AEROTOP® EVO P

elco heating solutions

Reversible R290 Air Source Heat Pump

Capacity from 40-85 kW



The AEROTOP® EVO P air source heat pump range uses ambient air as a renewable energy source to deliver high-efficiency heating for commercial applications. Featuring R290 natural refrigerant, the range combines a low environmental impact with outstanding seasonal efficiency.

- SCOP up to 4.7.
- R290 natural refrigerant with ultra-low Global Warming Potential (GWP = 3).
- Suitable for harsh climates with operation guaranteed down to -20°C ambient thanks to integrated smart defrosting strategy.
- High-temperature solution (up to 75°C) suitable for most new and retrofit commercial projects.
- In built cascade management and control of up to 16 units, providing up to 1,350 kW of heating capacity as standard.
- Deaerator supplied as standard.
- Built in ATEX protection.

QUIET OPERATION

MODULAR DESIGN

EASY INSTALLATION

INTEGRATED FEATURES

REFRIGERANT CIRCUIT

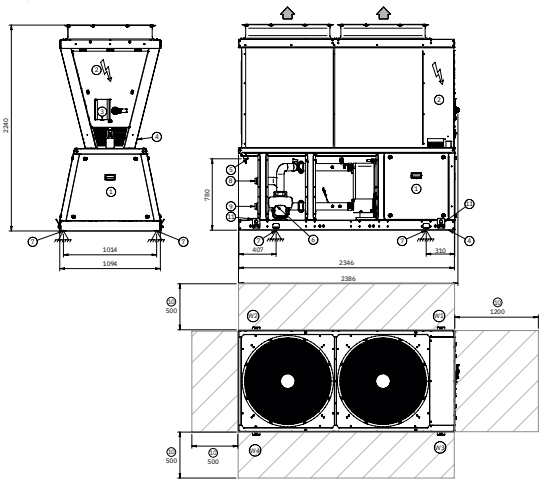


Dimensions

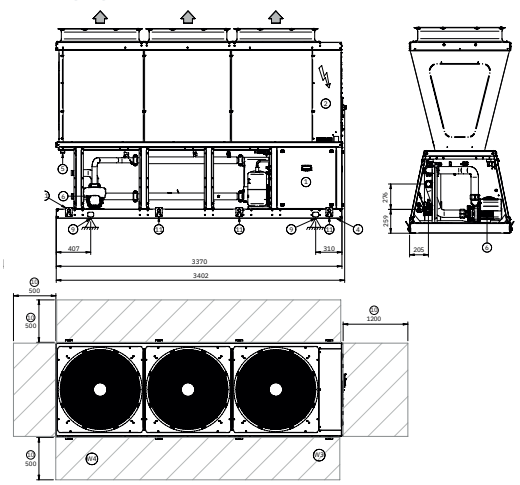
AEROTOP® EVO P (40 - 84 kW)								
Size		**41 kW**	**47 kW**	**50 kW**	**56 kW**	**61 kW**	**70 kW**	**84 kW**
Length	mm	2384	2384	2384	2384	2384	3402	3402
Depth	mm	1094	1094	1094	1094	1094	1094	1094
Height	mm	2240	2240	2240	2240	2240	2240	2240
W1 Support Point	kg	218	218	234	234	234	306	306
W2 Support Point	kg	135	135	142	142	142	199	199
W3 Support Point	kg	222	222	238	238	238	312	312
W4 Support Point	kg	139	139	146	146	146	205	205
Operational weight	kg	714	714	760	760	760	1021	1021
Shipping weight	kg	694	694	740	740	740	1001	1001

The numbers in the table may vary depending on certain accessories.

40 - 61 kW



40 - 61 kW



1. Compressor enclosure
2. Electrical panel
3. Control keypad
4. Power input
5. Condensate drain
6. Water pump
7. Fixing points
8. Water inlet
9. Water outlet
10. Clearances
11. Lifting bracket (removeable)

Technical Data

AEROTOP® EVO P (40 - 84 kW)								
SIZE		**40 kW**	**47 kW**	**50 kW**	**56 kW**	**61 kW**	**70 kW**	**80.4 kW**
HEATING								
Heating capacity (EN 14511:2022) (A7/W35)	kW	40.1	46.8	50.4	55.8	61.0	70.2	84.4
COP (EN 14511:2022)	-	3.92	3.71	3.81	3.78	3.73	3.91	3.74
ErP Space Heating Energy Class - AVERAGE Climate - W35	-	A+++	A+++	A++	A++	A++	A+++	A+++
SCOP - MEDIUM Climate - W35	-	4.51	4.45	4.36	4.29	422	4.70	4.54
s,h - MEDIUM Climate - W35	%	177	175	171	169	166	185	179
COOLING								
Cooling capacity (EN 14511:2022) (A35/W18)	kW	42.6	46.8	55.6	59.7	64.7	79.9	86.1
EER (EN 14511:2022)	-	4.28	3.99	3.66	3.63	3.41	4.23	3.90
Water flow-rate	l/s	2.04	2.24	2.66	2.86	3.09	3.82	4.12
User side exchanger pressure drop	kPa	11.9	14.1	11.7	13.3	15.5	18.8	21.6
HEATING								
Heating capacity (EN 14511:2022) (A7/W45)	kW	39.9	45.2	55.1	61.5	68.5	78.6	85.9
COP (EN 14511:2022)	-	3.11	3.08	3.19	3.13	2.92	3.14	3.01
COOLING								
Cooling capacity (EN 14511:2022) (A35/W7)	kW	34.9	38.5	49.9	54.0	58.2	67.8	72.7
EER (EN 14511:2022)	-	2.84	2.81	2.58	2.46	2.35	2.86	2.64
SEER	-	5.36	5.20	4.73	4.58	4.36	5.47	5.3
s,c	%	211	205	186	180	171	216	209
Water flow-rate	l/s	1.66	1.83	2.37	2.57	2.77	3.22	3.46
User side exchanger pressure drops	kPa	8.27	9.86	9.44	10.9	12.6	13.8	15.7
HEATING								
Heating capacity (EN 14511:2022) (A7/W55)	kW	37.0	42.9	47.4	51.2	55.7	65.9	76.6
COP (EN 14511:2022)	-	2.71	2.57	2.67	2.60	2.55	2.74	2.56
ErP Space Heating Energy Class - AVERAGE Climate - W55	-	A++	A++	A++	A++	A++	A++	A++
SCOP - MEDIUM Climate - W55	-	3.54	3.51	3.51	3.47	3.41	3.63	3.60
s,h - MEDIUM Climate - W55	%	139	137	137	136	133	142	141
HEATING								
Heating capacity (kW) (@A-4, W55)	kW	25.6	29.5	32.9	35.6	38.5	45.8	53.6
SCOP W55	-	3.54	3.51	3.51	3.47	3.41	3.63	3.60

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