

# TECHNICAL SPECIFICATIONS

## ZETA REV HP XT

			3.2	4.2	5.2	6.2	7.2	8.2	9.2
<b>Cooling (A35°C; W7°C)</b>									
Refrigeration capacity	(1)	kW	37,6	46,6	52,7	61,7	72	80,5	91,2
Total absorbed power	(1)	kW	12,6	15,7	18,0	20,4	24,2	27,2	31,0
EER	(1)		2,99	2,96	2,93	3,02	2,97	2,96	2,94
EER energy class (Eurovent)	(1)		B	B	B	B	B	B	B
ESEER	(7)		3,79	3,68	3,90	3,89	3,89	3,94	3,84
<b>Heating (A7°C/87%; W45°C)</b>									
Heating capacity	(2)	kW	42,2	52,3	57,7	71	80,1	85,7	104,8
Total absorbed power	(2)	kW	12,1	15,0	16,5	20,3	22,9	24,6	30,6
COP	(2)		3,50	3,49	3,50	3,49	3,49	3,49	3,42
COP energy class (Eurovent)	(2)		A	A	A	A	A	A	A
<b>Compressors</b>									
Compressors/Circuits		n°/n°	2/1	2/1	2/1	2/1	2/1	2/1	2/1
Minimum capacity reduction step	(6)	%	50%	50%	50%	50%	50%	50%	50%
Refrigerant charge	(8)	kg	12	18	19	28	28	32	43
Oil charge		kg	4	4	7	7	7	7	7
<b>Fans</b>									
Quantity		n°	2	2	2	3	3	3	2
Total air flow rate		m <sup>3</sup> /h	17.000	19.000	19.000	28.000	28.000	28.000	42.000
<b>User-side heat exchanger</b>									
Quantity		n°	1	1	1	1	1	1	1
Water content		l	4,0	4,0	5,5	5,5	6,0	9,8	9,8
Water flow rate (A35°C; W7°C)	(1)	m <sup>3</sup> /h	6,5	8,0	9,1	10,7	12,4	13,9	15,7
Head loss (A35°C; W7°C)	(1)	kPa	20	29	23	33	34	7	10
Water flow rate (A7°C; W45°C)	(2)	m <sup>3</sup> /h	7,2	9	9,9	12,1	13,7	14,7	18
Head loss (A7°C; W45°C)	(2)	kPa	21	31	24	35	37	8	10
<b>Noise levels</b>									
Sound power level cooling	(3)	dB(A)	81	81	82	82	83	83	84
Sound pressure level cooling	(4)	dB(A)	50	50	51	50	51	51	52
Sound power level heating	(5)	dB(A)	81	81	82	82	83	83	84
Sound power level during cooling LN	(3)	dB(A)	79	79	80	80	81	81	82
Sound pressure level during cooling LN	(4)	dB(A)	48	48	49	48	49	49	50
Sound power level during heating LN	(5)	dB(A)	79	79	80	80	81	81	82
<b>Dimensions and weights**</b>									
Length		mm	1.750	2.200	2.200	3.200	3.200	3.200	3.200
Depth		mm	1.000	1.000	1.000	1.100	1.100	1.100	1.100
Height		mm	1.400	1.740	1.740	1.740	1.740	1.740	2.380
Operating weight		kg	464	639	649	721	731	859	1174

- (1) External air temperature of 35°C and user-side heat exchanger water inlet-outlet temperature of 12-7°C. Values compliant with standard EN 14511
- (2) Outside air temperature 7°C DB, 6°C WB; condenser inlet/outlet water temperature 40/45°C. Values compliant with standard EN 14511
- (3) Unit operating at rated capacity, with no accessories of any kind - external air temperature 35°C and water input/output temperature from/to heat exchanger and user equal to 12/7°C. Values taken by measurements made in accordance with standard ISO 3744 and the Eurovent certification programme, where applicable. Binding values See NOISE LEVELS section.
- (4) Values obtained from the sound power level (conditions: note 3), related to a distance of 10 m from the unit in free field with directivity factor Q=2. Non-binding values See NOISE LEVELS section.
- (5) Unit operating at nominal operating capacity, with no options of any kind, with outside air temperature of 7°C (6°C wb) and input/output water temperature into/from user-side heat exchanger 47/55°C, climate profile "Average", in accordance with regulation 2013/813 and standard EN 14825
- (6) Approximate value. The minimum capacity reached by the unit depends on the operating conditions. The value shown may not be suitable for calculating the minimum volume of water: to do this, consult the "Minimum water content in the system" section.
- (7) Former Eurovent's seasonal efficiency index. Value not certified by Eurovent from 2019. Reference: base unit, without any accessories
- (8) The indicated refrigerant charge is calculated. The refrigerant charge can vary according to different versions/accessories and product updates.
- \*\* Basic unit without included accessories

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			10.4	12.4	14.4	16.4	18.4
<b>Cooling (A35°C; W7°C)</b>							
Refrigeration capacity	(1)	kW	107,3	126,3	145,4	161,4	183,7
Total absorbed power	(1)	kW	36,6	42,3	49,7	56,1	66,3
EER	(1)		2,93	2,99	2,92	2,88	2,77
EER energy class (Eurovent)	(1)		B	B	B	C	C
ESEER	(7)		3,91	3,80	3,79	3,74	3,66
<b>Heating (A7°C/87%; W45°C)</b>							
Heating capacity	(2)	kW	118	145,1	161	174,4	204,4
Total absorbed power	(2)	kW	34,4	42,7	47,6	51,9	61,6
COP	(2)		3,43	3,40	3,38	3,36	3,32
COP energy class (Eurovent)	(2)		A	A	A	A	A
<b>Compressors</b>							
Compressors/Circuits		n°/n°	4/2	4/2	4/2	4/2	4/2
Minimum capacity reduction step	(6)	%	25%	25%	25%	25%	25%
Refrigerant charge	(8)	kg	52	67	68	68	70
Oil charge		kg	14	14	14	14	14
<b>Fans</b>							
Quantity		n°	2	3	3	3	4
Total air flow rate		m <sup>3</sup> /h	42.000	63.000	63.000	63.000	84.000
<b>User-side heat exchanger</b>							
Quantity		n°	1	1	1	1	1
Water content		l	9,4	9,4	11,9	11,9	13,3
Water flow rate (A35°C; W7°C)	(1)	m <sup>3</sup> /h	18,5	21,8	25,1	27,9	31,7
Head loss (A35°C; W7°C)	(1)	kPa	23	33	26	33	35
Water flow rate (A7°C; W45°C)	(2)	m <sup>3</sup> /h	20,2	24,9	27,6	29,9	35
Head loss (A7°C; W45°C)	(2)	kPa	26	36	30	36	39
<b>Noise levels</b>							
Sound power level cooling	(3)	dB(A)	85	85	86	86	87
Sound pressure level cooling	(4)	dB(A)	53	53	54	54	55
Sound power level heating	(5)	dB(A)	85	85	86	86	87
Sound power level during cooling LN	(3)	dB(A)	83	83	84	84	85
Sound pressure level during cooling LN	(4)	dB(A)	51	51	52	52	53
Sound power level during heating LN	(5)	dB(A)	83	83	84	84	85
<b>Dimensions and weights**</b>							
Length		mm	4.200	4.200	4.200	4.200	4.200
Depth		mm	1.100	1.100	1.100	1.100	1.100
Height		mm	2.380	2.380	2.380	2.380	2.380
Operating weight		kg	1615	1743	1780	1772	1793

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