



Technical data / scope of delivery

Heat pump type	Brine/Water Air/Water Water/Water	• relevant — not relevant
Installation location	Indoors Outdoors	• relevant — not relevant
Conformity		CE
Power data	Heating power/COP at	
	B0/W35 Standard point as per EN14511	2 Compressors 1 Compressor
	B0/W45 Standard point as per EN14511	2 Compressors 1 Compressor
	B7/W35 Standard point as per EN14511	2 Compressors 1 Compressor
	B0/W50 Standard point as per EN14511	2 Compressors 1 Compressor
Operating limits	Heat circuit	°C
	Heat source	°C
	Additional operating points	...
Noise	Sound pressure level at 1m gap around the machine averaged (in free field)	dB(A)
	Sound power level as per EN12102	dB
Heat source	Volumetric flow: minimum throughput nominal throughput maximum throughput	l/h
	Pressure loss in heat pump Δp Volumetric flow	bar l/h
	Recommended brine circulating pump	...
	Total compression of the recommended pump at nominal brine volumetric flow	bar l/h
	Antifreeze	Monoethylene glycol
	Minimum concentration frostproof to	% °C
Heat circuit	Volumetric flow: minimum throughput nominal throughput maximum throughput	l/h
	Pressure loss in heat pump Δp Volumetric flow	bar l/h
	Free compression of heat pump Δp Volumetric flow	bar l/h
	Temperature spread for B0/W35	K
General device data	Earth (see dimensional diagram for the size indicated)	Size
	Total weight	kg
	Extra weight of construction unit 1	kg
	Extra weight of construction unit 2	kg
	Connections	Heat circuit Heat source
	Refrigerant	Refrigerant type Filling capacity
Electrics	Voltage code All-pole circuit breaker for pump *)	... A
	Voltage code Control voltage circuit breaker *)	... A
	Voltage code Electrical heating element circuit breaker *)	A
Heat pump	Effect. power consumption in the normal point B0/W35 as per EN14511: Power consumption Current consumption $\cos\phi$	kW A ...
	Maximum machine current within the operating limits	A
	Starting current: direct with slow-starter	A A
	Protection type	IP
	Power of electrical heating element 3 2 1-phase	kW kW kW
Components	Circulating pump for heat circuit at nominal throughput: Power consumption Current consumption	kW A
	Circulating pump for heat source at nominal throughput: Power consumption Current consumption	kW A
	Setting range for motor protection switch of heat source circulating pump	A
Passive cooling function	Data only for devices with ID K: Cooling power at nominal volumetric flow rates (15 °C heat source, 25 °C hot water)	kW
Safety devices	Safety assembly for heat circuit Safety assembly for heat source	in scope of supply: • yes — no
Heating and heat pump control		in scope of supply: • yes — no
Electronic soft-starter		integrated: • yes — no
Expansion vessels	Heat source: Scope of supply Volume Supply pressure	• yes — no l bar
	Heat circuit: Scope of supply Volume Supply pressure	• yes — no l bar
Overflow valve		integrated: • yes — no
Vibration isolation	Heat circuit Heat source	in scope of supply: • yes — no



	SWP371	SWP451	SWP581	SWP691	SWP291H	SWP561H
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	37,2 4,80	45,0 4,80	57,6 4,80	68,5 4,60	25,9 4,37	53,8 4,50
	35,8 3,70	42,7 3,70	55,8 3,80	66,1 3,60	24,9 3,46	52,9 3,80
	45,4 5,60	55,0 5,70	71,1 5,80	84,1 5,40	31,5 5,10	65,9 5,20
	34,8 2,90	41,1 2,90	54,1 3,00	64,6 2,90	24,7 2,80	52,1 3,10
	20 - 57	20 - 58	20 - 60	20 - 60	20 - 64	20 - 64
	-5 - 25	-5 - 25	-5 - 25	-5 - 25	-5 - 25	-5 - 25
	B3/W65	B0/W65	B0/W65	B0/W65	B4/W70	B0/W70
	39	41	42	44	43	44
	54	56	57	59	58	59
	6900 9200 11100	8100 10800 13000	10200 13600 16300	13000 17300 21000	4900 6500 7800	9400 12600 19100
	0,16 9200	0,15 10800	0,15 13600	0,16 17300	0,16 6500	0,16 12600
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	25 -13	25 -13	25 -13	25 -13	25 -13	25 -13
	3200 6400 8000	3900 7800 9400	4900 9700 12200	5700 11300 14200	2400 4700 5900	4400 8900 11200
	0,12 6400	0,12 7800	0,12 9700	0,12 11300	0,12 4700	0,12 8900
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	5,0	5,0	5,1	5,2	5,0	5,0
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	371	385	441	484	319	521
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	DN50 DIN2566	DN50 DIN2566	DN50 DIN2566	DN50 DIN2566	DN50 DIN2566	DN50 DIN2566
	DN50 DIN2566	DN50 DIN2566	DN50 DIN2566	DN50 DIN2566	DN50 DIN2566	DN50 DIN2566
	R410A 7,2	R410A 8,2	R410A 11,2	R410A 13,4	R134a 6,7	R134a 12,8
	3~/PE/400V/50Hz C32	3~/PE/400V/50Hz C40	3~/PE/400V/50Hz C50	3~/PE/400V/50Hz C50	3~/PE/400V/50Hz C40	3~/PE/400V/50Hz C50
	1~/N/PE/230V/50Hz B16	1~/N/PE/230V/50Hz B16	1~/N/PE/230V/50Hz B16	1~/N/PE/230V/50Hz B16	1~/N/PE/230V/50Hz B16	1~/N/PE/230V/50Hz B16
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	7,8 13,97 0,8	9,4 18,28 0,72	12,0 22,16 0,76	14,9 28,14 0,75	5,9 15,16 0,56	12,0 27,80 0,63
	31	34	40	48,5	34	45,6
	140 26	174 37	225 88	272 85	174 82	310 105
	20	20	20	20	20	20
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813428b

813429b

813430b

813431b

813432c

813433a



Technical data / scope of delivery

Heat pump type	Brine/Water Air/Water Water/Water	• relevant — not relevant
Installation location	Indoors Outdoors	• relevant — not relevant
Conformity		CE
Power data	Heating power/COP at	
	W10/W35	Standard nominal conditions based on EN14511
		2 Compressors
		1 Compressor
		kW ...
		kW ...
	W10/W55	**
		2 Compressors
		1 Compressor
		kW ...
		kW ...
Operating limits	Heat circuit	°C
	Heat source	°C
	Additional operating points	...
Noise	Sound pressure level at 1m gap around the machine averaged (in free field)	dB(A)
	Sound power level as per EN12102	dB
Heat source	Volumetric flow: minimum throughput nominal throughput maximum throughput	l/h
	Pressure loss in heat pump Δp Volumetric flow	bar l/h
	Recommended brine circulating pump	...
	Total compression of the recommended pump at nominal brine volumetric flow	bar l/h
	Antifreeze	Monoethylene glycol
	Minimum concentration frostproof to	% °C
Heat circuit	Volumetric flow: minimum throughput nominal throughput maximum throughput	l/h
	Pressure loss in heat pump Δp Volumetric flow	bar l/h
	Free compression of heat pump Δp Volumetric flow	bar l/h
	Temperature spread for W10/W35	K
General device data	Earth (see dimensional diagram for the size indicated)	Size
	Total weight	kg
	Extra weight of construction unit 1	kg
	Extra weight of construction unit 2	kg
	Connections	Heat circuit Heat source
	Refrigerant	Refrigerant type Filling capacity
	Medium im Zwischenkreis	Heizungswasser nach VDI 2035
Electrics	Voltage code All-pole circuit breaker for pump *)	... A
	Voltage code Control voltage circuit breaker *)	... A
	Voltage code Electrical heating element circuit breaker *)	A
Heat pump	Effect. power consumption in the normal point W10/W55 as per EN14511: Power consumption Current consumption $\cos\phi$	kW A ...
	Maximum machine current within the operating limits	A
	Starting current: direct with slow-starter	A A
	Protection type	IP
	Power of electrical heating element 3 2 1-phase	kW kW kW
Components	Circulating pump for heat circuit at nominal throughput: Power consumption Current consumption	kW A
	Circulating pump for heat source at nominal throughput: Power consumption Current consumption	kW A
	Setting range for motor protection switch of heat source circulating pump	A
Passive cooling function	Data only for devices with ID K: Cooling power at nominal volumetric flow rates (15 °C heat source, 25 °C hot water)	kW
Safety devices	Safety assembly for heat circuit Safety assembly for heat source	in scope of supply: • yes — no
Heating and heat pump control		in scope of supply: • yes — no
Electronic soft-starter		integrated: • yes — no
Expansion vessels	Heat source: Scope of supply Volume Supply pressure	• yes — no l bar
	Heat circuit: Scope of supply Volume Supply pressure	• yes — no l bar
Overflow valve		integrated: • yes — no
Vibration isolation	Heat circuit Heat source	in scope of supply: • yes — no



SWP371	SWP451	SWP581	SWP691	SWP291H	SWP561H
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49,8 6,0	60,2 6,10	77,1 6,10	92,8 5,80	36,9 5,30	73,7 5,30
44,6 3,6	54,9 3,80	71,4 3,80	85,4 3,70	33,2 3,30	69,7 3,50
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20 - 65	20 - 65	20 - 65	20 - 65	20 - 70	20 - 70
7 - 25	7 - 25	7 - 25	7 - 25	7 - 25	7 - 25
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39	41	42	44	43	44
54	56	57	59	58	59
12800 12800 19200	15500 15500 23200	19300 19300 28900	24700 24700 37000	10000 10000 15000	19400 19400 29100
0,3 12800	0,32 15500	0,31 19300	0,33 24700	0,38 10000	0,38 19400
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4300 8600 10800	5200 10400 13000	6600 13200 16500	8000 16000 20000	3200 6400 8000	6300 12600 15800
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371	385	441	484	319	521
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DN50 DIN2566	DN50 DIN2566	DN50 DIN2566	DN50 DIN2566	DN50 DIN2566	DN50 DIN2566
DN50 DIN2566	DN50 DIN2566	DN50 DIN2566	DN50 DIN2566	DN50 DIN2566	DN50 DIN2566
R410A 7,2	R410A 8,2	R410A 11,2	R410A 13,4	R134a 6,7	R134a 12,8
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3~/PE/400V/50Hz C32	3~/PE/400V/50Hz C40	3~/PE/400V/50Hz C50	3~/PE/400V/50Hz C50	3~/PE/400V/50Hz C40	3~/PE/400V/50Hz C50
1~/N/PE/230V/50Hz B16	1~/N/PE/230V/50Hz B16	1~/N/PE/230V/50Hz B16	1~/N/PE/230V/50Hz B16	1~/N/PE/230V/50Hz B16	1~/N/PE/230V/50Hz B16
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8,3 14,4 0,83	9,8 19,1 0,74	12,6 22,5 0,81	16,0 28,6 0,81	7,0 15,2 0,66	13,9 28,2 0,71
31	34	40	48,5	34	45,6
140 26	174 37	225 88	272 85	174 82	310 105
20	20	20	20	20	20
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