

ZETA ECHOS - R410A TECHNICAL DATA

Unit size		3.2	4.2	5.2	6.2	8.2	9.2	10.2
Nominal cooling capacity (*)	kW	40,9	45,9	51,8	60,4	83,5	93,7	104,3
Nominal heating capacity (**)	kW	42,4	48,3	56,8	64,8	85,5	99	114
Compressor								
Quantity/Refrigerant circuits	n°	2/1	2/1	2/1	2/1	2/1	2/1	2/1
Cooling power input (*)	kW	12,2	14,3	17	18,7	23,8	29,2	34,9
Heating power input (**)	kW	12,9	14,9	17,4	19,4	25,9	30,5	34,6
Capacity steps	%	50-100	50-100	50-100	50-100	50-100	50-100	50-100
Fans								
Air flow	m³/s	4,722	4,722	4,167	5,278	7,917	7,917	7,917
No. x installed power	n° x kW	2 x 0,70	2 x 0,70	2 x 0,70	2 x 0,70	3 x 0,70	3 x 0,70	3 x 0,70
Evaporator characteristics								
Pressure drop	kPa	79,3	73,5	76,7	80,4	106,7	82,3	83,3
Hydraulic module characteristics								
Water flow rate	l/s	1,955	2,194	2,482	2,885	3,986	4,477	4,992
Available static pressure ST 2PS version	kPa	113	106	106	152	107	119	101
Storage tank capacity/accumulo	l	200	200	200	200	200	450	450
Expansion vessel	l	5	5	5	18	18	18	18
Noise level (***)								
Basic unit	dB(A)	65,5	66	66	66	68	68	68
LN version	dB(A)	63,5	64	64	64	66	66	66
SLN version	dB(A)	59	60	60,5	61	63	63	64
Power supply	V/ph/Hz	400/3N~/50 ±5%	400/3N~/50 ±5%	400/3N~/50 ±5%	400/3N~/50 ±5%	400/3N~/50 ±5%	400/3N~/50 ±5%	400/3N~/50 ±5%
Dimensions and weight								
Width	mm	1750	1750	1750	2233	3234	3234	3234
Depth	mm	1003	1003	1003	1043	1144	1144	1144
Height	mm	1400	1400	1400	1740	1740	1740	1740
Operating weight	kg	709	720	733	1061	1558	1566	1574

Unit size		12.2	13.2	16.4	18.4	20.4	24.4	26.4
Nominal cooling capacity (*)	kW	117,2	125,4	158,3	188	211,1	231,2	249,8
Nominal heating capacity (**)	kW	129,4	141,7	165,5	202,8	230,2	249,4	273,8
Compressor								
Quantity/Refrigerant circuits	n°	2/1	2/1	4/2	4/2	4/2	4/2	4/2
Cooling power input (*)	kW	36,8	41,7	51,7	57,4	67,3	75,3	85,5
Heating power input (**)	kW	38,7	42,3	51,7	61,1	69,3	77,1	84,2
Capacity steps	%	50-100	50-100	25-50-75-100	25-50-75-100	25-50-75-100	25-50-75-100	25-50-75-100
Fans								
Air flow	m³/s	10,000	10,000	11,111	16,667	16,667	19,444	19,444
No. x installed power	n x kW	2 x 2,00	2 x 2,00	2 x 2,00	3 x 2,00	3 x 2,00	4 x 4,00	4 x 4,00
Evaporator characteristics								
Pressure drop	kPa	94,5	97,8	129,6	107,3	115,3	135,7	138,2
Hydraulic module characteristics								
Water flow rate	l/s	5,603	6,009	7,580	8,979	10,104	11,071	11,916
Available static pressure ST 2PS version	kPa	124	116	128	126	95	157	149
Storage tank capacity/accumulo	l	450	450	340	700	700	700	700
Expansion vessel	l	18	18	18	18	18	18	18
Noise level (***)								
Basic unit	dB(A)	69	69	71,5	72	73	73,5	73,5
LN version	dB(A)	67	67	69,5	70	71	71,5	71,5
SLN version	dB(A)	64	64,5	67,5	67,5	68,5	69	69,5
Power supply	V/ph/Hz	400/3N~/50 ±5%	400/3N~/50 ±5%	400/3~/50 ±5%	400/3~/50 ±5%	400/3~/50 ±5%	400/3~/50 ±5%	400/3~/50 ±5%
Dimensions and weight								
Width	mm	3234	3234	3234	5234	5234	5234	5234
Depth	mm	1144	1144	1119	1174	1174	1174	1174
Height	mm	1880	1880	2380	2380	2380	2380	2380
Operating weight	kg	1608	1644	1434	2145	2305	2426	2432

(*) Ambient air temperature 35°C; evaporator inlet/outlet water temperature 12-7°C.

(**) Ambient air temperature 8°C DB, 50% RH; condenser inlet/outlet water temperature 40-45°C.

(***) Sound pressure levels measured in free field conditions at distance of 1 m from the unit, according to ISO 3746.

This datasheet gives the characteristic data of the basic and standard versions of the series; for details refer to the specific documentation