

Hot water storage tanks

Storatherm Aqua Heat Pump hot water storage tank for heat pumps



AH 150/1 – 1,000/1



AH 400/2 – 1,000/2

Technical Features

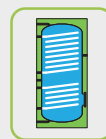
- high-efficiency tank with enlarged heating surface, for use in heat pump systems in particular
- enamelling according to DIN 4753-3 T3
- with magnesium anode, thermometer and mounts, maintenance opening
- From 300 liters with additional Rp 1 1/2 sleeve for electric heating
- max. permissible operating overpressure:
 - heating water 16 bar
 - potable water 10 bar
- max. permissible operating temperature:
 - heating water 110 °C
 - potable water 95 °C

Type overview



AH.../1
hot water storage tank with one heating coil

insulation
up to 500 l: rECOflex® insulation with foil jacket, removable
from 750 l: 100 mm fleece insulation with foil jacket, removable



AH.../2
hot water storage tank with two heating coils

insulation
up to 500 l: rECOflex® insulation with foil jacket, removable
from 750 l: 100 mm fleece insulation with foil jacket, removable

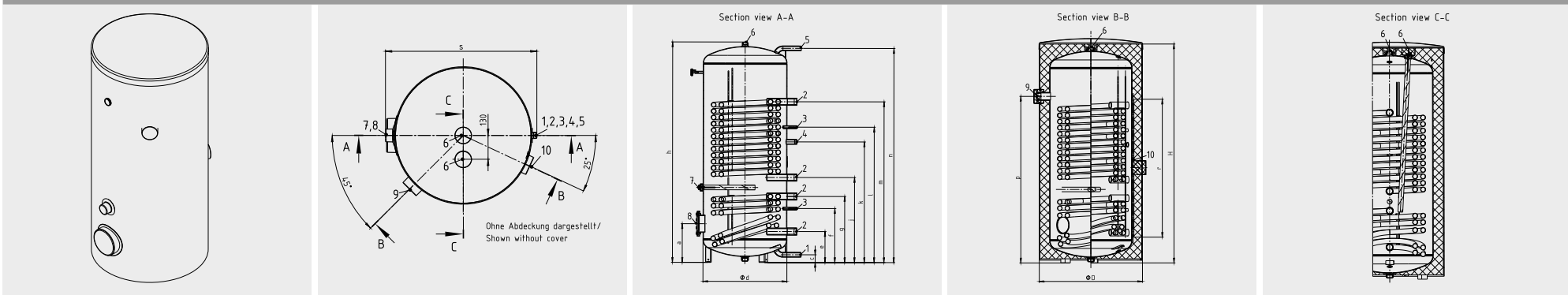
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Type	Art. No.	EEC ¹	Volume	Nominal content HE solar	Nenninhalt HE above	Cont. output top	Cont. output solar	Cont. output top	Cont. output solar	NL coefficient	NL coefficient solar	Heating surface	Heating surface solar	Max. installation-length EEHR	Max. installation-length EEHR	Tilted dimension	Weight
	white		[l]	[l]	[l]	[l/h]	[l/h]	[kW]	[kW]			[m ²]	[m ²]	[mm]	[mm]	[mm]	[kg]
Storatherm Aqua Heat Pump AH .../1 hot water storage tank with one heating coil																	
AH 150/1_B	7864600	B	144	–	11	1300	–	53	–	5,3	–	1,59	–	–	369	1285	57,00
AH 200/1_B	7864700	B	181	–	15	1500	–	60	–	5,6	–	2,17	–	–	369	1521	67,00
AH 300/1_B	7864000	B	279	–	23	2011	–	82	–	13,3	–	3,27	–	627	454	1455	139,00
AH 400/1_B	7864100	B	345	–	36	2626	–	108	–	15,1	–	5,16	–	658	455	1742	170,00
AH 500/1_B	7864200	B	427	–	44	3006	–	124	–	22,1	–	6,24	–	657	452	2043	222,00
AH 750/1_C	7845800	C	694	–	49	3712	–	152	–	40,0	–	7,06	–	818	620	2119	263,00
AH 1000/1_C	7845900	C	902	–	64	4965	–	203	–	59,0	–	9,20	–	917	721	2188	335,00
Storatherm Aqua Heat Pump AH .../2 hot water storage tank with two heating coils																	
AH 400/2_B	7864300	B	349	10	23	1556	972	64	40	9,1	15,0	3,27	1,39	658	454	1740	171,00
AH 500/2_B	7864400	B	428	12	30	2148	1116	88	46	11,2	25,0	4,35	1,65	658	456	2043	204,00
AH 750/2_C	7846200	C	691	16	36	2687	1465	110	60	17,0	34,0	5,21	2,23	818	605	2118	277,00
AH 1000/2_C	7846300	C	902	21	43	3226	2004	132	83	24,9	43,0	6,14	3,05	919	717	2170	354,00

¹ Energy efficiency class

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Geometric data



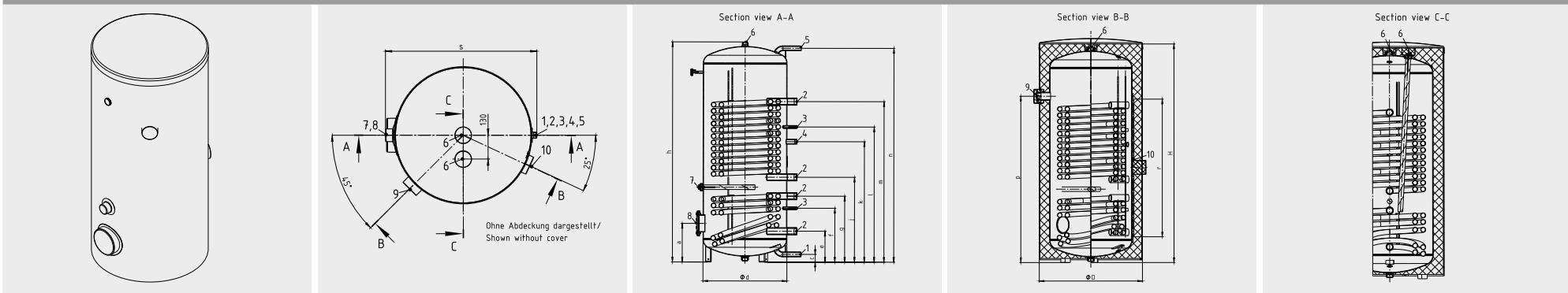
Type	Depth s [mm]	Diameter D [mm]	Diameter without insulation d [mm]	Height connection										Height without insulation h [mm]	Length of sensor terminal strip r [mm]	Max. height H [mm]	
				EEHR p [mm]	EFHR 1 a [mm]	HRL j [mm]	HVL m [mm]	SRL e [mm]	SVL g [mm]	circulation k [mm]	cold water c [mm]	hot water n [mm]	sensor 1 l [mm]				sensor 2 f [mm]
Storatherm Aqua Heat Pump AH .../1 hot water storage tank with one heating coil																	
AH 150/1_B	–	600	450	–	246	191	866	–	–	732	55	1113	956	461	1146	–	1172
AH 200/1_B	–	600	450	–	248	193	1163	–	–	901	55	1373	1032	506	1406	–	1432
AH 300/1_B	767	700	598	831	276	221	785	–	–	545	55	1229	875	467	1266	–	1297
AH 400/1_B	820	750	598	1140	276	221	1100	–	–	666	55	1526	1190	592	1594	–	1663
AH 500/1_B	820	750	598	1319	276	220	1279	–	–	1035	55	1856	1369	699	1893	–	1921
AH 750/1_C	1047	960	750	1491	383	294	1433	–	–	1123	105	1891	–	–	1930	1002	2052
AH 1000/1_C	1149	1065	850	1547	391	301	1483	–	–	1173	106	1905	–	–	1962	1002	2087

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Type	Depth s [mm]	Diameter D [mm]	Diameter without insulation d [mm]	Height connection										Height without insulation h [mm]	Length of sensor terminal strip r [mm]	Max. height H [mm]	
				EEHR p [mm]	EFHR 1 a [mm]	HRL j [mm]	HVL m [mm]	SRL e [mm]	SVL g [mm]	circulation k [mm]	cold water c [mm]	hot water n [mm]	sensor 1 l [mm]				sensor 2 f [mm]
Storatherm Aqua Heat Pump AH .../2 hot water storage tank with two heating coils																	
AH 400/2_B	821	750	598	1211	276	606	1146	221	471	860	55	1526	965	385	1563	–	1591
AH 500/2_B	821	750	598	1479	276	696	1416	221	548	1017	55	1856	1201	424	1893	–	1921
AH 750/2_C	1047	960	750	1491	383	803	1433	293	653	1123	105	1891	–	–	1937	1002	2052
AH 1000/2_C	1149	1065	850	1547	391	853	1483	300	703	1173	106	1905	–	–	1962	1002	2087

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Geometric data



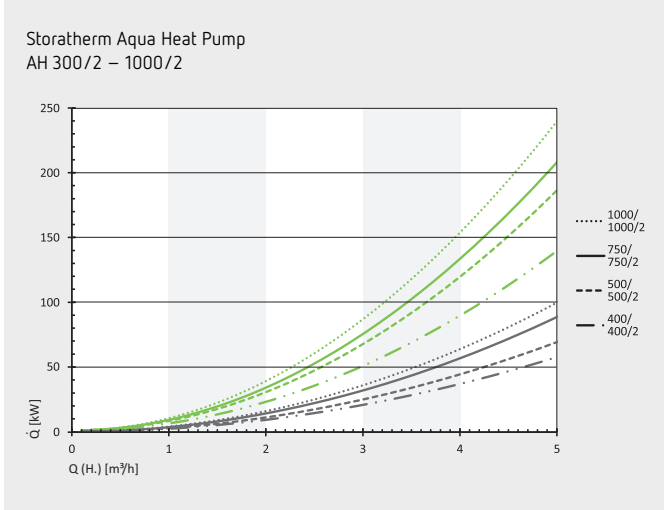
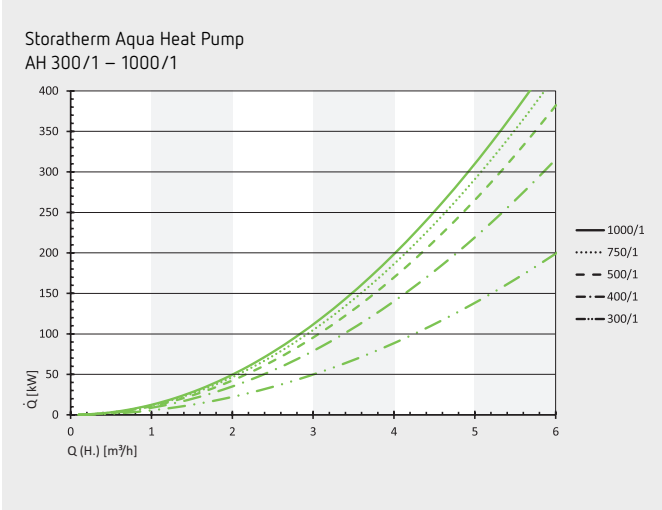
Type	Circulation connection 4	Cold water connection 1	Connection flange EFHR 8	Connection heating surface(s) 2	Connection hot water 5	Connection socket EEHR 9	Connection temperature sensor 3	Connection terminal strip 10
Storatherm Aqua Heat Pump AH .../1 hot water storage tank with one heating coil								
AH 150/1_B	R 3/4"	R 3/4"	DN110	G1"	R 3/4"	–	16 mm	–
AH 200/1_B	R 3/4"	R 3/4"	DN110	G1"	R 3/4"	–	16 mm	–
AH 300/1_B	G 3/4"	R 1"	DN110	G 1 1/4"	R 1"	G 1 1/2"	16 mm	–
AH 400/1_B	G 3/4"	R 1"	DN110	G 1 1/4"	R 1"	G 1 1/2"	16 mm	–
AH 500/1_B	G 3/4"	R 1"	DN110	G 1 1/4"	R 1"	G 1 1/2"	16 mm	–
AH 750/1_C	R 3/4"	R 1 1/4"	DN180	R 1 1/4"	R 1 1/4"	G 1 1/2"	–	16 mm
AH 1000/1_C	R 3/4"	R 1 1/4"	DN180	R 1 1/4"	R 1 1/4"	G 1 1/2"	–	16 mm
Storatherm Aqua Heat Pump AH .../2 hot water storage tank with two heating coils								
AH 400/2_B	G 3/4"	R 1"	DN110	G 1 1/4"	R 1"	G 1 1/2"	16 mm	–
AH 500/2_B	G 3/4"	R 1"	DN110	G 1 1/4"	R 1"	G 1 1/2"	16 mm	–

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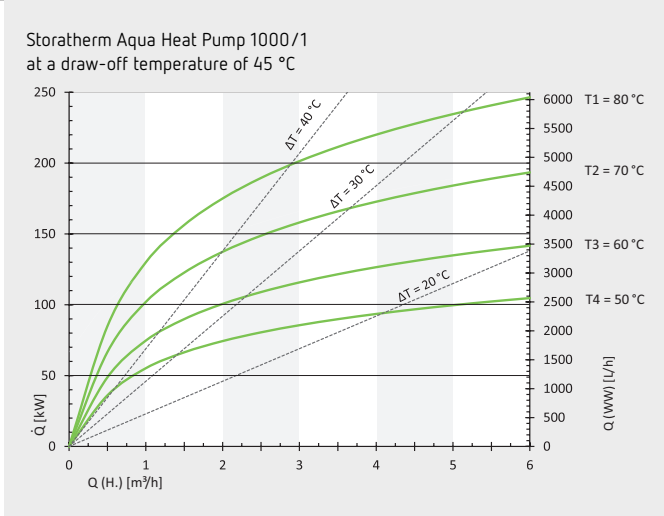
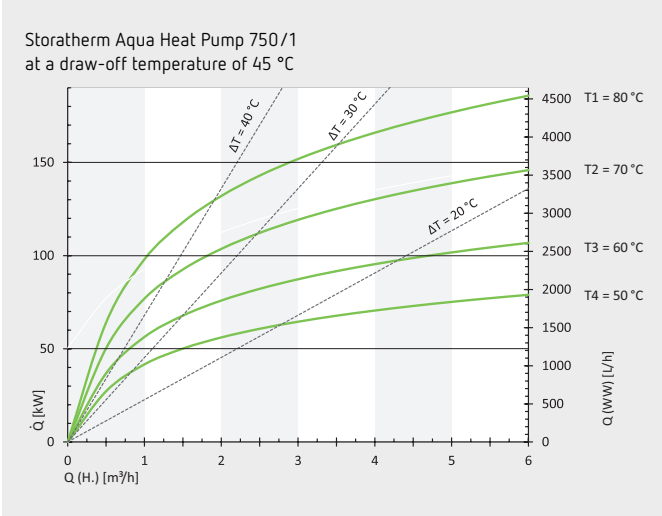
Type	Circulation connection 4	Cold water connection 1	Connection flange EFHR 8	Connection heating surface(s) 2	Connection hot water 5	Connection socket EEHR 9	Connection temperature sensor 3	Connection terminal strip 10
AH 750/2_C	R ¾"	R 1 ¼"	DN180	R 1 ¼"	R 1 ¼"	G 1 ½"	–	16 mm
AH 1000/2_C	R ¾"	R 1 ¼"	DN180	R 1 ¼"	R 1 ¼"	G 1 ½"	–	16 mm

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pressure loss



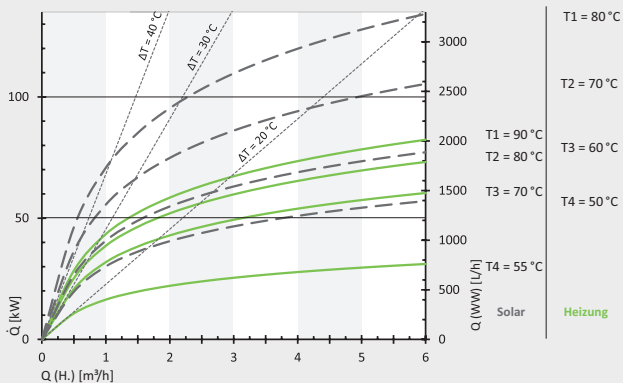
Performance diagrams



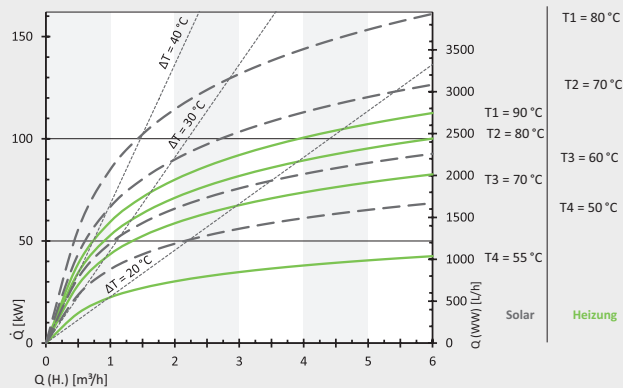
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Performance diagrams

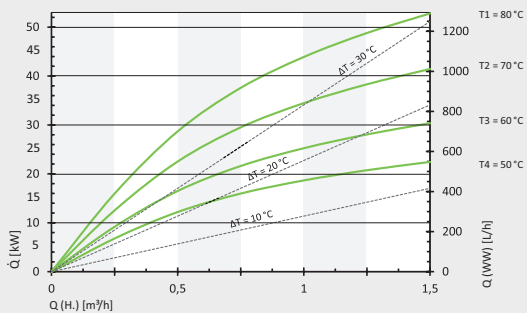
Storatherm Aqua Heat Pump 750/2
at a draw-off temperature of 45 °C



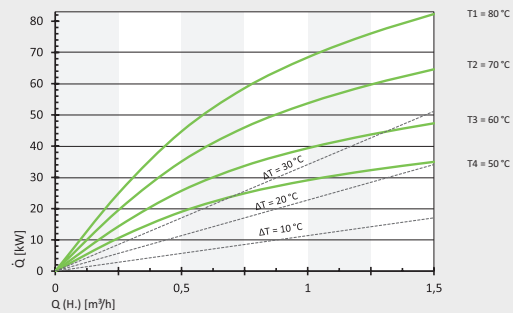
Storatherm Aqua Heat Pump 1000/2
at a draw-off temperature of 45 °C



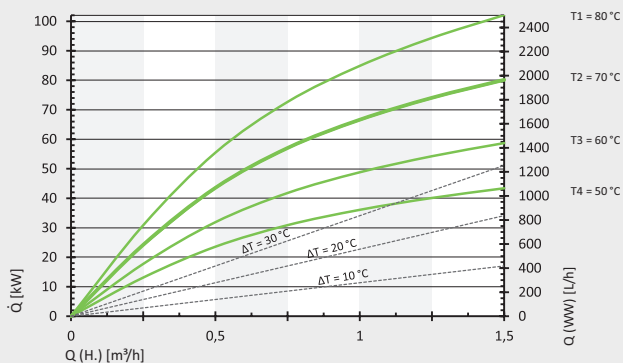
Storatherm Aqua 300/1
at a draw-off temperature of 60 °C



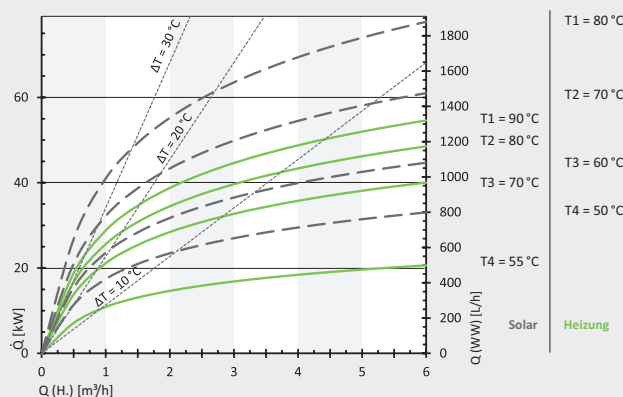
Storatherm Aqua Heat Pump 400/1
at a draw-off temperature of 60 °C



Storatherm Aqua Heat Pump 500/1
at a draw-off temperature of 60 °C



Storatherm Aqua Heat Pump 400/2
at a draw-off temperature of 45 °C



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Performance diagrams

