



PRODUCT BROCHURE

Water Cooled Semi-hermetic Screw Chiller



R22,R407c,R134a Refrigeration

Cooling only

Screw Type compressor

3PH, 380V~400V, 50Hz

PLC controls

Features

With LCD operation interface, convenient very much

Set password to protect the parameters in the controller

Balance the compressor running load and add or reduce the load automatically, get the optimum efficiency

Supply the stable recycling water temperature, precise control

Self-diagnosis function and auto-lock function

Technology advantage

Compressor characteristic

Screw compressor parameters:

1) Inner oil segregator (throwing type oil segregation, enhance efficiency, lower noise level), and pressure difference type oil supply (replace the conventional oil pump part, enhance the reliability).

2) 3-phase/2-pole AC scalperator motor, cool down by absorbing air, direct inter-operation (reduce the transmission loss)

3) Adjust capacity by piston driving slide

4) Revolution rate: 2900~2950rpm

5) Insulation class: F-class

6) Be equipped with coil temperature sensor, discharging temperature sensor, electronic protector, oil pressure difference protection etc.

Refrigerant: R22,R407C,R134a

Heat exchanger:

Adopts high efficient heat exchanger. Herein, the evaporator is shell&tube type heat exchanger. For the twin-compressor unit, heat exchanger adopts independent system in parallel, which makes the control more flexible.

Electric control box assembly

The control system is composed of touch screen + PLC controller. It includes the auto/manual mode changeover, data setting and the protections, such as compressor over load protection, high/low pressure protection, oil level/oil pressure difference protection, cycling water/cooling water flow protection, super low temperature of cooling water protection, etc.

Electric expansion valve

Specifications

R22,R407c Single Set Screw Compressor models(dry type)

Model	SWC	210	380	460	500	580	
Nominal cooling capacity	KW	210	379	449	503	577	
	Rt	60	108	130	142	165	
Total power input	KW	42	75	90	98	110	
Power supply		3N~, AC380V, 50Hz					
Running control method		Programmable logistic control, fully automation					
Appearance colour		black					
Capacity control range		25% startup, 50%~100%, stepped capacity control					
Safe protection		water-lackage delay protection,high and low pressure switch, freeze protection device, overheat protection, overload protection device,phase sequence and short of phase protection, safety valve					
Compressor	type		semi-hermetic screws compressor(R22)				
	quantity	set	one				
	refigeration		R22/R407C				
	startup type		Y-Δ				
Evaporator	type		Shell & tube, designed permitted pressure: 1.4MPa				
	water flow range	m ³ /h	36.1	65	77	86	99
	water resistance	kPa	70-90				
	water inlet/outlet pipe diameter	mm	DN80	DN100	DN125	DN125	DN125
	evaporator water drain pipe	mm	Rc1/2"				
	insulation material		NBR-PVC				
Condenser	type		Shell & tube, designed permitted pressure: 1.9MPa				
	water flow range	m ³ /h	43.8	78	93	103	118
	water resistance	kPa	70-90				
	water inlet/outlet pipe diameter	mm	DN80	DN100	DN125	DN125	DN125
	condenser water drain pipe	mm	Rc1/2"				
External dimension	length	mm	3050	3050	3050	3440	3440
	width	mm	1120	1120	1120	1120	1220
	height	mm	1920	1920	2000	2000	1620
Refrigerant charge	kg	41	62	74	81	92	
Refrigeration system (circuit quantity)		1					
Refrigeration control method		Electric expansion valve					
Noise level	DB/(A)	65	66	68	70	72	
Net weight	kg	1370	1750	2370	2760	2880	
Running weight	kg	1500	1950	2570	3000	3100	

Nominal working condition:chilled water inlet/outlet temp. 12/7°C , cooling water inlet/outlet temp. 32/37°C

R22,R407c Single Set Screw Compressor models(dry type)

Model		SWC	700	820	940	1100
Nominal cooling capacity		KW	704	817	934	1066
		Rt	200	230	268	313
Total power input		KW	136	154	172	195
Power supply			3N~, AC380V, 50Hz			
Running control method			Programmable logistic control, fully automation			
Appearance colour			black			
Capacity control range			25% startup, 50%~100%, stepped capacity control			
Safe protection			water-lackage delay protection,high and low pressure switch, freeze protection device, overheat protection, overload protection device,phase sequence and short of phase protection, safety valve			
Compressor	type		semi-hermetic twin screws compressor			
	quantity	set	one			
	refrigeration		R22/R407c			
	startup type		Y-Δ			
Evaporator	type		Shell & tube, designed permitted pressure: 1.4MPa			
	water flow range	m ³ /h	121	140	161	183
	water resistance	kPa	70-90			
	water inlet/outlet pipe diameter	mm	DN150	DN150	DN150	DN150
	evaporator water drain pipe	mm	Rc1/2"			
	insulation material		NBR-PVC			
Condenser	type		Shell & tube, designed permitted pressure: 1.9MPa			
	water flow range	m ³ /h	145	167	190	217
	water resistance	kPa	70-90			
	water inlet/outlet pipe diameter	mm	DN150	DN150	DN150	DN150
	condenser water drain pipe	mm	Rc1/2"			
External dimension	length	mm	3440	3440	3440	3480
	width	mm	1340	1340	1340	1340
	height	mm	1650	1650	1650	1680
Refrigerant charge		kg	111	128	145	164
Refrigeration system (circuit quantity)			1			
Refrigeration control method			Electric expansion valve			
Noise level		DB/(A)	73	73	73	75
Net weight		kg	3400	3500	3780	4250
Running weight		kg	3700	3850	4050	4600

Nominal working condition:chilled water inlet/outlet temp. 12/7°C, cooling water inlet/outlet temp. 32/37°C

R22,R407c twin Sets Screw Compressor models(dry type)

Model	SWC	760	920	1000	1160
Nominal cooling capacity	KW	757	899	1005	1153
	Rt	215	262	285	330
Power supply		3N~, AC380V, 50Hz			
Running control method		Programmable logistic control, fully automation			
Appearance colour		black			
Capacity control range		12.5% startup, 25%~100%, stepped capacity control			
Safe protection		water-lackage delay protection,high and low pressure switch, freeze protection device, overheat protection, overload protection device,phase sequence and short of phase protection, safety valve			
Compressor	type		semi-hermetic twin screws compressor		
	quantity	set	2	2	2
	startup type		Y-Δ		
	refrigeration		R22/R407c		
Evaporator	type		Shell & tube, designed permitted pressure: 1.4MPa		
	water flow range	m ³ /h	130	155	173
	water resistance	kPa	70-90		
	water inlet/outlet pipe diameter	DN	150	150	150
	evaporator water drain pipe	mm	Rc1/2"		
	insulation material		NBR-PVC		
Condenser	type		Shell & tube, designed permitted pressure: 1.9MPa		
	water flow range	m ³ /h	156	186	207
	water resistance	kPa	70-90		
	water inlet/outlet pipe diameter	DN	150	150	150
	condenser water drain pipe	mm	Rc1/2"		
External dimension	length	mm	4300	4550	4550
	width	mm	1230	1200	1200
	height	mm	2200	2250	2250
Refrigeration system (circuit quantity)		2			
Refrigeration control method		Electric expansion valve			
Noise level	DB/(A)	73	73	75	76
Net weight	kg	4200	4400	4560	5200
Running weight	kg	4650	4850	5000	5700

Nominal working condition: chilled water inlet/outlet temp. 12/7°C, cooling water inlet/outlet temp. 32/37°C

R22,R407c twin Sets Screw Compressor models(dry type)

Model	SWC	1400	1640	1880	2200
Nominal cooling capacity	KW	1409	1633	1868	2131
	Rt	400	466	535	625
Power supply		3N~, AC380V, 50Hz			
Running control method		Programmable logistic control, fully automation			
Appearance colour		black			
Capacity control range		12.5% startup, 25%~100%, stepped capacity control			
Safe protection		water-lackage delay protection,high and low pressure switch, freeze protection device, overheat protection, overload protection device,phase sequence and short of phase protection, safety valve			
Compressor	type		semi-hermetic twin screws compressor		
	quantity	set	2	2	2
	startup type		Y-Δ		
	refrigeration		R22/R407c		
Evaporator	type		Shell & tube, designed permitted pressure: 1.4MPa		
	water flow range	m ³ /h	242	281	321
	water resistance	kPa	70-90		
	water inlet/outlet pipe diameter	DN	200	200	200
	evaporator water drain pipe	mm	Rc1/2"		
	insulation material		NBR-PVC		
Condenser	type		Shell & tube, designed permitted pressure: 1.9MPa		
	water flow range	m ³ /h	289	334	381
	water resistance	kPa	70-90		
	water inlet/outlet pipe diameter	DN	200	200	200
	condenser water drain pipe	mm	Rc1/2"		
External dimension	length	mm	4550	4550	4550
	width	mm	1680	1680	1680
	height	mm	1920	1920	1920
Refrigeration system (circuit quantity)		2			
Refrigeration control method		Electric expansion valve			
Noise level	DB/(A)	75	75	75	76
Net weight	kg	5250	5700	6230	7100
Running weight	kg	5800	6300	6900	7800

Nominal working condition: chilled water inlet/outlet temp. 12/7°C, cooling water inlet/outlet temp. 32/37°C

R22,R407c Single Set Screw Compressor models(flood type)



Model	SWC	400	500	560	640	
Nominal cooling capacity	KW	402	487	561	637	
	Rt	114	142	160	182	
Power supply		3N~, AC380V, 50Hz				
Running control method		Programmable logistic control, fully automation				
Appearance colour		black				
Capacity control range		12.5% startup, 25%~100%, stepped capacity control				
Safe protection		water-lackage delay protection,high and low pressure switch, freeze protection device, overheat protection, overload protection device,phase sequence and short of phase protection, safety valve				
Compressor	type		semi-hermetic twin screws compressor			
	quantity	set	1	1	1	1
	startup type		Y-Δ			
	refrigeration		R22/R407c			
Evaporator	type		Shell & tube, designed permitted pressure: 1.4MPa			
	water flow range	m ³ /h	69	84	97	110
	water resistance	kPa	70-90			
	water inlet/outlet pipe diameter	DN	100	100	125	125
	evaporator water drain pipe	mm	Rc1/2"			
	insulation material		NBR-PVC			
Condenser	type		Shell & tube, designed permitted pressure: 1.9MPa			
	water flow range	m ³ /h	82	99	113	129
	water resistance	kPa	70-90			
	water inlet/outlet pipe diameter	DN	100	100	125	125
	condenser water drain pipe	mm	Rc1/2"			
External dimension	length	mm	3400	3400	3400	3400
	width	mm	1320	1400	1400	1460
	height	mm	1650	1680	1680	1700
Refrigeration system (circuit quantity)		1				
Refrigeration control method		Electric expansion valve				
Noise level	DB/(A)	73	73	73	74	
Net weight	kg	1800	2450	2850	2950	
Running weight	kg	1950	2600	3020	3120	

Nominal working condition:chilled water inlet/outlet temp. 12/7°C , cooling water inlet/outlet temp. 32/37°C

R22,R407c Single Set Screw Compressor models(flood type)



Model		SWC	760	920	1100	1200
Nominal cooling capacity	KW		747	910	1044	1190
	Rt		216	262	313	341
Power supply			3N~, AC380V, 50Hz			
Running control method			Programmable logistic control, fully automation			
Appearance colour			black			
Capacity control range			12.5% startup, 25%~100%, stepped capacity control			
Safe protection			water-lackage delay protection,high and low pressure switch, freeze protection device, overheat protection, overload protection device,phase sequence and short of phase protection, safety valve			
Compressor	type		semi-hermetic twin screws compressor			
	quantity	set	1	1	1	1
	startup type		Y-Δ			
	refrigeration		R22/R407c			
Evaporator	type		Shell & tube, designed permitted pressure: 1.4MPa			
	water flow range	m ³ /h	128	157	180	205
	water resistance	kPa	70-90			
	water inlet/outlet pipe diameter	DN	150	150	150	150
	evaporator water drain pipe	mm	Rc1/2"			
	insulation material		NBR-PVC			
Condenser	type		Shell & tube, designed permitted pressure: 1.9MPa			
	water flow range	m ³ /h	150	183	210	239
	water resistance	kPa	70-90			
	water inlet/outlet pipe diameter	DN	150	150	150	150
	condenser water drain pipe	mm	Rc1/2"			
External dimension	length	mm	3400	3400	3400	3400
	width	mm	1650	1650	1720	1720
	height	mm	1810	1810	1850	1850
Refrigeration system (circuit quantity)			1			
Refrigeration control method			Electric expansion valve			
Noise level	DB/(A)		74	75	75	75
Net weight	kg		3500	3600	3900	4360
Running weight	kg		3650	3750	4100	4560

Nominal working condition:chilled water inlet/outlet temp. 12/7°C, cooling water inlet/outlet temp. 32/37°C

R22,R407c twin Sets Screw Compressor models(flood type)



Model		SWC	800	1000	1120	1280
Nominal cooling capacity		KW	804	974	1122	1274
		Rt	227	284	318	364
Power supply			3N~, AC380V, 50Hz			
Running control method			Programmable logistic control, fully automation			
Appearance colour			black			
Capacity control range			12.5% startup, 25%~100%, stepped capacity control			
Safe protection			water-lackage delay protection,high and low pressure switch, freeze protection device, overheat protection, overload protection device,phase sequence and short of phase protection, safety valve			
Compressor	type		semi-hermetic twin screws compressor			
	quantity	set	2	2	2	2
	startup type		Y-Δ			
	refrigeration		R22/R407c			
Evaporator	type		Shell & tube, designed permitted pressure: 1.4MPa			
	water flow range	m ³ /h	138	168	193	219
	water resistance	kPa	70-90			
	water inlet/outlet pipe diameter	DN	150	150	150	200
	evaporator water drain pipe	mm	Rc1/2"			
	insulation material		NBR-PVC			
Condenser	type		Shell & tube, designed permitted pressure: 1.9MPa			
	water flow range	m ³ /h	164	198	227	258
	water resistance	kPa	70-90			
	water inlet/outlet pipe diameter	DN	150	150	150	200
	condenser water drain pipe	mm	Rc1/2"			
External dimension	length	mm	4100	4200	4200	4200
	width	mm	1500	1550	1550	1650
	height	mm	1820	1860	1860	1900
Refrigeration system (circuit quantity)			2			
Refrigeration control method			Electric expansion valve			
Noise level		DB/(A)	75	75	75	75
Net weight		kg	4380	4580	4720	5380
Running weight		kg	4500	4800	4950	5620

Nominal working condition:chilled water inlet/outlet temp. 12/7°C , cooling water inlet/outlet temp. 32/37°C

R134a Single Set Screw Compressor models(dry type)



Model		SWC	240	280	320	380
Nominal cooling capacity		KW	243	267	310	373
		Rt	68	80	90	108
Power supply			3N~, AC380V, 50Hz			
Running control method			Programmable logistic control, fully automation			
Appearance colour			black			
Capacity control range			12.5% startup, 25%~100%, stepped capacity control			
Safe protection			water-lackage delay protection,high and low pressure switch, freeze protection device, overheat protection, overload protection device,phase sequence and short of phase protection, safety valve			
Compressor	type		semi-hermetic twin screws compressor			
	quantity	set	1	1	1	1
	startup type		Y-Δ			
	refrigeration		R134a			
Evaporator	type		Shell & tube, designed permitted pressure: 1.4MPa			
	water flow range	m ³ /h	42	46	53	64
	water resistance	kPa	70-90			
	water inlet/outlet pipe diameter	DN	100	100	100	100
	evaporator water drain pipe	mm	Rc1/2"			
	insulation material		NBR-PVC			
Condenser	type		Shell & tube, designed permitted pressure: 1.9MPa			
	water flow range	m ³ /h	51	56	65	78
	water resistance	kPa	70-90			
	water inlet/outlet pipe diameter	DN	100	100	100	100
	condenser water drain pipe	mm	Rc1/2"			
External dimension	length	mm	3480	3480	3050	3480
	width	mm	1300	1300	1150	1300
	height	mm	1600	1600	1930	1600
Refrigeration system (circuit quantity)			1			
Refrigeration control method			Electric expansion valve			
Noise level		DB/(A)	70	72	73	73
Net weight		kg	1800	2450	2850	2950
Running weight		kg	1950	2600	3020	3120

Nominal working condition:chilled water inlet/outlet temp. 12/7°C, cooling water inlet/outlet temp. 32/37°C

R134a Single Set Screw Compressor models(dry type)



Model		SWC	440	500	540	680
Nominal cooling capacity		KW	425	493	540	685
		Rt	125	142	154	193
Power supply			3N~, AC380V, 50Hz			
Running control method			Programmable logistic control, fully automation			
Appearance colour			black			
Capacity control range			12.5% startup, 25%~100%, stepped capacity control			
Safe protection			water-lackage delay protection,high and low pressure switch, freeze protection device, overheat protection, overload protection device,phase sequence and short of phase protection, safety valve			
Compressor	type		semi-hermetic twin screws compressor			
	quantity	set	1	1	1	1
	startup type		Y-Δ			
	refrigeration		R134a			
Evaporator	type		Shell & tube, designed permitted pressure: 1.4MPa			
	water flow range	m ³ /h	73	85	93	118
	water resistance	kPa	70-90			
	water inlet/outlet pipe diameter	DN	100	125	125	150
	evaporator water drain pipe	mm	Rc1/2"			
	insulation material		NBR-PVC			
Condenser	type		Shell & tube, designed permitted pressure: 1.9MPa			
	water flow range	m ³ /h	88	102	112	141
	water resistance	kPa	70-90			
	water inlet/outlet pipe diameter	DN	100	125	125	150
	condenser water drain pipe	mm	Rc1/2"			
External dimension	length	mm	3480	3480	3480	3480
	width	mm	1340	1340	1340	1340
	height	mm	1680	1680	1680	1680
Refrigeration system (circuit quantity)			1			
Refrigeration control method			Electric expansion valve			
Noise level		DB/(A)	73	72	73	73
Net weight		kg	3500	3600	3900	4360
Running weight		kg	3650	3750	4100	4560

Nominal working condition:chilled water inlet/outlet temp. 12/7°C , cooling water inlet/outlet temp. 32/37°C

R134a Twin Sets Screw Compressor models(dry type)

Model		SWC	480	560	640	760
Nominal cooling capacity	KW		486	535	621	746
	Rt		136	160	182	216
Power supply			3N~, AC380V, 50Hz			
Running control method			Programmable logistic control, fully automation			
Appearance colour			black			
Capacity control range			12.5% startup, 25%~100%, stepped capacity control			
Safe protection			water-lackage delay protection,high and low pressure switch, freeze protection device, overheat protection, overload protection device,phase sequence and short of phase protection, safety valve			
Compressor	type		semi-hermetic twin screws compressor			
	quantity	set	2	2	2	2
	startup type		Y-Δ			
	refrigeration		R134a			
Evaporator	type		Shell & tube, designed permitted pressure: 1.4MPa			
	water flow range	m ³ /h	84	92	107	128
	water resistance	kPa	70-90			
	water inlet/outlet pipe diameter	DN	125	125	150	150
	evaporator water drain pipe	mm	Rc1/2"			
	insulation material		NBR-PVC			
Condenser	type		Shell & tube, designed permitted pressure: 1.9MPa			
	water flow range	m ³ /h	102	112	130	155
	water resistance	kPa	70-90			
	water inlet/outlet pipe diameter	DN	125	125	150	150
	condenser water drain pipe	mm	Rc1/2"			
External dimension	length	mm	4550	4550	4550	4550
	width	mm	1200	1200	1200	1500
	height	mm	2000	2100	2150	1770
Refrigeration system (circuit quantity)			2			
Refrigeration control method			Electric expansion valve			
Noise level	DB/(A)		74	75	75	75
Net weight	kg		4380	4580	4720	5380
Running weight	kg		4500	4800	4950	5620

Nominal working condition:chilled water inlet/outlet temp. 12/7°C , cooling water inlet/outlet temp. 32/37°C

R134a Twin Sets Screw Compressor models(dry type)



Model		SWC	880	1000	1200	1360
Nominal cooling capacity	KW		850	986	1081	1371
	Rt		250	284	341	387
Power supply			3N~, AC380V, 50Hz			
Running control method			Programmable logistic control, fully automation			
Appearance colour			black			
Capacity control range			12.5% startup, 25%~100%, stepped capacity control			
Safe protection			water-lackage delay protection,high and low pressure switch, freeze protection device, overheat protection, overload protection device,phase sequence and short of phase protection, safety valve			
Compressor	type		semi-hermetic twin screws compressor			
	quantity	set	2	2	2	2
	startup type		Y-Δ			
	refrigeration		R134a			
Evaporator	type		Shell & tube, designed permitted pressure: 1.4MPa			
	water flow range	m ³ /h	146	170	186	236
	water resistance	kPa	70-90			
	water inlet/outlet pipe diameter	DN	150	150	200	200
	evaporator water drain pipe	mm	Rc1/2"			
	insulation material		NBR-PVC			
Condenser	type		Shell & tube, designed permitted pressure: 1.9MPa			
	water flow range	m ³ /h	176	203	223	282
	water resistance	kPa	70-90			
	water inlet/outlet pipe diameter	DN	150	150	200	200
	condenser water drain pipe	mm	Rc1/2"			
External dimension	length	mm	4550	4550	4550	4550
	width	mm	1500	1500	1550	1550
	height	mm	1820	1850	1850	1920
Refrigeration system (circuit quantity)			2			
Refrigeration control method			Electric expansion valve			
Noise level	DB/(A)		75	75	75	75
Net weight	kg		5420	5920	6450	7150
Running weight	kg		5660	6220	6750	7500

Nominal working condition: chilled water inlet/outlet temp. 12/7°C, cooling water inlet/outlet temp. 32/37°C

R134a Single Set Screw Compressor models(flood type)

Model		SWC	260	300	340	400
Nominal cooling capacity	KW		267	294	342	411
	Rt		74	85	97	114
Power supply			3N~, AC380V, 50Hz			
Running control method			Programmable logistic control, fully automation			
Appearance colour			black			
Capacity control range			12.5% startup, 25%~100%, stepped capacity control			
Safe protection			water-lackage delay protection,high and low pressure switch, freeze protection device, overheat protection, overload protection device,phase sequence and short of phase protection, safety valve			
Compressor	type		semi-hermetic twin screws compressor			
	quantity	set	1	1	1	1
	startup type		Y-Δ			
	refrigeration		R134a			
Evaporator	type		Shell & tube, designed permitted pressure: 1.4MPa			
	water flow range	m ³ /h	46	51	59	71
	water resistance	kPa	70-90			
	water inlet/outlet pipe diameter	DN	100	100	100	100
	evaporator water drain pipe	mm	Rc1/2"			
	insulation material		NBR-PVC			
Condenser	type		Shell & tube, designed permitted pressure: 1.9MPa			
	water flow range	m ³ /h	55	61	70	84
	water resistance	kPa	70-90			
	water inlet/outlet pipe diameter	DN	100	100	100	100
	condenser water drain pipe	mm	Rc1/2"			
External dimension	length	mm	3400	3400	3400	3400
	width	mm	1320	1400	1400	1460
	height	mm	1650	1680	1680	1700
Refrigeration system (circuit quantity)			1			
Refrigeration control method			Electric expansion valve			
Noise level	DB/(A)		73	72	73	73
Net weight	kg		1800	2450	2850	2950
Running weight	kg		1950	2600	3020	3120

Nominal working condition: chilled water inlet/outlet temp. 12/7°C, cooling water inlet/outlet temp. 32/37°C

R134a Single Set Screw Compressor models(flood type)

Model		SWC	460	560	600	760
Nominal cooling capacity	KW		468	543	595	755
	Rt		131	160	170	216
Power supply			3N~, AC380V, 50Hz			
Running control method			Programmable logistic control, fully automation			
Appearance colour			black			
Capacity control range			12.5% startup, 25%~100%, stepped capacity control			
Safe protection			water-lackage delay protection,high and low pressure switch, freeze protection device, overheat protection, overload protection device,phase sequence and short of phase protection, safety valve			
Compressor	type		semi-hermetic twin screws compressor			
	quantity	set	1	1	1	1
	startup type		Y-Δ			
	refrigeration		R134a			
Evaporator	type		Shell & tube, designed permitted pressure: 1.4MPa			
	water flow range	m ³ /h	81	93	102	130
	water resistance	kPa	70-90			
	water inlet/outlet pipe diameter	DN	100	125	125	150
	evaporator water drain pipe	mm	Rc1/2"			
	insulation material		NBR-PVC			
Condenser	type		Shell & tube, designed permitted pressure: 1.9MPa			
	water flow range	m ³ /h	95	110	121	153
	water resistance	kPa	70-90			
	water inlet/outlet pipe diameter	DN	100	125	125	150
	condenser water drain pipe	mm	Rc1/2"			
External dimension	length	mm	3400	3400	3400	3400
	width	mm	1650	1650	1720	1720
	height	mm	1810	1810	1850	1850
Refrigeration system (circuit quantity)			1			
Refrigeration control method			Electric expansion valve			
Noise level	DB/(A)		74	74	75	75
Net weight	kg		3500	3600	3900	4360
Running weight	kg		3650	3750	4100	4560

Nominal working condition: chilled water inlet/outlet temp. 12/7°C, cooling water inlet/outlet temp. 32/37°C

R134a Twin Sets Screw Compressor models(flood type)

Model		SWC	520	600	680	800
Nominal cooling capacity	KW		535	589	683	821
	Rt		148	170	193	227
Power supply			3N~, AC380V, 50Hz			
Running control method			Programmable logistic control, fully automation			
Appearance colour			black			
Capacity control range			12.5% startup, 25%~100%, stepped capacity control			
Safe protection			water-lackage delay protection,high and low pressure switch, freeze protection device, overheat protection, overload protection device,phase sequence and short of phase protection, safety valve			
Compressor	type		semi-hermetic twin screws compressor			
	quantity	set	2	2	2	2
	startup type		Y-Δ			
	refrigeration		R134a			
Evaporator	type		Shell & tube, designed permitted pressure: 1.4MPa			
	water flow range	m ³ /h	92	101	118	141
	water resistance	kPa	70-90			
	water inlet/outlet pipe diameter	DN	125	125	150	150
	evaporator water drain pipe	mm	Rc1/2"			
	insulation material		NBR-PVC			
Condenser	type		Shell & tube, designed permitted pressure: 1.9MPa			
	water flow range	m ³ /h	110	122	140	168
	water resistance	kPa	70-90			
	water inlet/outlet pipe diameter	DN	125	125	150	150
	condenser water drain pipe	mm	Rc1/2"			
External dimension	length	mm	4100	4200	4200	4200
	width	mm	1500	1550	1550	1650
	height	mm	1820	1860	1860	1900
Refrigeration system (circuit quantity)			2			
Refrigeration control method			Electric expansion valve			
Noise level	DB/(A)		75	74	75	75
Net weight	kg		4380	4580	4720	5380
Running weight	kg		4500	4800	4950	5620

Nominal working condition: chilled water inlet/outlet temp. 12/7°C, cooling water inlet/outlet temp. 32/37°C

R134a Twin Sets Screw Compressor models(flood type)

Model		SWC	920	1120	1200	1520
Nominal cooling capacity	KW		936	1086	1190	1510
	Rt		262	318	341	432
Power supply			3N~, AC380V, 50Hz			
Running control method			Programmable logistic control, fully automation			
Appearance colour			black			
Capacity control range			12.5% startup, 25%~100%, stepped capacity control			
Safe protection			water-lackage delay protection,high and low pressure switch, freeze protection device, overheat protection, overload protection device,phase sequence and short of phase protection, safety valve			
Compressor	type		semi-hermetic twin screws compressor			
	quantity	set	2	2	2	2
	startup type		Y-Δ			
	refrigeration		R134a			
Evaporator	type		Shell & tube, designed permitted pressure: 1.4MPa			
	water flow range	m ³ /h	161	187	205	260
	water resistance	kPa	70-90			
	water inlet/outlet pipe diameter	DN	150	150	200	200
	evaporator water drain pipe	mm	Rc1/2"			
	insulation material		NBR-PVC			
Condenser	type		Shell & tube, designed permitted pressure: 1.9MPa			
	water flow range	m ³ /h	191	220	242	305
	water resistance	kPa	70-90			
	water inlet/outlet pipe diameter	DN	150	150	200	200
	condenser water drain pipe	mm	Rc1/2"			
External dimension	length	mm	4460	4950	5150	5200
	width	mm	1750	1750	1750	1900
	height	mm	1970	1970	1970	2020
Refrigeration system (circuit quantity)			2			
Refrigeration control method			Electric expansion valve			
Noise level	DB/(A)		75	74	75	75
Net weight	kg		5420	5920	6450	7150
Running weight	kg		5660	6220	6750	7500

Nominal working condition: chilled water inlet/outlet temp. 12/7°C, cooling water inlet/outlet temp. 32/37°C