

EcoSeries

Ground-Source Heat Pumps

Model - SI TE 50kw - 130kW

Model number		SI 50TE	SI 75TE	SI 100TE	SI 130TE
Temperature operating limits for heating water		Up to 60°C	Up to 60°C	Up to 60°C	Up to 60°C
Temperature operating limits for brine		-5 °C to 25 °C	-5 °C to 25 °C	-5 °C to 25 °C	-5 °C to 25 °C
Heat output / COP at B0/W50*	kW/-	1 compressor: 18,50 / 2,50 2 compressors: 43,80 / 2,50	1 compressor: 33,30 / 2,80 2 compressors: 69,80 / 2,90	1 compressor: 39,10 / 2,80 2 compressors: 87,90 / 3,10	1 compressor: 51,00 / 2,40 2 compressors: 117,00 / 2,90
Heat output / COP at B0/W35*	kW/-	1 compressor: 23,00 / 4,40 2 compressors: 46,70 / 4,50	1 compressor: 37,60 / 4,30 2 compressors: 75,20 / 4,40	1 compressor: 48,40 / 4,60 2 compressors: 96,30 / 4,60	1 compressor: 63,30 / 4,20 2 compressors: 125,80 / 4,30
Electrical nominal power consumption at B0/W35	kW	10,45	16,95	20,93	29,24
Sound pressure level at a distance of 1m (air outlet side)	db(A)	50	54	55	56
Refrigerant R404A	kg	8,60	12,60	20,50	27,00
Flow rate (heat source) at ext. pressure differential	m ³ /h / Pa	12.8 / 15700	20.5 / 17800	24.0 / 18600	34.0 / 26200
Heating water flow rate with an int. pressure differential of	m ³ /h / Pa	4.50 / 2000	6.50 / 2500	8.50 / 600	11.50/ 2200
Dimensions (W x D x H)**	mm	1350 x 775 x 1890	1350 x 775 x 1890	1350 x 775 x 1890	1350 x 775 x 1890
Weight (incl. packing)	kg	486	571	652	860
Control voltage	V	230	230	230	230
Supply voltage		3/PE~400V, 50Hz	3/PE~400V, 50Hz	3/PE~400V, 50Hz	3/PE~400V, 50Hz
Starting current with soft starter	A	56	105	120	115
Fuse	A	50	63	80	80
Device connections for heating		1 1/2"	2"	2"	2 1/2"
Device connections for heat source		2 1/2"	2 1/2"	3"	3"

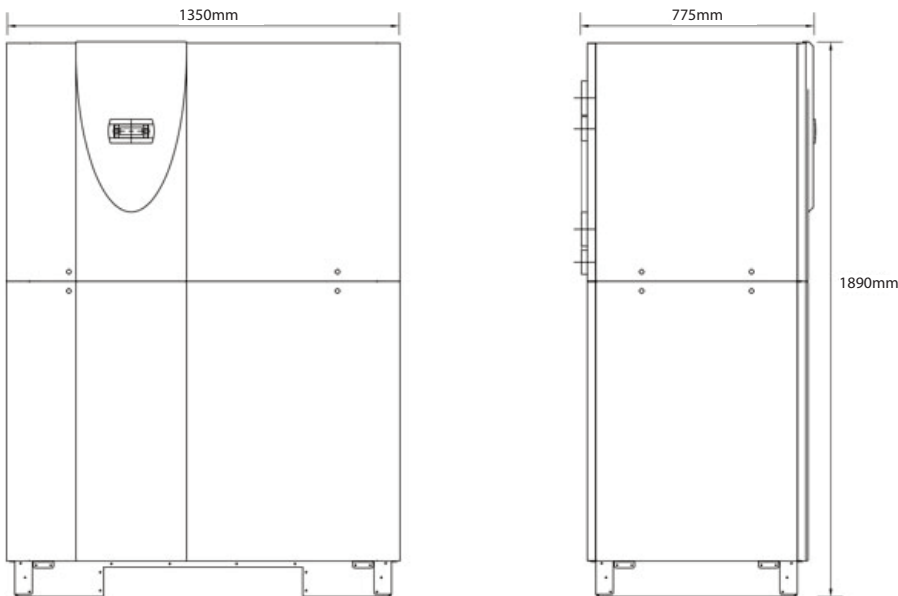
* The specified values have the following meaning, e.g. B0/W35: heat source temperature 0°C, heat outlet temperature 35°C.

** Please note that additional space is required for pipe connections, operation and maintenance.

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Model - SITE 50kw - 130kW



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