

Strebel S-ASX-LP Technical Specifications

Model		50	60	70	80	90	
Efficiency label at 35°C ⁽¹⁾		A++	A++	A++	A++	A++	
Efficiency label at 55°C ⁽¹⁾		A++	A++	A++	A++	A++	
SCOP at 35°C		4.19	4.22	4.21	4.27	4.27	
SCOP at 45°C		3.58	3.62	3.61	3.65	3.65	
SCOP at 55°C		3.31	3.33	3.33	3.37	3.37	
A7W35	Heating capacity	kW	53.60	61.00	69.30	79.20	89.20
	Power input	kW	12.1	13.6	15.5	17.5	19.7
	COP		4.43	4.49	4.47	4.53	4.53
	Water flow rate	l/h	9244	10519	11967	13662	15389
	Pressure drops	kPa	26	22	20	25	23
A7W45	Heating capacity	kW	52.45	59.70	67.90	77.60	87.40
	Power input	kW	14.7	16.6	18.9	21.3	24.0
	COP		3.57	3.60	3.59	3.64	3.64
	Water flow rate	l/h	9090	10344	11767	13435	15132
	Pressure drops	kPa	25	21	19	25	23
A7W55	Heating capacity	kW	51.40	58.40	66.50	75.90	85.50
	Power input	kW	16.9	19.0	21.7	24.5	27.6
	COP		3.04	3.07	3.06	3.10	3.10
	Water flow rate	l/h	5587	6357	7232	8257	9301
	Pressure drops	kPa	10	9	8	10	9
A2W35	Heating capacity	kW	44.4	50.5	57.4	65.6	73.8
	Power input	kW	11.8	13.3	15.2	17.2	19.3
	COP		3.76	3.80	3.78	3.81	3.82
	Water flow rate	l/h	7659	8715	9915	11319	12750
	Pressure drops	kPa	18	16	14	18	17
A2W45	Heating capacity	kW	43.3	49.3	56.0	64.0	72.0
	Power input	kW	14.5	16.3	18.6	20.9	23.6
	COP		2.99	3.02	3.01	3.06	3.05
	Water flow rate	l/h	7500	8534	9708	11084	12484
	Pressure drops	kPa	17	15	14	17	16
A2W55	Heating capacity	kW	42.1	47.9	54.5	62.3	70.1
	Power input	kW	16.7	18.8	21.5	24.2	27.3
	COP		2.52	2.55	2.53	2.57	2.57
	Water flow rate	l/h	4586	5218	5936	6777	7634
	Pressure drops	kPa	7	6	6	7	7
A-4W35	Heating capacity	kW	39.1	44.4	50.5	57.7	65.0
	Power input	kW	11.6	13.0	14.8	16.7	18.9
	COP		3.37	3.42	3.41	3.46	3.44
	Water flow rate	l/h	6742	7672	8728	9964	11223
	Pressure drops	kPa	14	12	11	14	13
A-4W45	Heating capacity	kW	38.0	43.2	49.1	56.1	63.2
	Power input	kW	14.2	16.0	18.2	20.5	23.1
	COP		2.68	2.7	2.7	2.74	2.74
	Water flow rate	l/h	6579	7487	8517	9724	10952
	Pressure drops	kPa	13	12	11	14	13
A-4W55	Heating capacity	kW	36.8	41.9	47.6	54.4	61.3
	Power input	kW	16.4	18.5	21.1	23.8	26.8
	COP		2.24	2.26	2.26	2.29	2.29
	Water flow rate	l/h	4007	4559	5186	5921	6670
	Pressure drops	kPa	5	5	4	6	5

A7W55 = source : air in 7°C d.b. 6°C w.b. / plant : water in 47°C out 55°C
A7W45 = source : air in 7°C d.b. 6°C w.b. / plant : water in 40°C out 45°C
A7W35 = source : air in 7°C d.b. 6°C w.b. / plant : water in 30°C out 35°C
A2W55 = source : air in 2°C d.b. 1°C w.b. / plant : water 47°C out 55°C
A2W45 = source : air in 2°C d.b. 1°C w.b. / plant water 40°C out 45°C

A2W35 = source : air in 2°C d.b. 1°C w.b. / plant water 30°C out 35°C
A-4W55 = source : air in -4°C d.b. -5°C w.b. / plant : water in 47°C out 55°C
A-4W45 = source : air in -4°C d.b. -5°C w.b. / plant : water in 40°C out 45°C
A-4W35 = source : air in -4°C d.b. -5°C w.b. / plant : water in 30°C out 35°C

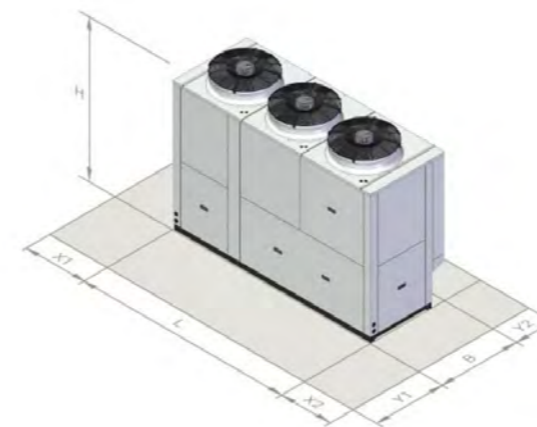
Strebel S-ASX-LP Technical Data

Model		50	60	70	80	90
Power supply	V-p-Hz	400 - 3 - 50				
Compressor type		Scroll				
No. compressors/No. refrigerant circuits	Qty	2,1				
Refrigerant		R454B				
Plant heat exchanger type		Stainless steel brazed plates				
Source heat exchanger		Finner coil copper - hydrophilic aluminium				
Fans		Axial EC				
No. fans	Qty	2	3	3	4	4
Hydraulic fittings		2" M				
Weight	kg	505	621	630	748	760
Maximum power input	kW	22.4	26.6	29.6	33.8	37.4
Low Noise Acoustic Settings (as Standard)						
Sound power level	dB(A)	76	77	77	78	78
Sound pressure at 1 metre	dB(A)	59	59	60	60	61
Sound pressure at 5 metres	dB(A)	50	50	50	51	52
Sound pressure at 10 metres	dB(A)	44	45	45	46	47

The acoustic data performances are referred to units operating in heating mode at nominal conditions A7W35.

The sound power level is measured in accordance to ISO 3744 standard.

The sound pressure level is calculated according to ISO 3744 and is referred to a distance of 1/5/10 metres from the external surface of the unit.



		Dimensions				
		50	60	70	80	90
L	mm	1730	2480	2480	3230	3230
B	mm	930	930	930	930	930
H	mm	1830	1830	1830	1830	1830
X1	mm	200	200	200	200	200
X2	mm	500	500	500	500	500
Y1	mm	1000	1000	1000	1000	1000
Y2	mm	500	500	500	500	500

The values are referred to units without options and accessories.

COP (Coefficient Of Performance) = ratio of the total heating capacity to the effective power input of the unit

All COP data in accordance with EN 14511 ⁽¹⁾ In accordance with European regulation 811/2013

The company reserves the right to change the specifications and dimensions without prior notice. E.&O.E.

Contact Helec Limited on 01934 862264 for more details & design support

