

VIADRUS

Power of heating

EcoExpert

Heat pumps

Air heat pumps are a very cheap and simple option for home heating and water heating. Air as a source of heat is virtually inexhaustible. Geothermal heat pumps use stable temperature of ground in a depth of 1,5-120 m as a source of heat. There are two options of realization to be chosen according to conditions: underground wells or ground area collectors. Water heat pumps use renewable energy of underground water. According to our local conditions, water is mostly pumped from a well and after taking heat away, water runs back to another absorbing well. The heat pump connected into a low-temperature central heating takes at least 75% of energy directly from nature. It represents not only modern and high-efficient but also environmental-friendly way of home heating (according to the chosen heating mode) and water heating.

Air heat pumps:

- + easy installation
- + lower input costs without expensive ground works
- + efficient operation up to -25°C
- + quality sound insulation
- + outdoor or indoor installation
- a fall of temperature correspond to lower heat pump output
- necessity of bivalent source

Geothermal heat pumps:

- + stable output all year round
- + possibility of covering 100% of heat source needs
- extensive ground works for ground area collector
- necessity of a building permit for wells drilling

Water heat pumps:

- + stable output all year round
- + high-efficient heating ratio
- + lower costs compared with underground wells
- imperative building permit
- requirement of stable water temperature above 7°C
- need of sufficient water quantity and quality

Output (according to the mode and size):

- 5,3~98,5 kW



Technical parameters

Mode designation EcoExpert	Heat energy source [-]	Place of installation [-]	Working mode [-]	Heating water temp. [°C]	Number of compressors [ks]	Air, brine, water temp. limit [°C]	Heating output A2,(B0), (W10)/W35 [kW]	COP index [-]	Compact version [-]	Dimensions HxDxW [mm]	Dry weight [kg]
AE11	air	outdoor	heating only	<58	1	-25 ~ +35	8,8	3,2	no	1360x1360x850	219
AE16	air	outdoor	heating only	<58	1	-25 ~ +35	12,2	3,2	no	1570x1550x850	264
AE 20	air	outdoor	heating only	<58	2	-25 ~ +35	14,9	3,1	no	1570x1550x850	284
AE 24	air	outdoor	heating only	<58	2	-25 ~ +35	19,2	3,2	no	1710x1680x1000	351
AE 28	air	outdoor	heating only	<58	2	-25 ~ +35	22,3	3,2	no	1710x1680x1000	380
AE 9HE	air	outdoor	heating only	<58	1	-25 ~ +35	7,6	3,8	no	1460x910x750	208
AE 12HE	air	outdoor	heating only	<58	1	-25 ~ +35	9,5	3,8	no	1810x1250x750	280
AE 17HE	air	outdoor	heating only	<58	1	-25 ~ +35	14,7	3,8	no	1940x1600x952	436
AE 25HE	air	outdoor	heating only	<58	2	-25 ~ +35	19,7	3,8	no	1940x1600x952	510
AE 40HE	air	outdoor	heating only	<58	2	-25 ~ +35	29,6	3,9	no	2100x1735x980	585
AE 60HE	air	outdoor	heating only	<58	2	-25 ~ +35	50	3,8	no	2300x1900x1000	915
AER11	air	outdoor	heating/cooling	<58	1	-25 ~ +35	8,8	3,2	no	1360x1360x850	241
AER16	air	outdoor	heating/cooling	<58	1	-25 ~ +35	12,8	3,2	no	1570x1550x850	289
AE 35 HER	air	outdoor	heating/cooling	<58	2	-25 ~ +35	24,2	4	no	2100x1735x980	595
AI9(L)	air	indoor	heating only	<58	1	-25 ~ +35	7,4	3,2	no	1250x750x680	177
AI 11(L)	air	indoor	heating only	<58	1	-25 ~ +35	8,8	3,2	no	1360x880x750	200
AI 16(L)	air	indoor	heating only	<58	1	-25 ~ +35	12,2	3,2	no	1570x880x750	235
AI 20(L)	air	indoor	heating only	<58	2	-25 ~ +35	14,9	3,1	no	1570x880x750	255
AI 24(L)	air	indoor	heating only	<58	2	-25 ~ +35	19,2	3,2	no	1710x1030x750	310
AI 28(L)	air	indoor	heating only	<58	2	-25 ~ +35	22,3	3,2	no	1710x1030x750	314
AI 40	air	indoor	heating only	<58	2	-25 ~ +35	30,4	3,9	no	2100x1735x890	590
AI 8(L)	air	indoor	heating only	<58	1	-25 ~ +35	7,5	3,3	yes	1900x750x880	245
AIK 14MT	air	indoor	heating only	<65	1	-25 ~ +35	10,1	3,6	yes	2100x960x780	365
AI 11R	air	indoor	heating/cooling	<58	1	-25 ~ +35	8,8	3,2	no	1360x880x750	232
AI 16R	air	indoor	heating/cooling	<58	1	-25 ~ +35	12,2	3,2	no	1360x880x750	270
SI 5	geothermal	indoor	heating only	<58	1	-5 ~ +25	5,3	4,3	no	805x650x462	109
SI 7	geothermal	indoor	heating only	<58	1	-5 ~ +25	6,9	4,3	no	805x650x462	111
SI 9	geothermal	indoor	heating only	<58	1	-5 ~ +25	9,2	4,4	no	805x650x462	118
SI 11	geothermal	indoor	heating only	<58	1	-5 ~ +25	11,8	4,4	no	805x650x462	122
SI 14	geothermal	indoor	heating only	<58	1	-5 ~ +25	14,5	4,5	no	805x650x462	130
SI 17	geothermal	indoor	heating only	<58	1	-5 ~ +25	17,1	4,5	no	805x650x462	145
SI 30	geothermal	indoor	heating only	<58	2	-5 ~ +25	31,2	4,6	no	1660x1000x775	365
SI 50	geothermal	indoor	heating only	<58	2	-5 ~ +25	45,8	4,3	no	1890x1350x775	486
SI 75	geothermal	indoor	heating only	<58	2	-5 ~ +25	72,7	4,2	no	1890x1350x775	571
SI 100	geothermal	indoor	heating only	<58	2	-5 ~ +25	92,3	4,4	no	1890x1350x775	652
SIK 7	geothermal	indoor	heating only	<58	1	-5 ~ +25	6,9	4,3	yes	1115x652x688	179
SIK 9	geothermal	indoor	heating only	<58	1	-5 ~ +25	9,2	4,4	yes	1115x652x688	180
SIK 11	geothermal	indoor	heating only	<58	1	-5 ~ +25	11,8	4,4	yes	1115x652x688	191
SIK 14	geothermal	indoor	heating only	<58	1	-5 ~ +25	14,4	4,5	yes	1115x652x688	205
SI 6HT	geothermal	indoor	heating only	<70	1	-5 ~ +25	6,2	4,6	no	805x650x462	118
SI 9HT	geothermal	indoor	heating only	<70	1	-5 ~ +25	9	4,5	no	805x650x462	130
SI 11HT	geothermal	indoor	heating only	<70	1	-5 ~ +25	11,2	4,7	no	805x650x462	133
SI 20HT	geothermal	indoor	heating only	<70	2	-5 ~ +25	21,8	4,7	no	1660x1000x775	307
SI 40HT	geothermal	indoor	heating only	<70	2	-5 ~ +25	36,6	4,4	no	1890x1350x775	502
SIK 6HT	geothermal	indoor	heating only	<70	1	-5 ~ +25	6,4	4,7	yes	1115x652x688	180
SIK 9HT	geothermal	indoor	heating only	<70	1	-5 ~ +25	9,4	4,7	yes	1115x652x688	203
WI 50	water	indoor	heating only	<58	2	+7 ~ +25	49	6,1	no	1660x1000x775	373
WI 100	water	indoor	heating only	<58	2	+7 ~ +25	98,5	5,8	no	1890x1350x775	593

Your dealer