

Chiller, heat pumps and condensing units air/water type ZETA-ECHOS



Technical information manual

Technical information manual ZETA-ECHOS
REF. ZETA-ECHOS-1021000602_09.10/ZETA_ECHOS_2011.DOC

Technical data standard unit

UNIT SIZE			8.2	9.2	10.2	12.2	13.2
Cooling							
Nominal cooling capacity	(1)	kW	83,5	93,7	104	117	125
Total absorbed power in cooling mode	(1),(2)	kW	25,9	31,3	36,9	40,8	45,5
Compressor absorbed power	(1)	kW	24,13	29,53	35,13	36,8	41,5
EER	(1)		3,22	2,99	2,82	2,87	2,75
ESEER			4,99	4,63	4,37	4,45	4,28
Heating							
Nominal heating capacity	(3)	kW	83,9	97	112	127	139
Total absorbed power in heating mode	(2),(3)	kW	27,9	32,6	36,7	42,8	46
Compressor absorbed power	(3)	kW	26,13	30,83	34,93	38,80	42,00
COP	(3)		3,01	2,98	3,05	2,97	3,02
Compressors							
Type					Scroll		
Quantity/Cooling circuits		n° / n°	2 / 1	2 / 1	2 / 1	2 / 1	2 / 1
Capacity steps		n°	0-50-100	0-50-100	0-50-100	0-50-100	0-50-100
Total oil load		kg	6,2	12,4	12,4	12,4	14,2
Total refrigerant load (CH version)		kg	23,2	23,4	23,6	23,7	23,9
Total refrigerant load (/HP version)		kg	25,7	25,8	26	26	26
Fans							
Type					Axial		
Quantity		n°	3	3	3	2	2
Air flow		m3/h	28.500	28.500	28.500	36.000	36.000
Evaporator							
Type					With plates		
Quantity		n°	1	1	1	1	1
Water flow		l/h	14359	16113	17885	20120	21496
Pressure drop		kPa	49,4	50,6	46,0	48,8	45,1
Hydraulic module							
Head ratings	(6)	kPa	123	130	108	124	108
Storage tank capacity	(6)	l	450	450	450	450	450
Expansion vessel		l	18	18	18	18	18
Noise levels							
Noise power level (basic version)	(4)	dB(A)	85	86	86	87	87
Noise pressure level (basic unit)	(5)	dB(A)	53	54	54	55	55
Noise power level (LN version)	(4)	dB(A)	83	84	84	85	85
Noise pressure level (LN version)	(5)	dB(A)	51	52	52	53	53
Noise power level (SLN version)	(4)	dB(A)	80	81	82	82	83
Noise pressure level (SLN version)	(5)	dB(A)	48	49	50	50	51
Basic version dimensions and weights							
Length		mm	3234	3234	3234	3233	3233
Depth		mm	1144	1144	1144	1120	1120
Height		mm	1740	1740	1740	1882	1882
Operating weight		kg	911	920	935	1077	1120