area Cooling Solutions

SILENT Condensing Units

Technical Brochure

Contents

Area Cooling Solutions Sp. z o.o.
Ul. Relaksowa 27
55-080 Nowa Wieś Wrocławska
tel/fax +48 71 354 56 24
www.area.pl

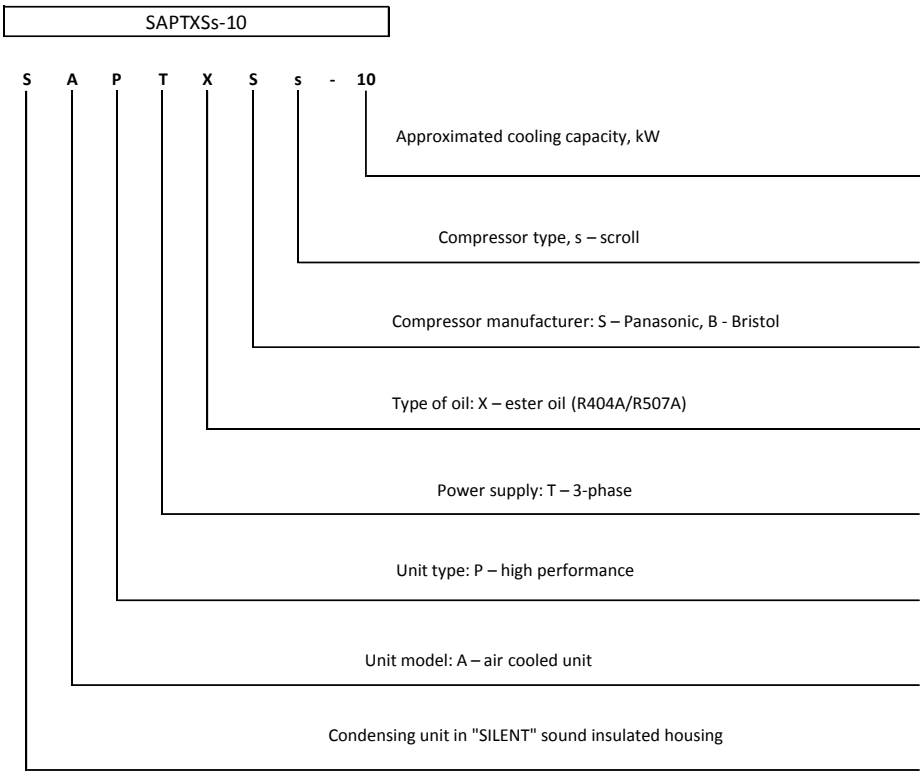
1. *General Information*

- Refrigeration SILENT condensing units are designed for automatic operation in refrigerated storage rooms, refrigeration cabinets, liquid coolers and other equipment the operating parameters of which meet the requirements of unit's characteristics.

- Condensing units are designed to be used with HFC refrigerants. Refrigerants allowed for specific units are listed in performance tables included in technical brochure. Filling or refilling these units with any other refrigerant type can cause damage. The units must not operate in conditions exceeding their working parameters. Doing otherwise can cause damage to the unit and will void the warranty.

Area Cooling Solutions Sp. z o.o.
Ul. Relaksowa 27
55-080 Nowa Wieś Wrocławska
tel/fax +48 71 354 56 24
www.area.pl

2. Code description



Area Cooling Solutions Sp. z o.o.
Ul. Relaksowa 27
55-080 Nowa Wieś Wrocławska
tel/fax +48 71 354 56 24
www.area.pl

3. *Units specification*

3.1. *Components*

- Bristol or Panasonic hermetic compressor or tandem of Panasonic compressors with crankcase heater
- air-cooled condenser
- EC fans with speed regulator
- shut-off valve on suction line
- insulation on suction pipeline
- liquid receiver with shut-off valve on the outlet
- safety valve
- liquid line: filter drier, sight glass with moisture indicator, shut-off valve
- service valves
- HP/LP pressure switch with auto reset –compressor protection
- LP pressure switch – safety mode of operation (optional)
- soundproof housing

Refrigerants

	SAPTXSs-7	SAPTXSs-8.5	SAPTXSs-10	SAPTXSs-13.5	SAPTXSs-14.5	SAPTXSs-18	SAPTXSs-22
R404A	✓	✓	✓	✓	✓	✓	✓
R448A	✓	✓	✓	✓	✓	✓	✓
R449A	✓	✓	✓	✓	✓	✓	✓
R134a	✓	✓	✓	✓	✓	✓	✓
R513A	✓	✓	✓	✓	✓	✓	✓

Area Cooling Solutions Sp. z o.o.
Ul. Relaksowa 27
55-080 Nowa Wieś Wrocławska
tel/fax +48 71 354 56 24
www.area.pl

4. Technical data

Type CU				SAPTXSs-7	SAPTXSs-8.5	SAPTXSs-10	SAPTXSs-13.5	SAPTXSs-14.5	SAPTXSs-18	SAPTXSs-22
Dimensions	Length	A	[mm]	1287	1287	1287	1287	1287	1520	1520
	Height	B	[mm]	760	760	963	963	963	1493	1493
	Width	C	[mm]	440	440	435	435	435	435	475
Weight gross			[kg]	160	160	170	170	170	310	310
Condenser	N° x f		[mm]	1x630	1x630	1x630	1x630	1x630	2x630	2x630
	Air flow		[m³/h]	5848	5848	6117	6117	6117	11140	11140
	Fan supply		[V/ph/Hz]	200-242/1/50	200-242/1/50	200-242/1/50	200-242/1/50	200-242/1/50	200-277/1/50	200-277/1/50
	Fan power consumption		[W]	1x230	1x230	1x230	1x230	1x230	2x230	2x230
	Fan rated current		[A]	1x 1,2	1x 1,2	1x 1,2	1x 1,2	1x 1,2	2x1,2	2x1,2
Compressor	Model			C-SBN263H8A	C-SBN303H8G	C-SBN353H8G	C-SBN453H8G	C-SBS235H38B	2x C-SBN303H8G	2x C-SBN373H8G
	Displacement		[m³/h]	9,7	11,6	13,5	17,4	19,2	2x11,1	2x14,1
	Voltage		[V/ph/Hz]	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50	2x48	2x48
	Current	MCC	[A]	10,2	11,1	13,6	14,9	17,5	24,6	24,6/17,3
		LRA	[A]	48	48	63	66	73	2x48	2x48
	Oil type			FV68S	FV68S	FV68S	FV68S	FV68S	FV68S	FV68S
	Oil charge		[dm³]	1,7	1,7	1,7	1,7	1,7	2x1,7	2x1,7
	Heater		[W]	1x40	1x40	1x40	1x40	1x70	2x70	2x70
Volume			[dBa]	41	41	41	41	41	45	45
Connections	Suction		[mm]	22	22	22	22	22	28	28
	Liquid		[mm]	12	12	12	12	12	16	16
liquid receiver			[dm³]	5,3	5,3	5,3	7,1	5,3	15	15
CU Power supply	Voltage		[V/ph/Hz]	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50	380-415/ 3/50	380-415/ 3/50
	Minimum cross section of power supply cables			5x2,5mm2	5x2,5mm2	5x2,5mm2	5x2,5mm2	5x2,5mm2	5x4mm2	5x4mm2
	Minimum protection			C16	C16	C20	C20	C20	C25	C40

Area Cooling Solutions Sp. z o.o.
Ul. Relaksowa 27
55-080 Nowa Wieś Wrocławska
tel/fax +48 71 354 56 24
www.area.pl

5. Capacity tables

R404A	Capacity (subcooling: 3 K, superheating: 10 K)*											
Model	T_0, C	-15		-10		-5		0		5		10	
	T_{ot},C	Q, W	Pe, W	Q, W	Pe, W	Q, W	Pe, W	Q, W	Pe, W	Q, W	Pe, W	Q, W	Pe, W
SAPTXSs-7	**27**	5 794	2 552	6 893	2 606	8 177	2 673	9 662	2 754	11 359	2 855	13 270	2 977
	32	5 263	2 813	6 265	2 869	7 438	2 938	8 803	3 022	10 372	3 125	12 152	3 251
	38	4 661	3 180	5 558	3 237	6 608	3 306	7 835	3 391	9 255	3 496	10 878	3 624
	43	4 188	3 531	5 007	3 588	5 963	3 657	7 080	3 742	8 379	3 846	9 873	3 973
SAPTXSs-8.5	**27**	6 744	3 112	7 994	3 195	9 430	3 294	11 077	3 414	12 949	3 559	15 052	3 731
	32	6 116	3 438	7 266	3 524	8 585	3 626	10 100	3 749	11 831	3 897	13 786	4 073
	38	5 389	3 893	6 437	3 981	7 628	4 085	8 994	4 209	10 561	4 358	12 342	4 535
	43	4 805	4 327	5 783	4 417	6 878	4 521	8 128	4 644	9 562	4 791	11 197	4 967
SAPTXSs-10	**27**	7 582	3 688	8 960	3 797	10 528	3 931	12 312	4 093	14 325	4 288	16 571	4 517
	32	6 869	4 077	8 140	4 191	9 583	4 329	11 227	4 495	13 091	4 693	15 182	4 927
	38	6 042	4 620	7 204	4 738	8 510	4 878	9 995	5 046	11 685	5 246	13 591	5 480
	43	5 375	5 138	6 461	5 259	7 665	5 400	9 027	5 567	10 574	5 765	12 323	5 996
SAPTXSs-13.5	**27**	10 408	4 640	12 186	4 734	14 228	4 855	16 567	5 007	19 225	5 196	22 218	5 424
	32	9 276	5 155	10 912	5 251	12 798	5 374	14 973	5 531	17 462	5 724	20 284	5 959
	38	8 012	5 884	9 488	5 978	11 197	6 100	13 179	6 256	15 467	6 450	18 079	6 688
	43	7 228	6 441	8 605	6 531	10 200	6 649	12 057	6 802	14 210	6 995	16 680	7 231
SAPTXSs-14.5	**27**	10 847	4 737	12 727	4 956	14 889	5 204	17 365	5 488	20 178	5 810	23 343	6 175
	32	9 729	5 224	11 462	5 448	13 462	5 701	15 767	5 988	18 403	6 314	21 388	6 682
	38	8 474	5 903	10 044	6 128	11 859	6 382	13 964	6 669	16 389	6 994	19 153	7 361
	43	7 692	6 416	9 160	6 640	10 858	6 891	12 832	7 175	15 115	7 496	17 728	7 859
SAPTXSs-18	**27**	13 940	6 017	16 591	6 151	19 668	6 312	23 227	6 509	27 307	6 747	31 927	7 033
	32	12 654	6 645	15 087	6 783	17 904	6 949	21 170	7 151	24 935	7 395	29 224	7 688
	38	11 170	7 523	13 378	7 664	15 912	7 833	18 850	8 037	22 251	8 283	26 152	8 579
	43	10 216	8 187	12 296	8 330	14 660	8 498	17 393	8 701	20 561	8 946	24 206	9 240
SAPTXSs-22	**27**	15 752	7 092	18 697	7 267	22 086	7 485	25 978	7 751	30 410	8 072	35 396	8 452
	32	14 291	7 836	16 998	8 019	20 106	8 244	23 684	8 518	27 779	8 846	32 417	9 236
	38	12 601	8 878	15 063	9 067	17 865	9 296	21 090	9 573	24 797	9 905	29 021	10 297
	43	11 511	9 666	13 834	9 858	16 453	10 087	19 457	10 363	22 913	10 693	26 863	11 083

Area Cooling Solutions Sp. z o.o.
Ul. Relaksowa 27
55-080 Nowa Wieś Wrocławska
tel/fax +48 71 354 56 24
www.area.pl

R448A	Capacity (subcooling: 3 K, superheating: 10 K)*											
Model	T_0, C	-15		-10		-5		0		5		10	
	T_{ot},C	Q, W	Pe, W	Q, W	Pe, W	Q, W	Pe, W	Q, W	Pe, W	Q, W	Pe, W	Q, W	Pe, W
SAPTXSs-7	**27**	4961	2469	6156	2565	7523	2673	9040	2795	10686	2928	12442	3073
	32	4490	2742	5623	2843	6923	2957	8366	3084	9936	3222	11611	3371
	38	3960	3135	5022	3238	6242	3354	7599	3484	9078	3626	10655	3777
	43	3550	3520	4555	3621	5709	3738	6996	3867	8397	4007	9893	4157
SAPTXSs-8.5	**27**	5772	2862	7157	2992	8737	3141	10486	3309	12378	3497	14387	3702
	32	5206	3183	6525	3319	8035	3476	9710	3652	11530	3847	13469	4062
	38	4570	3641	5811	3782	7236	3943	8825	4126	10557	4328	12413	4549
	43	4077	4091	5254	4231	6609	4393	8125	4576	9786	4780	11570	5003
SAPTXSs-10	**27**	6826	3885	8442	4099	10271	4345	12281	4625	14442	4936	16720	5278
	32	6146	4337	7686	4563	9435	4822	11365	5115	13443	5439	15645	5794
	38	5378	4985	6828	5218	8482	5487	10312	5790	12293	6126	14400	6491
	43	4896	5484	6287	5720	7877	5991	9642	6298	11555	6637	-	-
SAPTXSs-13.5	**27**	10440	4634	12222	4727	14270	4846	16615	4997	19279	5184	22279	5410
	32	9306	5148	10946	5243	12836	5365	15016	5520	17510	5711	20337	5944
	38	8040	5876	9519	5969	11231	6090	13216	6244	15508	6436	18123	6671
	43	7255	6433	8634	6522	10231	6638	12090	6789	14246	6980	16717	7213
SAPTXSs-14.5	**27**	9440	4713	11687	4957	14239	5238	17052	5556	20085	5911	23295	6302
	32	8513	5263	10653	5520	13092	5815	15791	6149	18711	6519	21811	6924
	38	7466	6049	9482	6315	11788	6621	14350	6966	17131	7349	20101	7767
	43	6812	6657	8745	6923	10962	7231	13432	7580	16121	7966	18999	8389
SAPTXSs-18	**27**	11997	5507	14915	5720	18259	5961	21982	6233	26032	6535	30353	6867
	32	10829	6113	13602	6337	16791	6592	20353	6878	24242	7194	28406	7540
	38	9518	6987	12121	7215	15128	7478	18500	7772	22197	8098	26174	8455
	43	8701	7661	11194	7889	14081	8151	17326	8446	20895	8775	24748	9135
SAPTXSs-22	**27**	13548	6786	16784	7083	20470	7421	24545	7799	28948	8218	33618	8676
	32	12262	7559	15336	7871	18846	8226	22730	8621	26933	9057	31394	9529
	38	10816	8670	13703	8990	17004	9354	20663	9760	24625	10205	28831	10685
	43	9915	9528	12681	9848	15844	10212	19353	10618	23151	11062	27184	11540

Area Cooling Solutions Sp. z o.o.
Ul. Relaksowa 27
55-080 Nowa Wieś Wrocławska
Poland phone/fax +48 71 354 56 24
www.area.pl

R449A	Capacity (subcooling: 3 K, superheating: 10 K)*											
Model	T_0, C	-15		-10		-5		0		5		10	
	T_{ot}, C	Q, W	Pe, W	Q, W	Pe, W	Q, W	Pe, W	Q, W	Pe, W	Q, W	Pe, W	Q, W	Pe, W
SAPTXSs-7	**27**	4 946	2 472	6 138	2 569	7 501	2 678	9 014	2 801	10 656	2 935	12 408	3 081
	32	4 475	2 746	5 606	2 847	6 902	2 962	8 342	3 090	9 909	3 229	11 581	3 380
	38	3 946	3 139	5 006	3 243	6 223	3 360	7 578	3 491	9 054	3 634	10 629	3 786
	43	3 537	3 524	4 540	3 626	5 692	3 744	6 977	3 874	8 376	4 016	9 871	4 167
SAPTXSs-8.5	**27**	5 754	2 866	7 136	2 997	8 712	3 147	10 456	3 316	12 343	3 505	14 348	3 712
	32	5 189	3 187	6 505	3 324	8 011	3 482	9 682	3 659	11 498	3 856	13 434	4 072
	38	4 554	3 646	5 792	3 788	7 214	3 950	8 800	4 134	10 529	4 337	12 383	4 560
	43	4 062	4 096	5 236	4 237	6 589	4 400	8 103	4 585	9 761	4 790	11 544	5 015
SAPTXSs-10	**27**	6 805	3 890	8 417	4 105	10 241	4 353	12 246	4 634	14 401	4 947	16 674	5 292
	32	6 126	4 343	7 662	4 570	9 407	4 830	11 332	5 125	13 406	5 451	15 604	5 809
	38	5 359	4 991	6 806	5 226	8 456	5 496	10 283	5 801	12 261	6 139	14 365	6 507
	43	4 878	5 491	6 266	5 728	7 853	6 001	9 615	6 310	11 526	6 651	-	-
SAPTXSs-13.5	**27**	10 408	4 640	12 186	4 734	14 228	4 855	16 567	5 007	19 225	5 196	22 218	5 424
	32	9 276	5 155	10 912	5 251	12 798	5 374	14 973	5 531	17 462	5 724	20 284	5 959
	38	8 012	5 884	9 488	5 978	11 197	6 100	13 179	6 256	15 467	6 450	18 079	6 688
	43	7 228	6 441	8 605	6 531	10 200	6 649	12 057	6 802	14 210	6 995	16 680	7 231
SAPTXSs-14.5	**27**	9 411	4 719	11 652	4 965	14 197	5 247	17 003	5 567	20 028	5 925	23 231	6 318
	32	8 485	5 270	10 620	5 528	13 053	5 825	15 746	6 161	18 659	6 534	21 754	6 942
	38	7 440	6 057	9 451	6 324	11 752	6 632	14 309	6 979	17 086	7 365	20 052	7 786
	43	6 786	6 665	8 716	6 933	10 929	7 243	13 395	7 594	16 081	7 983	18 957	8 409
SAPTXSs-18	**27**	11 960	5 514	14 871	5 729	18 206	5 972	21 919	6 246	25 958	6 550	30 270	6 885
	32	10 794	6 121	13 560	6 347	16 741	6 603	20 295	6 891	24 175	7 210	28 332	7 559
	38	9 484	6 996	12 082	7 226	15 082	7 490	18 448	7 787	22 138	8 116	26 110	8 476
	43	8 668	7 671	11 156	7 900	14 038	8 164	17 278	8 462	20 843	8 794	24 693	9 157
SAPTXSs-22	**27**	13 506	6 795	16 734	7 094	20 410	7 434	24 474	7 815	28 866	8 237	33 526	8 699
	32	12 222	7 569	15 289	7 883	18 790	8 240	22 665	8 638	26 859	9 077	31 312	9 553
	38	10 778	8 681	13 659	9 003	16 953	9 370	20 605	9 779	24 560	10 227	28 761	10 711
	43	9 878	9 540	12 638	9 862	15 796	10 229	19 299	10 638	23 093	11 086	27 123	11 568

Area Cooling Solutions Sp. z o.o.
Ul. Relaksowa 27
55-080 Nowa Wieś Wrocławska
tel/fax +48 71 354 56 24
www.area.pl

R513A	Capacity (subcooling: 3 K, superheating: 10 K)*											
Model	T_0, C	-15		-10		-5		0		5		10	
	T_{ot}, C	Q, W	Pe, W	Q, W	Pe, W	Q, W	Pe, W	Q, W	Pe, W	Q, W	Pe, W	Q, W	Pe, W
SAPTXSs-7	**27**	2 987	1 619	3 798	1 627	4 789	1 650	5 947	1 687	7 260	1 735	8 716	1 793
	32	2 833	1 741	3 558	1 756	4 464	1 786	5 539	1 827	6 770	1 879	8 146	1 939
	38	2 655	1 918	3 283	1 943	4 092	1 980	5 070	2 027	6 207	2 083	7 490	2 145
	43	2 510	2 092	3 063	2 125	3 796	2 168	4 698	2 220	5 759	2 279	6 968	2 343
SAPTXSs-8.5	**27**	3 495	1 834	4 461	1 848	5 645	1 881	7 029	1 932	8 600	2 000	10 342	2 081
	32	3 305	1 974	4 172	1 998	5 257	2 040	6 549	2 098	8 032	2 171	9 694	2 256
	38	3 082	2 178	3 837	2 214	4 812	2 265	5 996	2 332	7 379	2 411	8 949	2 501
	43	2 901	2 379	3 569	2 425	4 457	2 484	5 558	2 557	6 860	2 641	8 357	2 735
SAPTXSs-10	**27**	4 103	2 210	5 166	2 236	6 458	2 286	7 958	2 357	9 645	2 449	11 499	2 557
	32	3 892	2 387	4 841	2 426	6 023	2 486	7 417	2 567	9 001	2 665	10 758	2 779
	38	3 645	2 645	4 467	2 697	5 523	2 770	6 794	2 860	8 260	2 967	9 904	3 086
	43	3 446	2 898	4 169	2 962	5 126	3 044	6 299	3 142	7 670	3 255	9 222	3 379
SAPTXSs-13.5	**27**	5 295	2 685	6 735	2 710	8 499	2 764	10 564	2 846	12 906	2 953	15 503	3 082
	32	5 002	2 897	6 295	2 938	7 915	3 006	9 842	3 100	12 055	3 218	14 534	3 355
	38	4 660	3 209	5 787	3 269	7 243	3 353	9 013	3 460	11 077	3 589	13 420	3 735
	43	4 437	3 452	5 460	3 524	6 813	3 618	8 482	3 734	10 452	3 869	12 708	4 021
SAPTXSs-14.5	**27**	5 820	2 925	7 385	2 955	9 298	3 023	11 530	3 125	14 056	3 258	16 850	3 417
	32	5 499	3 162	6 903	3 211	8 659	3 294	10 743	3 410	13 131	3 555	15 801	3 722
	38	5 123	3 507	6 345	3 578	7 924	3 679	9 838	3 811	12 067	3 968	14 594	4 146
	43	4 878	3 776	5 986	3 860	7 452	3 973	9 258	4 114	11 386	4 279	13 822	4 464
SAPTXSs-18	**27**	7 068	3 617	9 066	3 631	11 521	3 679	14 404	3 761	17 687	3 872	21 340	4 006
	32	6 686	3 887	8 479	3 920	10 730	3 984	13 417	4 079	16 513	4 199	19 993	4 340
	38	6 238	4 283	7 801	4 338	9 823	4 421	12 285	4 530	15 168	4 661	18 449	4 810
	43	5 946	4 591	7 365	4 661	9 243	4 756	11 563	4 874	14 310	5 012	17 464	5 166
SAPTXSs-22	**27**	8 311	4 344	10 521	4 375	13 220	4 449	16 367	4 563	19 922	4 712	23 849	4 891
	32	7 884	4 683	9 861	4 738	12 330	4 832	15 252	4 962	18 588	5 124	22 305	5 311
	38	7 388	5 178	9 103	5 261	11 310	5 378	13 973	5 526	17 057	5 702	20 529	5 898
	43	7 067	5 563	8 617	5 664	10 658	5 796	13 157	5 955	16 079	6 139	19 393	6 341

Area Cooling Solutions Sp. z o.o.
Ul. Relaksowa 27
55-080 Nowa Wieś Wrocławska
Poland phone/fax +48 71 354 56 24
www.area.pl

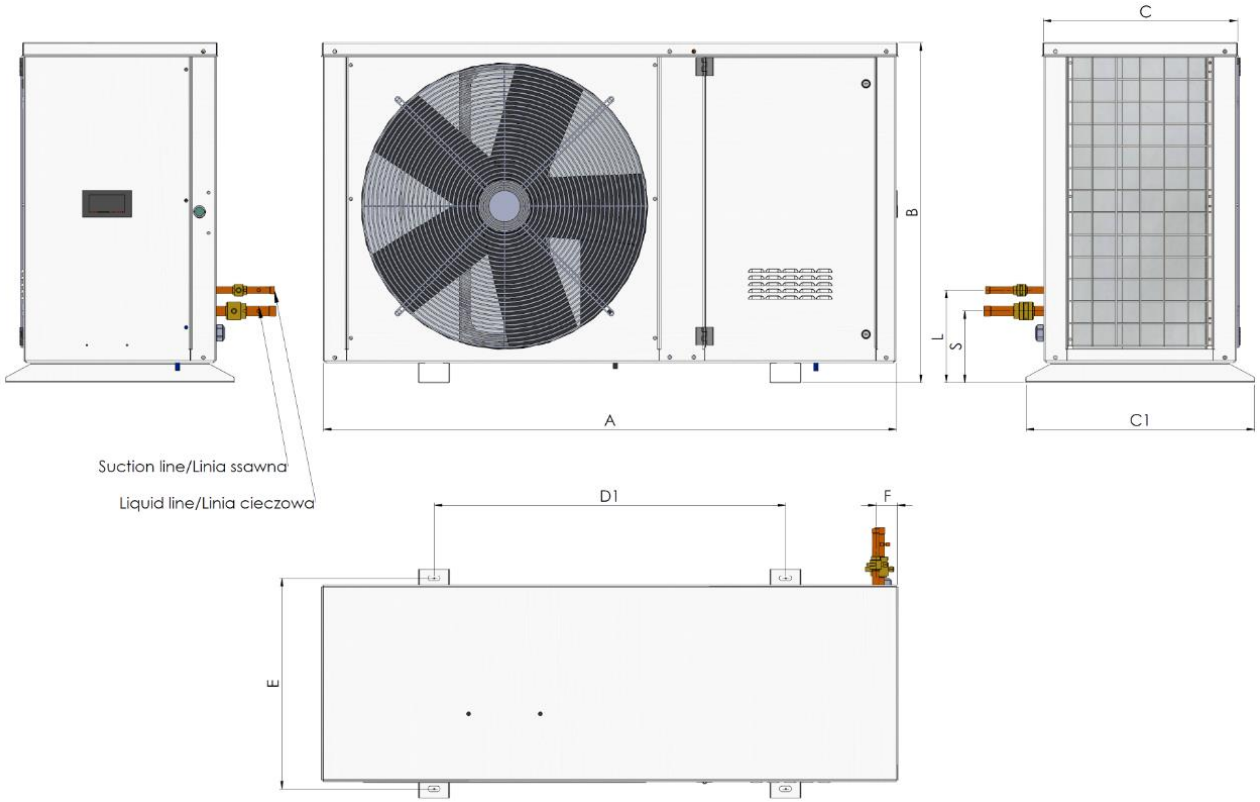
R134a	Capacity (subcooling: 3 K, superheating: 10 K)*											
Model	T_0, C	-15		-10		-5		0		5		10	
	T_{ot}, C	Q, W	Pe, W	Q, W	Pe, W	Q, W	Pe, W	Q, W	Pe, W	Q, W	Pe, W	Q, W	Pe, W
SAPTXSs-7	**27**	3 547	1 531	4 231	1 587	5 042	1 632	6 005	1 668	7 142	1 698	8 475	1 723
	32	3 296	1 672	3 942	1 725	4 709	1 770	5 624	1 809	6 708	1 843	7 983	1 877
	38	3 009	1 868	3 613	1 919	4 330	1 964	5 189	2 006	6 211	2 047	7 418	2 091
	43	2 783	2 056	3 353	2 104	4 031	2 150	4 844	2 195	5 816	2 242	6 968	2 295
SAPTXSs-8.5	**27**	3 639	4 334	5 144	6 101	7 233	8 567	10 126	11 929	3 639	4 334	5 144	6 101
	32	3 340	4 002	4 773	5 686	6 769	8 049	9 550	11 290	3 340	4 002	4 773	5 686
	38	3 015	3 636	4 360	5 218	6 241	7 455	8 883	10 547	3 015	3 636	4 360	5 218
	43	2 774	3 359	4 042	4 854	5 825	6 982	8 349	9 947	2 774	3 359	4 042	4 854
SAPTXSs-10	**27**	5 233	2 255	6 219	2 348	7 376	2 431	8 739	2 509	10 335	2 588	12 190	2 677
	32	4 862	2 471	5 797	2 564	6 895	2 650	8 191	2 735	9 716	2 825	11 494	2 929
	38	4 439	2 772	5 315	2 865	6 344	2 955	7 563	3 048	9 003	3 151	10 690	3 273
	43	4 169	2 998	5 008	3 091	5 993	3 184	7 162	3 283	8 547	3 395	10 174	3 529
SAPTXSs-13.5	**27**	6 566	2 549	7 782	2 649	9 221	2 734	10 927	2 809	12 936	2 880	15 282	2 955
	32	6 066	2 785	7 225	2 886	8 599	2 976	10 231	3 060	12 159	3 146	14 416	3 240
	38	5 514	3 122	6 603	3 222	7 897	3 317	9 438	3 412	11 266	3 514	13 414	3 631
	43	5 177	3 380	6 218	3 480	7 457	3 577	8 936	3 678	10 696	3 791	12 769	3 922
SAPTXSs-14.5	**27**	7 198	2 732	8 535	2 803	10 092	2 908	11 904	3 045	13 999	3 215	16 399	3 413
	32	6 787	2 953	8 051	3 052	9 520	3 180	11 230	3 336	13 213	3 520	15 493	3 728
	38	6 306	3 265	7 489	3 400	8 859	3 557	10 454	3 736	12 308	3 937	14 446	4 157
	43	5 992	3 502	7 127	3 662	8 435	3 839	9 957	4 034	11 727	4 246	13 774	4 475
SAPTXSs-18	**27**	8 297	3 758	9 814	3 935	11 596	4 099	13 706	4 258	16 209	4 418	19 167	4 587
	32	7 649	4 094	9 103	4 276	10 815	4 451	12 851	4 626	15 276	4 807	18 154	5 003
	38	6 930	4 573	8 304	4 758	9 928	4 943	11 870	5 136	14 197	5 342	16 975	5 568
	43	6 488	4 939	7 805	5 125	9 369	5 317	11 245	5 521	13 503	5 742	16 213	5 988
SAPTXSs-22	**27**	9 985	4 096	11 913	4 256	14 183	4 390	16 866	4 505	20 025	4 610	23 715	4 713
	32	9 289	4 490	11 110	4 645	13 258	4 781	15 804	4 904	18 816	5 024	22 348	5 151
	38	8 490	5 035	10 191	5 186	12 199	5 325	14 590	5 460	17 428	5 600	20 775	5 756
	43	7 980	5 445	9 606	5 593	11 526	5 736	13 816	5 879	16 543	6 033	19 768	6 209

(*)

Area Cooling Solutions Sp. z o.o.
Ul. Relaksowa 27
55-080 Nowa Wieś Wrocławska
tel/fax +48 71 354 56 24
www.area.pl

6. *Units drawings*

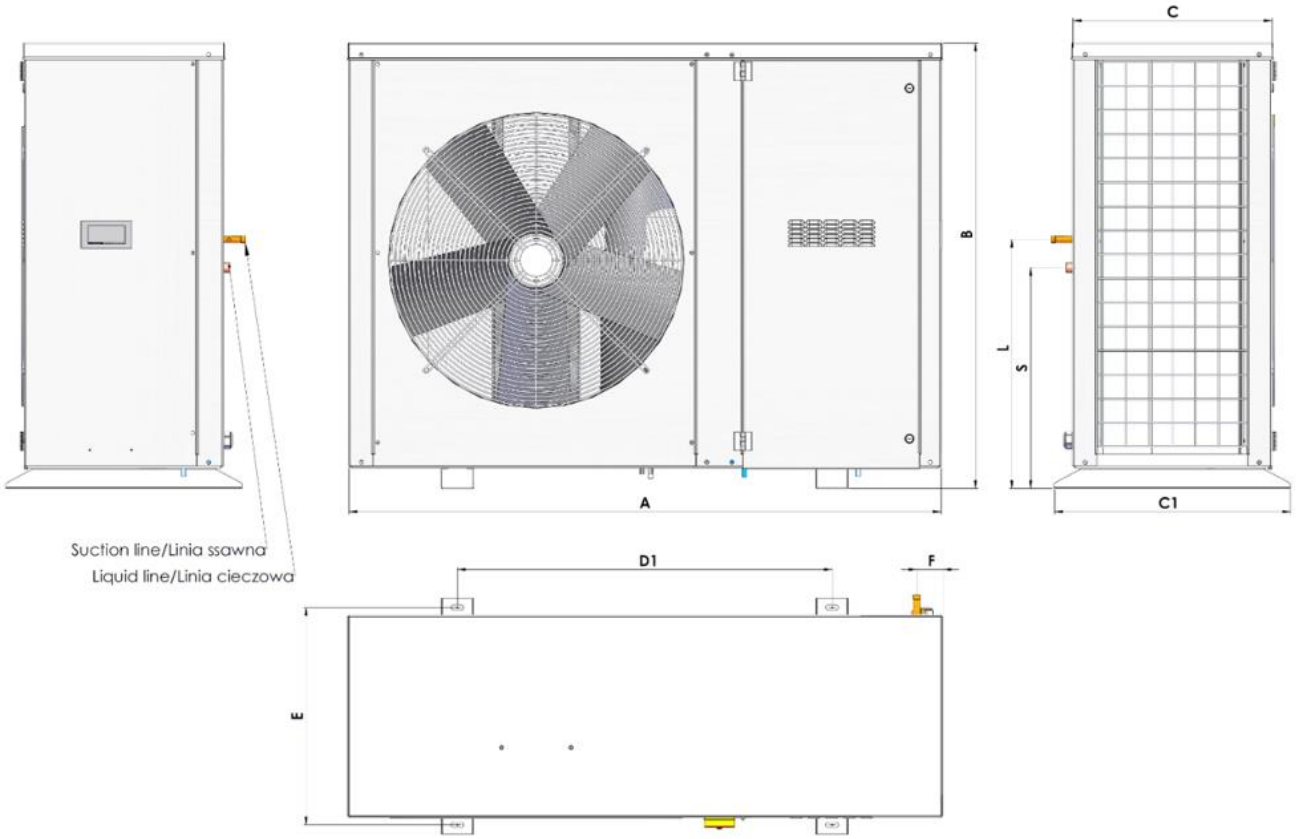
6.1. SAPTXSs-7, SAPTXSs-8.5



A	1280	mm	E	470	mm
B	760	mm	F	45	mm
C	435	mm	S	160	mm
C1	510	mm	L	205	mm
D1	785	mm			

Area Cooling Solutions Sp. z o.o.
Ul. Relaksowa 27
55-080 Nowa Wieś Wrocławska
Poland phone/fax +48 71 354 56 24
www.area.pl

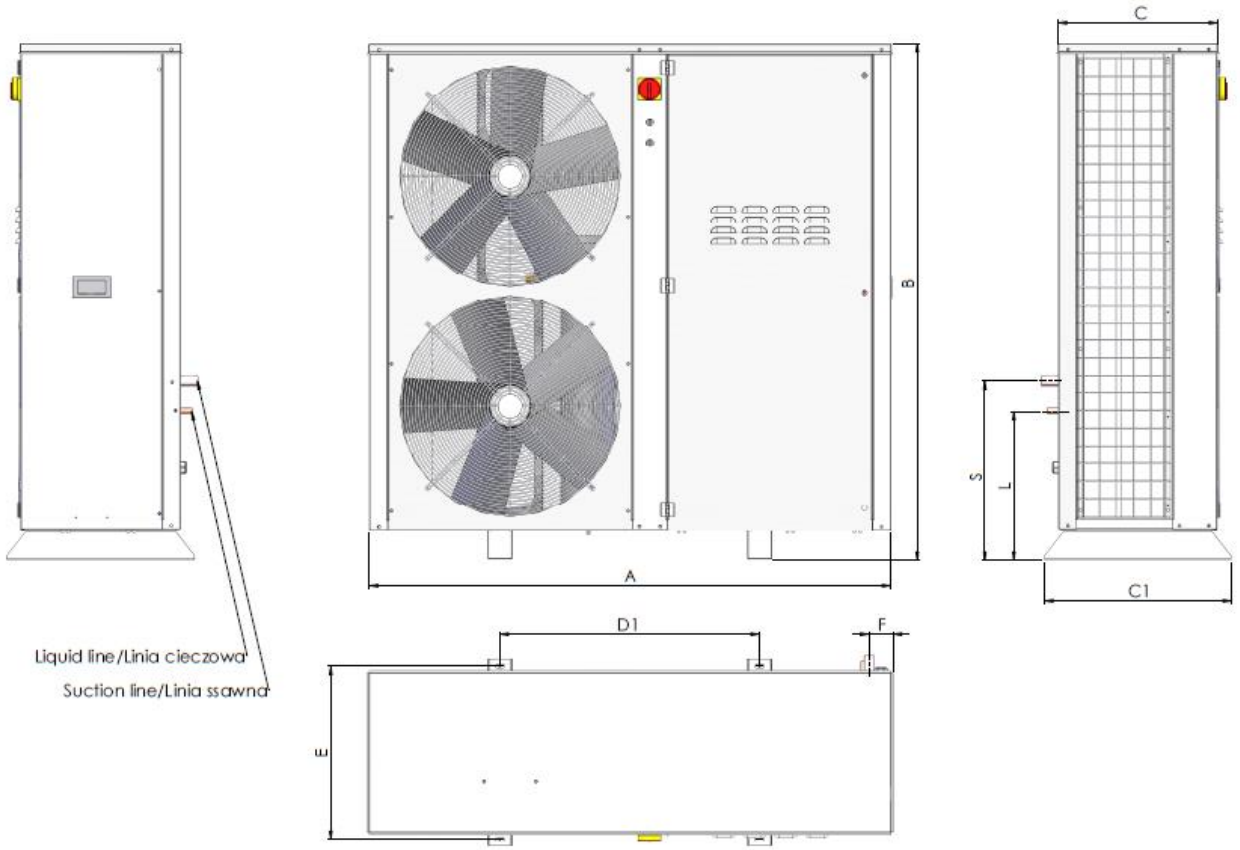
6.2. SAPTXSs-10, SAPTXSs-13.5, SAPTXSs-14.5



A	1280	mm	E	470	mm
B	963	mm	F	57	mm
C	430	mm	S	478	mm
C1	510	mm	L	539	mm
D1	810	mm			

Area Cooling Solutions Sp. z o.o.
Ul. Relaksowa 27
55-080 Nowa Wieś Wrocławska
tel/fax +48 71 354 56 24
www.area.pl

6.3. SAPTXSs-18, SAPTXSs-22

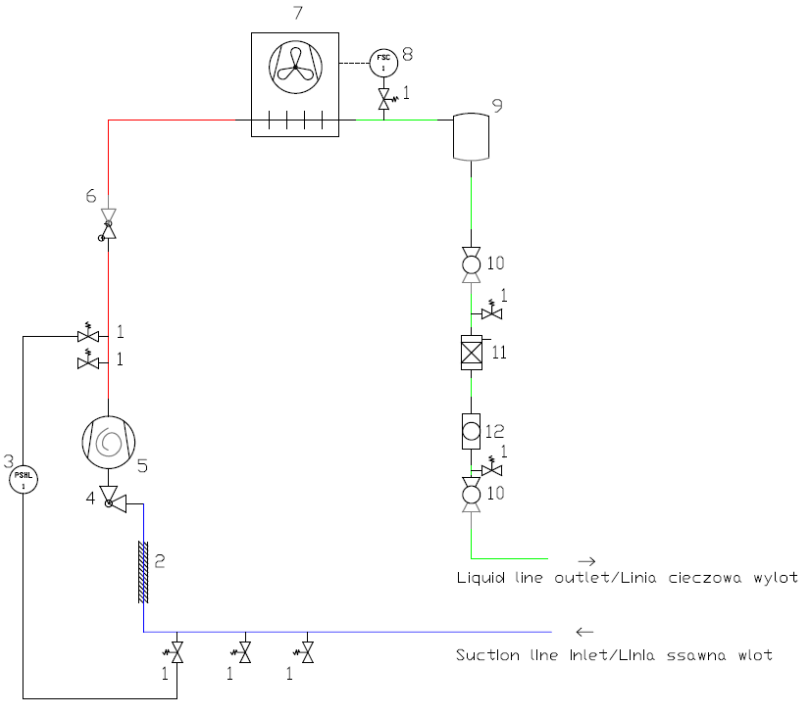


A	1507	mm	E	501	mm
B	1493	mm	F	69	mm
C	461	mm	S	519	mm
C1	541	mm	L	430	mm
D1	751	mm			

Area Cooling Solutions Sp. z o.o.
Ul. Relaksowa 27
55-080 Nowa Wieś Wrocławska
Poland phone/fax +48 71 354 56 24
www.area.pl

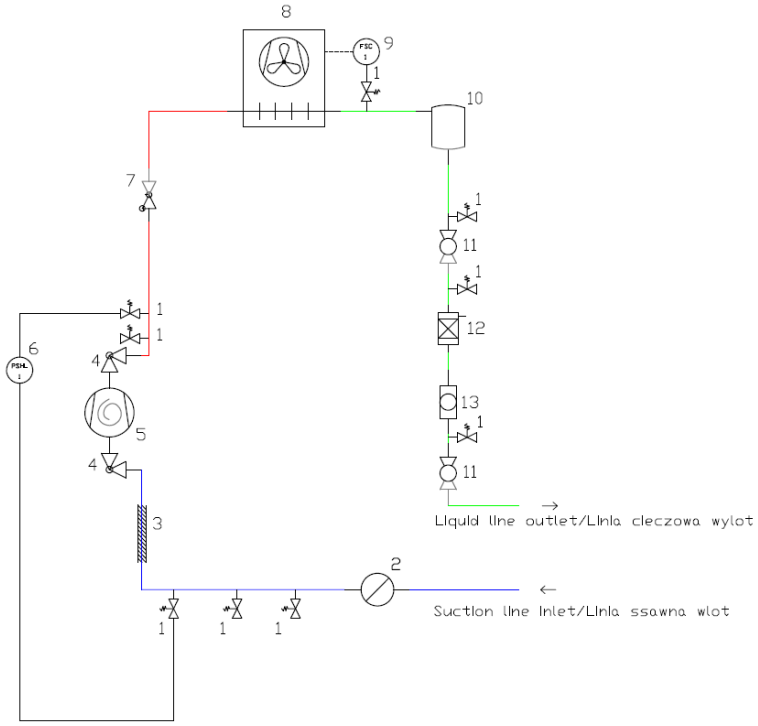
7. Schematic diagrams

7.1. SAPTXSs-7, SAPTXSs-8.5



1	Schraeder valve
2	Suction insulation
3	Dual pressure switch LP/HP
4	Rotalock valve
5	Compressor
6	Check valve
7	Condenser with fan
8	Fan speed controller
9	Liquid receiver
10	Ball valve
11	Filter drier
12	Sight glass

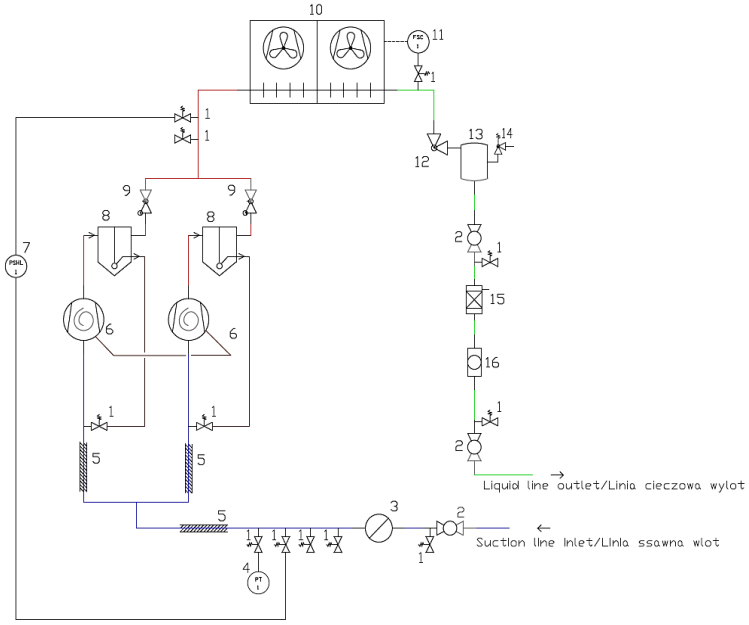
7.2. SAPTXSs-10, SAPTXSs-13.5, SAPTXSs-14.5



1	Schraeder valve
2	Suction separator
3	Suction insulation
4	Rotalock valve
5	Compressor
6	Dual pressure switch LP/HP
7	Check valve
8	Condenser with fan
9	Fan speed controller
10	Liquid receiver
11	Ball valve
12	Filter drier
13	Sight glass

Area Cooling Solutions Sp. z o.o.
Ul. Relaksowa 27
55-080 Nowa Wieś Wrocławska
tel/fax +48 71 354 56 24
www.area.pl

7.3. SAPTXSs-18, SAPTXSs-22



1	Schraeder valve
2	Ball valve
3	Suction separator
4	Suction pressure transmitter
5	Suction insulation
6	Compressor
7	Dual pressure switch LP/HP
8	Oil separator
9	Check valve
10	Condenser with fan
11	Fan speed controller
12	Rotalock valve
13	Liquid receiver
14	Safety valve
15	Filter drier
16	Sight glass

Area Cooling Solutions Sp. z o.o.
Ul. Relaksowa 27
55-080 Nowa Wieś Wrocławska
Poland phone/fax +48 71 354 56 24
www.area.pl

area Cooling Solutions

Adresy

ul. Relaksowa 27

55-080 Nowa Wieś Wrocławska

Polska

Tel: +48 71 354 56 24
Fax: +48 71 354 56 22

area@area.pl
export@area.pl

www.areacooling.es
www.areacooling.pl
www.areacooling.fr
www.areacooling.ru
www.areacooling.com
www.areacooling.de