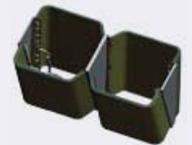


EC Fans



Brazed Plate Heat Exchanger



Condenser Coils



Optiview™ LT Controller
(Verasys™ Compatible)



Suction Accumulator

DC Inverter Scroll

Fixed-speed Scrolls

Model		Amichi™ Series Chiller and Heat Pump										
		0045	0065	0080	0100	0130	0160*	0200*	0230*	0260*		
Performance	Cooling capacity c/o units	kW	44	60	77	99	122	164	189	219	255	
	EER		2.87	2.78	3.08	2.99	2.94	3	3	3	3	
	SEER		4.30	4.21	4.35	4.37	4.33	Meet Ecodesign Regulations				
	η _{s,c}		169	166	171	172	170	Meet Ecodesign Regulations				
	Cooling capacity h/p units	kW	44	60	77	99	122	164	189	219	255	
	Heating capacity h/p units	kW	50	61	88	100	132	167	190	232	256	
	COP		3.03	3.04	3.27	3.18	2.98	3.04	2.99	3.03	2.98	
	SCOP	EER	3.32	3.28	3.39	3.36	3.31	Meet Ecodesign Regulations				
	η _{s,h}		130	128	133	131	129	Meet Ecodesign Regulations				
	Sound power level STD / LN	dB(A)	80/75	82/77	81/77	83/79	84/80	87/81	89/82	91/84	92/85	
Refrigerant	Refrigerant circuits	#	1	1	2	2	2	3	3	4	4	
	Refrigerant (R410A) charge	kg	9.5	12.3	17.6	20.5	22.8	29.5	32	43.3	46	
Compressor	Compressor type	DC scroll inverter + scroll										
	Capacity steps	%	Stepless (inverter)									
	Quantity	#	2	2	3	3	4	5	6	7	8	
Air side heat exchanger	Fan motor type	EC motor										
	Fans quantity	#	1	1	2	2	2	3	3	4	4	
	Working ambient temp. cooling mode	-18 ~ 48°C										
	Working ambient temp. heat. mode	-15 ~ 25°C										
Water side heat exchanger	Type	Plate heat exchanger										
	Unit water volume (w/o pump kit)	l	9	10	11	14	15	27	29	32	34	
	Nominal water flow	l/s	2.1	2.9	3.7	4.7	5.8	7.4	9.1	10.5	11.9	
	Pressure drop	kPa	25	24	23	30	38	23	29	41	38	
	Working range water leaving temp. cooling	-8 ~ 20°C										
	Working range water leaving temp. heating	25 ~ 55°C										
Dimensions & weight	Height (w/o pump kit)	mm	2440						2500			
	Width (w/o pump kit)	mm	1200						3050			
	Depth (w/o pump kit)	mm	1500				2240					
	Operating weight (w/o pump kit)	kg	575	598	875	901	979	1922	2003	2235	2316	

* models with preliminary info.

Chiller: Cooling only units models.

Heat Pump: Air to water heat pump models.

Nominal conditions: Cooling capacities in kW given for 7°C water leaving temperature Δt 5°C and 35°C ambient temperature.

Heating capacities in kW given for 45°C water leaving temperature and 7°C ambient temperature.

Ratings in accordance with EN14511 and EN14825.