jakob, director of the solar cooling department at SolarNext, Germany [www.solarnext.eu](http://www.solarnext.eu)

\*SJTU is the Shanghai Jiao Tong University