

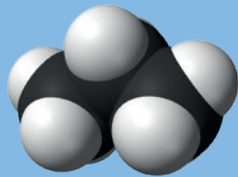
Compressors



WE HAVE
COMPRESSORS THAT
CAN ALSO WORK WITH:



R-290
R-600a



PROPANE

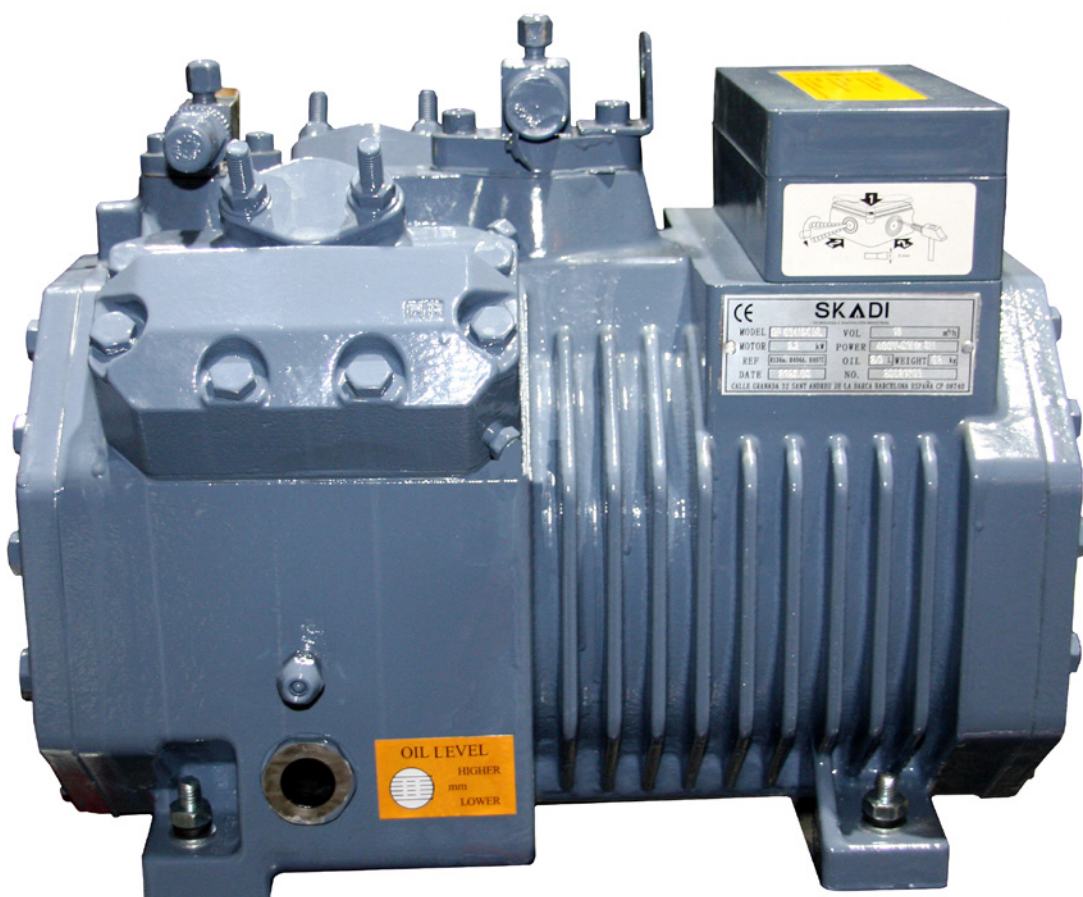
*The best solutions and
products at your service.*



SKADI
TECHNOLOGY AND INDUSTRIAL INNOVATION

Alternative Compressors

3-50 Hp, 18-154m³/h, 50Hz



Introduction

Semi-hermetic reciprocating compressors are ideal for solving countless applications in the field of industry and commerce, and to a lesser extent in specific air conditioning projects.

Our SP Series compressors fit perfectly into a wide variety of applications. Although already known for its high-quality and reliable reciprocating compressors, **SKADI** has continued to invest in research and new technologies, to constantly improve this range, which is now characterized by its high efficiency and silent operation.

SP Series compressors can be used in expanded applications or adapted to new smaller or larger sizes.

Precisely, today, the SP Series consists of 32 models, with 4 or 6 cylinders.

Its nominal power and displacement range range from 3 to 50 [Hp] and from 18 to 154 [m³/h], respectively.

Benefits

Flexibility for a wide range of applications

The SP Series can be used with chlorine-free refrigerants R-407C, R-134a, R-449A, R-507 and R-600a without the need for any mechanical changes.

Developed specifically for air conditioning and refrigeration applications at medium or low evaporation temperatures, this range can work up to a condensation temperature of 70 °C with R-134a and an evaporation temperature of -40 °C with R-449A, R-507 and R-600a.

It is available with full size electric motors (H) – for high and medium temperature systems – or with small size electric motors (L) – for low temperature systems.

- **Efficiency**
- **Optimized lubrication**
- **Reliability and operational safety**
- **Volume and stability**
- **Installation**

Model classification

SKADY	Model	Power of the compressor	Number	Displacement	Oil	Application
	S P	03	4	18	X	M L
SKADY	P: Piston S: Screw	Hp	Pistons	m ³	POE	M: Medium temperature H: High temperature L: Low temperature

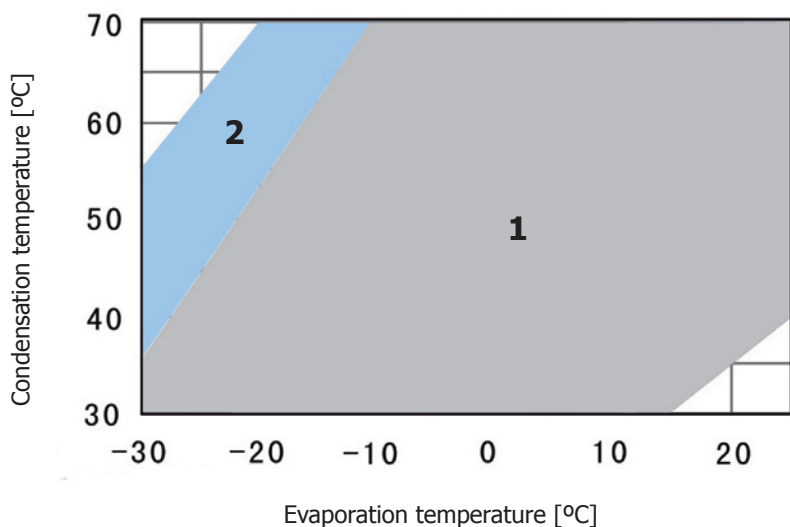


Technical data

MODEL	Number of cylinders	Power Engine	Displacement at 50Hz	Electrical power supply		Maximum current	Maximum power	Line of aspiration internal Ø	Line of download internal Ø	Load of oil	Weight
		[Hp/kW]	[m ³ /hr]			MRA	kW	[mm/inch.]	[mm/inch.]	[dm ³]	[Kg]
SP 03418X ML	4	3 / 2,2	18	Δ - 220 V / 3~/50 Hz / 4p Δ - 260 V / 3~/60 Hz / 4p Y - 380 V / 3~/50 Hz / 4p Y - 440 V / 3~/60 Hz / 4p		16 / 9	5,4	22 / 7/8"	16 / 5/8"	2,0	82
SP 05427X ML		5 / 3,7	27			23 / 14	8,0	28 / 1 1/8"	22 / 7/8"		86
SP 07427X HL		7 / 4,5	27			28 / 16	9,0				89
SP 06433X ML		6 / 4,5	33			28 / 16	9,0				91
SP 09433X HL		9 / 5,6	33			35 / 20	11,6				91
SP 06434X ML		6 / 4,5	34	380 YY / 3 / 50 440 YY / 3 / 60		10,0	6	28 / 1 1/8"	22 / 7/8"	2,6	129
SP 10434X HL		10 / 7,4	34			19,9	12	139			
SP 08441X ML		8 / 7,4	41			12,1	7	35 / 1 3/8"	28 / 1 1/8"		134
SP 12441X HL		12 / 9,3	41			25,1	14				141
SP 10448X ML		10 / 7,4	48			13,6	8				139
SP 15448X HL		15 / 11,1	48			28,2	16				42 / 1 5/8"
SP 12456X ML		12 / 9,3	56			15,9	9	35 / 1 3/8"	141		
SP 20456X HL		20 / 15	56			33,2	19	42 / 1 5/8"	150		
SP 15471X ML		15 / 11,1	71			36,7	22	42	28	4	183
SP 25471X HL		25 / 19	71			44	25	194			
SP 20486X ML		20 / 15	86			43,9	27	4,5		192	
SP 30486X HL	30 / 22	86	51,2			28	206				
SP 256106X ML	25 / 18,5	106	53,2			33	54	35	4,8	224	
SP 356106X HL	35 / 26	106	64,4			36				235	
SP 306129X ML	30 / 22	129	65,5			40				228	
SP 406129X HL	40 / 30	129	73,9			42		238			
SP 406154X ML	40 / 30	154	83,2	46	42	238					
SP 506154X HL	50 / 37	154	96,2	51		241					

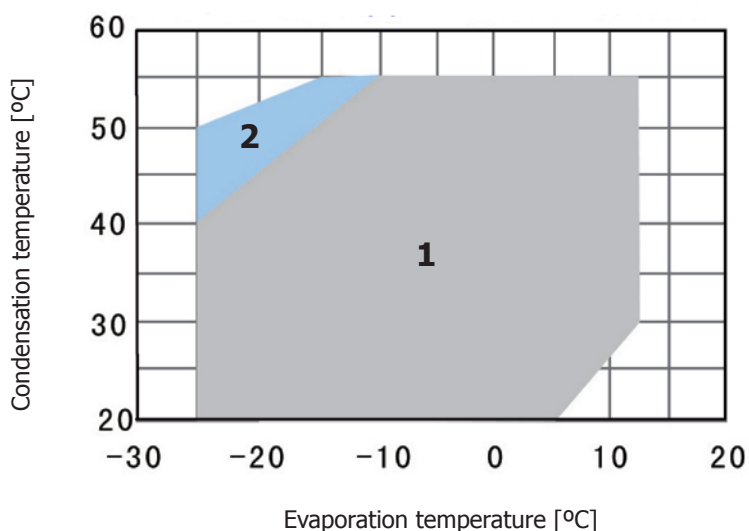
Specifications

R-134a Application limits



- The compressors can only operate in the range of conditions indicated in the drawing above. Please pay attention to different working conditions in different color ranges in the drawing so that the compressors can work stably and have a longer service life.
- The above is only for the normal application range. If you need a higher working range, please contact us for more information. For safety reasons, the design condition cannot be the boundary condition.

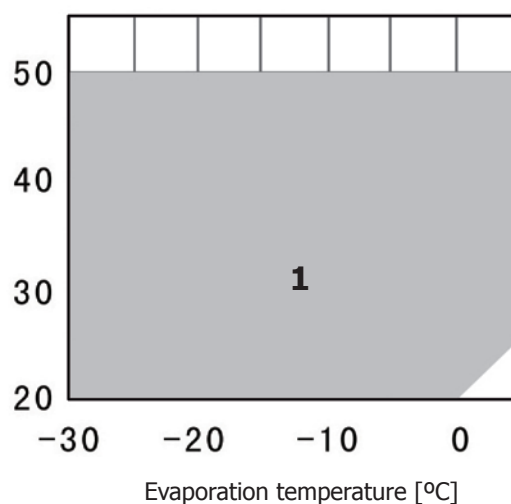
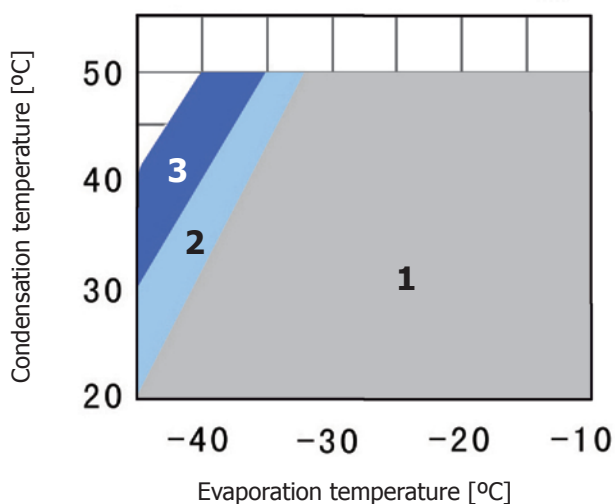
R-407C Application limits



The limits refer to full load operation.

- 1 = Standard applications (20 [°C] suction gas temperature).
- 2 = Control the suction temperature. Maintain suction superheat <15.
- 3 = Control the suction temperature. Maintain suction superheat <15. It is necessary to add cylinder head fan.

R-404A / R-507 Application limits

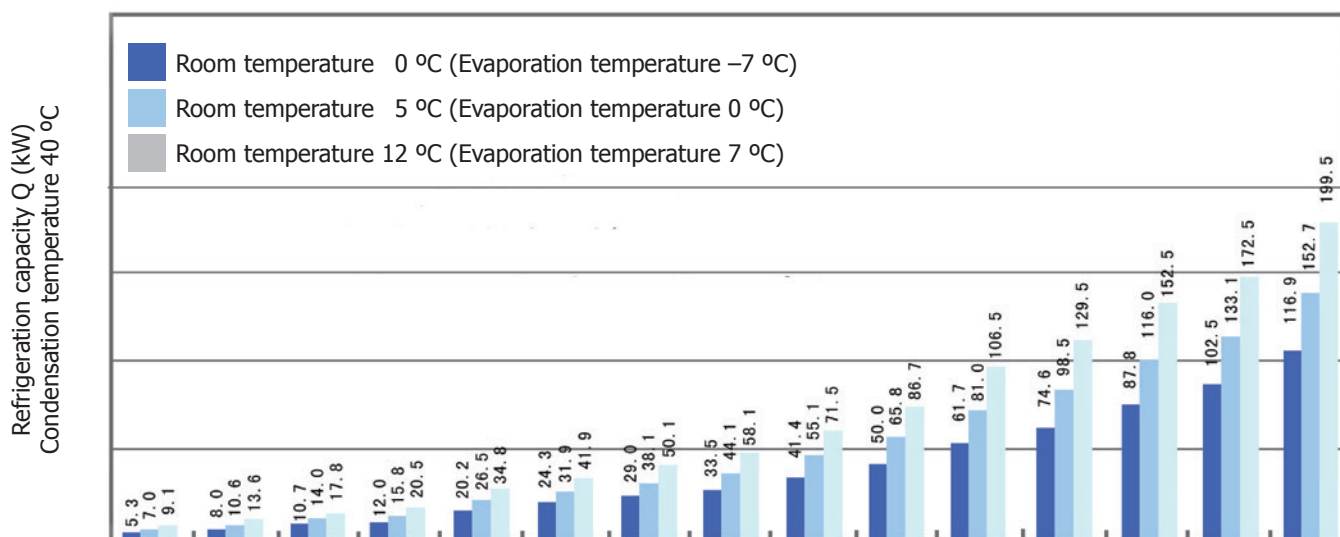


Specifications

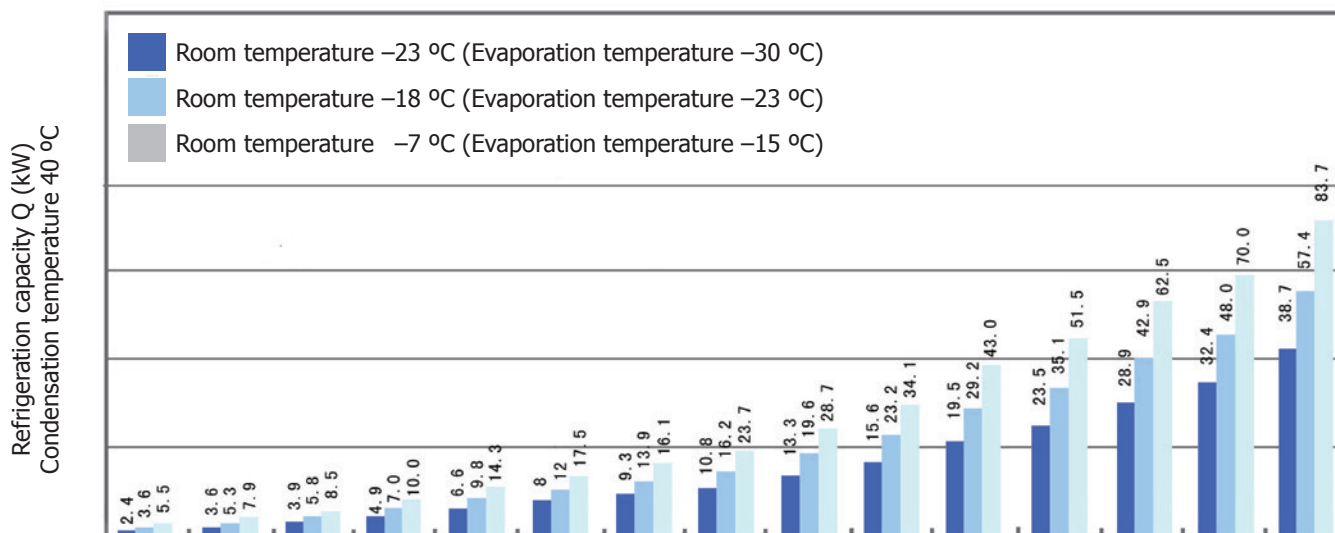


High efficiency compressors, with nominal powers from 3 to 50 Hp, and a displacement of 18 to 154 m³/h. This type of compressor has a valve plate and lubrication system applied. Import Hoerbiger.

Application for Medium-High temperature compressors (Temperature from +20 to -5 °C)



Application for Medium-Low temperature compressors (Temperature from -5 to -30 °C)



SP Series, R-404A

Performance and price table (aspirated gases +20 °C)

- Fan + cylinder head injection
- Cylinder head fan

Modelo	Temp. Cond. °C	Performance (W) with aspirated gas +20 °C																				Price €
		5 °C		0 °C		-5 °C		-10 °C		-15 °C		-20 °C		-25 °C		-30 °C		-35 °C		-40 °C		
		Q (Refrigeration capacity) W	P (Power electric) W	Q (Refrigeration capacity) W	P (Power electric) W	Q (Refrigeration capacity) W	P (Power electric) W	Q (Refrigeration capacity) W	P (Power electric) W	Q (Refrigeration capacity) W	P (Power electric) W	Q (Refrigeration capacity) W	P (Power electric) W	Q (Refrigeration capacity) W	P (Power electric) W	Q (Refrigeration capacity) W	P (Power electric) W	Q (Refrigeration capacity) W	P (Power electric) W	Q (Refrigeration capacity) W	P (Power electric) W	
SP 03418X ML	30			17.510	3.710	14.460	3.610	11.840	3.450	9.610	3.250	7.700	3.010	6.100	2.740	4.750	2.440	3.640	2.140	2.720	1.840	-
	40			14.840	4.440	12.260	4.230	10.040	3.960	8.140	3.660	6.520	3.330	5.140	2.970	3.990	2.610	3.030	2.240	2.250	1.890	
	50			12.030	5.030	9.940	4.710	8.140	4.350	6.580	3.960	5.250	3.540	4.120	3.110	3.170	2.680	2.380	2.260	1.730	1.850	
SP 05427X ML	30			26.200	5.640	21.750	5.470	17.860	5.220	14.540	4.890	11.700	4.510	9.280	4.080	7.250	3.630	5.550	3.160	4.140	2.700	-
	40			22.400	6.740	18.530	6.400	15.190	5.970	12.320	5.490	9.870	4.970	7.790	4.420	6.030	3.860	4.580	3.300	3.370	2.760	
	50			18.440	7.690	15.220	7.170	12.440	6.590	10.040	5.960	8.000	5.310	6.260	4.650	4.800	3.990	3.600	3.350	2.600	2.740	
SP 07427X HL	30	31.450	5.600	26.250	5.540	21.750	5.390	17.870	5.150	14.540	4.840	11.700	4.470	9.280	4.060	7.250	3.630	5.550	3.180	4.140	2.730	-
	40	26.900	6.810	22.400	6.570	18.540	6.250	15.190	5.850	12.320	5.400	9.870	4.910	7.790	4.390	6.040	3.850	4.580	3.310	3.370	2.790	
	50	22.150	7.830	18.430	7.430	15.220	6.960	12.440	6.420	10.040	5.840	8.000	5.230	6.260	4.610	4.810	3.980	3.600	3.360	2.600	2.770	
SP 06433X ML	30			31.750	6.820	26.300	6.610	21.650	6.290	17.610	5.880	14.160	5.400	11.220	4.870	8.730	4.310	6.650	3.740	4.930	3.170	-
	40			27.150	8.100	22.400	7.660	18.350	7.140	14.850	6.540	11.850	5.900	9.310	5.220	7.180	4.540	5.400	3.860	3.930	3.210	
	50			22.500	9.190	18.520	8.550	15.080	7.830	12.120	7.070	9.610	6.270	7.480	5.470	5.690	4.670	4.220	3.900	3.010	3.170	
SP 09433X HL	30	38.000	6.910	31.750	6.820	26.300	6.610	21.650	6.290	17.610	5.880	14.160	5.400	11.220	4.870	8.730	4.310	6.650	3.740	4.930	3.170	-
	40	32.600	8.420	27.150	8.100	22.400	7.660	18.350	7.140	14.850	6.540	11.850	5.900	9.310	5.220	7.180	4.540	5.400	3.860	3.930	3.210	
	50	27.100	9.750	22.500	9.190	18.520	8.550	15.080	7.830	12.120	7.070	9.610	6.270	7.480	5.470	5.690	4.670	4.220	3.900	3.010	3.170	
SP 06434X ML	30			34.100	7.150	28.150	6.920	23.000	6.550	18.590	6.070	14.820	5.520	11.600	4.910	8.890	4.270	6.630	3.640	4.750	3.040	-
	40			28.800	8.580	23.650	8.040	19.180	7.390	15.360	6.680	12.110	5.910	9.350	5.130	7.040	4.350	5.130	3.600	3.560	2.670	
	50			23.550	9.770	19.180	8.920	15.430	8.020	12.210	7.080	9.480	6.120	7.190	5.180	5.280	4.280	3.710	3.430	2.440	2.670	
SP 10434X HL	30	41.050	6.970	34.150	6.920	28.150	6.710	23.000	6.380	18.590	5.940	14.810	5.420	11.600	4.850	8.890	4.250	6.630	3.650	4.760	3.070	-
	40	34.800	8.540	28.800	8.200	23.650	7.720	19.180	7.150	15.350	6.500	12.100	5.790	9.350	5.060	7.040	4.330	5.140	3.620	3.580	2.950	
	50	28.600	9.840	23.550	9.220	19.180	8.500	15.420	7.700	12.200	6.860	9.480	5.980	7.190	5.110	5.280	4.280	3.720	3.450	2.470	2.730	
SP 08441X ML	30			40.850	8.600	33.800	8.320	27.700	7.890	22.450	7.340	17.970	6.690	14.150	5.980	10.930	5.240	8.230	4.500	6.000	3.790	-
	40			34.700	10.320	28.600	9.700	23.300	8.960	18.750	8.130	14.870	7.240	11.580	6.330	8.820	5.420	6.520	4.540	4.630	3.720	
	50			28.500	11.750	23.300	10.800	18.860	9.770	15.040	8.690	11.780	7.580	9.030	6.490	6.740	5.420	4.840	4.430	3.300	3.520	

SP Series, R-404A

Performance and price table (aspirated gases +20 °C)

- Fan + cylinder head injection
- Cylinder head fan

Modelo	Temp. Cond. °C	Performance (W) with aspirated gas +20 °C																				Price €
		5 °C		0 °C		-5 °C		-10 °C		-15 °C		-20 °C		-25 °C		-30 °C		-35 °C		-40 °C		
		Q (Refrigeration capacity) W	P (Power electric) W	Q (Refrigeration capacity) W	P (Power electric) W	Q (Refrigeration capacity) W	P (Power electric) W	Q (Refrigeration capacity) W	P (Power electric) W	Q (Refrigeration capacity) W	P (Power electric) W	Q (Refrigeration capacity) W	P (Power electric) W	Q (Refrigeration capacity) W	P (Power electric) W	Q (Refrigeration capacity) W	P (Power electric) W	Q (Refrigeration capacity) W	P (Power electric) W	Q (Refrigeration capacity) W	P (Power electric) W	
SP 12441X HL	30	49.200	8.520	40.950	8.430	33.850	8.160	27.700	7.740	22.450	7.200	17.930	6.570	14.100	5.880	10.870	5.170	8.180	4.450	5.950	3.760	-
	40	41.800	10.430	34.700	10.000	28.550	9.420	23.200	8.730	18.670	7.940	14.780	7.090	11.500	6.210	8.750	5.340	6.470	4.490	4.600	3.710	
	50	34.450	12.070	28.500	11.320	23.300	10.450	18.810	9.500	14.990	8.480	11.730	7.440	9.000	6.400	6.720	5.390	4.850	4.450	3.330	3.600	
SP 10448X ML	30			47.250	9.720	38.900	9.360	31.750	8.840	25.600	8.180	20.350	7.430	15.900	6.610	12.160	5.750	9.050	4.890	6.500	4.050	-
	40			40.000	11.510	32.800	10.780	26.550	9.930	21.200	8.970	16.680	7.950	12.860	6.900	9.660	5.840	7.020	4.810	4.870	3.830	
	50			32.550	12.920	26.500	11.840	21.250	10.670	16.790	9.430	13.010	8.170	9.830	6.900	7.200	5.660	5.040	4.490	3.300	3.410	
SP 15448X HL	30	57.000	9.900	47.300	9.720	38.950	9.350	31.700	8.820	25.550	8.150	20.300	7.390	15.800	6.560	12.050	5.690	8.930	4.830	6.370	4.000	-
	40	48.200	11.960	39.800	11.400	32.600	10.670	26.400	9.820	21.050	8.870	16.520	7.860	12.710	6.820	9.520	5.780	6.890	4.770	4.760	3.830	
	50	39.450	13.690	32.400	12.780	26.350	11.730	21.150	10.580	16.680	9.380	12.920	8.140	9.760	6.910	7.140	5.710	5.000	4.580	3.280	3.550	
SP 12456X ML	30			55.400	11.590	45.700	11.150	37.400	10.540	30.250	9.780	24.150	8.910	18.980	7.970	14.650	6.980	11.050	5.980	8.090	5.000	-
	40			47.200	13.740	38.800	12.910	31.550	11.930	25.400	10.840	20.100	9.670	15.640	8.450	11.910	7.230	8.820	6.030	6.290	4.880	
	50			38.550	15.460	31.550	14.250	25.500	12.930	20.350	11.530	15.950	10.080	12.240	8.610	9.140	7.170	6.580	5.790	4.510	4.490	
SP 20456X HL	30	67.000	11.680	55.700	11.450	46.000	11.000	37.600	10.380	30.400	9.620	24.300	8.760	19.080	7.830	14.710	6.860	11.080	5.900	8.100	4.990	-
	40	56.900	14.060	47.200	13.420	38.800	12.600	31.550	11.640	25.400	10.580	20.100	9.450	15.660	8.290	11.940	7.140	8.860	6.030	6.350	5.000	
	50	46.800	16.190	38.700	15.160	31.700	13.990	25.650	12.720	20.450	11.390	16.070	10.030	12.380	8.670	9.310	7.360	6.780	6.130	4.740	5.020	
SP 15471X ML	30			72.700	15.660	60.500	15.020	50.000	14.200	40.900	13.220	33.050	12.120	26.300	10.940	20.600	9.710	15.750	8.450	11.680	7.210	-
	40			62.200	18.500	51.700	17.360	42.600	16.080	34.700	14.690	27.900	13.230	22.050	11.720	17.080	10.200	12.890	8.710	9.390	7.280	
	50			51.400	20.930	42.650	19.320	35.000	17.610	28.350	15.840	22.600	14.030	17.720	12.220	13.570	10.440	10.070	8.740	7.160	7.140	
SP 25471X HL	30	86.000	15.550	72.100	15.150	59.900	14.550	49.400	13.760	40.300	12.830	32.500	11.780	25.750	10.640	20.050	9.440	15.230	8.220	11.180	7.000	-
	40	73.600	18.630	61.500	17.740	51.000	16.680	41.900	15.470	34.000	14.160	27.200	12.760	21.400	11.320	16.470	9.850	12.310	8.400	8.830	6.990	
	50	60.700	21.220	50.700	19.880	41.900	18.410	34.250	16.820	27.600	15.150	21.900	13.440	17.040	11.710	12.910	10.000	9.440	8.340	6.560	6.760	
SP 20486X ML	30			83.800	18.720	69.900	17.880	57.800	16.840	47.350	15.630	38.350	14.300	30.650	12.880	24.100	11.410	18.540	9.930	11.180	7.000	-
	40			71.800	22.150	59.800	20.710	49.350	19.130	40.300	17.440	32.550	15.680	25.900	13.880	20.200	12.090	15.420	10.340	8.830	6.990	
	50			59.300	25.110	49.300	23.120	40.600	21.030	33.050	18.880	26.550	16.720	21.000	14.580	16.290	12.500	12.320	10.520	6.560	6.760	

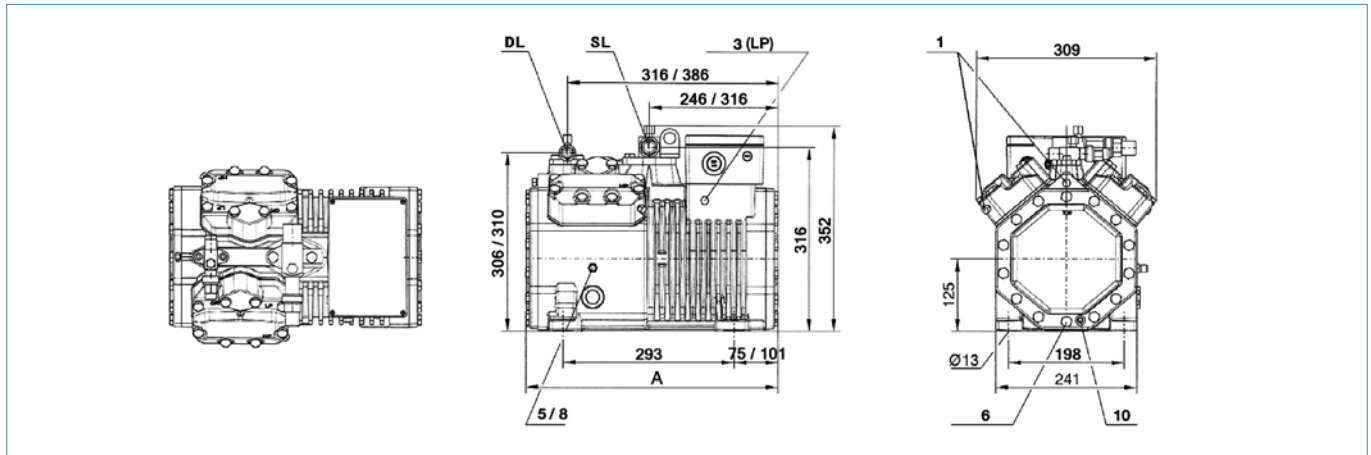
SP Series, R-404A

Performance and price table (aspirated gases +20 °C)

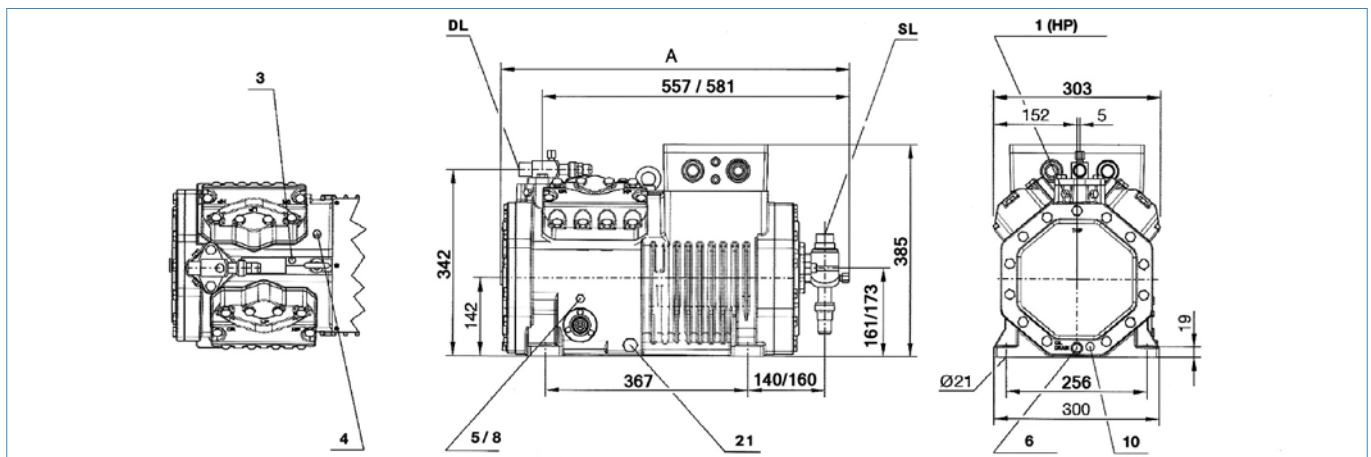
■ Fan + cylinder head injection
■ Cylinder head fan

Modelo	Temp. Cond. °C	Performance (W) with aspirated gas +20 °C																				Price €
		5 °C		0 °C		-5 °C		-10 °C		-15 °C		-20 °C		-25 °C		-30 °C		-35 °C		-40 °C		
		Q (Refrigeration capacity) W	P (Power electric) W	Q (Refrigeration capacity) W	P (Power electric) W	Q (Refrigeration capacity) W	P (Power electric) W	Q (Refrigeration capacity) W	P (Power electric) W	Q (Refrigeration capacity) W	P (Power electric) W	Q (Refrigeration capacity) W	P (Power electric) W	Q (Refrigeration capacity) W	P (Power electric) W	Q (Refrigeration capacity) W	P (Power electric) W	Q (Refrigeration capacity) W	P (Power electric) W	Q (Refrigeration capacity) W	P (Power electric) W	
SP 30486X HL	30	98.700	18.190	82.700	17.660	68.800	16.900	56.800	15.940	46.350	14.830	37.400	13.600	29.700	12.270	23.150	10.880	17.640	9.470	13.020	8.060	-
	40	84.400	21.620	70.600	20.560	58.600	19.300	48.200	17.890	39.200	16.370	31.400	14.750	24.800	13.090	19.160	11.400	14.410	9.740	10.450	8.130	
	50	69.400	24.470	57.900	22.940	48.000	21.240	39.300	19.420	31.800	17.520	25.350	15.560	19.820	13.590	15.140	11.640	11.210	9.750	9.950	7.960	
SP 256106X ML	30			106.700	22.950	88.900	22.070	73.400	20.890	60.100	19.460	48.600	17.830	38.750	16.070	30.350	14.210	23.300	12.330	17.320	10.460	-
	40			91.300	27.010	75.900	25.450	62.600	23.650	51.000	21.640	41.000	19.490	32.450	17.250	25.150	14.970	19.020	12.710	13.380	10.510	
	50			75.700	30.560	62.800	28.350	51.500	25.940	41.750	23.380	33.300	20.720	26.100	18.010	19.970	15.320	14.800	12.690	10.490	10.180	
SP 356106X HL	30	126.200	22.850	105.700	22.360	88.000	21.530	72.500	20.420	59.200	19.060	47.750	17.520	37.900	15.840	29.550	14.060	22.500	12.250	16.560	10.440	-
	40	108.000	27.310	90.300	26.150	74.900	24.710	61.500	23.020	50.000	21.140	40.050	19.120	31.500	16.990	24.250	14.810	18.140	12.630	13.030	10.490	
	50	89.300	31.190	74.500	29.420	61.600	27.390	50.400	25.160	40.650	22.780	32.250	20.280	25.100	17.720	18.970	15.140	13.840	12.590	9.570	10.110	
SP 306129X ML	30			122.900	27.680	102.700	26.500	85.200	25.020	70.000	23.290	57.000	21.370	45.750	19.330	36.200	17.210	28.100	15.070	21.300	12.980	-
	40			105.200	32.620	87.900	30.690	72.900	28.500	59.800	26.130	48.550	23.630	38.900	21.050	30.600	18.460	23.600	15.910	17.660	13.460	
	50			87.200	37.240	72.800	34.530	60.300	31.640	49.400	28.610	39.950	25.520	31.800	22.400	24.850	19.330	18.920	16.350	13.930	13.540	
SP 406129X HL	30	143.700	27.040	120.400	26.290	100.300	25.200	82.800	23.840	67.700	22.230	54.700	20.450	43.500	18.520	34.050	16.510	26.000	14.450	19.280	12.410	-
	40	122.200	31.850	102.400	30.410	85.200	28.690	70.200	26.720	57.200	24.560	46.000	22.260	36.400	19.860	28.200	17.410	21.250	14.960	15.410	12.550	
	50	100.400	36.130	84.100	34.050	69.900	31.710	57.400	29.160	46.550	26.450	37.200	23.630	29.100	20.740	22.200	17.840	16.390	14.960	11.490	12.170	
SP 406154X ML	30			148.100	33.450	123.600	32.180	102.400	30.520	84.100	28.520	68.300	26.270	54.700	23.830	43.100	21.260	33.300	18.650	25.050	16.050	-
	40			126.600	38.970	105.700	36.820	87.500	34.340	71.800	31.590	58.100	28.630	46.350	25.550	36.250	22.400	27.700	19.260	20.450	16.190	
	50			104.400	43.700	87.200	40.710	72.200	37.440	59.100	33.950	47.650	30.330	37.750	26.630	29.250	22.930	21.900	19.300	15.660	15.800	
SP 506154X HL	30	174.500	33.410	146.400	32.590	122.000	31.300	100.800	29.630	82.500	27.630	66.700	25.380	53.200	22.930	41.650	20.370	31.900	17.740	23.700	15.140	-
	40	148.500	39.560	124.600	37.800	103.800	35.650	85.700	33.160	69.900	30.410	56.300	27.460	44.600	24.380	34.600	21.230	26.100	18.080	18.880	15.000	
	50	121.700	44.800	102.200	42.150	85.100	39.160	70.100	35.900	57.100	32.430	45.700	28.820	35.850	25.130	27.400	21.420	20.150	17.770	13.970	14.240	

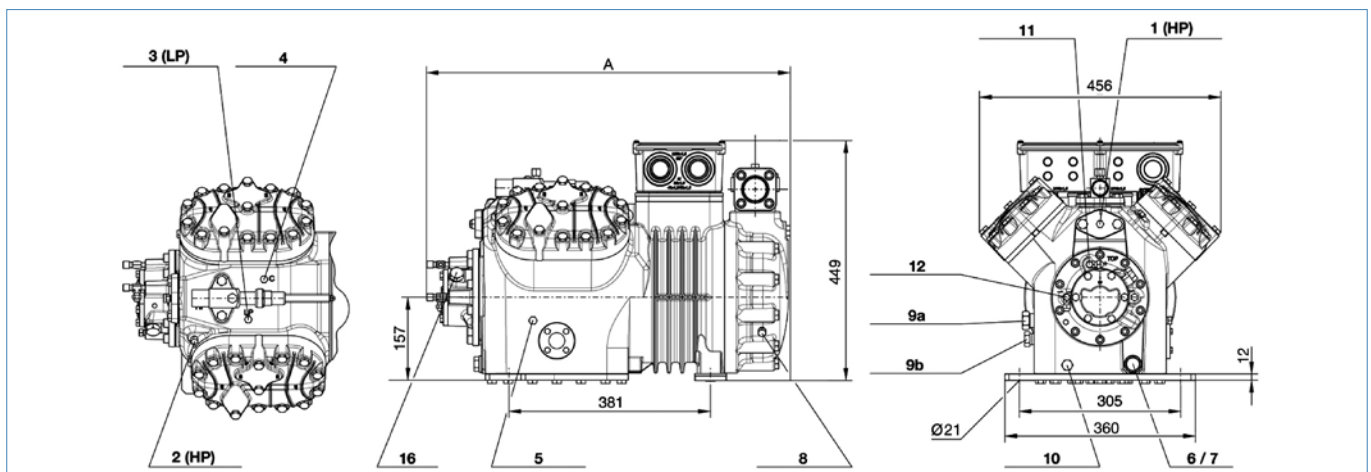
General dimensions and connections



Compressor model	A (mm)
SP 03418X - SP 05427X	432
SP 07427X - SP 06433X - SP 09433X	457

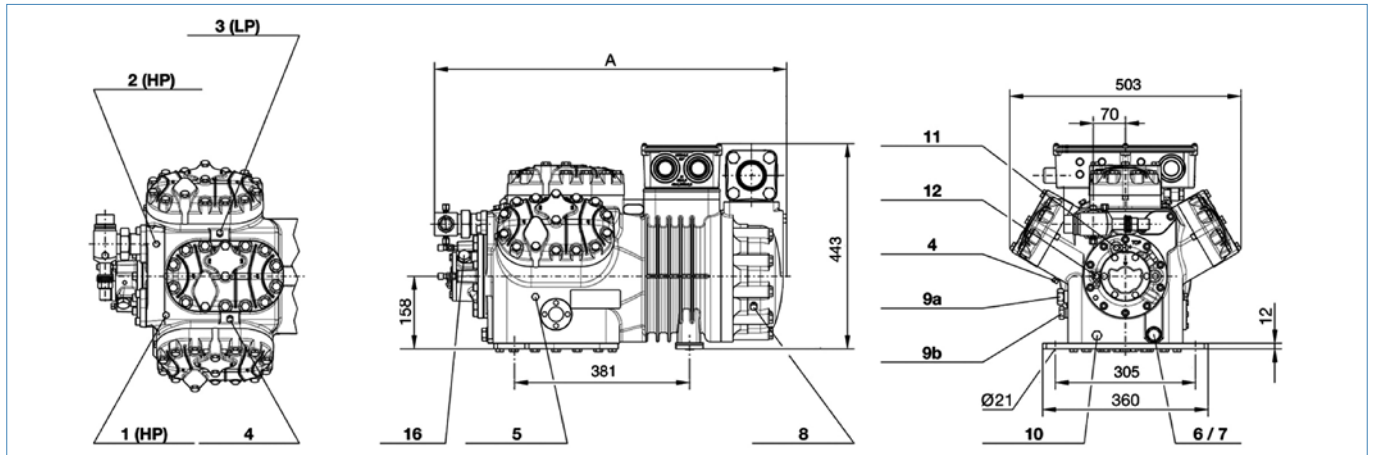


Compressor model	A (mm)
SP 06434X - SP 10434X - SP 08441X - SP 12441X - SP 10448X - SP 12456X	632
SP 15448X - SP 20456X	657

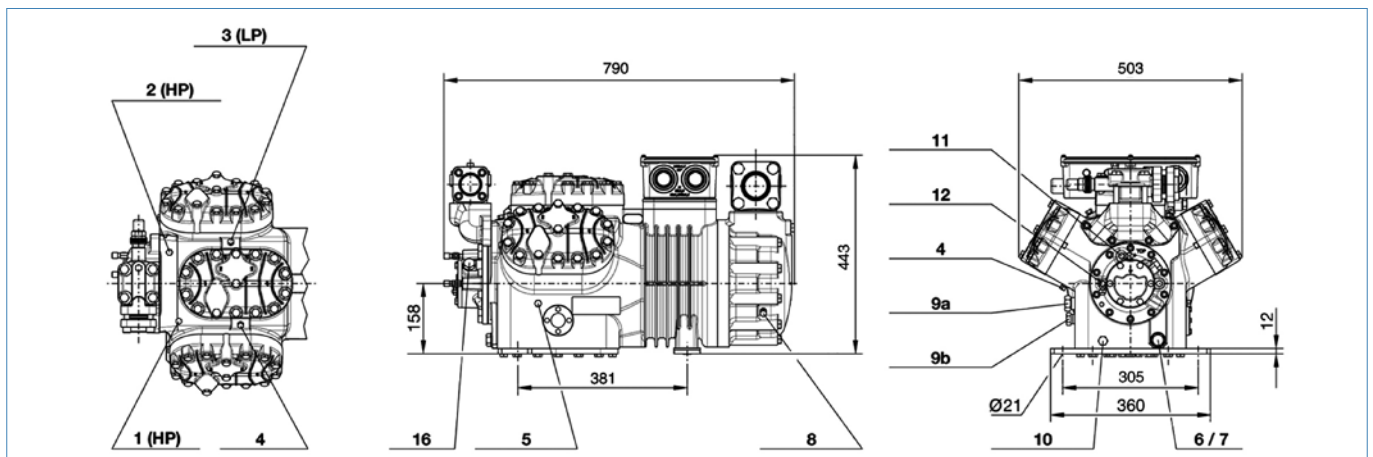


Compressor model	A (mm)
SP 15471X - SP 25471X	688
SP 20486X	706
SP 30486X	737

General dimensions and connections



Compressor model	A (mm)
SP 256106X - SP 306129X	767
SP 356106X - SP 406129X	798



Compressor model	A (mm)
SP 406154X - SP 506154X	790

Position of connections:

- 1 High pressure connection (HP)
- 2 Discharge gas temperature. Sensor (HP) or CIC sensor
- 3 Low pressure (LP) connection
- 4 CIC system: spray nozzle (LP)
- 5 Oil filler cap
- 6 Oil drain
- 7 Oil filter (magnetic screw)
- 8 Oil return (oil separator)
- 9a Gas equalization (parallel unit)
- 9b Oil compensation (parallel unit)
- 10 Crankcase heater
- 11 Oil pressure connection +
- 12 Oil pressure connection -
- 16 Connection for oil control (oil sensor or differential oil pressure switch «Delta-P»)
- 21 Connection for oil service valve

Compressors Double Stage

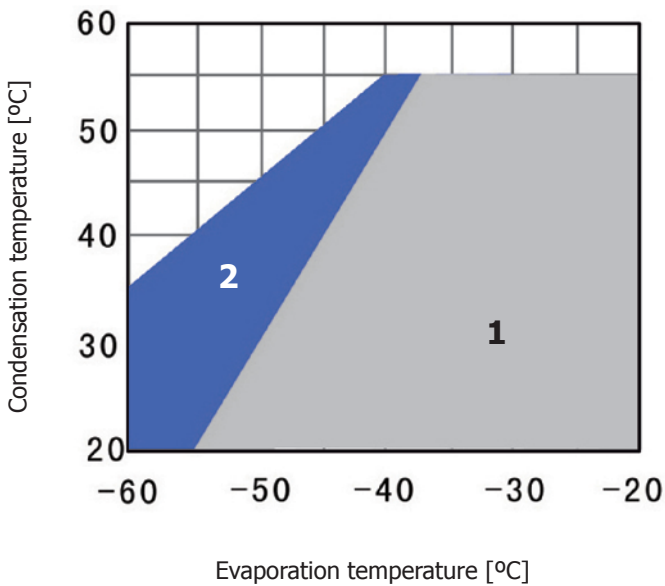
8-30 Hp, 28-101m³/h, 50Hz



Technical data

MODEL	Number of cylinders	Power Engine [Hp/kW]	Displacement at 50Hz [m ³ /hr]		Electrical power supply	Maximum current MRA	Maximum power kW	Line of aspiration internal Ø [mm/inch.]	Line of download internal Ø [mm/inch.]	Load of oil [dm ³]	Weight [Kg]
TSP 4082818	4	8	28	18	PW - Y Y - 380 V / 3~ / 50 Hz PW - Y Y - 440 V / 3~ / 60 Hz	17	9,7	28 / 1 1/8"	22 / 7/8"	3	145
TSP 4124227		12	42,3	27		24	13,8	35 / 1 3/8"	28 / 1 1/8"	4,5	180
TSP 6207437	6	20	73,6	36,9		37	21,5	42 / 1 5/8"	35 / 1 3/8"	4,8	220
TSP 6258542		25	84,5	42,3		45	24,9				233
TSP 63010151		30	101,1	50,5		53	30,1				234

R-404A / R-507 Application limits



The limits refer to full load operation.

- 1 = Standard applications (20 [°C] suction gas temperature).
- 2 = Control the suction temperature. Maintain suction superheat <15.

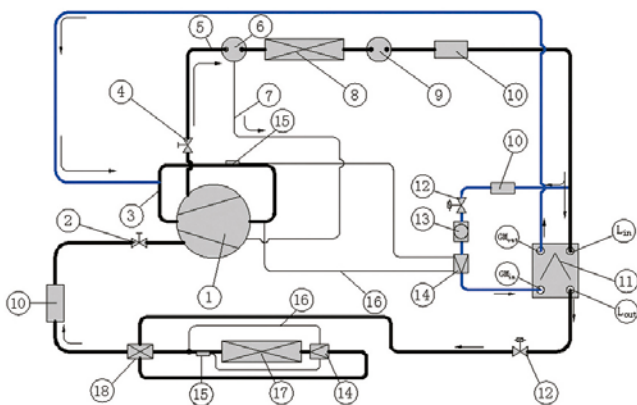
Model classification

Compressor class	SKADY	Model	Number	Power of the compressor	Displacement	
T S P			4	08	28	18
Double stage	SKADY	P: Piston S: Screw	Pistons	Hp	Low pressure [m ³ /hr]	High pressure [m ³ /hr]

Characteristics

- The lowest evaporation temperature for a single-stage compressor, when the condenser temperature is 30, 35 and 40 °C, correspond to -40, -35 and -30 °C. Lower than this, even if it can work, is neither safe nor economical. In such cases, two-stage compressors are needed.
- For reasons of economy, energy savings and safety, the suggested evaporation temperature for two-stage compressors is -45°C for R-404A refrigerant.
- There are high pressure stage and low pressure stage for two stage compressors. The refrigerant from the evaporator first enters the low pressure stage cylinder, then is compressed and passes to the medium pressure pipe where it is mixed with the refrigerant that is cooled and compressed from the system liquid supply pipe to the valve of medium cooling expansion and to the medium cooler, then it goes to the engine chamber to cool the engine and then it goes to the cylinder of the high pressure stage to be compressed and finally it passes to the condenser.

- The liquid subcooler is an important element to make the two-stage compressor system more efficient and with higher cooling capacity. For the compressor and liquid subcooler to operate smoothly, there must be enough refrigerant in the system piping so that bubbles do not appear before liquid refrigerant from the high-pressure stage cylinder enters the subcooler and the expansion valve. medium cooling.
- In addition to the standard supplies of corresponding single-stage compressor accessories, intercooling devices are also supplied as standard supplies for two-stage compressors, including liquid subcooler, solenoid valve, liquid sight glass and expansion valve. intermediate cooling.



- 1** Compressor. **2** Low pressure suction valve.
- 3** Medium pressure tube. **4** High pressure relief valve.
- 5** Discharge tube. **6** Oil separator. **7** Oil return pipe.
- 8** Condenser. **9** Deposit. **10** Filter. **11** Liquid subcooler.
- 12** Solenoid valve. **13** Oil level sight glass. **14** Expansion valve.
- 15** Thermal package. **16** Balance tube. **17** Evaporator.
- 18** Regenerator. GMI subcooler inlet GMO subcooler outlet LI refrigerant inlet LO refrigerant outlet.

Serie TSP, R-404A/R-507A

LOW TEMPERATURE

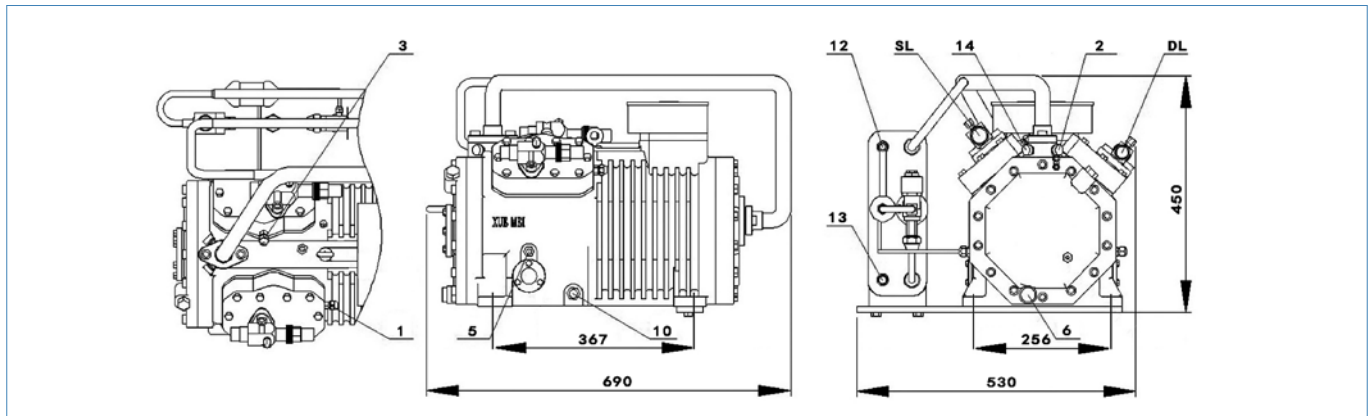
Performance and price table

Modelo	Temp. Cond. °C	Performance (W) with aspirated gas +20 °C																				Price €
		-25 °C		-30 °C		-35 °C		-40 °C		-45 °C		-50 °C		-55 °C		-60 °C		-65 °C		-70 °C		
		Q (Refrigeration capacity) W	P (Power electric) W	Q (Refrigeration capacity) W	P (Power electric) W	Q (Refrigeration capacity) W	P (Power electric) W	Q (Refrigeration capacity) W	P (Power electric) W	Q (Refrigeration capacity) W	P (Power electric) W	Q (Refrigeration capacity) W	P (Power electric) W	Q (Refrigeration capacity) W	P (Power electric) W	Q (Refrigeration capacity) W	P (Power electric) W	Q (Refrigeration capacity) W	P (Power electric) W	Q (Refrigeration capacity) W	P (Power electric) W	
TSP 4082818	30	12.990	6.420	10.860	6.000	8.980	5.550	7.340	5.070	5.910	4.570	4.680	4.060	3.640	3.550	2.750	3.060	2.010	2.590	1.400	2.150	-
	40	12.500	7.310	10.460	6.780	8.650	6.220	7.070	5.650	5.690	5.070	4.490	4.480	3.480	3.890	2.620	3.310	1.890	2.750			
	50	11.990	8.170	10.050	7.540	8.320	6.900	6.790	6.260	5.460	5.600	4.310	8.800	3.320	4.260							
TSP 4124227	30	19.490	9.740	16.830	9.060	14.280	8.350	11.860	7.610	9.650	6.850	7.680	6.100	5.980	5.350	4.570	4.620	3.410	3.920	2.490	3.270	-
	40	18.920	11.050	16.230	10.230	13.690	9.370	11.340	8.490	9.220	7.600	7.360	6.720	5.760	5.850	4.400	5.010	3.250	4.220			
	50	18.070	12.320	15.480	11.400	13.060	10.440	10.850	9.440	8.860	8.420	7.100	7.410	5.540	6.410							
TSP 6207437	30	31.900	16.430	27.450	15.020	23.300	13.640	19.440	12.300	15.910	11.000	12.760	9.760	10.020	8.570	7.690	7.440	5.770	6.400	4.230	5.400	-
	40	30.600	18.530	26.350	16.900	22.350	18.610	13.790	15.230	12.330	12.240	10.920	9.640	9.570	7.420	8.290	5.540	7.070				
	50	29.350	20.630	25.200	18.790	21.350	17.010	17.810	15.300	14.630	13.650	11.800	12.070	9.280	10.550							
TSP 6258542	30	36.200	18.840	31.300	17.270	26.600	15.710	22.250	14.160	18.220	12.650	14.620	11.190	11.480	9.800	8.830	8.490	6.630	7.290	4.870	6.200	-
	40	34.900	21.270	30.100	19.400	25.500	17.600	21.300	15.850	17.420	14.160	14.000	12.550	11.040	11.000	8.500	9.520	6.350	8.130			
	50	33.450	23.710	28.750	21.580	24.350	19.350	20.350	17.560	16.720	15.670	13.490	13.850	10.620	12.100							
TSP 63010151	30	43.400	22.530	37.400	20.650	31.750	18.780	26.500	16.940	21.700	15.150	17.420	13.420	13.690	11.770	10.540	10.200	7.920	8.740	5.800	7.400	-
	40	41.500	25.200	35.700	23.100	30.300	21.010	25.300	18.960	20.700	16.950	16.680	15.000	13.170	13.140	10.150	11.370	7.590	9.720			
	50	39.500	28.070	34.000	25.690	28.850	23.330	24.100	21.010	19.870	18.750	16.060	16.570	12.650	14.490							

Grades:

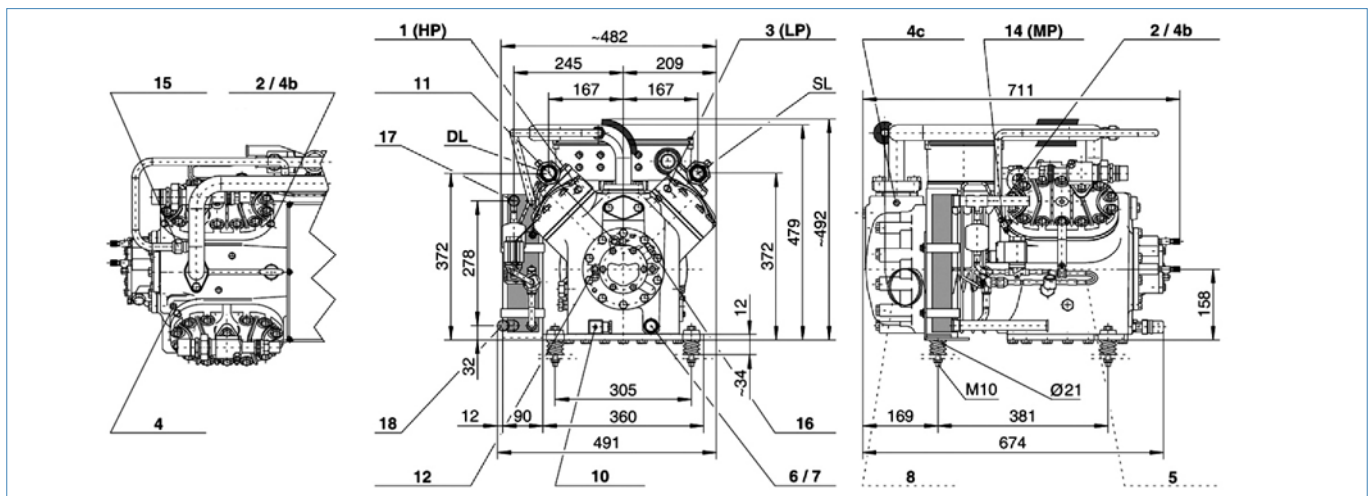
1. The liquid subcooler is an important element to make the compressor system of 2 stages is more efficient and with greater capacity.
2. For safety reasons, there must be a large enough gas liquid separator in the 2-stage refrigeration system.

General dimensions and connections



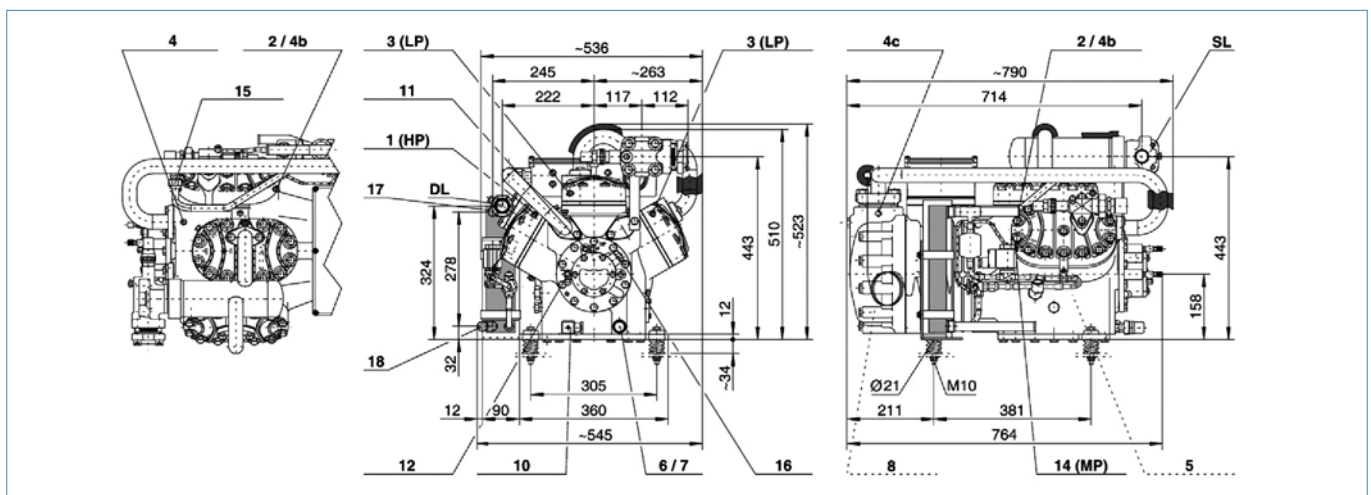
Compressor model

TSP 4082818



Compressor model

TSP 4124227



Compressor model

TSP 6207437 - TSP 6258542 - TSP 63010151

Connections position:

- | | |
|--|---|
| <ul style="list-style-type: none"> 1 High pressure connection (HP) 2 Discharge gas temperature sensor (HP) 3 Low pressure (LP) connection 5 Oil filler cap 6 Oil drain 7 Oil filter 8 Oil return (oil separator) 10 Crankcase heater | <ul style="list-style-type: none"> 11 Oil pressure connection + 12 Oil pressure connection - 14 Intermediate pressure (MP) connection 15 Liquid injection (operation without liquid subcooler and with thermostatic expansion valve) 16 Connection for differential oil pressure switch «Delta-P» 17 Refrigerant inlet for liquid subcooler 18 Refrigerant outlet for liquid subcooler |
|--|---|

SR Series

- Silent and very low vibration.
 - Compact and easy installation
 - Reliability and safety of operation
 - Optimal lubrication
 - Easy maintenance

*The best solutions and
products at your service.*

A bald eagle is shown in flight, soaring over a rugged mountain range. The eagle is positioned in the lower right quadrant of the image, with its wings spread wide. The background consists of jagged, rocky peaks under a clear sky. The overall color palette is dominated by shades of blue and green, with the eagle's feathers appearing in naturalistic colors.

SKADI

TECHNOLOGY AND INDUSTRIAL INNOVATION

SR Series

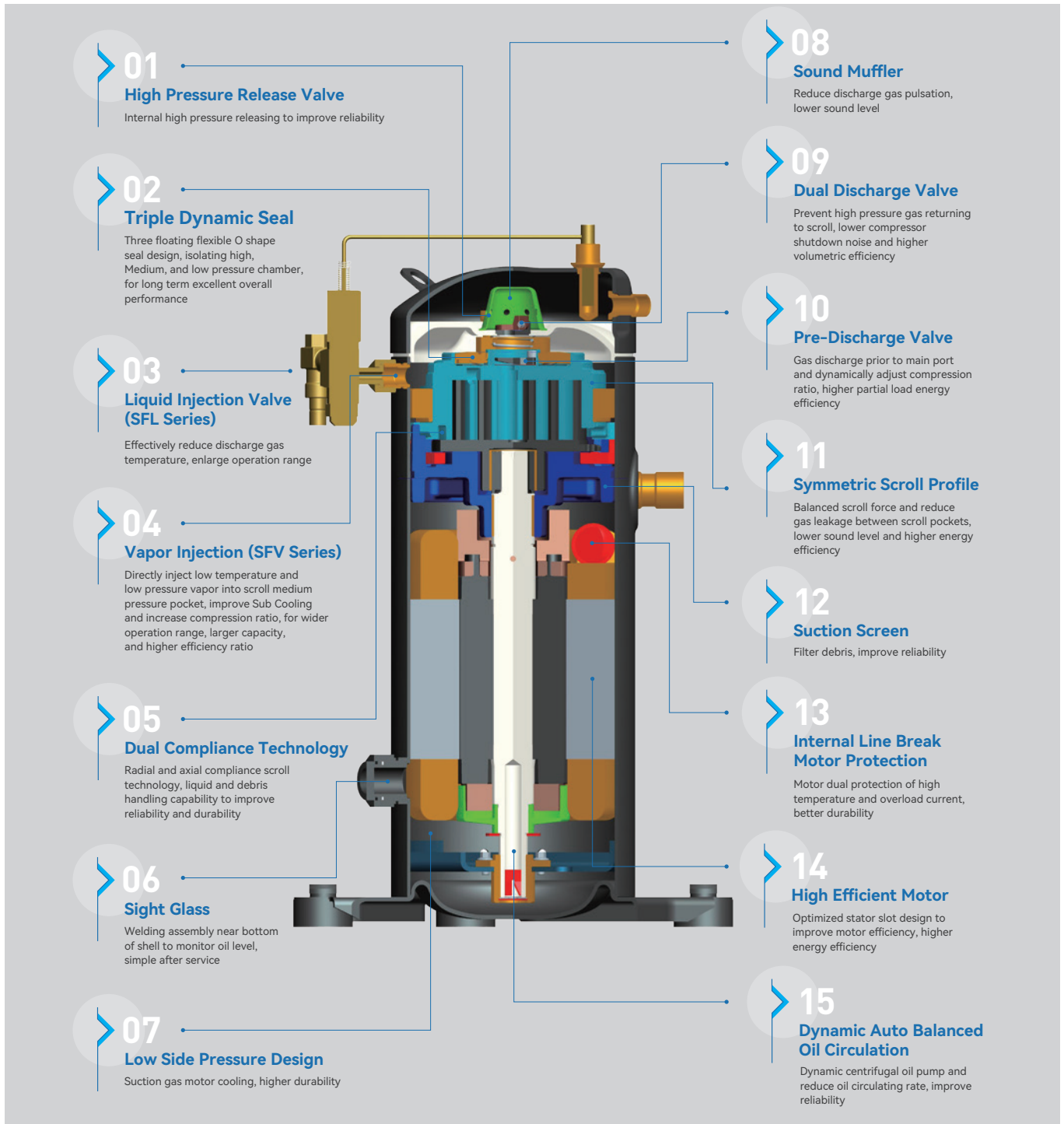
Scroll Compressors
for applications
Medium and Low
temperature



Features of use of the compressors of refrigeration

- Any operation of the compressor or refrigeration system must be carried out by professional personnel.
- Before using the compressor, it is necessary to carefully read the corresponding operating manual. Any operation of the compressor must be carried out under the guidance of the operation manual and the corresponding standard safety rules.
- It is prohibited to apply any flammable gas to perform the pressure test or leak test of the compressor and refrigeration system.
- It is prohibited to apply the semi-hermetic compressor to vacuum the system or start the compressor under vacuum condition or perform electrical or insulation test. Before starting the compressor, make sure the suction and discharge valves are open.
- The compressor must be kept away from any heat source. When the compressor is running, its surface temperature may be below 0 °C or above 100 °C. Stay away from it to avoid burning or freezing. During operation, be careful with the coolant, do not inhale or touch the coolant, otherwise it may cause blindness or other discomfort.
- There would be two types of compressors for a displacement volume, one is for high and medium temperature range and the other is for medium and low temperature range. Please choose the suitable one. The medium and low temperature range compressor cannot be applied for those where the evaporation temperature is higher than -5 °C, or the motor is overloaded. The high and medium temperature range compressor should be applied for those in the that the evaporation temperature is higher than -5 °C, or the compressor is not as effective and overheats.
- It would be more reasonable, economical and energy-saving to apply single-stage compressors when the evaporation temperature is above -35 °C and to apply two-stage compressors when the evaporation temperature is between -45°C and -60°C. If the evaporation temperature is lower than -60 °C, it is suggested to apply the cascade system.
- It is prohibited to mix with different lubricating oils.
- To ensure that the compressor can work stably, it is required to design the entire system reasonably, operate under standard rules, and carry out necessary maintenance.
- When the compressor safety protection works, the compressor stops. Check and analyze the reason and solve it in time before starting again. If there was a liquid strike, a burnt motor or a blocked rotor, the compressor would break. Check the entire system instead of simply replacing a new compressor or repairing just the compressor. Because if the system problem is not fixed, the same fault would occur again after replacing it with a new compressor.

Product features



Nomenclature

SKADY	Application	Features	Nominal Capacity	Refrigerant	Power 50Hz	Motor Type	Configuration Code
S R L 15 B - B 1 - 105							
SKADY	R: Medium F: Low	L: Liquid V: Steam	50 Hz (XX×100W)	A: R-22 B: R-404A R-507A R-448A R-449A	A: 3-380/420V B: 1-220/240V		101: Sight Glass 105: Sight Glass & Liquid Injection Valve

SR Series

R-448A



Technical data. Medium temperature

MODEL	Power Supply	Nominal capacity	Displacement		Cooling capacity		Electrical power	COP	EER	CROSS REFERENCES		
	ph/V(Code)		Hp	m ³ /h	cc/Rev.	W	BTU/H			W	W/W	(BTU/H) W
SR22B-B1-101	1-220/240 (B)	1,2	3,7	21,5	2.320	7.918	1.467	1,58	5,40	-	-	-
SR28B-B1-101		1,4	4,3	25,0	2.690	9.181	1.549	1,74	5,93	-	-	-
SR32B-B1-101		1,7	5,3	30,5	3.210	10.956	1.775	1,81	6,17	-	-	-
SR38B-B1-101		2	6,1	35,1	3.610	12.321	1.950	1,85	6,32	ZB15KQE-PFJ	MLZ015	YM34E2G-100
SR45B-B1-101		2,5	7,2	41,4	4.405	15.034	2.290	1,92	6,57	ZB19KQE-PFJ	MLZ019	YM43E2G-100
SR52B-B1-101		3	8,5	48,9	5.140	17.543	2.595	1,98	6,76	ZB21KQE-PFJ	MLZ021	YM49E2G-100
SR63B-B1-101		3,5	10,1	58,0	6.170	21.058	3.380	1,83	6,23	ZB26KQE-PFJ	MLZ026	YM60E2G-100
SR72B-B1-101		4	11,5	66,1	7.205	24.590	3.760	1,92	6,54	ZB29KQE-PFJ	MLZ030	YM70E2G-100
SR22B-A1-101	3-380/420 (A) 3-200/220 (D)	1,2	3,7	21,5	2.340	7.986	1.310	1,79	6,10	-	-	-
SR28B-A1-101		1,4	4,3	25,0	2.724	9.297	1.437	1,90	6,47	-	-	-
SR32B-A1-101		1,7	5,3	30,5	3.310	11.297	1.700	1,95	6,65	-	-	-
SR38B-A1-101		2	6,1	35,1	3.760	12.833	1.890	2,0	6,79	ZB15KQE-TFD	MLZ015	YM34E1G-100
SR45B-A1-101		2,5	7,2	41,4	4.430	15.119	2.260	2,0	6,69	ZB19KQE-TFD	MLZ019	YM43E1G-100
SR52B-A1-101		3	8,5	48,9	5.120	17.474	2.525	2,0	6,92	ZB21KQE-TFD	MLZ021	YM49E1G-100
SR63B-A1-101		3,5	10,1	58,0	6.210	21.195	3.104	2,0	6,83	ZB26KQE-TFD	MLZ026	YM60E1G-100
SR72B-A1-101		4	11,5	66,1	7.525	25.683	3.575	2,1	7,18	ZB29KQE-TFD	MLZ030	YM70E1G-100
SR91B-A1-101		5	14,4	82,8	8.970	30.614	4.250	2,1	7,20	ZB38KQE-TFD	MLZ038	YM86E1G-100
SR110B-A1-101		6	17,4	100,0	10.980	37.474	5.289	2,08	7,09	ZB45KQE-TFD	MLZ045	YM102E1G-100
SR125B-A1-101		7	19,5	112,1	12.500	42.662	5.949	2,1	7,17	ZB48KQE-TFD	MLZ048	YM115E1G-100
SR135B-A1-101		8	21,3	122,4	13.520	46.246	5.766	2,35	8,02	ZB58KQE-TFD	MLZ058	YM132E1G-100
SR162B-A1-101		9	25,7	147,7	16.270	55.529	7.715	2,11	7,20	ZB66KQE-TFD	MLZ066	YM158E1G-100
SR190B-A1-101		10	30,0	172,4	18.920	64.573	8.885	2,13	7,27	ZB76KQE-TFD	MLZ076	YM182E1G-100
SR215B-A1-101		12	34,0	195,4	21.560	73.584	10.192	2,12	7,22	-	MLZ090	YM200E1G-100
SR230B-A1-101		13	36,4	209,2	22.950	78.328	10.809	2,12	7,25	ZB95KQE-TFD	-	YM235E1G-100
SR260B-A1-101		15	41,3	237,4	26.000	88.737	12.457	2,09	7,12	ZB114KQE-TFD	MLZ116	YM260E1G-100
SR280B-A1-101		20	44,3	254,6	27.700	94.539	13.355	2,07	7,08	ZB130KQE-TFD	MLZ130	-

Conditions: T. Evaporation -6,7°C. T. Condensation 48,9°C. Overheating 25K. Subcooling 0K.

SFL Serie

R-448A



Technical data. Low temperature

MODEL	Power Supply	Nominal capacity	Displacement		Cooling capacity		Electrical power	COP	EER	CROSS REFERENCES		
	ph/V(Code)	Hp	m ³ /h	cc/Rev.	W	BTU/H	W	W/W	(BTU/H) W	Brand C	Brand D	Brand Y
SFL09B-B1-105	1-220/240 (B)	1,2	3,7	21,3	983	3.355	1.000	0,98	3,35	-	-	-
SFL10B-B1-105		1,4	4,3	24,7	1.152	3.932	1.057	1,09	3,72	-	-	-
SFL12B-B1-105		1,7	5,3	30,5	1.406	4.799	1.237	1,14	3,88	-	-	-
SFL15B-B1-105		2	6,1	35,1	1.620	5.529	1.430	1,13	3,87	ZF06KAE-PFJ	YF13E2G-Q102	-
SFL17B-B1-105		2,5	7,2	41,4	1.920	6.553	1.700	1,13	3,85	ZF07KAE-PFJ	YF17E2G-Q102	-
SFL20B-B1-105		3	8,5	48,9	2.250	7.679	1.931	1,17	3,89	ZF09KAE-PFJ	YF20E2G-Q102	-
SFL25B-B1-105		3,5	10,1	58,0	2.680	9.147	2.380	1,13	3,84	-	YF25E2G-Q102	-
SFL28B-B1-105		4	11,5	66,1	3.050	10.410	2.651	1,15	3,93	-	YF29E2G-Q102	-
SFL09B-A1-105	3-380/420 (A) 3-200/220 (D)	1,2	3,7	21,3	988	3.372	990	1,00	3,41	-	-	-
SFL10B-A1-105		1,4	4,3	24,7	1.155	3.942	1.050	1,10	3,75	-	-	-
SFL12B-A1-105		1,7	5,3	30,5	1.410	4.812	1.230	1,15	3,91	-	-	-
SFL15B-A1-105		2	6,1	35,1	1.620	5.529	1.400	1,16	3,95	ZF06K4E/ZF06KQE	YF13E1G-Q100	2FES-2Y-40S
SFL17B-A1-105		2,5	7,2	41,4	1.920	6.553	1.690	1,14	3,88	ZF08K4E/ZF08KQE	YF17E1G-Q100	2EES-2Y-40S
SFL20B-A1-105		3	8,5	48,9	2.250	7.679	1.900	1,18	4,04	ZF09K4E/ZF09KQE	YF20E1G-Q100	2EES-2Y-40S
SFL25B-A1-105		3,5	10,1	58,0	2.680	9.147	2.350	1,14	3,89	ZF11K4E/ZF11KQE	YF25E1G-Q100	2DES-2Y-40S
SFL28B-A1-105		4	11,5	66,1	3.050	10.410	2.621	1,16	3,97	ZF13K4E/ZF13KQE	YF29E1G-Q100	2CES-3Y-40S/LLZ013
SFL35B-A1-105		5	14,4	82,8	3.850	13.140	2.940	1,31	4,47	ZF15K4E/ZF15KQE	YF35E1G-Q100	4FES-3Y-40S/LLZ015
SFL42B-A1-105		6	17,4	100,0	4.600	15.700	3.485	1,32	4,50	ZF18K4E/ZF18KQE	YF41E1G-Q100	4EES-4Y-40S/LLZ018
SFL51B-A1-105		7,5	21,3	122,4	5.680	19.386	4.279	1,33	4,53	ZF25K4E/ZF25KQE	YF65E1G-Q100	4DES-5Y-40S/LLZ024
SFL62B-A1-105		9	25,7	147,7	6.800	23.208	5.099	1,33	4,55	ZF28K4E/ZF28KQE	YF72E1G-Q100	4BES-9Y-40S
SFL72B-A1-105		10	25,7	147,7	16.270	55.529	7.715	2,11	7,20	ZF34K5E/ZF34KQE	YF80E1G-Q100	4TES-9Y-40P/LLZ034
SFL80B-A1-105		12	34,0	195,4	9.000	30.717	6.842	1,32	4,49	-	-	-
SFL88B-A1-105		13	36,4	209,2	9.650	32.935	7.370	1,31	4,47	ZF41K5E/ZF41KQE	-	4NES-14Y-40P
SFL100B-A1-105		15	41,3	237,4	11.000	37.543	8.360	1,32	4,49	ZF49K5E/ZF49KQE	-	4NES-14Y-40P
SFL106B-A1-105		17	44,3	254,6	12.300	41.980	9.400	1,31	4,47	ZF54K5E/ZF54KQE	-	4JE-15Y-40P

Conditions: T. Evaporation -6,7°C. T. Condensation 48,9°C. Overheating 25K. Subcooling 0K.

SFV Series

R-448A



Technical data. Low temperature

MODEL	Power Supply	Nominal capacity	Displacement		Cooling capacity		Electrical power	COP	EER	CROSS REFERENCES		
	ph/V(Code)	Hp	m ³ /h	cc/Rev.	W	BTU/H	W	W/W	(BTU/H) W	Brand C	Brand D	Brand Y
SFV09B-B1-101	1-220/240 (B)	1,2	3,7	21,3	1.450	4.949	1.140	1,27	4,34			
SFV10B-B1-101		1,4	4,3	24,7	1.690	5.768	1.210	1,40	4,77			
SFV12B-B1-101		1,7	5,3	30,5	2.080	7.099	1.413	1,47	5,02			
SFV15B-B1-101		2	6,1	35,1	2.480	8.464	1.637	1,51	5,17	-	YF13E2G-V102	-
SFV17B-B1-101		2,5	7,2	41,4	3.000	10.239	1.947	1,54	5,26	-	YF17E2G-V102	-
SFV20B-B1-101		3	8,5	48,9	3.450	11.775	2.210	1,56	5,33	-	YF20E2G-V102	-
SFV25B-B1-101		3,5	10,1	58,0	4.060	13.857	2.600	1,56	5,33	-	YF25E2G-V102	-
SFV28B-B1-101		4	11,5	66,1	4.630	15.802	3.305	1,53	5,21	-	YF29E2G-V102	-
SFV09B-A1-101	3-380/420 (A) 3-200/220 (D)	1,2	3,7	21,3	1.450	4.949	1.140	1,27	4,34			
SFV10B-A1-101		1,4	4,3	24,7	1.690	5.768	1.210	1,40	4,77			
SFV12B-A1-101		1,7	5,3	30,5	2.080	7.099	1.413	1,47	5,02			
SFV15B-A1-101		2	6,1	35,1	2.480	8.464	1.603	1,55	5,26	-	YF13E1G-V100	-
SFV17B-A1-101		2,5	7,2	41,4	3.000	10.239	1.935	1,55	5,29	-	YF17E1G-V100	-
SFV20B-A1-101		3	8,5	48,9	3.450	11.775	2.176	1,59	5,41	-	YF20E1G-V100	-
SFV25B-A1-101		3,5	10,1	58,0	4.060	13.857	2.691	1,51	5,15	-	YF25E1G-V100	-
SFV28B-A1-101		4	11,5	66,1	4.630	15.802	3.001	1,54	5,27	ZF13KVE/ZFI20KQE	YF29E1G-V100	LLZ013
SFV35B-A1-101		5	14,4	82,8	5.850	19.966	3.366	1,74	5,93	ZF23KQE-TFD	YF35E1G-V100	LLZ015
SFV42B-A1-101		6	17,4	100,0	6.980	23.823	3.991	1,75	5,97	ZF18KVE/ZFI26KQE	YF41E1G-V100	LLZ018
SFV51B-A1-101		7,5	21,3	122,4	8.600	29.352	4.899	1,76	5,99	ZF25KVE/ZFI36KQE	YF65E1G-V100	LLZ024
SFV62B-A1-101		9	25,7	147,7	10.330	35.256	5.838	1,77	6,04	ZF28KVE/ZFI39KQE	YF72E1G-V100	-
SFV72B-A1-101		10	30,0	172,4	12.000	40.956	6.801	1,76	6,02	ZF34K5E/ZFI50KQE	YF80E1G-V100	LLZ034
SFV80B-A1-101		12	34,0	195,4	13.800	47.099	7.834	1,76	6,01	-	YSF90E1G-V100	-
SFV88B-A1-101		13	36,4	209,2	14.700	50.171	8.439	1,74	5,95	ZF41K5E/ZFI59KQE	YSF100E1G-V100	-
SFV100B-A1-101		15	41,3	237,4	16.650	56.826	9.572	1,74	5,94	ZF49K5E/ZFI68KQE	YSF125E1G-V100	-
SFV106B-A1-101		17	44,3	254,6	18.600	63.481	10.500	1,77	6,05	ZF54K5E/ZFI81KQE	-	-

Conditions: T. Evaporation -6,7°C. T. Condensation 48,9°C. Overheating 25K. Subcooling 0K.

General Technical Data

R-448A

Conditions: T. Evaporation -6,7°C. T. Condensation 48,9°C. Overheating 25K. Subcooling 0K.

SR

Model ▶	SR22B-B1-101	SR28B-B1-101	SR32B-B1-101	SR38B-B1-101	SR45B-B1-101
Power Supply (V/Ph/Hz)	220V-240V/1Ph/50Hz	220V-240V/1Ph/50Hz	220V-240V/1Ph/50Hz	220V-240V/1Ph/50Hz	220V-240V/1Ph/50Hz
Nominal Capacity(Hp)	1,2	1,4	1,7	2	2,5
50 Hz Displacement (m³/h)	3,7	4,3	5,3	6,1	7,2
Refrigerant	R-448A	R-448A	R-448A	R-448A	R-448A
Cooling Capacity (W)	2.320	2.690	3.210	3.610	4.405
Power input (W)	1.467	1.549	1.775	1.950	2.290
COP (W/W)	1,58	1,74	1,81	1,85	1,92
Rated Load Amps (A)	7,9	8,2	9,1	10,1	11,5
Lock Rotor Amps (A)	74	74	74	74	90
Max. Operating Current (A)	9,0	10,5	13,0	14,8	20,4
Crankcase Heater Power (W)	70	70	70	70	70
Connection Tube (mm/inch)	Discharge	12(1/2")	12(1/2")	12(1/2")	12(1/2")
	Suction	22(7/8")	22(7/8")	22(7/8")	22(7/8")
Dimensions (mm)	Length (L)	237	237	237	237
	Width (W)	237	237	237	237
	Height (H)	413	413	413	413
4 Foot Mounting Size (mm)	190,5×190,5(Ø8,5)	190,5×190,5(Ø8,5)	190,5×190,5(Ø8,5)	190,5×190,5(Ø8,5)	190,5×190,5(Ø8,5)
Oil Type	3GS	3GS	3GS	POE	POE
Initial Oil Charge Volume (L)	1,4	1,4	1,4	1,4	1,4
Refill Oil Charge Volume (L)	1,25	1,25	1,25	1,25	1,25
Max. Operating Pressure (MPa)	High	3,2	3,2	3,2	3,2
	Low	2,0	2,0	2,0	2,0
Weight (Kg)	27,0	27,0	27,0	27,5	28,5

Model ▶	SR52B-B1-101	SR63B-B1-101	SR72B-B1-101	SR22B-A1-101	SR28B-A1-101
Power Supply (V/Ph/Hz)	220V-240V/1Ph/50Hz	220V-240V/1Ph/50Hz	220V-240V/1Ph/50Hz	380V-420V/3Ph/50Hz 460V/3Ph/60Hz	380V-420V/3Ph/50Hz 460V/3Ph/60Hz
Nominal Capacity(Hp)	3	3,5	4	1,2	1,4
50 Hz Displacement (m³/h)	8,5	10,1	11,5	3,7	4,3
Refrigerant	R-448A	R-448A	R-448A	R-448A	R-448A
Cooling Capacity (W)	5.140	6.170	7.205	2.340	2.724
Power input (W)	2.595	3.380	3.760	1.310	1.437
COP (W/W)	1,98	1,83	1,92	1,79	1,90
Rated Load Amps (A)	13,6	16,7	18,5	2,8	2,9
Lock Rotor Amps (A)	90	102	102	22	22
Max. Operating Current (A)	24,1	25,7	28,5	3,3	3,8
Crankcase Heater Power (W)	70	70	70	70	70
Connection Tube (mm/inch)	Discharge	12(1/2")	12(1/2")	12(1/2")	12(1/2")
	Suction	22(7/8")	22(7/8")	22(7/8")	22(7/8")
Dimensions (mm)	Length (L)	237	237	237	237
	Width (W)	237	237	237	237
	Height (H)	413	413	413	413
4 Foot Mounting Size (mm)	190,5×190,5(Ø8,5)	190,5×190,5(Ø8,5)	190,5×190,5(Ø8,5)	190,5×190,5(Ø8,5)	190,5×190,5(Ø8,5)
Oil Type	POE	POE	POE	3GS	3GS
Initial Oil Charge Volume (L)	1,4	1,4	1,4	1,4	1,4
Refill Oil Charge Volume (L)	1,25	1,25	1,25	1,25	1,25
Max. Operating Pressure (MPa)	High	3,2	3,2	3,2	3,2
	Low	2,0	2,0	2,0	2,0
Weight (Kg)	25,0	28,6	28,6	24,0	24,0

Conditions: T. Evaporation -6,7°C. T. Condensation 48,9°C. Overheating 25K. Subcooling 0K.

SR

Model ▶		SR32B-A1-101	SR38B-A1-101	SR45B-A1-101	SR52B-A1-101	SR63B-A1-101
Power Supply (V/Ph/Hz)		380V-420V/3Ph/50Hz 460V/3Ph/60Hz	380V-420V/3Ph/50Hz 460V/3Ph/60Hz	380V-420V/3Ph/50Hz 460V/3Ph/60Hz	380V-420V/3Ph/50Hz 460V/3Ph/60Hz	380V-420V/3Ph/50Hz 460V/3Ph/60Hz
Nominal Capacity(Hp)		1,7	2	2,5	3	3,5
50 Hz Displacement (m³/h)		5,3	6,1	7,2	8,5	10,1
Refrigerant		R-448A	R-448A	R-448A	R-448A	R-448A
Cooling Capacity (W)		3.310	3.760	4.430	5.120	6.210
Power input (W)		1.700	1.890	2.260	2.525	3.104
COP (W/W)		1,95	2,0	2,0	2,0	2,0
Rated Load Amps (A)		3,3	3,5	4,3	5,1	6,0
Lock Rotor Amps (A)		22	22	41	41	41
Max. Operating Current (A)		4,7	5,4	6,3	7,5	8,8
Crankcase Heater Power (W)		70	70	70	70	70
Connection Tube (mm/inch)	Discharge	12(1/2")	12(1/2")	12(1/2")	12(1/2")	12(1/2")
	Suction	22(7/8")	22(7/8")	22(7/8")	22(7/8")	22(7/8")
Dimensions (mm)	Length (L)	237	237	237	237	237
	Width (W)	237	237	237	237	237
	Height (H)	413	413	413	413	413
4 Foot Mounting Size (mm)		190,5×190,5(Ø8,5)	190,5×190,5(Ø8,5)	190,5×190,5(Ø8,5)	190,5×190,5(Ø8,5)	190,5×190,5(Ø8,5)
Oil Type		3GS	POE	POE	POE	POE
Initial Oil Charge Volume (L)		1,4	1,4	1,4	1,4	1,4
Refill Oil Charge Volume (L)		1,25	1,25	1,25	1,25	1,25
Max. Operating Pressure (MPa)	High	3,2	3,2	3,2	3,2	3,2
	Low	2,0	2,0	2,0	2,0	2,0
Weight (Kg)		24,0	24,5	25,5	25,5	25,5

Model ▶		SR72B-A1-101	SR91B-A1-101	SR110B-A1-101	SR125B-A1-101	SR135B-A1-101
Power Supply (V/Ph/Hz)		380V-420V/3Ph/50Hz 460V/3Ph/60Hz	380V-420V/3Ph/50Hz 460V/3Ph/60Hz	380V-420V/3Ph/50Hz 460V/3Ph/60Hz	380V-420V/3Ph/50Hz 460V/3Ph/60Hz	380V-420V/3Ph/50Hz 460V/3Ph/60Hz
Nominal Capacity(Hp)		4	5	6	7	8
50 Hz Displacement (m³/h)		11,5	14,4	17,4	19,5	21,3
Refrigerant		R-448A	R-448A	R-448A	R-448A	R-448A
Cooling Capacity (W)		7.525	8.970	10.980	12.500	13.550
Power input (W)		3.575	4.250	5.289	5.949	5.766
COP (W/W)		2,1	2,1	2,08	2,1	2,35
Rated Load Amps (A)		6,8	7,7	9,7	11,0	10,6
Lock Rotor Amps (A)		61	61	75	87	87
Max. Operating Current (A)		10,3	12,9	14,3	17,5	16,4
Crankcase Heater Power (W)		70	70	70	70	70
Connection Tube (mm/inch)	Discharge	12(1/2")	12(1/2")	12(1/2")	12(1/2")	12(1/2")
	Suction	22(7/8")	22(7/8")	22(7/8")	22(7/8")	22(7/8")
Dimensions (mm)	Length (L)	237	237	237	237	237
	Width (W)	237	237	244	244	244
	Height (H)	413	413	436	436	436
4 Foot Mounting Size (mm)		190,5×190,5(Ø8,5)	190,5×190,5(Ø8,5)	190,5×190,5(Ø8,5)	190,5×190,5(Ø8,5)	190,5×190,5(Ø8,5)
Oil Type		POE	POE	POE	POE	3GS
Initial Oil Charge Volume (L)		1,4	1,4	1,4	1,7	1,7
Refill Oil Charge Volume (L)		1,25	1,25	1,25	1,45	1,45
Max. Operating Pressure (MPa)	High	3,2	3,2	3,2	3,2	3,2
	Low	2,0	2,0	2,0	2,0	2,0
Weight (Kg)		28,0	28,0	33,7	35,3	35,5

General Technical Data

R-448A

Conditions: T. Evaporation -6,7°C. T. Condensation 48,9°C. Overheating 25K. Subcooling 0K.

SR

Model ▶		SR162B-A1-101	SR190B-A1-101	SR215B-A1-101
Power Supply (V/Ph/Hz)		380V-420V/3Ph/50Hz 460V/3Ph/60Hz	380V-420V/3Ph/50Hz 460V/3Ph/60Hz	380V-420V/3Ph/50Hz 460V/3Ph/60Hz
Nominal Capacity(Hp)		9	10	12
50 Hz Displacement (m³/h)		25,7	30,0	34,0
Refrigerant		R-448A	R-448A	R-448A
Cooling Capacity (W)		16.270	18.920	21.560
Power input (W)		7.715	8.885	10.192
COP (W/W)		2,1	2,1	2,1
Rated Load Amps (A)		14,2	16,4	18,8
Lock Rotor Amps (A)		117	121	121
Max. Operating Current (A)		21,0	23,6	26,5
Crankcase Heater Power (W)		90	90	90
Connection Tube (mm/inch)	Discharge	22(7/8")	22(7/8")	22(7/8")
	Suction	28(1-1/8")	28(1-1/8")	28(1-1/8")
Dimensions (mm)	Length (L)	250	250	250
	Width (W)	274	274	274
	Height (H)	548	548	548
4 Foot Mounting Size (mm)		190,5×190,5(Ø8,5)	190,5×190,5(Ø8,5)	190,5×190,5(Ø8,5)
Oil Type		POE	POE	POE
Initial Oil Charge Volume (L)		3,5	3,5	3,5
Refill Oil Charge Volume (L)		3	3	3
Max. Operating Pressure (MPa)	High	3,2	3,2	3,2
	Low	2,0	2,0	2,0
Weight (Kg)		54,0	55,0	55,0

Model ▶		SR230B-A1-101	SR260B-A1-101	SR280B-A1-101
Power Supply (V/Ph/Hz)		380V-420V/3Ph/50Hz 460V/3Ph/60Hz	380V-420V/3Ph/50Hz 460V/3Ph/60Hz	380V-420V/3Ph/50Hz 460V/3Ph/60Hz
Nominal Capacity(Hp)		13	15	20
50 Hz Displacement (m³/h)		36,4	41,3	44,3
Refrigerant		R-448A	R-448A	R-448A
Cooling Capacity (W)		22.950	26.000	27.700
Power input (W)		10.809	12.457	13.355
COP (W/W)		2,1	2,1	2,1
Rated Load Amps (A)		19,9	22,9	24,6
Lock Rotor Amps (A)		148,5	148,5	148,5
Max. Operating Current (A)		27,6	32,8	35,2
Crankcase Heater Power (W)		90	90	90
Connection Tube (mm/inch)	Discharge	22(7/8")	22(7/8")	22(7/8")
	Suction	28(1-1/8")	28(1-1/8")	28(1-1/8")
Dimensions (mm)	Length (L)	250	250	250
	Width (W)	274	274	274
	Height (H)	548	548	548
4 Foot Mounting Size (mm)		190,5×190,5(Ø8,5)	190,5×190,5(Ø8,5)	190,5×190,5(Ø8,5)
Oil Type		POE	POE	POE
Initial Oil Charge Volume (L)		3,5	3,5	3,5
Refill Oil Charge Volume (L)		3	3	3
Max. Operating Pressure (MPa)	High	3,2	3,2	3,2
	Low	2,0	2,0	2,0
Weight (Kg)		55,0	56,0	56,0

General Technical Data

R-448A

Conditions: T. Evaporation -6,7°C. T. Condensation 48,9°C. Overheating 25K. Subcooling 0K.

SFL

Model ▶	SFL09B-B1-105	SFL10B-B1-105	SFL12B-B1-105	SFL15B-B1-105	SFL17B-B1-105
Power Supply (V/Ph/Hz)	220V-240V/1Ph/50Hz	220V-240V/1Ph/50Hz	220V-240V/1Ph/50Hz	220V-240V/1Ph/50Hz	220V-240V/1Ph/50Hz
Nominal Capacity(Hp)	1,2	1,4	1,7	2	2,5
50 Hz Displacement (m³/h)	3,7	4,3	5,3	6,1	7,2
Refrigerant	R-448A	R-448A	R-448A	R-448A	R-448A
Cooling Capacity (W)	983	1.152	1.406	1.620	1.920
Power input (W)	1.000	1.057	1.237	1.430	1.700
COP (W/W)	0,98	1,09	1,14	1,13	1,13
Rated Load Amps (A)	4,7	5,0	5,8	6,8	8,0
Lock Rotor Amps (A)	74	74	74	74	90
Max. Operating Current (A)	7,9	9,1	11,3	13,4	15,5
Crankcase Heater Power (W)	70	70	70	70	70
Connection Tube (mm/inch)	Discharge	12(1/2")	12(1/2")	12(1/2")	12(1/2")
	Suction	22(7/8")	22(7/8")	22(7/8")	22(7/8")
Dimensions (mm)	Length (L)	237	237	237	237
	Width (W)	237	237	237	237
	Height (H)	413	413	413	413
4 Foot Mounting Size (mm)	190,5×190,5(Ø8,5)	190,5×190,5(Ø8,5)	190,5×190,5(Ø8,5)	190,5×190,5(Ø8,5)	190,5×190,5(Ø8,5)
Oil Type	POE	POE	POE	POE	POE
Initial Oil Charge Volume (L)	1,4	1,4	1,4	1,4	1,4
Refill Oil Charge Volume (L)	1,25	1,25	1,25	1,25	1,25
Max. Operating Pressure (MPa)	High	3,2	3,2	3,2	3,2
	Low	2,0	2,0	2,0	2,0
Weight (Kg)	27,0	27,0	27,0	27,5	28,0

Model ▶	SFL20B-B1-105	SFL25B-B1-105	SFL28B-B1-105	SFL09B-A1-105
Power Supply (V/Ph/Hz)	220V-240V/1Ph/50Hz	220V-240V/1Ph/50Hz	220V-240V/1Ph/50Hz	380V-420V/3Ph/50Hz 460V/3pH/60Hz
Nominal Capacity(Hp)	3	3,5	4	1,2
50 Hz Displacement (m³/h)	8,5	10,1	11,5	3,7
Refrigerant	R-448A	R-448A	R-448A	R-448A
Cooling Capacity (W)	2.250	2.680	3.050	988
Power input (W)	1.931	2.380	2.651	990
COP (W/W)	1,17	1,13	1,15	1,00
Rated Load Amps (A)	9,1	11,2	12,5	1,8
Lock Rotor Amps (A)	90	102	102	22
Max. Operating Current (A)	16,2	20,5	23,3	2,2
Crankcase Heater Power (W)	70	70	70	70
Connection Tube (mm/inch)	Discharge	12(1/2")	12(1/2")	12(1/2")
	Suction	22(7/8")	22(7/8")	22(7/8")
Dimensions (mm)	Length (L)	237	237	237
	Width (W)	237	237	237
	Height (H)	413	413	413
4 Foot Mounting Size (mm)	190,5×190,5(Ø8,5)	190,5×190,5(Ø8,5)	190,5×190,5(Ø8,5)	190,5×190,5(Ø8,5)
Oil Type	POE	POE	POE	POE
Initial Oil Charge Volume (L)	1,4	1,4	1,4	1,4
Refill Oil Charge Volume (L)	1,25	1,25	1,25	1,25
Max. Operating Pressure (MPa)	High	3,2	3,2	3,2
	Low	2,0	2,0	2,0
Weight (Kg)	28,0	28,6	28,6	24,0

General Technical Data

R-448A

Conditions: T. Evaporation -6,7°C. T. Condensation 48,9°C. Overheating 25K. Subcooling 0K.

SFL

Model ▶	SFL10B-A1-105	SFL12B-A1-105	SFL15B-A1-105	SFL17B-A1-105	SFL20B-A1-105
Power Supply (V/Ph/Hz)	380V-420V/3Ph/50Hz 460V/3pH/60Hz	380V-420V/3Ph/50Hz 460V/3pH/60Hz	380V-420V/3Ph/50Hz 460V/3pH/60Hz	380V-420V/3Ph/50Hz 460V/3pH/60Hz	380V-420V/3Ph/50Hz 460V/3pH/60Hz
Nominal Capacity(Hp)	1,4	1,7	2	2,5	3
50 Hz Displacement (m³/h)	4,3	5,3	6,1	7,2	8,5
Refrigerant	R-448A	R-448A	R-448A	R-448A	R-448A
Cooling Capacity (W)	1.155	1.410	1.620	1.920	2.250
Power input (W)	1.050	1.230	1.400	1.690	1.900
COP (W/W)	1,10	1,15	1,16	1,14	1,18
Rated Load Amps (A)	1,9	2,3	2,6	3,1	3,5
Lock Rotor Amps (A)	22	22	22	41	41
Max. Operating Current (A)	2,6	3,2	3,8	4,9	5,8
Crankcase Heater Power (W)	70	70	70	70	70
Connection Tube (mm/inch)	Discharge	12(1/2")	12(1/2")	12(1/2")	12(1/2")
	Suction	22(7/8")	22(7/8")	22(7/8")	22(7/8")
Dimensions (mm)	Length (L)	237	237	237	237
	Width (W)	237	237	237	237
	Height (H)	413	413	413	413
4 Foot Mounting Size (mm)	190,5×190,5(Ø8,5)	190,5×190,5(Ø8,5)	190,5×190,5(Ø8,5)	190,5×190,5(Ø8,5)	190,5×190,5(Ø8,5)
Oil Type	POE	POE	POE	POE	POE
Initial Oil Charge Volume (L)	1,4	1,4	1,4	1,4	1,4
Refill Oil Charge Volume (L)	1,25	1,25	1,25	1,25	1,25
Max. Operating Pressure (MPa)	High	3,2	3,2	3,2	3,2
	Low	2,0	2,0	2,0	2,0
Weight (Kg)	24,0	24,5	25,5	25,5	25,5

Model ▶	SFL25B-A1-105	SFL28B-A1-105	SFL35B-A1-105	SFL42B-A1-105
Power Supply (V/Ph/Hz)	380V-420V/3Ph/50Hz 460V/3pH/60Hz	380V-420V/3Ph/50Hz 460V/3pH/60Hz	380V-420V/3Ph/50Hz 460V/3pH/60Hz	380V-420V/3Ph/50Hz 460V/3pH/60Hz
Nominal Capacity(Hp)	3,5	4	5	6
50 Hz Displacement (m³/h)	10,1	11,5	14,4	17,4
Refrigerant	R-448A	R-448A	R-448A	R-448A
Cooling Capacity (W)	2.680	3.050	3.850	4.600
Power input (W)	2.350	2.621	2.940	3.845
COP (W/W)	1,14	1,16	1,31	1,32
Rated Load Amps (A)	4,3	4,8	5,4	6,4
Lock Rotor Amps (A)	41	61	61	75
Max. Operating Current (A)	7,7	8,8	10,3	12,1
Crankcase Heater Power (W)	70	70	70	70
Connection Tube (mm/inch)	Discharge	12(1/2")	12(1/2")	12(1/2")
	Suction	22(7/8")	22(7/8")	22(7/8")
Dimensions (mm)	Length (L)	237	237	237
	Width (W)	237	237	237
	Height (H)	413	413	413
4 Foot Mounting Size (mm)	190,5×190,5(Ø8,5)	190,5×190,5(Ø8,5)	190,5×190,5(Ø8,5)	190,5×190,5(Ø8,5)
Oil Type	POE	POE	POE	POE
Initial Oil Charge Volume (L)	1,4	1,4	1,4	1,7
Refill Oil Charge Volume (L)	1,25	1,25	1,25	1,45
Max. Operating Pressure (MPa)	High	3,2	3,2	3,2
	Low	2,0	2,0	2,0
Weight (Kg)	28,0	28,0	28,0	35,3

Conditions: T. Evaporation -6,7°C. T. Condensation 48,9°C. Overheating 25K. Subcooling 0K.

SFL

Model ▶		SFV15B-B1-101	SFV17B-B1-101	SFV20B-B1-101	SFV25B-B1-101	SFV28B-B1-101
Power Supply (V/Ph/Hz)		220V-240V/1Ph/50Hz	220V-240V/1Ph/50Hz	220V-240V/1Ph/50Hz	220V-240V/1Ph/50Hz	220V-240V/1Ph/50Hz
Nominal Capacity(Hp)		2	2,5	3	3,5	4
50 Hz Displacement (m³/h)		6,1	7,2	8,5	10,1	11,5
Refrigerant		R-448A	R-448A	R-448A	R-448A	R-448A
Cooling Capacity (W)		2.480	3.000	3.450	4.060	4.630
Power input (W)		1.637	1.947	2.210	2.600	3.035
COP (W/W)		1,51	1,54	1,56	1,56	1,53
Rated Load Amps (A)		7,7	9,2	10,4	12,3	14,3
Lock Rotor Amps (A)		76	76	76	109	109
Max. Operating Current (A)		14,7	17,1	17,8	22,5	25,6
Crankcase Heater Power (W)		70	70	70	70	70
Connection Tube (mm/inch)	Discharge	12(1/2")	12(1/2")	12(1/2")	12(1/2")	12(1/2")
	Suction	22(7/8")	22(7/8")	22(7/8")	22(7/8")	22(7/8")
Dimensions (mm)	Length (L)	237	237	237	237	237
	Width (W)	237	237	237	237	237
	Height (H)	413	413	413	413	413
4 Foot Mounting Size (mm)		190,5×190,5(Ø8,5)	190,5×190,5(Ø8,5)	190,5×190,5(Ø8,5)	190,5×190,5(Ø8,5)	190,5×190,5(Ø8,5)
Oil Type		POE	POE	POE	POE	POE
Initial Oil Charge Volume (L)		1,4	1,4	1,4	1,4	1,4
Refill Oil Charge Volume (L)		1,25	1,25	1,25	1,25	1,25
Max. Operating Pressure (MPa)	High	3,2	3,2	3,2	3,2	3,2
	Low	2,0	2,0	2,0	2,0	2,0
Weight (Kg)		28,5	28,5	29,0	30,6	30,6

Model ▶		SFV15B-A1-101	SFV17B-A1-101	SFV20B-A1-101	SFV25B-A1-101	SFV28B-A1-101
Power Supply (V/Ph/Hz)		380V-420V/3Ph/50Hz 460V/3pH/60Hz	380V-420V/3Ph/50Hz 460V/3pH/60Hz	380V-420V/3Ph/50Hz 460V/3pH/60Hz	380V-420V/3Ph/50Hz 460V/3pH/60Hz	380V-420V/3Ph/50Hz 460V/3pH/60Hz
Nominal Capacity(Hp)		2	2,5	3	3,5	4
50 Hz Displacement (m³/h)		6,1	7,2	8,5	10,1	11,5
Refrigerant		R-448A	R-448A	R-448A	R-448A	R-448A
Cooling Capacity (W)		2.480	3.000	3.450	4.060	4.630
Power input (W)		1.603	1.935	2.176	2.691	3.001
COP (W/W)		1,55	1,55	1,59	1,51	1,54
Rated Load Amps (A)		3,0	3,6	4,0	5,0	5,5
Lock Rotor Amps (A)		22	45	45	60	60
Max. Operating Current (A)		4,2	5,4	6,4	8,5	9,7
Crankcase Heater Power (W)		70	70	70	70	70
Connection Tube (mm/inch)	Discharge	12(1/2")	12(1/2")	12(1/2")	12(1/2")	12(1/2")
	Suction	22(7/8")	22(7/8")	22(7/8")	22(7/8")	22(7/8")
Dimensions (mm)	Length (L)	237	237	237	237	237
	Width (W)	237	237	237	237	237
	Height (H)	413	413	413	413	413
4 Foot Mounting Size (mm)		190,5×190,5(Ø8,5)	190,5×190,5(Ø8,5)	190,5×190,5(Ø8,5)	190,5×190,5(Ø8,5)	190,5×190,5(Ø8,5)
Oil Type		POE	POE	POE	POE	POE
Initial Oil Charge Volume (L)		1,4	1,4	1,4	1,4	1,4
Refill Oil Charge Volume (L)		1,25	1,25	1,25	1,25	1,25
Max. Operating Pressure (MPa)	High	3,2	3,2	3,2	3,2	3,2
	Low	2,0	2,0	2,0	2,0	2,0
Weight (Kg)		26,6	26,6	27,5	30,0	30,6

General Technical Data

R-448A

Conditions: T. Evaporation -6,7°C. T. Condensation 48,9°C. Overheating 25K. Subcooling 0K.

SFL

Model ▶		SFL51B-A1-105	SFL62B-A1-105	SFL72B-A1-105	SFL80B-A1-105
Power Supply (V/Ph/Hz)		380V-420V/3Ph/50Hz 460V/3pH/60Hz	380V-420V/3Ph/50Hz 460V/3pH/60Hz	380V-420V/3Ph/50Hz 460V/3pH/60Hz	380V-420V/3Ph/50Hz 460V/3pH/60Hz
Nominal Capacity(Hp)		7,5	9	10	12
50 Hz Displacement (m³/h)		21,3	25,7	30,0	34,0
Refrigerant		R-448A	R-448A	R-448A	R-448A
Cooling Capacity (W)		5.680	6.800	7.900	9.000
Power input (W)		4.279	5.099	5.940	6.842
COP (W/W)		1,33	1,33	1,33	1,32
Rated Load Amps (A)		7,9	9,4	10,9	12,6
Lock Rotor Amps (A)		87	100	114	129
Max. Operating Current (A)		14,8	20,1	22,3	25,6
Crankcase Heater Power (W)		70	90	90	90
Connection Tube (mm/inch)	Discharge	12(1/2")	22(7/8")	22(7/8")	22(7/8")
	Suction	22(7/8")	28(1-1/8")	28(1-1/8")	28(1-1/8")
Dimensions (mm)	Length (L)	237	250	250	250
	Width (W)	244	274	274	274
	Height (H)	436	548	548	548
4 Foot Mounting Size (mm)		190,5×190,5(Ø8,5)	190,5×190,5(Ø8,5)	190,5×190,5(Ø8,5)	190,5×190,5(Ø8,5)
Oil Type		POE	POE	POE	POE
Initial Oil Charge Volume (L)		1,7	3,5	3,5	3,5
Refill Oil Charge Volume (L)		1,45	3	3	3
Max. Operating Pressure (MPa)	High	3,2	3,2	3,2	3,2
	Low	2,0	2,0	2,0	2,0
Weight (Kg)		35,5	54,5	55,8	56,8

Model ▶		SFL88B-A1-105	SFL100B-A1-105	SFL106B-A1-105
Power Supply (V/Ph/Hz)		380V-420V/3Ph/50Hz 460V/3pH/60Hz	380V-420V/3Ph/50Hz 460V/3pH/60Hz	380V-420V/3Ph/50Hz 460V/3pH/60Hz
Nominal Capacity(Hp)		13	15	17
50 Hz Displacement (m³/h)		36,4	41,3	44,3
Refrigerant		R-448A	R-448A	R-448A
Cooling Capacity (W)		9.650	11.000	12.300
Power input (W)		7.370	8.360	9.400
COP (W/W)		1,31	1,32	1,31
Rated Load Amps (A)		13,6	15,4	17,3
Lock Rotor Amps (A)		148,5	148,5	148,5
Max. Operating Current (A)		27,4	31,1	33,4
Crankcase Heater Power (W)		90	90	90
Connection Tube (mm/inch)	Discharge	22(7/8")	22(7/8")	22(7/8")
	Suction	28(1-1/8")	28(1-1/8")	28(1-1/8")
Dimensions (mm)	Length (L)	250	250	250
	Width (W)	274	274	274
	Height (H)	548	548	548
4 Foot Mounting Size (mm)		190,5×190,5(Ø8,5)	190,5×190,5(Ø8,5)	190,5×190,5(Ø8,5)
Oil Type		POE	POE	POE
Initial Oil Charge Volume (L)		3,5	3,5	3,5
Refill Oil Charge Volume (L)		3	3	3
Max. Operating Pressure (MPa)	High	3,2	3,2	3,2
	Low	2,0	2,0	2,0
Weight (Kg)		58,5	59,0	59,3

General Technical Data

R-448A

Conditions: T. Evaporation -6,7°C. T. Condensation 48,9°C. Overheating 25K. Subcooling 0K.

SFV

Model ▶	SFV09B-B1-101	SFV10B-B1-101	SFV12B-B1-101	SFV15B-B1-101	SFV17B-B1-101
Power Supply (V/Ph/Hz)	220V-240V/1Ph/50Hz	220V-240V/1Ph/50Hz	220V-240V/1Ph/50Hz	220V-240V/1Ph/50Hz	220V-240V/1Ph/50Hz
Nominal Capacity(Hp)	1,2	1,4	1,7	2	2,5
50 Hz Displacement (m³/h)	3,7	4,3	5,3	6,1	7,2
Refrigerant	R-448A	R-448A	R-448A	R-448A	R-448A
Cooling Capacity (W)	1.450	1.690	2.080	2.480	3.000
Power input (W)	1.140	1.210	1.413	1.637	1.947
COP (W/W)	1,27	1,40	1,47	1,51	1,54
Rated Load Amps (A)	5,4	5,7	6,7	7,7	9,2
Lock Rotor Amps (A)	74	74	74	74	90
Max. Operating Current (A)	8,7	10,0	12,4	14,7	17,1
Crankcase Heater Power (W)	70	70	70	70	70
Connection Tube (mm/inch)	Discharge	12(1/2")	12(1/2")	12(1/2")	12(1/2")
	Suction	22(7/8")	22(7/8")	22(7/8")	22(7/8")
Dimensions (mm)	Length (L)	237	237	237	237
	Width (W)	237	237	237	237
	Height (H)	413	413	413	413
4 Foot Mounting Size (mm)	190,5×190,5(Ø8,5)	190,5×190,5(Ø8,5)	190,5×190,5(Ø8,5)	190,5×190,5(Ø8,5)	190,5×190,5(Ø8,5)
Oil Type	POE	POE	POE	POE	POE
Initial Oil Charge Volume (L)	1,4	1,4	1,4	1,4	1,4
Refill Oil Charge Volume (L)	1,25	1,25	1,25	1,25	1,25
Max. Operating Pressure (MPa)	High	3,2	3,2	3,2	3,2
	Low	2,0	2,0	2,0	2,0
Weight (Kg)	27,0	27,0	27,0	27,5	28,0

Model ▶	SFV20B-B1-101	SFV25B-B1-101	SFV28B-B1-101	SFV09B-A1-101
Power Supply (V/Ph/Hz)	220V-240V/1Ph/50Hz	220V-240V/1Ph/50Hz	220V-240V/1Ph/50Hz	380V-420V/3Ph/50Hz 460V/3pH/60Hz
Nominal Capacity(Hp)	3	3,5	4	1,2
50 Hz Displacement (m³/h)	8,5	10,1	11,5	3,7
Refrigerant	R-448A	R-448A	R-448A	R-448A
Cooling Capacity (W)	3.450	4.060	4.630	1.450
Power input (W)	2.210	2.600	3.035	1.140
COP (W/W)	1,56	1,56	1,53	1,27
Rated Load Amps (A)	10,4	12,3	14,3	2,1
Lock Rotor Amps (A)	90	102	102	22
Max. Operating Current (A)	17,8	22,5	25,6	2,4
Crankcase Heater Power (W)	70	70	70	70
Connection Tube (mm/inch)	Discharge	12(1/2")	12(1/2")	12(1/2")
	Suction	22(7/8")	22(7/8")	22(7/8")
Dimensions (mm)	Length (L)	237	237	237
	Width (W)	237	237	237
	Height (H)	413	413	413
4 Foot Mounting Size (mm)	190,5×190,5(Ø8,5)	190,5×190,5(Ø8,5)	190,5×190,5(Ø8,5)	190,5×190,5(Ø8,5)
Oil Type	POE	POE	POE	POE
Initial Oil Charge Volume (L)	1,4	1,4	1,4	1,4
Refill Oil Charge Volume (L)	1,25	1,25	1,25	1,45
Max. Operating Pressure (MPa)	High	3,2	3,2	3,2
	Low	2,0	2,0	2,0
Weight (Kg)	28,0	28,6	28,6	24,0

General Technical Data

R-448A

Conditions: T. Evaporation -6,7°C. T. Condensation 48,9°C. Overheating 25K. Subcooling 0K.

SFV

Model ▶	SFV10B-A1-101	SFV12B-A1-101	SFV15B-A1-101	SFV17B-A1-101	SFV20B-A1-101
Power Supply (V/Ph/Hz)	380V-420V/3Ph/50Hz 460V/3pH/60Hz	380V-420V/3Ph/50Hz 460V/3pH/60Hz	380V-420V/3Ph/50Hz 460V/3pH/60Hz	380V-420V/3Ph/50Hz 460V/3pH/60Hz	380V-420V/3Ph/50Hz 460V/3pH/60Hz
Nominal Capacity(Hp)	1,4	1,7	2	2,5	3
50 Hz Displacement (m³/h)	4,3	5,3	6,1	7,2	8,5
Refrigerant	R-448A	R-448A	R-448A	R-448A	R-448A
Cooling Capacity (W)	1.690	2.080	2.480	3.000	3.450
Power input (W)	1.210	1.413	1.603	1.935	2.176
COP (W/W)	1,40	1,47	1,55	1,55	1,59
Rated Load Amps (A)	2,2	2,6	3,0	3,6	4,0
Lock Rotor Amps (A)	22	22	22	41	41
Max. Operating Current (A)	2,9	3,5	4,2	5,4	6,4
Crankcase Heater Power (W)	70	70	70	70	70
Connection Tube (mm/inch)	Discharge	12(1/2")	12(1/2")	12(1/2")	12(1/2")
	Suction	22(7/8")	22(7/8")	22(7/8")	22(7/8")
Dimensions (mm)	Length (L)	237	237	237	237
	Width (W)	237	237	237	237
	Height (H)	413	413	413	413
4 Foot Mounting Size (mm)	190,5×190,5(Ø8,5)	190,5×190,5(Ø8,5)	190,5×190,5(Ø8,5)	190,5×190,5(Ø8,5)	190,5×190,5(Ø8,5)
Oil Type	POE	POE	POE	POE	POE
Initial Oil Charge Volume (L)	1,4	1,4	1,4	1,4	1,4
Refill Oil Charge Volume (L)	1,25	1,25	1,25	1,25	1,25
Max. Operating Pressure (MPa)	High	3,2	3,2	3,2	3,2
	Low	2,0	2,0	2,0	2,0
Weight (Kg)	24,0	24,5	25,5	25,5	25,5

Model ▶	SFV25B-A1-101	SFV28B-A1-101	SFV35B-A1-101	SFV42B-A1-101
Power Supply (V/Ph/Hz)	380V-420V/3Ph/50Hz 460V/3pH/60Hz	380V-420V/3Ph/50Hz 460V/3pH/60Hz	380V-420V/3Ph/50Hz 460V/3pH/60Hz	380V-420V/3Ph/50Hz 460V/3pH/60Hz
Nominal Capacity(Hp)	3,5	4	5	6
50 Hz Displacement (m³/h)	10,1	11,5	14,4	17,4
Refrigerant	R-448A	R-448A	R-448A	R-448A
Cooling Capacity (W)	4.060	4.630	5.850	6.980
Power input (W)	2.691	3.001	3.366	3.991
COP (W/W)	1,51	1,54	1,74	1,75
Rated Load Amps (A)	5,0	5,5	6,2	7,3
Lock Rotor Amps (A)	41	61	61	75
Max. Operating Current (A)	8,5	9,7	11,3	13,3
Crankcase Heater Power (W)	70	70	70	70
Connection Tube (mm/inch)	Discharge	12(1/2")	12(1/2")	12(1/2")
	Suction	22(7/8")	22(7/8")	22(7/8")
Dimensions (mm)	Length (L)	237	237	237
	Width (W)	237	237	237
	Height (H)	413	413	413
4 Foot Mounting Size (mm)	190,5×190,5(Ø8,5)	190,5×190,5(Ø8,5)	190,5×190,5(Ø8,5)	190,5×190,5(Ø8,5)
Oil Type	POE	POE	POE	POE
Initial Oil Charge Volume (L)	1,4	1,4	1,4	1,4
Refill Oil Charge Volume (L)	1,25	1,25	1,25	1,45
Max. Operating Pressure (MPa)	High	3,2	3,2	3,2
	Low	2,0	2,0	2,0
Weight (Kg)	28,0	28,0	28,0	35,3

General Technical Data

R-448A

Conditions: T. Evaporation -6,7°C. T. Condensation 48,9°C. Overheating 25K. Subcooling 0K.

SFV

Model ▶		SFV51B-A1-101	SFV62B-A1-101	SFV72B-A1-101	SFV80B-A1-101
Power Supply (V/Ph/Hz)		380V-420V/3Ph/50Hz 460V/3pH/60Hz	380V-420V/3Ph/50Hz 460V/3pH/60Hz	380V-420V/3Ph/50Hz 460V/3pH/60Hz	380V-420V/3Ph/50Hz 460V/3pH/60Hz
Nominal Capacity(Hp)		7,5	9	10	12
50 Hz Displacement (m³/h)		21,3	25,7	30,0	34,0
Refrigerant		R-448A	R-448A	R-448A	R-448A
Cooling Capacity (W)		8.600	10.330	12.000	13.800
Power input (W)		4.899	5.838	6.801	7.834
COP (W/W)		1,76	1,77	1,76	1,76
Rated Load Amps (A)		9,0	10,8	12,5	14,4
Lock Rotor Amps (A)		87	100	114	129
Max. Operating Current (A)		16,3	22,1	24,5	28,2
Crankcase Heater Power (W)		70	90	90	90
Connection Tube (mm/inch)	Discharge	12(1/2")	22(7/8")	22(7/8")	22(7/8")
	Suction	22(7/8")	28(1-1/8")	28(1-1/8")	28(1-1/8")
Dimensions (mm)	Length (L)	237	250	250	250
	Width (W)	244	274	274	274
	Height (H)	436	548	548	548
4 Foot Mounting Size (mm)		190,5×190,5(Ø8,5)	190,5×190,5(Ø8,5)	190,5×190,5(Ø8,5)	190,5×190,5(Ø8,5)
Oil Type		POE	POE	POE	POE
Initial Oil Charge Volume (L)		1,7	3,5	3,5	3,5
Refill Oil Charge Volume (L)		1,45	3	3	3
Max. Operating Pressure (MPa)	High	3,2	3,2	3,2	3,2
	Low	2,0	2,0	2,0	2,0
Weight (Kg)		35,5	54,5	55,8	56,8

Model ▶		SFV88B-A1-101	SFV100B-A1-101	SFV106B-A1-101
Power Supply (V/Ph/Hz)		380V-420V/3Ph/50Hz 460V/3pH/60Hz	380V-420V/3Ph/50Hz 460V/3pH/60Hz	380V-420V/3Ph/50Hz 460V/3pH/60Hz
Nominal Capacity(Hp)		13	15	17
50 Hz Displacement (m³/h)		36,4	41,3	44,3
Refrigerant		R-448A	R-448A	R-448A
Cooling Capacity (W)		14.700	16.650	18.600
Power input (W)		8.439	9.572	10.500
COP (W/W)		1,74	1,74	1,77
Rated Load Amps (A)		15,5	17,6	19,3
Lock Rotor Amps (A)		148,5	148,5	148,5
Max. Operating Current (A)		30,1	34,2	36,7
Crankcase Heater Power (W)		90	90	90
Connection Tube (mm/inch)	Discharge	22(7/8")	22(7/8")	22(7/8")
	Suction	28(1-1/8")	28(1-1/8")	28(1-1/8")
Dimensions (mm)	Length (L)	250	250	250
	Width (W)	274	274	274
	Height (H)	548	548	548
4 Foot Mounting Size (mm)		190,5×190,5(Ø8,5)	190,5×190,5(Ø8,5)	190,5×190,5(Ø8,5)
Oil Type		POE	POE	POE
Initial Oil Charge Volume (L)		3,5	3,5	3,5
Refill Oil Charge Volume (L)		3	3	3
Max. Operating Pressure (MPa)	High	3,2	3,2	3,2
	Low	2,0	2,0	2,0
Weight (Kg)		58,5	59,0	59,3

SR Series

Capacity with R-448A

Model	kW	Temp. condensation (°C)	Temperature evaporation (°C)									Price €
			-30	-25	-20	-15	-10	-5	0	5	10	
SR22B-B1-101 1,2 Hp Monophase	Capacity kW	60			1,12	1,36	1,63	1,95	2,32	2,74	3,24	-
		50	0,91	1,14	1,39	1,69	2,04	2,43	2,89	3,42	4,05	
		40	1,07	1,33	1,64	1,99	2,39	2,86	3,41	4,04	4,79	
		30	1,20	1,50	1,85	2,26	2,73	3,27	3,91	4,65	5,53	
SR22B-A1-101 1,2 Hp Treephase	Watt kW	60			1,59	1,67	1,74	1,81	1,87	1,93	1,98	-
		50	1,19	1,26	1,32	1,38	1,45	1,51	1,56	1,62	1,67	
		40	1,00	1,06	1,11	1,17	1,22	1,28	1,33	1,38	1,42	
		30	0,85	0,89	0,94	0,98	1,03	1,08	1,13	1,17	1,22	
SR28B-B1-101 1,4 Hp Monophase	Capacity kW	60			1,29	1,57	1,89	2,26	2,68	3,18	3,76	-
		50	1,06	1,32	1,62	1,96	2,36	2,82	3,35	3,97	4,70	
		40	1,24	1,55	1,90	2,31	2,78	3,32	3,95	4,69	5,56	
		30	1,40	1,74	2,15	2,62	3,16	3,79	4,53	5,39	6,42	
SR28B-A1-101 1,4 Hp Treephase	Watt kW	60			1,68	1,76	1,84	1,91	1,97	2,04	2,09	-
		50	1,26	1,33	1,39	1,46	1,53	1,59	1,65	1,71	1,76	
		40	1,06	1,12	1,18	1,23	1,29	1,35	1,40	1,45	1,50	
		30	0,89	0,94	0,99	1,04	1,09	1,14	1,19	1,24	1,29	
SR32B-B1-101 1,7 Hp Monophase	Capacity kW	60			1,54	1,88	2,26	2,70	3,20	3,79	4,49	-
		50	1,26	1,57	1,93	2,34	2,82	3,36	4,00	4,74	5,61	
		40	1,48	1,84	2,27	2,75	3,31	3,96	4,71	5,59	6,63	
		30	1,67	2,08	2,56	3,13	3,77	4,53	5,40	6,43	7,66	
SR32B-A1-101 1,7 Hp Treephase	Watt kW	60			1,93	2,02	2,10	2,18	2,26	2,33	2,40	-
		50	1,44	1,52	1,60	1,68	1,75	1,82	1,89	1,96	2,02	
		40	1,22	1,28	1,35	1,41	1,48	1,54	1,61	1,67	1,72	
		30	1,02	1,08	1,13	1,19	1,25	1,31	1,36	1,42	1,47	
SR38B-B1-101 2 Hp Monophase	Capacity kW	60			1,74	2,11	2,54	3,03	3,60	4,27	5,05	-
		50	1,42	1,77	2,17	2,63	3,17	3,78	4,49	5,33	6,30	
		40	1,67	2,07	2,55	3,09	3,73	4,45	5,30	6,29	7,46	
		30	1,87	2,34	2,88	3,51	4,24	5,09	6,08	7,23	8,61	
	Watt kW	60			2,12	2,22	2,31	2,40	2,48	2,56	2,63	
		50	1,58	1,67	1,76	1,84	1,92	2,00	2,08	2,15	2,22	
		40	1,34	1,41	1,48	1,55	1,63	1,70	1,76	1,83	1,89	
		30	1,12	1,18	1,24	1,31	1,37	1,43	1,50	1,56	1,62	
SR38B-A1-101 2 Hp Treephase	Capacity kW	60			1,81	2,20	2,64	3,16	3,75	4,44	5,25	-
		50	1,48	1,84	2,26	2,74	3,30	3,94	4,68	5,55	6,57	
		40	1,74	2,16	2,65	3,22	3,88	4,64	5,52	6,55	7,77	
		30	1,95	2,44	3,00	3,66	4,42	5,30	6,33	7,54	8,97	
	Watt kW	60			2,05	2,15	2,24	2,33	2,41	2,48	2,55	
		50	1,53	1,62	1,70	1,78	1,86	1,94	2,01	2,08	2,15	
		40	1,29	1,36	1,43	1,51	1,58	1,64	1,71	1,77	1,84	
		30	1,09	1,15	1,21	1,27	1,33	1,39	1,45	1,51	1,57	
SR45B-B1-101 2,5 Hp Monophase	Capacity kW	60			2,12	2,57	3,10	3,70	4,40	5,21	6,16	-
		50	1,74	2,16	2,65	3,21	3,86	4,61	5,48	6,50	7,69	
		40	2,03	2,53	3,11	3,78	4,55	5,43	6,47	7,67	9,10	
		30	2,29	2,86	3,52	4,29	5,18	6,21	7,41	8,83	10,51	
	Watt kW	60			2,49	2,60	2,71	2,82	2,92	3,01	3,09	
		50	1,86	1,96	2,06	2,16	2,26	2,35	2,44	2,52	2,60	
		40	1,57	1,65	1,74	1,82	1,91	1,99	2,07	2,15	2,22	
		30	1,32	1,39	1,46	1,53	1,61	1,68	1,76	1,83	1,90	
SR45B-A1-101 2,5 Hp Treephase	Capacity kW	60			2,13	2,59	3,11	3,72	4,42	5,24	6,19	-
		50	1,75	2,17	2,66	3,23	3,89	4,64	5,51	6,53	7,74	
		40	2,04	2,55	3,13	3,80	4,57	5,47	6,50	7,72	9,15	
		30	2,30	2,87	3,54	4,31	5,21	6,25	7,46	8,88	10,57	
	Watt kW	60			2,46	2,57	2,68	2,78	2,88	2,97	3,05	
		50	1,83	1,93	2,03	2,13	2,23	2,32	2,41	2,49	2,57	
		40	1,55	1,63	1,72	1,80	1,88	1,97	2,05	2,12	2,19	
		30	1,30	1,37	1,44	1,51	1,59	1,66	1,74	1,81	1,88	
SR52B-B1-101 3 Hp Monophase	Capacity kW	60			2,47	3,00	3,61	4,32	5,13	6,08	7,18	-
		50	2,02	2,52	3,09	3,75	4,51	5,38	6,40	7,58	8,98	
		40	2,37	2,95	3,63	4,41	5,30	6,34	7,55	8,95	10,62	
		30	2,67	3,33	4,11	5,00	6,04	7,25	8,65	10,30	12,26	
	Watt kW	60			2,82	2,95	3,08	3,19	3,31	3,41	3,50	
		50	2,11	2,22	2,34	2,45	2,56	2,66	2,77	2,86	2,95	
		40	1,78	1,87	1,97	2,07	2,16	2,26	2,35	2,44	2,52	
		30	1,50	1,57	1,66	1,74	1,82	1,91	1,99	2,08	2,16	

Capacity @ 18,3°C Return Gas Temperature, No Sub Cooling.

SR Series

Capacity with R-448A

Model	kW	Temp. condensation (°C)	Temperature evaporation (°C)									Price €
			-30	-25	-20	-15	-10	-5	0	5	10	
SR52B-A1-101 3 Hp Treephase	Capacity kW	60			2,46	2,99	3,60	4,30	5,11	6,05	7,16	-
		50	2,02	2,51	3,08	3,74	4,49	5,36	6,37	7,55	8,94	
		40	2,36	2,94	3,61	4,39	5,28	6,32	7,52	8,92	10,58	
	30	2,66	3,32	4,09	4,99	6,02	7,22	8,62	10,26	12,21		
	Watt kW	60			2,74	2,87	2,99	3,11	3,22	3,32	3,41	
		50	2,05	2,16	2,27	2,38	2,49	2,59	2,69	2,78	2,87	
40		1,73	1,82	1,92	2,01	2,10	2,20	2,29	2,37	2,45		
30	1,46	1,53	1,61	1,69	1,77	1,86	1,94	2,02	2,10			
SR63B-B1-101 3,5 Hp Monophase	Capacity kW	60			2,97	3,60	4,34	5,18	6,16	7,29	8,62	-
		50	2,43	3,02	3,71	4,50	5,41	6,46	7,68	9,10	10,78	
		40	2,85	3,54	4,35	5,29	6,37	7,61	9,06	10,75	12,75	
	30	3,20	4,00	4,93	6,01	7,25	8,70	10,39	12,36	14,72		
	Watt kW	60			3,67	3,84	4,01	4,16	4,31	4,44	4,56	
		50	2,74	2,89	3,04	3,19	3,33	3,47	3,60	3,73	3,84	
40		2,31	2,44	2,57	2,69	2,82	2,94	3,06	3,17	3,28		
30	1,95	2,05	2,16	2,26	2,37	2,49	2,59	2,70	2,81			
SR63B-A1-101 3,5 Hp Treephase	Capacity kW	60			2,99	3,63	4,37	5,22	6,20	7,34	8,68	-
		50	2,45	3,04	3,73	4,53	5,45	6,51	7,73	9,16	10,85	
		40	2,87	3,57	4,38	5,32	6,41	7,66	9,12	10,82	12,83	
	30	3,22	4,03	4,96	6,05	7,30	8,76	10,45	12,44	14,81		
	Watt kW	60			3,37	3,53	3,68	3,82	3,95	4,08	4,19	
		50	2,52	2,66	2,79	2,93	3,06	3,19	3,31	3,42	3,53	
40		2,13	2,24	2,36	2,47	2,59	2,70	2,81	2,91	3,01		
30	1,79	1,88	1,98	2,08	2,18	2,28	2,38	2,48	2,58			
SR72B-B1-101 4 Hp Monophase	Capacity kW	60			3,47	4,21	5,07	6,05	7,19	8,52	10,07	-
		50	2,84	3,53	4,33	5,26	6,32	7,55	8,97	10,63	12,58	
		40	3,33	4,14	5,08	6,18	7,43	8,89	10,58	12,55	14,89	
	30	3,74	4,67	5,76	7,02	8,47	10,16	12,13	14,44	17,19		
	Watt kW	60			4,09	4,27	4,46	4,63	4,79	4,94	5,08	
		50	3,05	3,22	3,39	3,55	3,71	3,86	4,01	4,14	4,27	
40		2,57	2,71	2,85	2,99	3,13	3,27	3,40	3,53	3,65		
30	2,17	2,28	2,40	2,52	2,64	2,76	2,89	3,01	3,12			
SR72B-A1-101 4 Hp Treephase	Capacity kW	60			3,62	4,40	5,29	6,32	7,51	8,90	10,52	-
		50	2,96	3,69	4,52	5,49	6,60	7,88	9,37	11,10	13,14	
		40	3,47	4,32	5,31	6,45	7,77	9,28	11,05	13,11	15,55	
	30	3,91	4,88	6,01	7,33	8,85	10,61	12,67	15,08	17,95		
	Watt kW	60			3,88	4,06	4,24	4,40	4,55	4,70	4,83	
		50	2,90	3,06	3,22	3,37	3,52	3,67	3,81	3,94	4,06	
40		2,45	2,58	2,71	2,85	2,98	3,11	3,24	3,36	3,47		
30	2,06	2,17	2,28	2,39	2,51	2,63	2,74	2,86	2,97			
SR91B-A1-101 5 Hp Treephase	Capacity kW	60			4,25	5,19	6,26	7,50	8,91	10,50	12,30	-
		50	3,45	4,30	5,31	6,48	7,83	9,39	11,17	13,21	15,53	
		40	4,07	5,08	6,27	7,66	9,26	11,12	13,25	15,69	18,50	
	30	4,64	5,80	7,17	8,76	10,61	12,75	15,22	18,06	21,33		
	Watt kW	60			4,71	4,92	5,12	5,31	5,47	5,60	5,72	
		50	3,49	3,68	3,87	4,05	4,21	4,37	4,50	4,62	4,71	
40		2,88	3,04	3,19	3,34	3,48	3,61	3,73	3,83	3,91		
30	2,40	2,52	2,65	2,77	2,90	3,01	3,12	3,22	3,30			
SR110B-A1-101 6 Hp Treephase	Capacity kW	60			5,28	6,41	7,72	9,22	10,96	12,98	15,34	-
		50	4,33	5,38	6,60	8,01	9,63	11,50	13,67	16,20	19,18	
		40	5,07	6,31	7,75	9,41	11,33	13,55	16,12	19,13	22,69	
	30	5,70	7,12	8,77	10,69	12,91	15,48	18,48	22,00	26,19		
	Watt kW	60			5,75	6,01	6,27	6,51	6,74	6,95	7,14	
		50	4,29	4,53	4,76	4,99	5,21	5,43	5,64	5,83	6,01	
40		3,62	3,82	4,01	4,21	4,41	4,60	4,79	4,97	5,14		
30	3,05	3,21	3,37	3,54	3,72	3,89	4,06	4,23	4,39			
SR125B-A1-101 7 Hp Treephase	Capacity kW	60			5,72	6,98	8,43	10,06	11,91	13,99	16,33	-
		50	4,55	5,71	7,06	8,62	10,42	12,47	14,80	17,47	20,53	
		40	5,39	6,75	8,34	10,18	12,30	14,73	17,53	20,75	24,48	
	30	6,18	7,72	9,52	11,61	14,02	16,80	20,02	23,74	28,08		
	Watt kW	60			5,79	6,21	6,57	6,87	7,11	7,30	7,43	
		50	4,14	4,57	4,94	5,26	5,52	5,73	5,89	6,01	6,08	
40		3,64	3,95	4,22	4,44	4,62	4,75	4,85	4,91	4,94		
30	3,17	3,39	3,57	3,71	3,82	3,90	3,94	3,96	3,96			

Capacity @ 18,3°C Return Gas Temperature, No Sub Cooling.

SR Series

Capacity with R-448A

Model	kW	Temp. condensation (°C)	Temperature evaporation (°C)								Price €	
			-30	-25	-20	-15	-10	-5	0	5		10
SR135B-A1-101 8 Hp Treephase	Capacity kW	60			6,50	7,90	9,50	11,36	13,49	15,98	18,89	-
		50	5,33	6,62	8,13	9,86	11,86	14,16	16,83	19,94	23,61	
		40	6,24	7,77	9,54	11,59	13,95	16,68	19,85	23,55	27,94	
	30	7,02	8,77	10,80	13,16	15,90	19,07	22,76	27,09	32,25		
	Watt kW	60			6,91	7,23	7,54	7,83	8,10	8,35	8,59	
		50	5,16	5,44	5,73	6,00	6,27	6,53	6,78	7,01	7,22	
40		4,35	4,59	4,83	5,06	5,30	5,53	5,76	5,97	6,17		
30	3,67	3,86	4,06	4,26	4,47	4,68	4,88	5,09	5,28			
SR162B-A1-101 9 Hp Treephase	Capacity kW	60			7,83	9,50	11,44	13,67	16,24	19,23	22,74	-
		50	6,41	7,97	9,78	11,87	14,27	17,04	20,25	24,00	28,41	
		40	7,51	9,35	11,48	13,95	16,79	20,07	23,88	28,34	33,62	
	30	8,44	10,55	13,00	15,84	19,13	22,94	27,39	32,61	36,81		
	Watt kW	60			8,38	8,77	9,14	9,50	9,83	10,14	10,42	
		50	6,26	6,61	6,95	7,28	7,61	7,92	8,22	8,50	8,76	
40		5,28	5,57	5,86	6,14	6,43	6,71	6,98	7,24	7,49		
30	4,45	4,68	4,92	5,17	5,42	5,67	5,92	6,17	6,41			
SR190B-A1-101 10 Hp Treephase	Capacity kW	60			9,10	11,05	13,30	15,89	18,88	22,36	26,44	-
		50	7,45	9,27	11,37	13,80	16,60	19,82	23,55	27,91	33,04	
		40	8,73	10,87	13,35	16,22	19,52	23,34	27,77	32,96	39,10	
	30	9,82	12,27	15,12	18,42	22,25	26,68	31,85	37,92	45,13		
	Watt kW	60			9,65	10,10	10,53	10,94	11,32	11,67	12,00	
		50	7,21	7,61	8,00	8,39	8,76	9,12	9,47	9,79	10,09	
40		6,08	6,41	6,74	7,08	7,40	7,73	8,04	8,34	8,63		
30	5,12	5,39	5,67	5,95	6,24	6,53	6,82	7,11	7,38			
SR215B-A1-101 12 Hp Treephase	Capacity kW	60			10,37	12,60	15,16	18,11	21,52	25,49	30,13	-
		50	8,49	10,56	12,96	15,73	18,91	22,59	26,84	31,80	37,65	
		40	9,95	12,39	15,22	18,48	22,25	26,60	31,65	37,56	44,55	
	30	11,19	13,98	17,23	20,99	25,35	30,40	36,29	43,21	51,43		
	Watt kW	60			11,07	11,59	12,08	12,54	12,98	13,39	13,76	
		50	8,27	8,73	9,18	9,62	10,05	10,46	10,86	11,23	11,58	
40		6,98	7,36	7,74	8,12	8,49	8,86	9,22	9,57	9,90		
30	5,88	6,18	6,50	6,83	7,16	7,49	7,82	8,15	8,47			
SR230B-A1-101 13 Hp Treephase	Capacity kW	60			11,04	13,41	16,13	19,28	22,91	27,13	32,07	-
		50	9,04	11,24	13,80	16,74	20,13	24,04	28,57	33,85	40,08	
		40	10,59	13,19	16,20	19,67	23,68	28,31	33,69	39,98	47,43	
	30	11,91	14,88	18,34	22,35	26,99	32,36	38,63	45,99	54,74		
	Watt kW	60			11,75	12,29	12,81	13,30	13,77	14,20	14,60	
		50	8,77	9,25	9,73	10,20	10,66	11,10	11,52	11,91	12,28	
40		7,40	7,80	8,20	8,61	9,01	9,40	9,78	10,15	10,50		
30	6,23	6,56	6,89	7,24	7,59	7,95	8,30	8,64	8,98			
SR260B-A1-101 15 Hp Treephase	Capacity kW	60			12,50	15,19	18,28	21,84	25,95	30,73	36,34	-
		50	10,24	12,74	15,63	18,97	22,81	27,24	32,37	38,35	45,41	
		40	12,00	14,94	18,35	22,29	26,83	32,08	38,17	45,29	53,73	
	30	13,49	16,86	20,77	25,32	30,57	36,67	43,76	52,10	62,02		
	Watt kW	60			13,54	14,16	14,76	15,33	15,87	16,37	16,82	
		50	10,11	10,67	11,22	11,76	12,28	12,79	13,27	13,73	14,15	
40		8,53	8,99	9,45	9,92	10,38	10,83	11,27	11,70	12,10		
30	7,18	7,56	7,94	8,34	8,75	9,16	9,56	9,96	10,35			
SR280B-A1-101 20 Hp Treephase	Capacity kW	60			13,32	16,18	19,47	23,27	27,65	32,74	38,71	-
		50	10,91	13,57	16,65	20,21	24,30	29,02	34,48	40,86	48,38	
		40	12,78	15,91	19,55	23,74	28,58	34,17	40,66	48,26	57,24	
	30	14,37	17,96	22,13	26,97	32,57	39,06	46,63	55,51	66,07		
	Watt kW	60			14,51	15,18	15,83	16,44	17,01	17,55	18,03	
		50	10,84	11,43	12,02	12,60	13,17	13,71	14,23	14,72	15,17	
40		9,14	9,64	10,14	10,64	11,13	11,62	12,09	12,54	12,97		
30	7,70	8,10	8,52	8,95	9,38	9,82	10,25	10,68	11,09			

Capacity @ 18,3°C Return Gas Temperature, No Sub Cooling.

SFL Series

Capacity with R-448A

Model	kW	Temp. condensation (°C)	Temperature evaporation (°C)									Price €
			-40	-35	-30	-25	-20	-15	-10	-5	0	
SFL09B-B1-105 1,2 Hp Monophase	Capacity kW	60					1,07	1,27	1,50	1,75	2,00	-
		50	0,58	0,73	0,91	1,11	1,36	1,63	1,94	2,27	2,63	
		40	0,68	0,86	1,07	1,32	1,61	1,95	2,32	2,74	3,18	
		30	0,77	0,98	1,22	1,51	1,85	2,24	2,68	3,17	3,69	
SFL09B-A1-105 1,2 Hp Treephase	Watt kW	60					1,58	1,65	1,70	1,75	1,78	-
		50	1,09	1,14	1,20	1,26	1,31	1,36	1,41	1,45	1,48	
		40	0,90	0,95	0,99	1,04	1,09	1,13	1,17	1,21	1,25	
		30	0,75	0,78	0,82	0,86	0,91	0,95	0,99	1,04	1,07	
SFL10B-B1-105 1,4 Hp Monophase	Capacity kW	60					1,25	1,49	1,75	2,04	2,34	-
		50	0,68	0,85	1,06	1,30	1,58	1,91	2,26	2,65	3,07	
		40	0,79	1,00	1,25	1,54	1,88	2,28	2,72	3,20	3,72	
		30	0,90	1,14	1,43	1,77	2,17	2,62	3,14	3,70	4,32	
SFL10B-A1-105 1,4 Hp Treephase	Watt kW	60					1,68	1,75	1,80	1,85	1,89	-
		50	1,15	1,21	1,27	1,33	1,39	1,45	1,49	1,54	1,57	
		40	0,96	1,01	1,05	1,10	1,15	1,20	1,25	1,29	1,32	
		30	0,79	0,83	0,87	0,91	0,96	1,01	1,05	1,10	1,14	
SFL12B-B1-105 1,7 Hp Monophase	Capacity kW	60					1,52	1,82	2,14	2,49	2,86	-
		50	0,83	1,04	1,29	1,59	1,93	2,33	2,76	3,24	3,75	
		40	0,97	1,22	1,52	1,88	2,30	2,78	3,31	3,91	4,54	
		30	1,10	1,39	1,75	2,16	2,65	3,20	3,83	4,52	5,27	
SFL12B-A1-105 1,7 Hp Treephase	Watt kW	60					1,97	2,04	2,11	2,17	2,21	-
		50	1,35	1,42	1,49	1,56	1,63	1,69	1,75	1,80	1,84	
		40	1,12	1,18	1,23	1,29	1,35	1,41	1,46	1,51	1,55	
		30	0,93	0,97	1,02	1,07	1,13	1,18	1,24	1,29	1,34	
SFL15B-B1-105 2 Hp Monophase	Capacity kW	60					1,75	2,09	2,46	2,86	3,28	-
		50	0,95	1,20	1,49	1,83	2,22	2,67	3,17	3,72	4,31	
		40	1,11	1,40	1,75	2,16	2,64	3,19	3,81	4,49	5,22	
		30	1,27	1,60	2,01	2,48	3,04	3,68	4,40	5,19	6,05	
	Watt kW	60					2,29	2,38	2,46	2,52	2,57	
		50	1,57	1,65	1,74	1,82	1,90	1,97	2,04	2,09	2,14	
		40	1,31	1,37	1,43	1,50	1,57	1,64	1,70	1,75	1,80	
		30	1,08	1,13	1,18	1,25	1,31	1,37	1,44	1,50	1,55	
SFL15B-A1-105 2 Hp Treephase	Capacity kW	60					1,75	2,09	2,46	2,86	3,28	-
		50	0,95	1,20	1,49	1,83	2,22	2,67	3,17	3,72	4,31	
		40	1,11	1,40	1,75	2,16	2,64	3,19	3,81	4,49	5,22	
		30	1,27	1,60	2,01	2,48	3,04	3,68	4,40	5,19	6,05	
	Watt kW	60					2,24	2,33	2,40	2,47	2,52	
		50	1,54	1,62	1,70	1,78	1,86	1,93	1,99	2,05	2,10	
		40	1,28	1,34	1,40	1,47	1,54	1,60	1,66	1,72	1,76	
		30	1,06	1,11	1,16	1,22	1,28	1,34	1,41	1,47	1,52	
SFL17B-B1-105 2,5 Hp Monophase	Capacity kW	60					2,07	2,47	2,92	3,39	3,89	-
		50	1,13	1,42	1,76	2,16	2,63	3,17	3,76	4,41	5,11	
		40	1,32	1,66	2,08	2,56	3,13	3,78	4,51	5,32	6,18	
		30	1,50	1,90	2,38	2,94	3,60	4,36	5,21	6,16	7,17	
	Watt kW	60					2,62	2,72	2,81	2,88	2,94	
		50	1,80	1,89	1,98	2,08	2,17	2,25	2,33	2,39	2,45	
		40	1,49	1,56	1,64	1,72	1,79	1,87	1,94	2,00	2,06	
		30	1,24	1,29	1,35	1,42	1,50	1,57	1,64	1,71	1,77	
SFL17B-A1-105 2,5 Hp Treephase	Capacity kW	60					2,07	2,47	2,92	3,39	3,89	-
		50	1,13	1,42	1,76	2,16	2,63	3,17	3,76	4,41	5,11	
		40	1,32	1,66	2,08	2,56	3,13	3,78	4,51	5,32	6,18	
		30	1,50	1,90	2,38	2,94	3,60	4,36	5,21	6,16	7,17	
	Watt kW	60					2,70	2,81	2,90	2,98	3,04	
		50	1,86	1,95	2,05	2,15	2,24	2,33	2,41	2,47	2,53	
		40	1,54	1,62	1,70	1,78	1,86	1,93	2,01	2,07	2,13	
		30	1,28	1,33	1,40	1,47	1,55	1,62	1,70	1,77	1,83	
SFL20B-B1-105 3 Hp Monophase	Capacity kW	60					2,43	2,90	3,42	3,98	4,56	-
		50	1,32	1,66	2,06	2,54	3,09	3,71	4,41	5,17	5,98	
		40	1,55	1,95	2,43	3,00	3,67	4,43	5,29	6,23	7,25	
		30	1,76	2,22	2,78	3,45	4,22	5,11	6,11	7,21	8,41	
	Watt kW	60					3,09	3,21	3,31	3,40	3,48	
		50	2,12	2,23	2,34	2,45	2,56	2,66	2,75	2,83	2,89	
		40	1,76	1,85	1,94	2,03	2,12	2,21	2,29	2,37	2,43	
		30	1,46	1,52	1,60	1,68	1,77	1,85	1,94	2,02	2,10	

Capacity @ 18,3°C Return Gas Temperature, No Sub Cooling.

SFL Series

Capacity with R-448A

Model	kW	Temp. condensation (°C)	Temperature evaporation (°C)									Price €
			-40	-35	-30	-25	-20	-15	-10	-5	0	
SFL20B-A1-105 3 Hp Treephase	Capacity kW	60					2,43	2,90	3,42	3,98	4,56	-
		50	1,32	1,66	2,06	2,54	3,09	3,71	4,41	5,17	5,98	
		40	1,55	1,95	2,43	3,00	3,67	4,43	5,29	6,23	7,25	
	30	1,76	2,22	2,78	3,45	4,22	5,11	6,11	7,21	8,41		
	Watt kW	60					3,04	3,16	3,26	3,35	3,42	
		50	2,09	2,20	2,31	2,41	2,52	2,62	2,70	2,78	2,84	
40		1,74	1,82	1,91	2,00	2,09	2,17	2,25	2,33	2,39		
SFL25B-B1-105 3,5 Hp Monophase	Capacity kW	60					2,89	3,45	4,07	4,73	5,43	-
		50	1,58	1,98	2,46	3,02	3,68	4,42	5,25	6,16	7,13	
		40	1,84	2,32	2,90	3,58	4,37	5,28	6,30	7,42	8,63	
	30	2,10	2,65	3,32	4,11	5,03	6,08	7,28	8,59	10,01		
	Watt kW	60					3,81	3,96	4,09	4,20	4,29	
		50	2,61	2,75	2,89	3,02	3,15	3,28	3,39	3,48	3,56	
40		2,18	2,28	2,39	2,50	2,61	2,72	2,82	2,92	3,00		
SFL25B-A1-105 3,5 Hp Treephase	Capacity kW	60					2,89	3,45	4,07	4,73	5,43	-
		50	1,58	1,98	2,46	3,02	3,68	4,42	5,25	6,16	7,13	
		40	1,84	2,32	2,90	3,58	4,37	5,28	6,30	7,42	8,63	
	30	2,10	2,65	3,32	4,11	5,03	6,08	7,28	8,59	10,01		
	Watt kW	60					3,76	3,91	4,03	4,14	4,23	
		50	2,58	2,72	2,85	2,99	3,11	3,24	3,35	3,44	3,52	
40		2,15	2,25	2,36	2,47	2,58	2,69	2,79	2,88	2,96		
SFL28B-B1-105 4 Hp Monophase	Capacity kW	60					3,29	3,93	4,63	5,39	6,18	-
		50	1,79	2,25	2,80	3,44	4,18	5,03	5,98	7,01	8,11	
		40	2,09	2,64	3,30	4,07	4,98	6,01	7,17	8,45	9,82	
	30	2,38	3,02	3,77	4,67	5,72	6,92	8,28	9,78	11,40		
	Watt kW	60					4,24	4,41	4,55	4,67	4,77	
		50	2,91	3,06	3,22	3,37	3,51	3,65	3,77	3,88	3,97	
40		2,42	2,54	2,66	2,78	2,91	3,03	3,15	3,25	3,34		
SFL28B-A1-105 4 Hp Treephase	Capacity kW	60					3,29	3,93	4,63	5,39	6,18	-
		50	1,79	2,25	2,80	3,44	4,18	5,03	5,98	7,01	8,11	
		40	2,09	2,64	3,30	4,07	4,98	6,01	7,17	8,45	9,82	
	30	2,38	3,02	3,77	4,67	5,72	6,92	8,28	9,78	11,40		
	Watt kW	60					4,19	4,36	4,50	4,62	4,72	
		50	2,88	3,03	3,18	3,33	3,47	3,61	3,73	3,84	3,92	
40		2,40	2,51	2,63	2,75	2,88	3,00	3,11	3,21	3,30		
SFL35B-B1-105 5 Hp Treephase	Capacity kW	60					4,15	4,96	5,85	6,80	7,80	-
		50	2,26	2,84	3,53	4,34	5,28	6,35	7,54	8,85	10,24	
		40	2,64	3,33	4,16	5,14	6,28	7,58	9,05	10,66	12,40	
	30	3,01	3,81	4,77	5,90	7,22	8,74	10,45	12,34	14,39		
	Watt kW	60					4,70	4,89	5,05	5,18	5,29	
		50	3,23	3,40	3,57	3,74	3,90	4,05	4,18	4,30	4,40	
40		2,69	2,81	2,95	3,09	3,23	3,36	3,49	3,60	3,70		
SFL42B-A1-105 6 Hp Treephase	Capacity kW	60					4,96	5,92	6,98	8,13	9,32	-
		50	2,70	3,39	4,22	5,19	6,31	7,59	9,01	10,57	12,23	
		40	3,16	3,98	4,97	6,14	7,50	9,06	10,81	12,74	14,82	
	30	3,60	4,55	5,69	7,05	8,63	10,44	12,49	14,75	17,19		
	Watt kW	60					5,58	5,79	5,98	6,15	6,28	
		50	3,83	4,03	4,23	4,43	4,62	4,80	4,96	5,10	5,22	
40		3,19	3,34	3,50	3,66	3,83	3,99	4,14	4,27	4,39		
SFL51B-A1-105 7,5 Hp Treephase	Capacity kW	60					6,12	7,31	8,62	10,03	11,51	-
		50	3,34	4,19	5,21	6,40	7,79	9,37	11,13	13,06	15,11	
		40	3,90	4,92	6,14	7,59	9,27	11,19	13,35	15,73	18,29	
	30	4,44	5,62	7,03	8,70	10,66	12,90	15,42	18,21	21,22		
	Watt kW	60					6,85	7,11	7,35	7,55	7,70	
		50	4,70	4,95	5,19	5,44	5,67	5,89	6,09	6,26	6,40	
40		3,91	4,10	4,29	4,49	4,70	4,89	5,08	5,24	5,39		
30	3,23	3,38	3,55	3,73	3,92	4,11	4,30	4,48	4,65			

Capacity a 18,3 °C de temperatura de retorno de aspiración y 0 °C de subenfriamiento.

SFL Series

Capacity with R-448A

Model	kW	Temp. condensation (°C)	Temperature evaporation (°C)								Price €	
			-40	-35	-30	-25	-20	-15	-10	-5		0
SFL62B-A1-105 9 Hp Treephase	Capacity kW	60					7,33	8,75	10,32	12,01	13,78	-
		50	4,00	5,02	6,23	7,67	9,33	11,22	13,33	15,63	18,08	
		40	4,67	5,89	7,35	9,08	11,09	13,40	15,98	18,84	21,90	
	Watt kW	30	5,32	6,72	8,42	10,42	12,76	15,44	18,46	21,80	25,41	
		60					8,16	8,47	8,75	8,99	9,18	
		50	5,60	5,89	6,19	6,48	6,76	7,02	7,26	7,46	7,63	
SFL72B-A1-105 10 Hp Treephase	Capacity kW	60					8,52	10,17	11,99	13,96	16,00	-
		50	4,64	5,83	7,24	8,91	10,84	13,03	15,48	18,16	21,01	
		40	5,43	6,84	8,54	10,55	12,89	15,56	18,57	21,88	25,44	
	Watt kW	30	6,18	7,81	9,78	12,11	14,82	17,94	21,45	25,33	29,52	
		60					9,50	9,87	10,20	10,47	10,69	
		50	6,52	6,86	7,21	7,55	7,87	8,18	8,46	8,70	8,89	
SFL80B-A1-105 12 Hp Treephase	Capacity kW	60					9,70	11,59	13,66	15,90	18,23	-
		50	5,29	6,64	8,25	10,15	12,34	14,84	17,64	20,69	23,94	
		40	6,18	7,80	9,73	12,02	14,68	17,73	21,16	24,93	28,99	
	Watt kW	30	7,04	8,90	11,14	13,79	16,88	20,43	24,43	28,85	33,63	
		60					10,95	11,37	11,75	12,07	12,32	
		50	7,52	7,91	8,30	8,69	9,07	9,42	9,74	10,02	10,24	
SFL88B-A1-105 13 Hp Treephase	Capacity kW	60					10,40	12,42	14,65	17,05	19,55	-
		50	5,67	7,12	8,85	10,88	13,24	15,92	18,91	22,18	25,66	
		40	6,63	8,36	10,43	12,89	15,74	19,01	22,68	26,73	31,08	
	Watt kW	30	7,54	9,54	11,94	14,79	18,10	21,91	26,20	30,94	36,06	
		60					11,79	12,25	12,65	13,00	13,27	
		50	8,10	8,52	8,94	9,36	9,77	10,15	10,49	10,79	11,03	
SFL100B-A1-105 15 Hp Treephase	Capacity kW	60					11,86	14,16	16,70	19,43	22,28	-
		50	6,47	8,12	10,09	12,40	15,09	18,14	21,56	25,29	29,25	
		40	7,55	9,53	11,89	14,69	17,94	21,67	25,86	30,47	35,43	
	Watt kW	30	8,60	10,88	13,61	16,86	20,64	24,97	29,86	35,27	41,10	
		60					13,38	13,89	14,35	14,74	15,05	
		50	9,18	9,66	10,15	10,62	11,08	11,51	11,90	12,24	12,51	
SFL106B-A1-105 17 Hp Treephase	Capacity kW	60					13,26	15,83	18,67	21,73	24,92	-
		50	7,23	9,08	11,28	13,87	16,87	20,29	24,10	28,27	32,71	
		40	8,45	10,65	13,30	16,43	20,07	24,23	28,91	34,07	39,62	
	Watt kW	30	9,62	12,16	15,22	18,85	23,08	27,93	33,39	39,43	45,96	
		60					15,04	15,62	16,14	16,58	16,92	
		50	10,33	10,86	11,41	11,94	12,46	12,94	13,38	13,76	14,07	
	Watt kW	40	8,59	9,00	9,43	9,87	10,32	10,75	11,15	11,52	11,84	
		30	7,11	7,42	7,79	8,19	8,60	9,02	9,44	9,84	10,20	

Capacity @ 18,3°C Return Gas Temperature, No Sub Cooling.

Serie SFV

Capacity with R-448A

Model	kW	Temp. condensation (°C)	Temperature evaporation (°C)									Price €
			-40	-35	-30	-25	-20	-15	-10	-5	0	
SFV09B-B1-101 1,2 Hp Monophase	Capacity kW	60					1,84	2,14	2,46	2,79	3,12	-
		50	0,94	1,16	1,40	1,68	2,00	2,34	2,71	3,10	3,49	
		40	0,98	1,21	1,48	1,78	2,13	2,51	2,92	3,35	3,80	
		30	1,02	1,27	1,55	1,88	2,25	2,66	3,10	3,58	4,07	
SFV09B-A1-101 1,2 Hp Treephase	Watt kW	60					1,86	1,94	2,03	2,14	2,26	-
		50	1,39	1,41	1,44	1,48	1,52	1,58	1,65	1,73	1,82	
		40	1,08	1,11	1,13	1,17	1,20	1,25	1,30	1,36	1,43	
		30	0,86	0,89	0,93	0,96	1,00	1,04	1,08	1,13	1,18	
SFV10B-B1-101 1,4 Hp Monophase	Capacity kW	60					2,16	2,51	2,89	3,27	3,65	-
		50	1,11	1,36	1,65	1,97	2,34	2,75	3,18	3,63	4,09	
		40	1,15	1,42	1,73	2,09	2,49	2,94	3,42	3,93	4,45	
		30	1,20	1,48	1,82	2,20	2,63	3,11	3,64	4,19	4,77	
SFV10B-A1-101 1,4 Hp Treephase	Watt kW	60					1,98	2,06	2,16	2,27	2,40	-
		50	1,48	1,50	1,53	1,57	1,62	1,68	1,75	1,83	1,93	
		40	1,15	1,17	1,20	1,24	1,28	1,32	1,38	1,44	1,52	
		30	0,91	0,95	0,98	1,02	1,06	1,10	1,15	1,20	1,25	
SFV12B-B1-101 1,7 Hp Monophase	Capacity kW	60					2,63	3,06	3,52	3,99	4,46	-
		50	1,35	1,66	2,01	2,41	2,86	3,35	3,88	4,43	4,99	
		40	1,41	1,73	2,11	2,55	3,04	3,59	4,17	4,79	5,43	
		30	1,46	1,81	2,22	2,69	3,21	3,80	4,44	5,12	5,82	
SFV12B-A1-101 1,7 Hp Treephase	Watt kW	60					2,31	2,40	2,52	2,65	2,80	-
		50	1,73	1,75	1,78	1,83	1,89	1,96	2,04	2,14	2,25	
		40	1,34	1,37	1,40	1,44	1,49	1,55	1,61	1,69	1,77	
		30	1,07	1,11	1,15	1,19	1,24	1,29	1,34	1,40	1,46	
SFV15B-B1-101 2 Hp Monophase	Capacity kW	60					3,03	3,53	4,06	4,60	5,14	-
		50	1,56	1,91	2,31	2,78	3,29	3,86	4,47	5,11	5,75	
		40	1,62	2,00	2,44	2,94	3,51	4,13	4,81	5,52	6,26	
		30	1,69	2,09	2,56	3,09	3,70	4,38	5,12	5,90	6,70	
	Watt kW	60					2,68	2,79	2,92	3,07	3,25	
		50	2,00	2,03	2,07	2,12	2,19	2,27	2,37	2,48	2,61	
		40	1,56	1,59	1,63	1,67	1,73	1,79	1,87	1,95	2,05	
		30	1,24	1,28	1,33	1,38	1,43	1,49	1,55	1,62	1,70	
SFV15B-A1-101 2 Hp Treephase	Capacity kW	60					3,03	3,53	4,06	4,60	5,14	-
		50	1,56	1,91	2,31	2,78	3,29	3,86	4,47	5,11	5,75	
		40	1,62	2,00	2,44	2,94	3,51	4,13	4,81	5,52	6,26	
		30	1,69	2,09	2,56	3,09	3,70	4,38	5,12	5,90	6,70	
	Watt kW	60					2,62	2,73	2,86	3,01	3,18	
		50	1,96	1,99	2,02	2,07	2,14	2,22	2,32	2,43	2,56	
		40	1,53	1,56	1,59	1,64	1,69	1,75	1,83	1,91	2,01	
		30	1,21	1,26	1,30	1,35	1,40	1,46	1,52	1,59	1,66	
SFV17B-B1-105 2,5 Hp Monophase	Capacity kW	60					3,60	4,18	4,81	5,45	6,09	-
		50	1,85	2,26	2,74	3,29	3,90	4,58	5,30	6,06	6,82	
		40	1,92	2,37	2,89	3,48	4,15	4,90	5,70	6,55	7,42	
		30	2,00	2,47	3,03	3,67	4,39	5,19	6,06	6,99	7,94	
	Watt kW	60					3,06	3,18	3,33	3,51	3,71	
		50	2,29	2,32	2,36	2,42	2,50	2,59	2,70	2,83	2,99	
		40	1,78	1,82	1,86	1,91	1,98	2,05	2,13	2,23	2,34	
		30	1,41	1,47	1,52	1,58	1,64	1,71	1,78	1,85	1,94	
SFV17B-A1-101 2,5 Hp Treephase	Capacity kW	60					3,60	4,18	4,81	5,45	6,09	-
		50	1,85	2,26	2,74	3,29	3,90	4,58	5,30	6,06	6,82	
		40	1,92	2,37	2,89	3,48	4,15	4,90	5,70	6,55	7,42	
		30	2,00	2,47	3,03	3,67	4,39	5,19	6,06	6,99	7,94	
	Watt kW	60					3,16	3,29	3,45	3,63	3,84	
		50	2,37	2,40	2,44	2,50	2,58	2,68	2,80	2,93	3,09	
		40	1,84	1,88	1,92	1,98	2,04	2,12	2,21	2,31	2,42	
		30	1,46	1,52	1,57	1,63	1,70	1,76	1,84	1,92	2,00	
SFV20B-B1-101 3 Hp Monophase	Capacity kW	60					4,21	4,90	5,64	6,39	7,13	-
		50	2,16	2,65	3,21	3,86	4,57	5,36	6,21	7,10	7,99	
		40	2,25	2,77	3,38	4,08	4,87	5,74	6,68	7,67	8,69	
		30	2,34	2,90	3,55	4,30	5,14	6,08	7,11	8,19	9,31	
	Watt kW	60					3,61	3,76	3,94	4,15	4,39	
		50	2,70	2,74	2,79	2,86	2,95	3,06	3,19	3,35	3,53	
		40	2,10	2,15	2,20	2,26	2,33	2,42	2,52	2,64	2,77	
		30	1,67	1,73	1,80	1,87	1,94	2,01	2,10	2,19	2,29	

Capacity a 18,3 °C de temperatura de retorno de aspiración y 0 °C de subenfriamiento.

Serie SFV

Capacity with R-448A

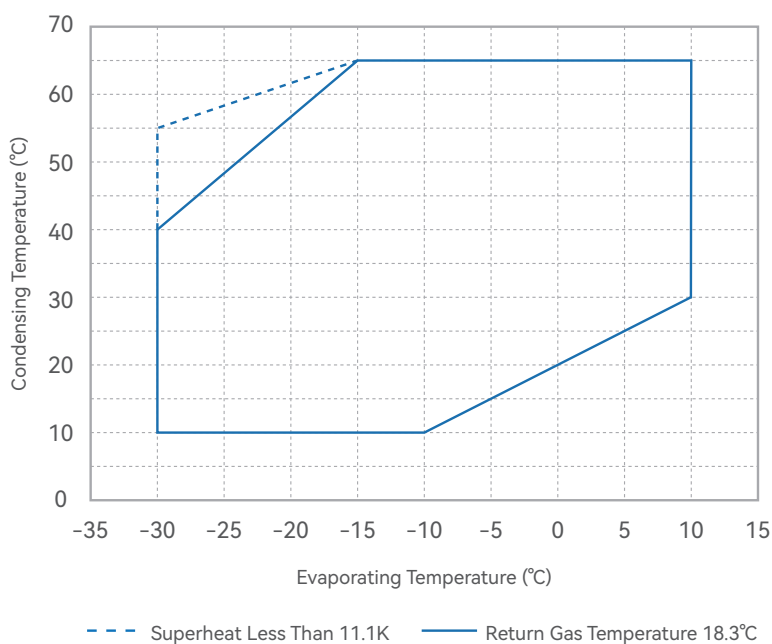
Model	kW	Temp. condensation (°C)	Temperature evaporation (°C)								Price €	
			-40	-35	-30	-25	-20	-15	-10	-5		0
SFV62B-A1-101 9 Hp Treephase	Capacity kW	60					12,73	14,82	17,03	19,31	21,56	-
		50	6,53	8,01	9,71	11,65	13,83	16,21	18,77	21,45	24,15	
		40	6,80	8,39	10,23	12,34	14,71	17,34	20,19	23,19	26,26	
	Watt kW	30	7,08	8,77	10,73	12,99	15,55	18,39	21,47	24,75	28,14	
		60					9,54	9,93	10,40	10,95	11,59	
		50	7,14	7,23	7,37	7,56	7,79	8,08	8,43	8,84	9,32	
SFV72B-A1-101 10 Hp Treephase	Capacity kW	60					14,79	17,22	19,79	22,43	25,05	-
		50	7,59	9,30	11,28	13,54	16,06	18,83	21,81	24,92	28,06	
		40	7,90	9,74	11,88	14,33	17,09	20,15	23,45	26,94	30,51	
	Watt kW	30	8,23	10,18	12,47	15,09	18,06	21,36	24,95	28,76	32,69	
		60					11,12	11,57	12,12	12,76	13,50	
		50	8,31	8,42	8,59	8,80	9,08	9,42	9,82	10,30	10,85	
SFV80B-A1-101 12 Hp Treephase	Capacity kW	60					16,85	19,62	22,55	25,56	28,53	-
		50	8,65	10,60	12,85	15,42	18,30	21,46	24,85	28,39	31,97	
		40	9,01	11,10	13,54	16,33	19,48	22,95	26,72	30,69	34,76	
	Watt kW	30	9,37	11,60	14,20	17,19	20,58	24,34	28,42	32,76	37,24	
		60					12,80	13,33	13,96	14,70	15,55	
		50	9,57	9,70	9,89	10,14	10,46	10,85	11,32	11,87	12,50	
SFV88B-A1-101 13 Hp Treephase	Capacity kW	60					18,07	21,03	24,17	27,40	30,59	-
		50	9,27	11,36	13,78	16,54	19,62	23,01	26,64	30,44	34,27	
		40	9,66	11,90	14,51	17,51	20,88	24,61	28,65	32,91	37,27	
	Watt kW	30	10,05	12,44	15,23	18,44	22,06	26,09	30,47	35,13	39,93	
		60					13,79	14,36	15,04	15,83	16,75	
		50	10,31	10,45	10,65	10,92	11,26	11,69	12,19	12,78	13,47	
SFV100B-A1-101 15 Hp Treephase	Capacity kW	60					20,60	23,98	27,56	31,24	34,87	-
		50	10,57	12,92	15,71	18,85	22,37	26,23	30,37	34,69	39,07	
		40	11,01	13,57	16,54	19,96	23,80	28,05	32,65	37,51	42,49	
	Watt kW	30	11,46	14,18	17,36	21,01	25,15	29,74	34,74	40,04	45,52	
		60					15,64	16,29	17,06	17,96	19,00	
		50	11,70	11,85	12,08	12,39	12,78	13,26	13,83	14,50	15,28	
SFV106B-A1-101 17 Hp Treephase	Capacity kW	60					23,03	26,81	30,81	34,93	38,99	-
		50	11,82	14,48	17,57	21,08	25,01	29,32	33,96	38,80	43,69	
		40	12,31	15,17	18,50	22,32	26,62	31,37	36,51	41,94	47,51	
	Watt kW	30	12,81	15,85	19,41	23,50	28,12	33,26	38,84	44,77	50,90	
		60					17,16	17,87	18,71	19,70	20,84	
		50	12,83	13,00	13,25	13,59	14,02	14,54	15,17	15,90	16,76	
	40	9,99	10,19	10,44	10,73	11,08	11,49	11,97	12,52	13,15		
	30	7,93	8,23	8,54	8,86	9,20	9,57	9,96	10,40	10,87		

Capacity a 18,3 °C de temperatura de retorno de aspiración y 0 °C de subenfriamiento.

Operating Envelop

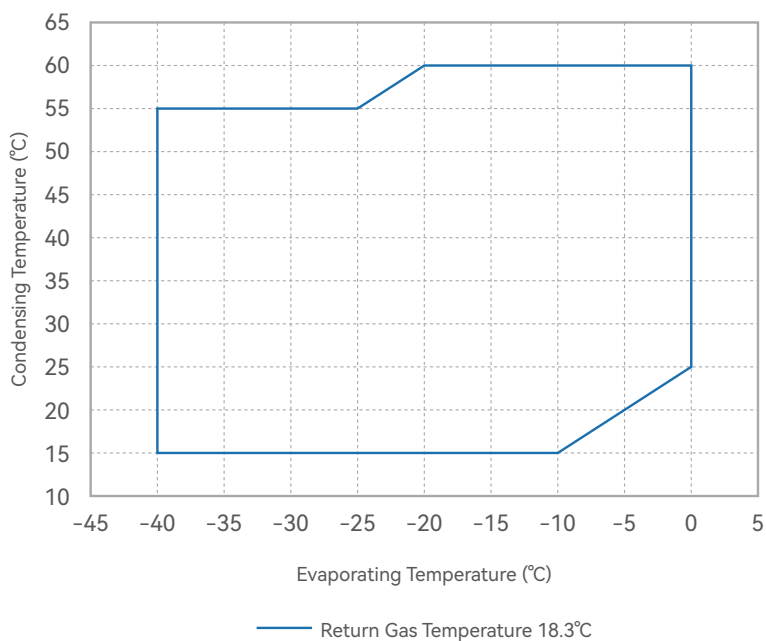
SR Series

R-448A



SFL/SFV Series

R-448A



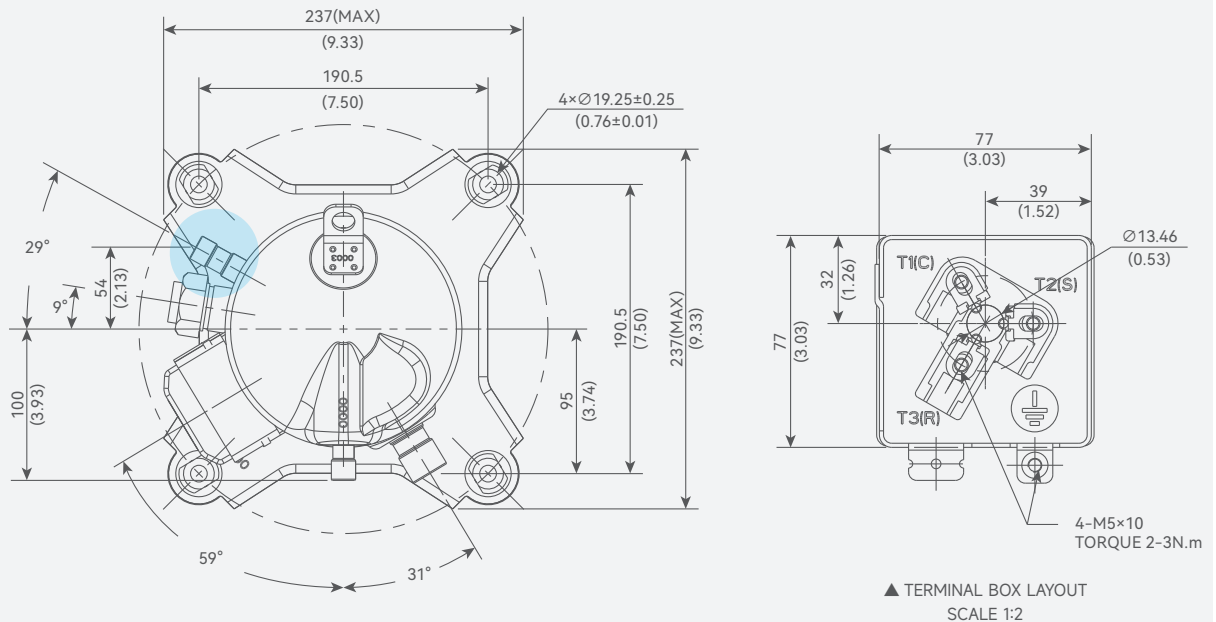
Dimensions Data

2-5 Hp

SR38-SR91
SFV15-SFV35

Medium temperature
Low temperature. Injection vapor

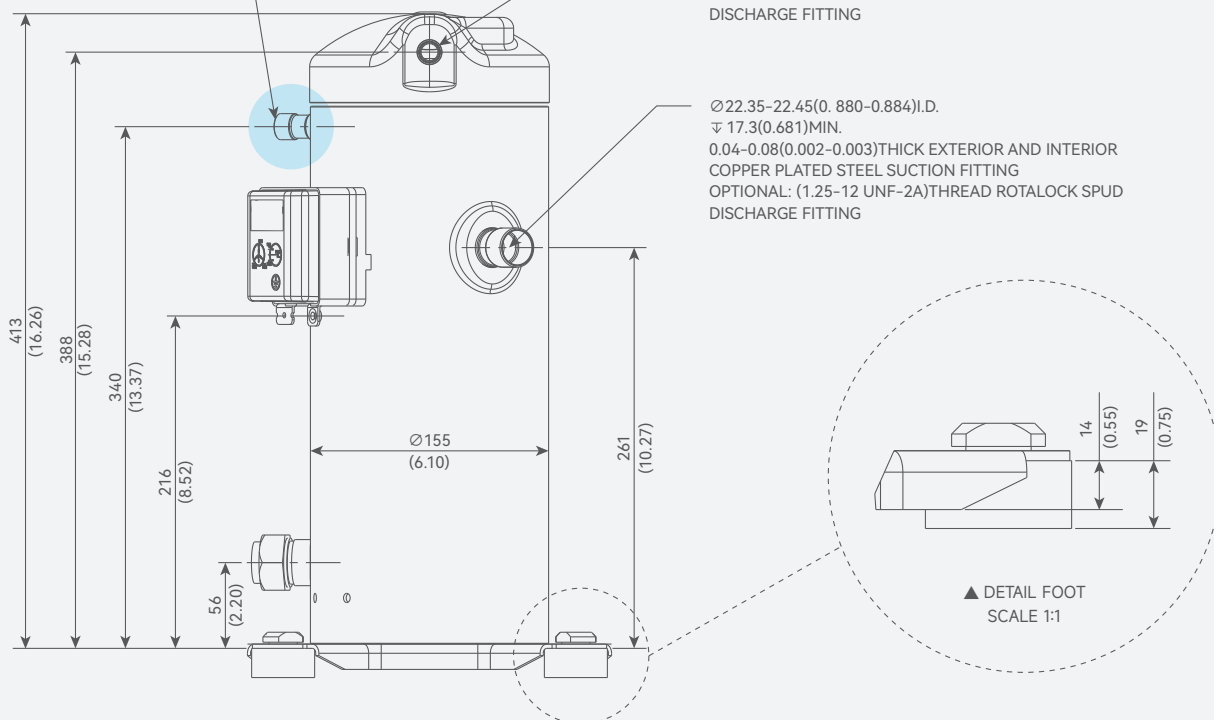
● VAPOR INJECTION FITTING FOR XFV PRODUCT LINE ONLY



$\varnothing 12.78-12.95(0.503-0.510)$ I.D.
 $\nabla 10.1(0.40)$ MIN.
0.04-0.08(0.002-0.003) THICK
EXTERIOR AND INTERIOR
COPPER PLATED STEEL
INJECTION FITTING

$\varnothing 12.78-12.95(0.503-0.510)$ I.D.
 $\nabla 10.1(0.40)$ MIN.
0.04-0.08(0.002-0.003) THICK EXTERIOR AND INTERIOR
COPPER PLATED STEEL DISCHARGE FITTING
OPTIONAL: (1.00-14 UNS-2A) THREAD ROTALOCK SPUD
DISCHARGE FITTING

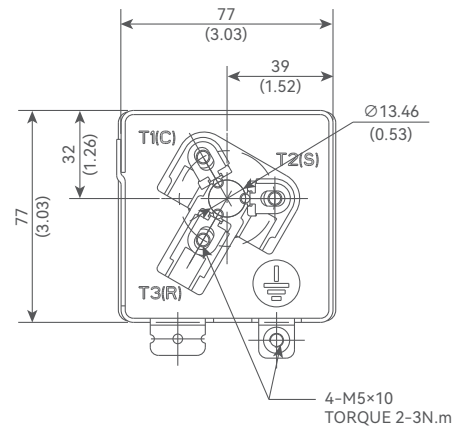
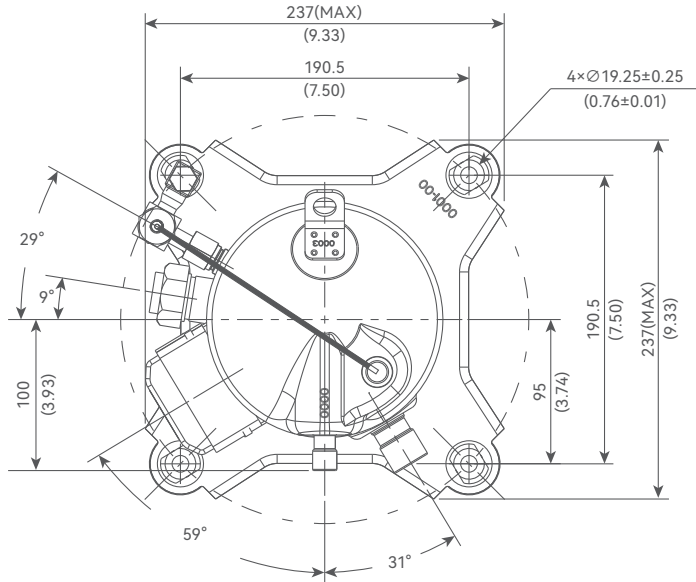
$\varnothing 22.35-22.45(0.880-0.884)$ I.D.
 $\nabla 17.3(0.681)$ MIN.
0.04-0.08(0.002-0.003) THICK EXTERIOR AND INTERIOR
COPPER PLATED STEEL SUCTION FITTING
OPTIONAL: (1.25-12 UNF-2A) THREAD ROTALOCK SPUD
DISCHARGE FITTING



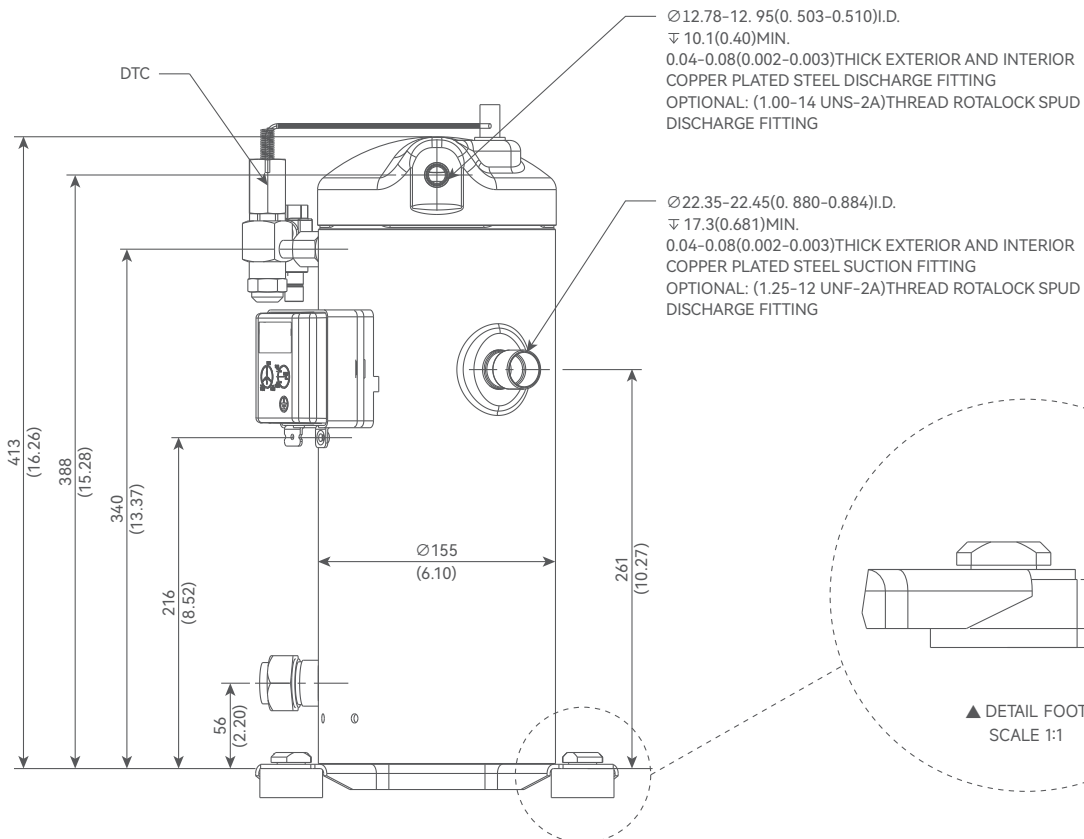
Dimensions Data

2-5 Hp

SFL15-SFL35 Low temperature. Injection liquid



▲ TERMINAL BOX LAYOUT
SCALE 1:2

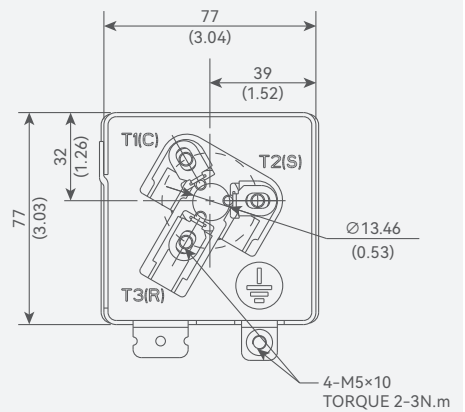
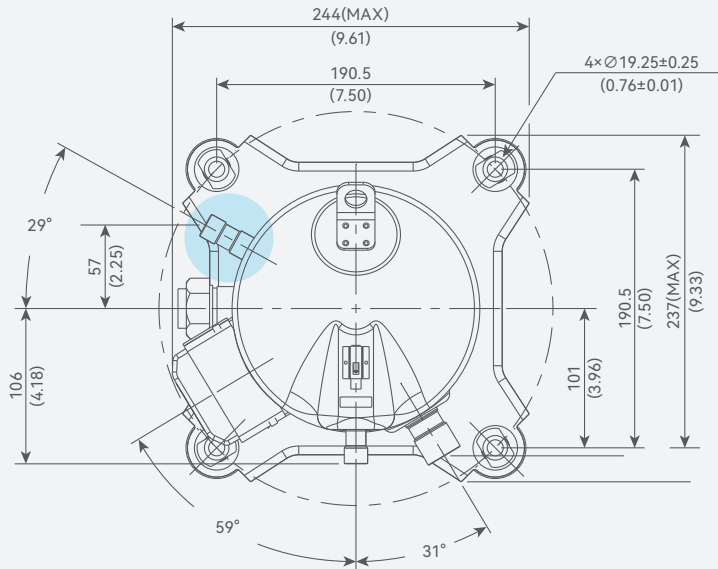


Dimensions Data

6-8 Hp

SR110-SR135 Medium temperature
SFV42-SFV51 Low temperature. Injection vapor

● VAPOR INJECTION FITTING FOR XFV PRODUCT LINE ONLY

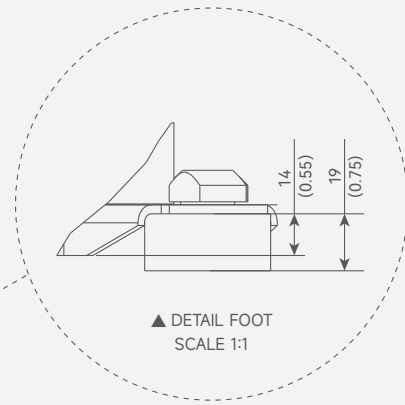
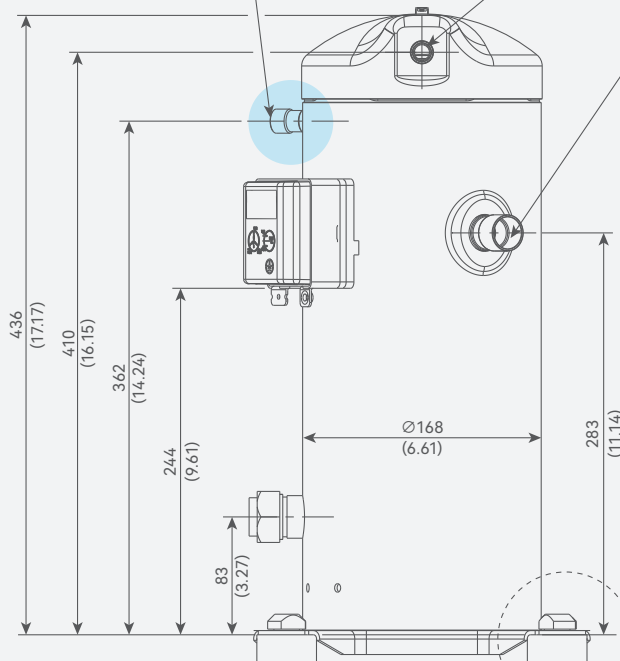


▲ TERMINAL BOX LAYOUT
SCALE 1:2

Ø12.78-12.95(0.503-0.510)I.D.
 ▽10.1(0.40)MIN.
 0.04-0.08(0.002-0.003) THICK
 EXTERIOR AND INTERIOR
 COPPER PLATED STEEL
 INJECTION FITTING

Ø12.78-12.95(0.503-0.510)I.D.
 ▽10.1(0.40)MIN.
 0.04-0.08(0.002-0.003)THICK EXTERIOR AND INTERIOR
 COPPER PLATED STEEL DISCHARGE FITTING
 OPTIONAL: (1.00-14 UNS-2A)THREAD ROTALOCK SPUD
 DISCHARGE FITTING

Ø22.35-22.45(0.880-0.884)I.D.
 ▽17.3(0.681)MIN.
 0.04-0.08(0.002-0.003)THICK EXTERIOR AND INTERIOR
 COPPER PLATED STEEL SUCTION FITTING
 OPTIONAL: (1.25-12 UNF-2A)THREAD ROTALOCK SPUD
 DISCHARGE FITTING

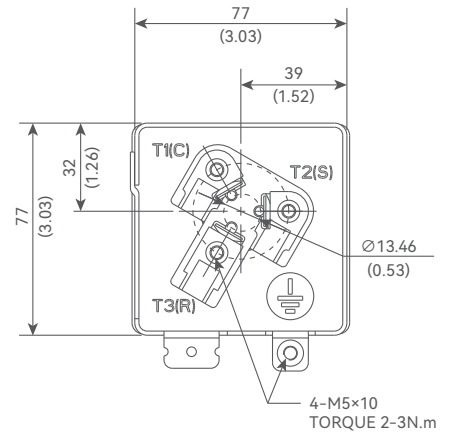
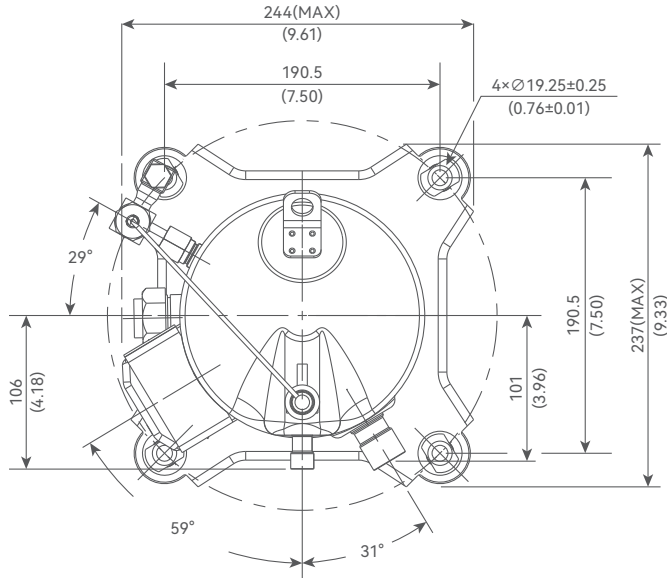


▲ DETAIL FOOT
SCALE 1:1

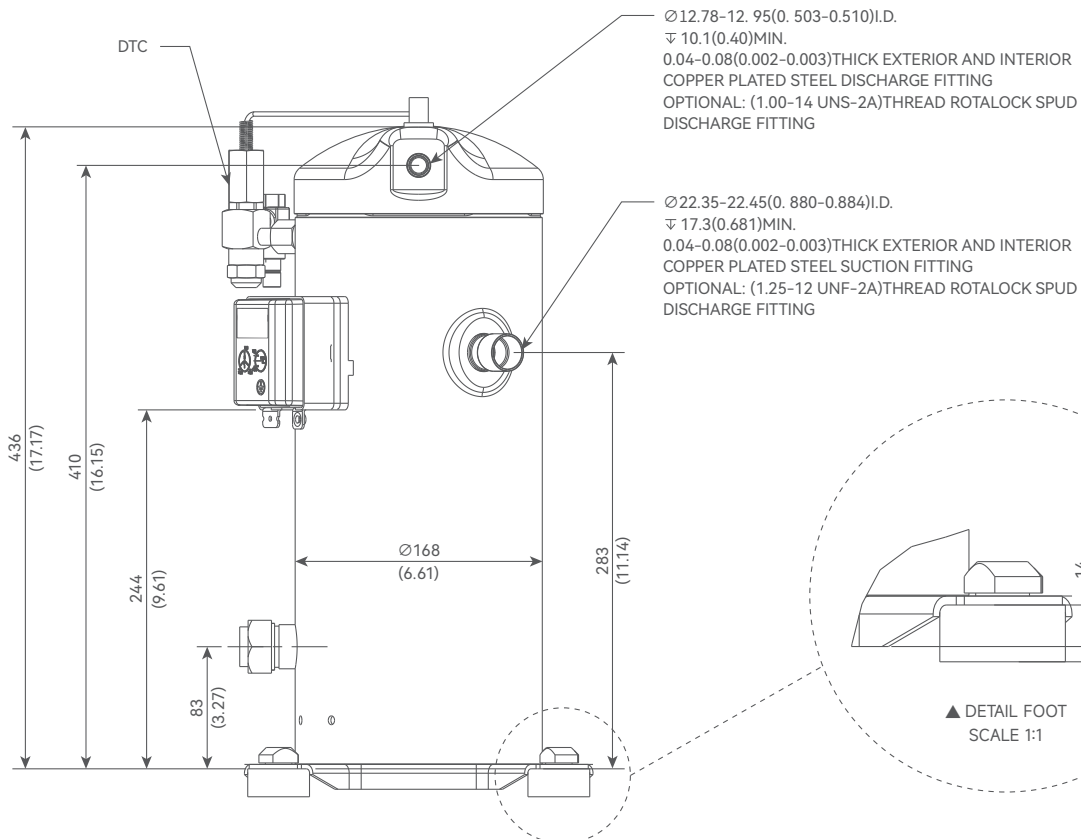
Dimensions Data

6-8 Hp

SFL42-SFL51 Low temperature. Injection liquid



▲ TERMINAL BOX LAYOUT
SCALE 1:2

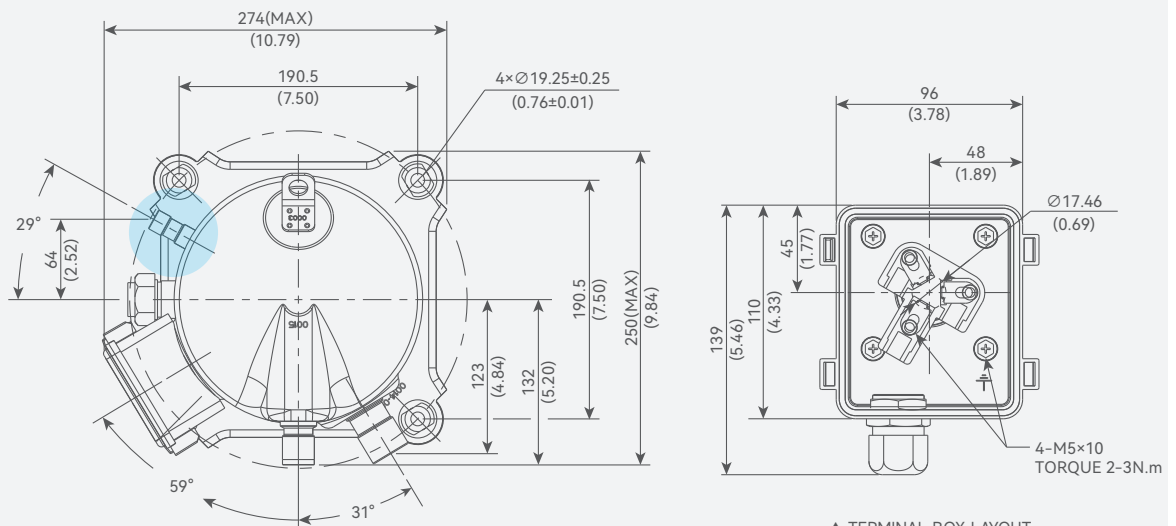


Dimensions Data

9-20 Hp

SR162-SR280 Medium temperature
SFV62-SFV106 Low temperature. Injection vapor

● VAPOR INJECTION FITTING FOR XFV PRODUCT LINE ONLY

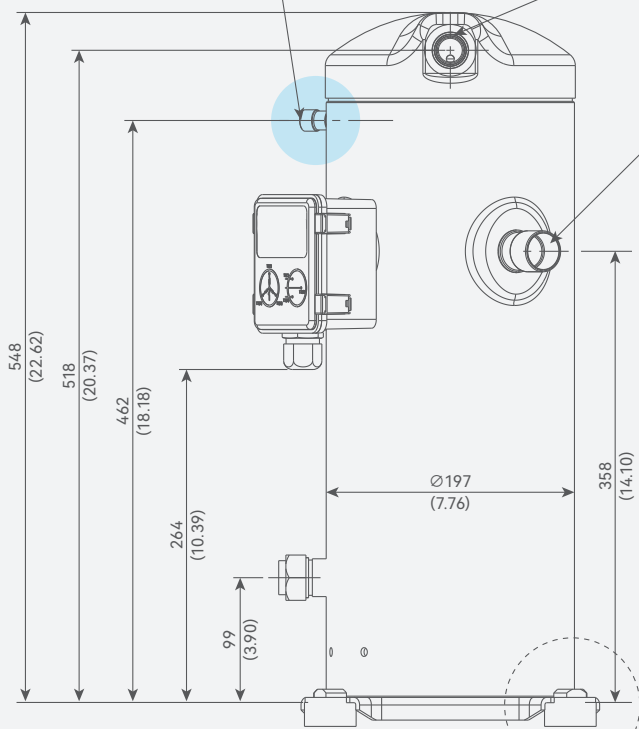


▲ TERMINAL BOX LAYOUT
SCALE 1:2

Ø12.78-12.95(0.503-0.510)I.D.
 ▽10.1(0.40)MIN.
 0.04-0.08(0.002-0.003) THICK
 EXTERIOR AND INTERIOR
 COPPER PLATED STEEL
 INJECTION FITTING

Ø22.35-22.45(0.880-0.884)I.D.
 ▽17.3(0.68)MIN.
 0.04-0.08(0.002-0.003)THICK EXTERIOR AND INTERIOR
 COPPER PLATED STEEL DISCHARGE FITTING
 OPTIONAL: (1.25-12 UNF-2A)THREAD ROTALOCK SPUD
 DISCHARGE FITTING

Ø28.83-28.93(1.135-1.139)I.D.
 ▽22.6(0.89)MIN.
 0.04-0.08(0.002-0.003)THICK EXTERIOR AND INTERIOR
 COPPER PLATED STEEL SUCTION FITTING
 OPTIONAL: (1.75-12 UN-2A)THREAD ROTALOCK SPUD
 DISCHARGE FITTING

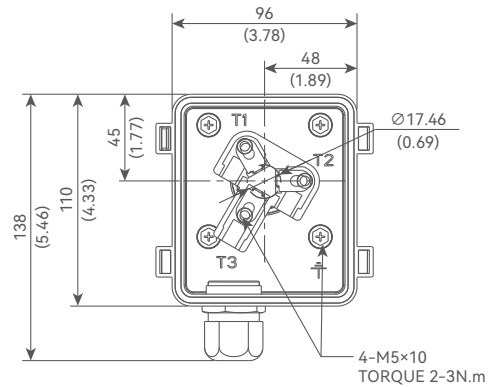
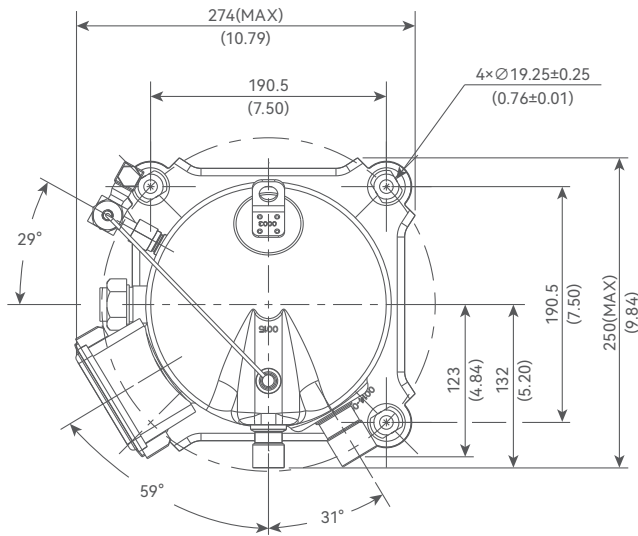


▲ DETAIL FOOT
SCALE 1:1

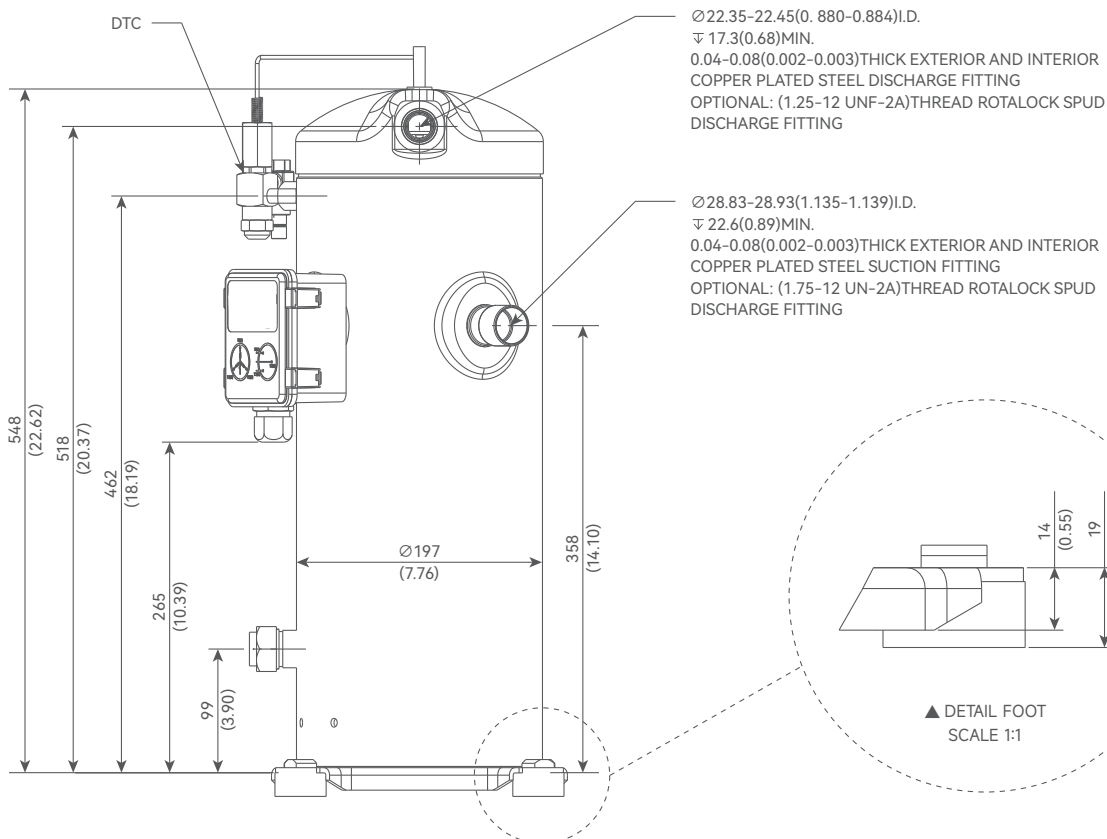
Dimensions Data

9-17 Hp

SFL62-SFL106 Low temperature. Injection liquid



▲ TERMINAL BOX LAYOUT
SCALE 1:2



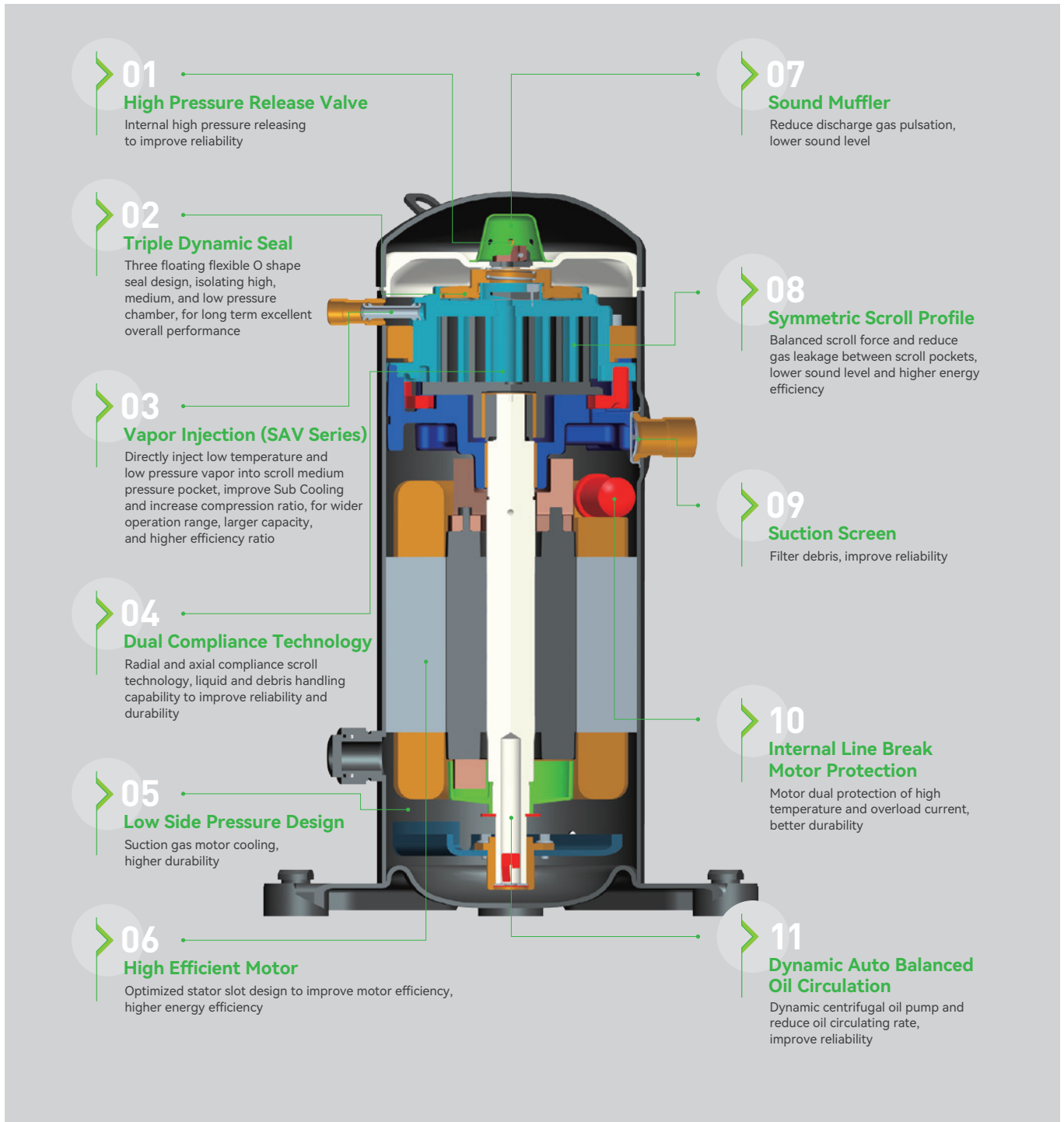
SA Series

Scroll Compressors
for Air Conditioning
applications



Prices: TO CONSULT

Product features



Nomenclature

SKADY	Application	Características	Capacidad Nominal	Refrigerant & Oil Code	Power Code 50 Hz	Motor Type	Configuration Code
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SAV350C-A 1-100

SKADY	A: Air Cond. H: High T.	N/A: Standard V: Vapor	50 Hz (XX×100W)	B: R-448A POE C: R-507A POE D: R-32 POE	A: 3-380/420V B: 1-220/240V		
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General Technical Data

R-407C

Prices: TO CONSULT

SA

Conditions: T. Evaporation 7,2°C. T. Condensation 54,4°C. Overheating 11,1K. Subcooling 8,3K.

Model ▶		SA49B-B1-100	SA61B-B1-100	SA76B-B1-100	SA90B-B1-100
Power Supply (V/Ph/Hz)		220V-240V/1Ph/50Hz	220V-240V/1Ph/50Hz	220V-240V/1Ph/50Hz	220V-240V/1Ph/50Hz
Nominal Capacity(Hp)		1,7	2	2,6	3
50 Hz Displacement (m³/h)		5,2	6,3	7,6	8,5
Refrigerant		R-407C	R-407C	R-407C	R-407C
Cooling Capacity (W)		4.981	6.120	7.313	8.730
Power input (W)		1.720	2.020	2.400	2.910
COP (W/W)		3,0	3,0	3,0	3,0
Rated Load Amps (A)		8,1	9,5	11,3	13,8
Lock Rotor Amps (A)		74	74	90	90
Max. Operating Current (A)		11,8	14,3	17,8	20,7
Crankcase Heater Power (W)		70	70	70	70
Connection Tube (mm/inch)	Discharge	12(1/2")	12(1/2")	12(1/2")	12(1/2")
	Suction	22(7/8")	22(7/8")	22(7/8")	22(7/8")
Dimensions (mm)	Length (L)	237	237	237	237
	Width (W)	237	237	237	237
	Height (H)	413	413	413	413
4 Foot Mounting Size (mm)		190,5×190,5(Ø8,5)	190,5×190,5(Ø8,5)	190,5×190,5(Ø8,5)	190,5×190,5(Ø8,5)
Oil Type		POE	POE	POE	POE
Initial Oil Charge Volume (L)		1,4	1,4	1,4	1,4
Refill Oil Charge Volume (L)		1,25	1,25	1,25	1,25
Max. Operating Pressure (MPa)	High	3,0	3,0	3,0	3,0
	Low	2,0	2,0	2,0	2,0
Weight (Kg)		27,0	27,5	27,5	28,0

Model ▶		SA105B-B1-100	SA120B-B1-100	SA49B-A1-100	SA61B-A1-100
Power Supply (V/Ph/Hz)		220V-240V/1Ph/50Hz	220V-240V/1Ph/50Hz	380V-420V/3Ph/50Hz 460V/3Ph/60Hz	380V-420V/3Ph/50Hz 460V/3Ph/60Hz
Nominal Capacity(Hp)		3,5	4	1,7	2
50 Hz Displacement (m³/h)		10,1	11,5	5,2	6,3
Refrigerant		R-407C	R-407C	R-407C	R-407C
Cooling Capacity (W)		10.500	11.900	4.981	6.120
Power input (W)		3.387	3.766	1.720	2.020
COP (W/W)		3,10	3,16	3,00	3,00
Rated Load Amps (A)		16,0	17,8	3,2	3,7
Lock Rotor Amps (A)		102	102	22	22
Max. Operating Current (A)		24,0	25,1	7,5	7,5
Crankcase Heater Power (W)		70	70	70	70
Connection Tube (mm/inch)	Discharge	12(1/2")	12(1/2")	12(1/2")	12(1/2")
	Suction	22(7/8")	22(7/8")	22(7/8")	22(7/8")
Dimensions (mm)	Length (L)	237	237	237	237
	Width (W)	237	237	237	237
	Height (H)	413	413	413	413
4 Foot Mounting Size (mm)		190,5×190,5(Ø8,5)	190,5×190,5(Ø8,5)	190,5×190,5(Ø8,5)	190,5×190,5(Ø8,5)
Oil Type		POE	POE	POE	POE
Initial Oil Charge Volume (L)		1,4	1,4	1,4	1,4
Refill Oil Charge Volume (L)		1,25	1,25	1,25	1,25
Max. Operating Pressure (MPa)	High	3,0	3,0	3,0	3,0
	Low	2,0	2,0	2,0	2,0
Weight (Kg)		28,6	28,6	24,5	24,5

SA

Conditions: T. Evaporation 7,2°C. T. Condensation 54,4°C. Overheating 11,1K. Subcooling 8,3K.

Model ▶		SA76B-A1-100	SA90B-A1-100	SA105B-A1-100	SA120B-A1-100
Power Supply (V/Ph/Hz)		380V-420V/3Ph/50Hz 460V/3Ph/60Hz	380V-420V/3Ph/50Hz 460V/3Ph/60Hz	380V-420V/3Ph/50Hz 460V/3Ph/60Hz	380V-420V/3Ph/50Hz 460V/3Ph/60Hz
Nominal Capacity(Hp)		2,6	3	3,5	4
50 Hz Displacement (m³/h)		7,6	8,5	10,1	11,5
Refrigerant		R-407C	R-407C	R-407C	R-407C
Cooling Capacity (W)		7.313	8.730	10.500	11.900
Power input (W)		2.400	2.771	3.323	3.742
COP (W/W)		3,0	3,15	3,16	3,18
Rated Load Amps (A)		4,4	5,1	6,1	6,9
Lock Rotor Amps (A)		41	41	41	61
Max. Operating Current (A)		7,5	7,9	9,5	10,1
Crankcase Heater Power (W)		70	70	70	70
Connection Tube (mm/inch)	Discharge	12(1/2")	12(1/2")	12(1/2")	12(1/2")
	Suction	22(7/8")	22(7/8")	22(7/8")	22(7/8")
Dimensions (mm)	Length (L)	237	237	237	237
	Width (W)	237	237	237	237
	Height (H)	413	413	413	413
4 Foot Mounting Size (mm)		190,5×190,5(Ø8,5)	190,5×190,5(Ø8,5)	190,5×190,5(Ø8,5)	190,5×190,5(Ø8,5)
Oil Type		POE	POE	POE	POE
Initial Oil Charge Volume (L)		1,4	1,4	1,4	1,4
Refill Oil Charge Volume (L)		1,25	1,25	1,25	1,25
Max. Operating Pressure (MPa)	High	3,0	3,0	3,0	3,0
	Low	2,0	2,0	2,0	2,0
Weight (Kg)		24,5	25,5	26,0	28,0

Model ▶		SA128B-A1-100	SA130B-A1-100	SA140B-A1-100	SA150B-A1-100
Power Supply (V/Ph/Hz)		380V-420V/3Ph/50Hz 460V/3Ph/60Hz	380V-420V/3Ph/50Hz 460V/3Ph/60Hz	380V-420V/3Ph/50Hz 460V/3Ph/60Hz	380V-420V/3Ph/50Hz 460V/3Ph/60Hz
Nominal Capacity(Hp)		4,3	4,5	4,7	5
50 Hz Displacement (m³/h)		12,3	12,8	13,1	14,4
Refrigerant		R-407C	R-407C	R-407C	R-407C
Cooling Capacity (W)		12.700	13.400	14.000	14.900
Power input (W)		4.006	4.227	4.416	4.700
COP (W/W)		3,17	3,17	3,17	3,17
Rated Load Amps (A)		7,4	7,8	8,1	8,7
Lock Rotor Amps (A)		61	61	61	61
Max. Operating Current (A)		11,2	12,4	12,9	13,4
Crankcase Heater Power (W)		70	70	70	70
Connection Tube (mm/inch)	Discharge	12(1/2")	12(1/2")	12(1/2")	12(1/2")
	Suction	22(7/8")	22(7/8")	22(7/8")	22(7/8")
Dimensions (mm)	Length (L)	237	237	237	237
	Width (W)	237	237	237	237
	Height (H)	413	413	413	413
4 Foot Mounting Size (mm)		190,5×190,5(Ø8,5)	190,5×190,5(Ø8,5)	190,5×190,5(Ø8,5)	190,5×190,5(Ø8,5)
Oil Type		POE	POE	POE	POE
Initial Oil Charge Volume (L)		1,4	1,4	1,4	1,4
Refill Oil Charge Volume (L)		1,25	1,25	1,25	1,25
Max. Operating Pressure (MPa)	High	3,0	3,0	3,0	3,0
	Low	2,0	2,0	2,0	2,0
Weight (Kg)		28,0	28,0	28,0	28,0

SA

Conditions: T. Evaporation 7,2°C. T. Condensation 54,4°C. Overheating 11,1K. Subcooling 8,3K.

Model ▶		SA180B-A1-100	SA200B-A1-100	SA235B-A1-100	SA268B-A1-100
Power Supply (V/Ph/Hz)		380V-420V/3Ph/50Hz 460V/3Ph/60Hz	380V-420V/3Ph/50Hz 460V/3Ph/60Hz	380V-420V/3Ph/50Hz 460V/3Ph/60Hz	380V-420V/3Ph/50Hz 460V/3Ph/60Hz
Nominal Capacity(Hp)		6	7	8	9
50 Hz Displacement (m³/h)		17,4	19,2	23,0	25,1
Refrigerant		R-407C	R-407C	R-407C	R-407C
Cooling Capacity (W)		18.000	19.920	23.885	26.040
Power input (W)		5.573	6.186	7.130	7.614
COP (W/W)		3,23	3,22	3,35	3,42
Rated Load Amps (A)		10,3	11,4	13,1	14,0
Lock Rotor Amps (A)		75	87	100	100
Max. Operating Current (A)		14,7	17,3	17,7	19,6
Crankcase Heater Power (W)		70	70	90	90
Connection Tube (mm/inch)	Discharge	12(1/2")	12(1/2")	22(7/8")	22(7/8")
	Suction	22(7/8")	22(7/8")	28(1-1/8")	28(1-1/8")
Dimensions (mm)	Length (L)	237	237	250	250
	Width (W)	244	244	274	274
	Height (H)	436	436	548	548
4 Foot Mounting Size (mm)		190,5×190,5(Ø8,5)	190,5×190,5(Ø8,5)	190,5×190,5(Ø8,5)	190,5×190,5(Ø8,5)
Oil Type		POE	POE	POE	POE
Initial Oil Charge Volume (L)		1,7	1,7	3,5	3,5
Refill Oil Charge Volume (L)		1,45	1,45	3	3
Max. Operating Pressure (MPa)	High	3,0	3,0	3,0	3,0
	Low	2,0	2,0	2,0	2,0
Weight (Kg)		33,7	35,3	53,0	54,5

Model ▶		SA310B-A1-100	SA350B-A1-100	SA380B-A1-100	SA430B-A1-100
Power Supply (V/Ph/Hz)		380V-420V/3Ph/50Hz 460V/3Ph/60Hz	380V-420V/3Ph/50Hz 460V/3Ph/60Hz	380V-420V/3Ph/50Hz 460V/3Ph/60Hz	380V-420V/3Ph/50Hz 460V/3Ph/60Hz
Nominal Capacity(Hp)		10	12	13	15
50 Hz Displacement (m³/h)		29,7	33,5	36,8	41,3
Refrigerant		R-407C	R-407C	R-407C	R-407C
Cooling Capacity (W)		30.650	34.700	37.900	42.800
Power input (W)		8.962	10.117	11.485	13.049
COP (W/W)		3,42	3,43	3,30	3,28
Rated Load Amps (A)		16,5	18,6	21,2	24,0
Lock Rotor Amps (A)		114	129	148,5	148,5
Max. Operating Current (A)		22,5	25,3	28,6	31,9
Crankcase Heater Power (W)		90	90	90	90
Connection Tube (mm/inch)	Discharge	22(7/8")	22(7/8")	22(7/8")	22(7/8")
	Suction	28(1-1/8")	28(1-1/8")	28(1-1/8")	28(1-1/8")
Dimensions (mm)	Length (L)	250	250	250	250
	Width (W)	274	274	274	274
	Height (H)	548	548	548	548
4 Foot Mounting Size (mm)		190,5×190,5(Ø8,5)	190,5×190,5(Ø8,5)	190,5×190,5(Ø8,5)	190,5×190,5(Ø8,5)
Oil Type		POE	POE	POE	POE
Initial Oil Charge Volume (L)		3,5	3,5	3,5	3,5
Refill Oil Charge Volume (L)		3	3	3	3
Max. Operating Pressure (MPa)	High	3,0	3,0	3,0	3,0
	Low	2,0	2,0	2,0	2,0
Weight (Kg)		55,8	56,8	58,5	59,0

SA

Conditions: T. Evaporation 7,2°C. T. Condensation 54,4°C. Overheating 11,1K. Subcooling 8,3K.

Model ▶		SA49C-B1-100	SA61C-B1-100	SA76C-B1-100	SA90C-B1-100
Power Supply (V/Ph/Hz)		220V-240V/1Ph/50Hz	220V-240V/1Ph/50Hz	220V-240V/1Ph/50Hz	220V-240V/1Ph/50Hz
Nominal Capacity(Hp)		1,7	2	2,6	3
50 Hz Displacement (m³/h)		3,7	4,3	5,3	6,1
Refrigerant		R-410A	R-410A	R-410A	R-410A
Cooling Capacity (W)		5.425	6.087	7.360	9.050
Power input (W)		2.072	2.292	2.755	3.050
COP (W/W)		2,62	2,66	2,67	2,97
Rated Load Amps (A)		9,8	10,8	13,0	14,4
Lock Rotor Amps (A)		74	74	90	90
Max. Operating Current (A)		14,3	16,2	20,5	21,7
Crankcase Heater Power (W)		70	70	70	70
Connection Tube (mm/inch)	Discharge	12(1/2")	12(1/2")	12(1/2")	12(1/2")
	Suction	22(7/8")	22(7/8")	22(7/8")	22(7/8")
Dimensions (mm)	Length (L)	237	237	237	237
	Width (W)	237	237	237	237
	Height (H)	413	413	413	413
4 Foot Mounting Size (mm)		190,5×190,5(Ø8,5)	190,5×190,5(Ø8,5)	190,5×190,5(Ø8,5)	190,5×190,5(Ø8,5)
Oil Type		POE	POE	POE	POE
Initial Oil Charge Volume (L)		1,4	1,4	1,4	1,4
Refill Oil Charge Volume (L)		1,25	1,25	1,25	1,25
Max. Operating Pressure (MPa)	High	4,3	4,3	4,3	4,3
	Low	2,0	2,0	2,0	2,0
Weight (Kg)		27,0	27,5	27,5	28,0

Model ▶		SA105C-B1-100	SA120C-B1-100	SA49C-A1-100	SA61C-A1-100
Power Supply (V/Ph/Hz)		220V-240V/1Ph/50Hz	220V-240V/1Ph/50Hz	380V-420V/3Ph/50Hz 460V/3Ph/60Hz	380V-420V/3Ph/50Hz 460V/3Ph/60Hz
Nominal Capacity(Hp)		3,5	4	1,7	2
50 Hz Displacement (m³/h)		7,0	8,1	3,7	4,3
Refrigerant		R-410A	R-410A	R-410A	R-410A
Cooling Capacity (W)		10.500	12.000	5.425	6.087
Power input (W)		3.488	3.950	2.072	2.292
COP (W/W)		3,01	3,04	2,62	2,66
Rated Load Amps (A)		16,5	18,7	3,8	4,2
Lock Rotor Amps (A)		102	102	22	22
Max. Operating Current (A)		24,7	26,3	5,2	6,1
Crankcase Heater Power (W)		70	70	70	70
Connection Tube (mm/inch)	Discharge	12(1/2")	12(1/2")	12(1/2")	12(1/2")
	Suction	22(7/8")	22(7/8")	22(7/8")	22(7/8")
Dimensions (mm)	Length (L)	237	237	237	237
	Width (W)	237	237	237	237
	Height (H)	413	413	413	413
4 Foot Mounting Size (mm)		190,5×190,5(Ø8,5)	190,5×190,5(Ø8,5)	190,5×190,5(Ø8,5)	190,5×190,5(Ø8,5)
Oil Type		POE	POE	POE	POE
Initial Oil Charge Volume (L)		1,4	1,4	1,4	1,4
Refill Oil Charge Volume (L)		1,25	1,25	1,25	1,25
Max. Operating Pressure (MPa)	High	4,3	4,3	4,3	4,3
	Low	2,0	2,0	2,0	2,0
Weight (Kg)		28,6	28,6	24,0	24,5

SA

Conditions: T. Evaporation 7,2°C. T. Condensation 54,4°C. Overheating 11,1K. Subcooling 8,3K.

Model ▶		SA76C-A1-100	SA90C-A1-100	SA105C-A1-100	SA120C-A1-100
Power Supply (V/Ph/Hz)		380V-420V/3Ph/50Hz 460V/3Ph/60Hz	380V-420V/3Ph/50Hz 460V/3Ph/60Hz	380V-420V/3Ph/50Hz 460V/3Ph/60Hz	380V-420V/3Ph/50Hz 460V/3Ph/60Hz
Nominal Capacity(Hp)		2,6	3	3,5	4
50 Hz Displacement (m³/h)		5,3	6,1	7,0	8,1
Refrigerant		R-410A	R-410A	R-410A	R-410A
Cooling Capacity (W)		7.360	9.050	10.500	12.000
Power input (W)		2.755	3.000	3.458	3.923
COP (W/W)		2,67	3,02	3,04	3,06
Rated Load Amps (A)		5,1	5,5	6,4	7,2
Lock Rotor Amps (A)		41	41	41	61
Max. Operating Current (A)		7,5	8,6	9,9	10,6
Crankcase Heater Power (W)		70	70	70	70
Connection Tube (mm/inch)	Discharge	12(1/2")	12(1/2")	12(1/2")	12(1/2")
	Suction	22(7/8")	22(7/8")	22(7/8")	22(7/8")
Dimensions (mm)	Length (L)	237	237	237	237
	Width (W)	237	237	237	237
	Height (H)	413	413	413	413
4 Foot Mounting Size (mm)		190,5×190,5(Ø8,5)	190,5×190,5(Ø8,5)	190,5×190,5(Ø8,5)	190,5×190,5(Ø8,5)
Oil Type		POE	POE	POE	POE
Initial Oil Charge Volume (L)		1,4	1,4	1,4	1,4
Refill Oil Charge Volume (L)		1,25	1,25	1,25	1,25
Max. Operating Pressure (MPa)	High	4,3	4,3	4,3	4,3
	Low	2,0	2,0	2,0	2,0
Weight (Kg)		24,5	25,5	26,0	28,0

Model ▶		SA128C-A1-100	SA130C-A1-100	SA140C-A1-100	SA150C-A1-100
Power Supply (V/Ph/Hz)		380V-420V/3Ph/50Hz 460V/3Ph/60Hz	380V-420V/3Ph/50Hz 460V/3Ph/60Hz	380V-420V/3Ph/50Hz 460V/3Ph/60Hz	380V-420V/3Ph/50Hz 460V/3Ph/60Hz
Nominal Capacity(Hp)		4,3	4,5	4,7	5
50 Hz Displacement (m³/h)		8,4	8,8	9,5	10,1
Refrigerant		R-410A	R-410A	R-410A	R-410A
Cooling Capacity (W)		12.800	13.100	14.200	15.090
Power input (W)		4.157	4.260	4.600	4.890
COP (W/W)		3,08	3,08	3,09	3,09
Rated Load Amps (A)		7,7	7,8	8,5	9,0
Lock Rotor Amps (A)		61	61	61	61
Max. Operating Current (A)		11,6	12,5	13,4	13,9
Crankcase Heater Power (W)		70	70	70	70
Connection Tube (mm/inch)	Discharge	12(1/2")	12(1/2")	12(1/2")	12(1/2")
	Suction	22(7/8")	22(7/8")	22(7/8")	22(7/8")
Dimensions (mm)	Length (L)	237	237	237	237
	Width (W)	237	237	237	237
	Height (H)	413	413	413	413
4 Foot Mounting Size (mm)		190,5×190,5(Ø8,5)	190,5×190,5(Ø8,5)	190,5×190,5(Ø8,5)	190,5×190,5(Ø8,5)
Oil Type		POE	POE	POE	POE
Initial Oil Charge Volume (L)		1,4	1,4	1,4	1,4
Refill Oil Charge Volume (L)		1,25	1,25	1,25	1,25
Max. Operating Pressure (MPa)	High	4,3	4,3	4,3	4,3
	Low	2,0	2,0	2,0	2,0
Weight (Kg)		28,0	28,0	28,0	28,0

SA

Conditions: T. Evaporation 7,2°C. T. Condensation 54,4°C. Overheating 11,1K. Subcooling 8,3K.

Model ▶		SA180C-A1-100	SA200C-A1-100	SA235C-A1-100	SA268C-A1-100
Power Supply (V/Ph/Hz)		380V-420V/3Ph/50Hz 460V/3Ph/60Hz	380V-420V/3Ph/50Hz 460V/3Ph/60Hz	380V-420V/3Ph/50Hz 460V/3Ph/60Hz	380V-420V/3Ph/50Hz 460V/3Ph/60Hz
Nominal Capacity(Hp)		6	7	8	9
50 Hz Displacement (m³/h)		12,0	13,0	15,6	17,9
Refrigerant		R-410A	R-410A	R-410A	R-410A
Cooling Capacity (W)		18.090	20.000	24.000	27.500
Power input (W)		5.800	6.300	7.500	8.500
COP (W/W)		3,12	3,17	3,20	3,24
Rated Load Amps (A)		10,7	11,6	13,8	15,7
Lock Rotor Amps (A)		75	87	100	100
Max. Operating Current (A)		15,3	17,7	18,6	21,9
Crankcase Heater Power (W)		70	70	90	90
Connection Tube (mm/inch)	Discharge	12(1/2")	12(1/2")	22(7/8")	22(7/8")
	Suction	22(7/8")	22(7/8")	28(1-1/8")	28(1-1/8")
Dimensions (mm)	Length (L)	237	237	250	250
	Width (W)	244	244	274	274
	Height (H)	436	436	548	548
4 Foot Mounting Size (mm)		190,5×190,5(Ø8,5)	190,5×190,5(Ø8,5)	190,5×190,5(Ø8,5)	190,5×190,5(Ø8,5)
Oil Type		POE	POE	POE	POE
Initial Oil Charge Volume (L)		1,7	1,7	3,5	3,5
Refill Oil Charge Volume (L)		1,45	1,45	3	3
Max. Operating Pressure (MPa)	High	4,3	4,3	4,3	4,3
	Low	2,0	2,0	2,0	2,0
Weight (Kg)		33,7	35,3	53,0	54,5

Model ▶		SA310C-A1-100	SA350C-A1-100	SA380C-A1-100	SA430C-A1-100
Power Supply (V/Ph/Hz)		380V-420V/3Ph/50Hz 460V/3Ph/60Hz	380V-420V/3Ph/50Hz 460V/3Ph/60Hz	380V-420V/3Ph/50Hz 460V/3Ph/60Hz	380V-420V/3Ph/50Hz 460V/3Ph/60Hz
Nominal Capacity(Hp)		10	12	13	15
50 Hz Displacement (m³/h)		20,5	23,0	25,0	29,7
Refrigerant		R-410A	R-410A	R-410A	R-410A
Cooling Capacity (W)		31.500	35.500	38.600	45.600
Power input (W)		9.736	10.760	11.916	13.890
COP (W/W)		3,24	3,30	3,24	3,28
Rated Load Amps (A)		17,9	19,8	21,9	25,6
Lock Rotor Amps (A)		114	129	148,5	148,5
Max. Operating Current (A)		24,4	27,0	29,7	34,0
Crankcase Heater Power (W)		90	90	90	90
Connection Tube (mm/inch)	Discharge	22(7/8")	22(7/8")	22(7/8")	22(7/8")
	Suction	28(1-1/8")	28(1-1/8")	28(1-1/8")	28(1-1/8")
Dimensions (mm)	Length (L)	250	250	250	250
	Width (W)	274	274	274	274
	Height (H)	548	548	548	548
4 Foot Mounting Size (mm)		190,5×190,5(Ø8,5)	190,5×190,5(Ø8,5)	190,5×190,5(Ø8,5)	190,5×190,5(Ø8,5)
Oil Type		POE	POE	POE	POE
Initial Oil Charge Volume (L)		3,5	3,5	3,5	3,5
Refill Oil Charge Volume (L)		3	3	3	3
Max. Operating Pressure (MPa)	High	4,3	4,3	4,3	4,3
	Low	2,0	2,0	2,0	2,0
Weight (Kg)		55,8	56,8	58,5	59,0

SAV

Conditions: T. Evaporation 7,2°C. T. Condensation 54,4°C. Overheating 11,1K. Subcooling 8,3K.

Model ▶		SAV350C-A1-100	SAV430C-A1-100
Power Supply (V/Ph/Hz)		380V-420V/3Ph/50Hz 460V/3Ph/60Hz	380V-420V/3Ph/50Hz 460V/3Ph/60Hz
Nominal Capacity(Hp)		12	15
50 Hz Displacement (m³/h)		23,0	29,7
Refrigerant		R-410A	R-410A
Cooling Capacity (W)		35.500	45.600
Power input (W)		10.770	13.900
COP (W/W)		3,30	3,28
Rated Load Amps (A)		19,8	25,6
Lock Rotor Amps (A)		129	148,5
Max. Operating Current (A)		29,7	34,0
Crankcase Heater Power (W)		90	90
Connection Tube (mm/inch)	Discharge	22(7/8")	22(7/8")
	Suction	28(1-1/8")	28(1-1/8")
Dimensions (mm)	Length (L)	250	250
	Width (W)	274	274
	Height (H)	548	548
4 Foot Mounting Size (mm)		190,5×190,5(Ø8,5)	190,5×190,5(Ø8,5)
Oil Type		POE	POE
Initial Oil Charge Volume (L)		3,5	3,5
Refill Oil Charge Volume (L)		3	3
Max. Operating Pressure (MPa)	High	4,3	4,3
	Lo	2,0	2,0
Weight (Kg)		56,8	59,0

SH

Conditions: T. Evaporation 7,2°C. T. Condensation 54,4°C. Overheating 11,1K. Subcooling 8,3K.

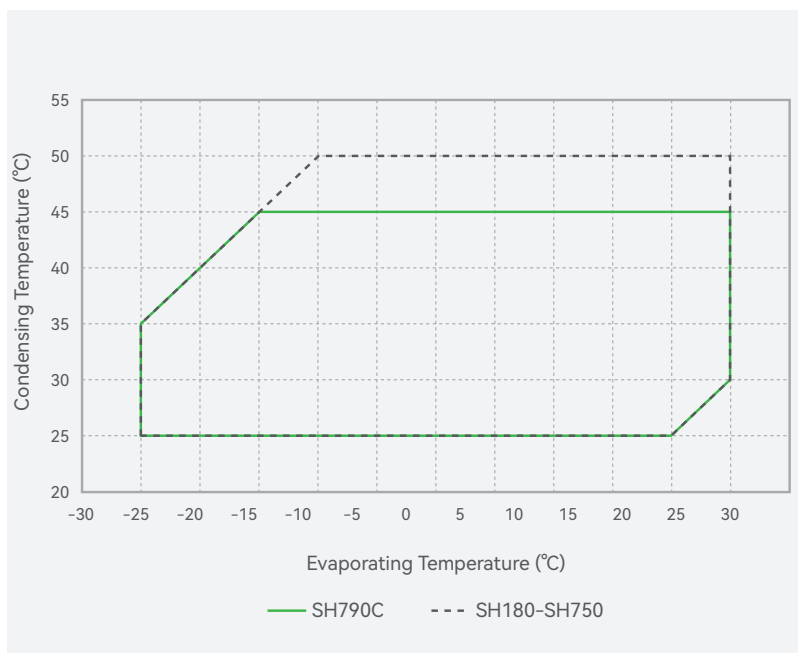
Model ▶		SH180C-A1-100	SH218C-A1-100	SH238C-A1-100	SH258C-A1-100	SH350C-A1-100
Power Supply (V/Ph/Hz)		80V-420V/3Ph/50Hz 460V/3Ph/60Hz	380V-420V/3Ph/50Hz 460V/3Ph/60Hz	380V-420V/3Ph/50Hz 460V/3Ph/60Hz	380V-420V/3Ph/50Hz 460V/3Ph/60Hz	380V-420V/3Ph/50Hz 460V/3Ph/60Hz
Nominal Capacity(Hp)		5	6	7	8	10
50 Hz Displacement (m³/h)		10,9	11,9	13,1	14,2	18,7
Refrigerant		R-410A	R-410A	R-410A	R-410A	R-410A
Cooling Capacity (W)		18.860	22.450	24.350	29.300	34.500
Power input (W)		4.100	4.870	5.237	6.301	7.500
COP (W/W)		4,60	4,61	4,65	4,65	4,60
Rated Load Amps (A)		7,3	8,0	9,6	10,3	13,8
Lock Rotor Amps (A)		41	41	61	61	75
Max. Operating Current (A)		8,4	9,2	11,0	11,8	17,6
Crankcase Heater Power (W)		70	70	70	70	70
Connection Tube (mm/inch)	Discharge	12(1/2")	12(1/2")	12(1/2")	12(1/2")	12(1/2")
	Suction	22(7/8")	22(7/8")	22(7/8")	22(7/8")	22(7/8")
Dimensions (mm)	Length (L)	237	237	237	237	237
	Width (W)	237	237	237	237	237
	Height (H)	413	413	413	413	436
4 Foot Mounting Size (mm)		190,5×190,5(Ø8,5)	190,5×190,5(Ø8,5)	190,5×190,5(Ø8,5)	190,5×190,5(Ø8,5)	190,5×190,5(Ø8,5)
Oil Type		POE	POE	POE	POE	POE
Initial Oil Charge Volume (L)		1,4	1,4	1,4	1,4	1,7
Refill Oil Charge Volume (L)		1,25	1,25	1,25	1,25	1,45
Max. Operating Pressure (MPa)	High	4,3	4,3	4,3	4,3	4,3
	Low	2,0	2,0	2,0	2,0	2,0
Weight (Kg)		26,0	26,0	28,0	28,0	34,0

Model ▶		SH380C-A1-100	SH530C-A1-100	SH750C-A1-100	SH790C-A1-100
Power Supply (V/Ph/Hz)		380V-420V/3Ph/50Hz 460V/3Ph/60Hz	380V-420V/3Ph/50Hz 460V/3Ph/60Hz	380V-420V/3Ph/50Hz 460V/3Ph/60Hz	380V-420V/3Ph/50Hz 460V/3Ph/60Hz
Nominal Capacity(Hp)		12	15	20	25
50 Hz Displacement (m³/h)		21,0	30,3	42,2	45,0
Refrigerant		R-410A	R-410A	R-410A	R-410A
Cooling Capacity (W)		38.500	54.449	75.646	79.500
Power input (W)		8.333	11.738	15.982	17.746
COP (W/W)		4,62	4,64	4,73	4,48
Rated Load Amps (A)		15,3	22,0	28,6	31,5
Lock Rotor Amps (A)		87	148,5	148,5	148,5
Max. Operating Current (A)		19,5	22,9	31,0	34,0
Crankcase Heater Power (W)		70	90	90	90
Connection Tube (mm/inch)	Discharge	12(1/2")	22(7/8")	22(7/8")	22(7/8")
	Suction	22(7/8")	28(1-1/8")	28(1-1/8")	28(1-1/8")
Dimensions (mm)	Length (L)	237	250	250	250
	Width (W)	244	274	274	274
	Height (H)	436	548	548	548
4 Foot Mounting Size (mm)		190,5×190,5(Ø8,5)	190,5×190,5(Ø8,5)	190,5×190,5(Ø8,5)	190,5×190,5(Ø8,5)
Oil Type		POE	POE	POE	POE
Initial Oil Charge Volume (L)		1,7	3,5	3,5	3,5
Refill Oil Charge Volume (L)		1,45	3	3	3
Max. Operating Pressure (MPa)	High	4,3	4,3	4,3	4,3
	Low	2,0	2,0	2,0	2,0
Weight (Kg)		35,5	59,0	59,0	59,3

Operating Envelop

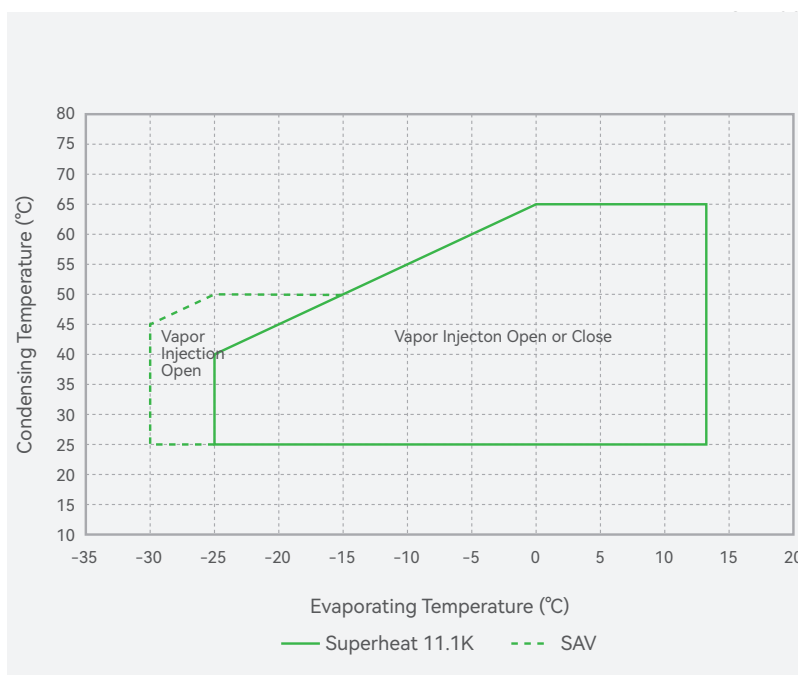
SH Series

R-410A



SA/SAV Series

R-407C/R-410A



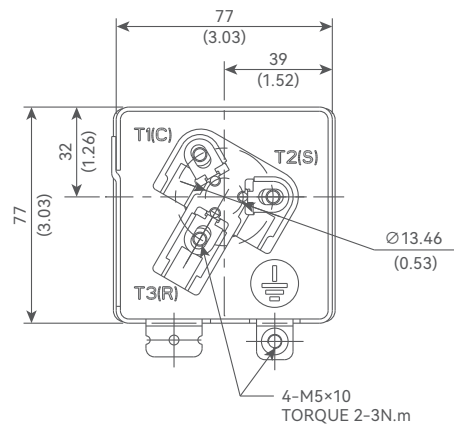
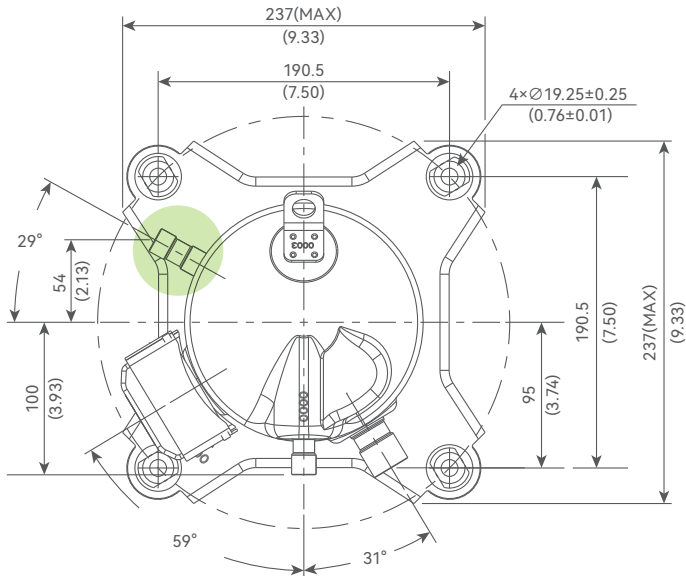
Dimensions Data

**1.7-5 Hp
AC
SA49-XA150**

**2-5.4 Hp
AC
SA61D-SA160D**

**5-8 Hp
High Temp. AC
SH180A; SH180C-SH258C**

● ACCESORIO DE INYECCIÓN DE VAPOR SOLO SERIE SAV

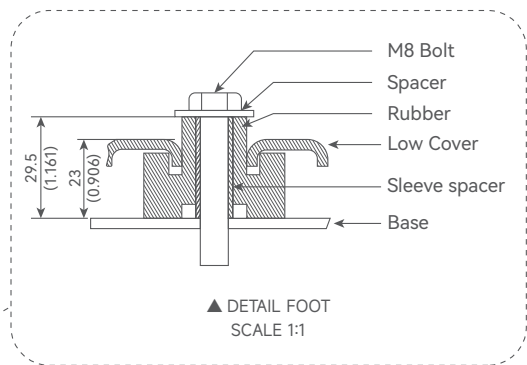
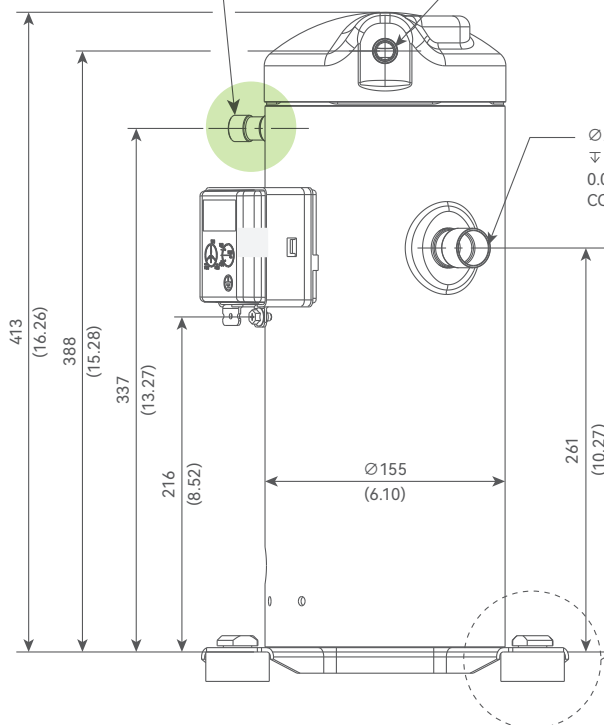


▲ TERMINAL BOX LAYOUT
SCALE 1:2

Ø12.78-12.95(0.503-0.510)I.D.
±10.1(0.40)MIN.
0.04-0.08(0.002-0.003) THICK
EXTERIOR AND INTERIOR
COPPER PLATED STEEL
INJECTION FITTING

Ø12.78-12.95(0.503-0.510)I.D.
±10.1(0.40)MIN.
0.04-0.08(0.002-0.003) THICK EXTERIOR AND INTERIOR
COPPER PLATED STEEL DISCHARGE FITTING

Ø22.35-22.45(0.880-0.884)I.D.
±17.3(0.681)MIN.
0.04-0.08(0.002-0.003) THICK EXTERIOR AND INTERIOR
COPPER PLATED STEEL SUCTION FITTING



▲ DETAIL FOOT
SCALE 1:1

Dimensions Data

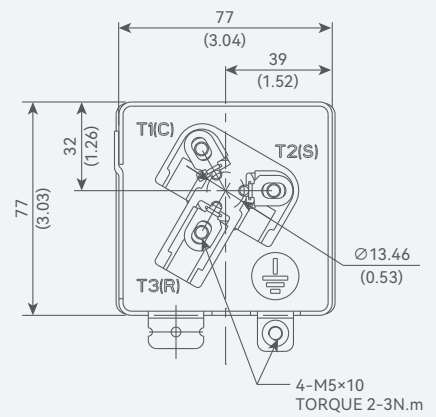
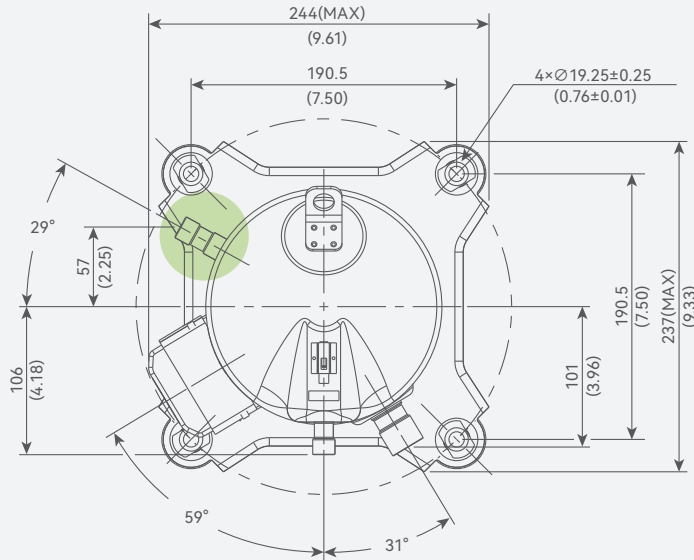
**6-7 Hp
AC**

SA180-SA200; SA180D-SA200D

**6-12 Hp
High Temp. AC**

SH220A-SH260A SH350C-SH380C

● ACCESORIO DE INYECCIÓN DE VAPOR SOLO SERIE SAV

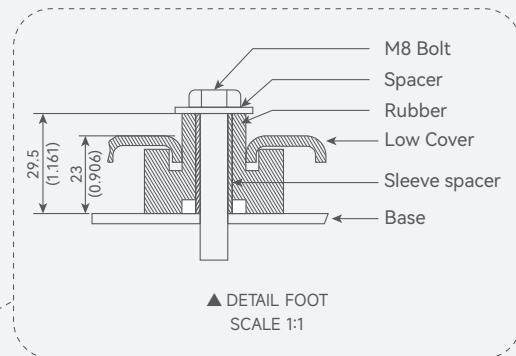
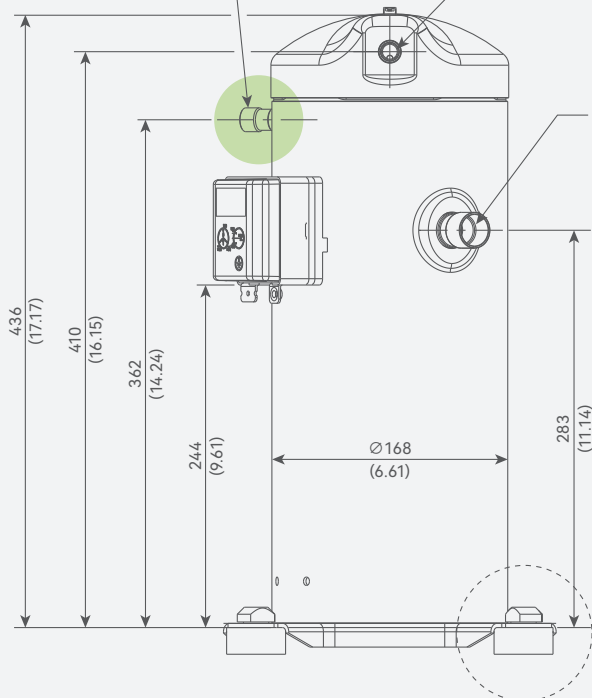


▲ TERMINAL BOX LAYOUT
SCALE 1:2

Ø12.78-12.95(0.503-0.510)I.D.
▽10.1(0.40)MIN.
0.04-0.08(0.002-0.003) THICK
EXTERIOR AND INTERIOR
COPPER PLATED STEEL
INJECTION FITTING

Ø12.78-12.95(0.503-0.510)I.D.
▽10.1(0.40)MIN.
0.04-0.08(0.002-0.003)THICK EXTERIOR AND INTERIOR
COPPER PLATED STEEL DISCHARGE FITTING

Ø22.35-22.45(0.880-0.884)I.D.
▽17.3(0.681)MIN.
0.04-0.08(0.002-0.003)THICK EXTERIOR AND INTERIOR
COPPER PLATED STEEL SUCTION FITTING



▲ DETAIL FOOT
SCALE 1:1

Dimensions Data

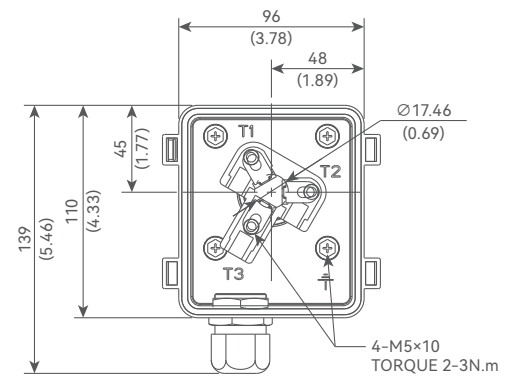
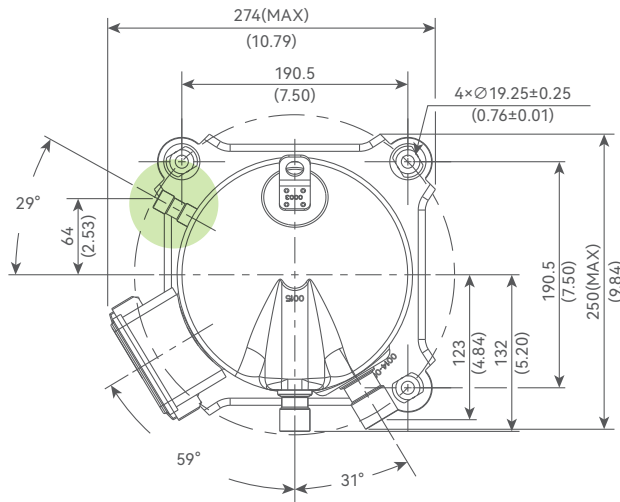
8-15 Hp AC

SA235-SA430; SAV350-SA2V430; SA225D-SA450D

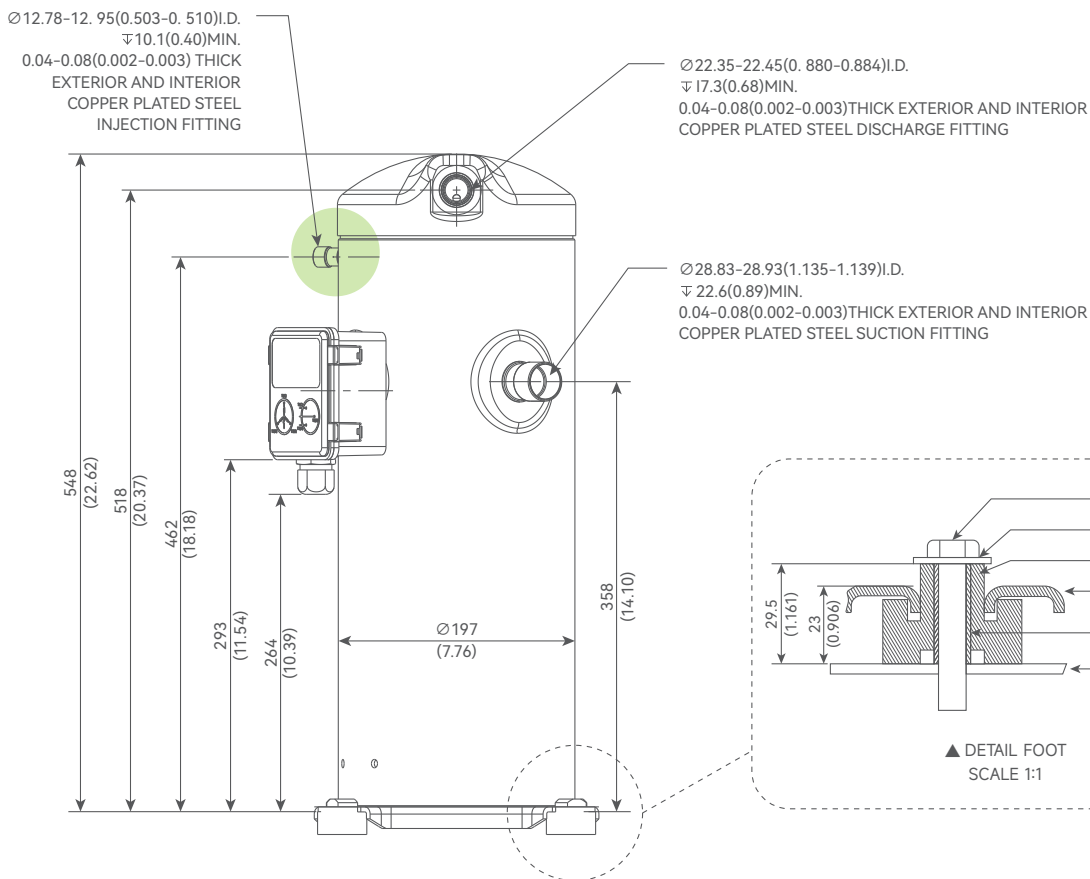
15-25 Hp High Temp. AC

SH530C-SH790C

● AV SERIES STEAM INJECTION ACCESSORY ONLY



▲ TERMINAL BOX LAYOUT
SCALE 1:2



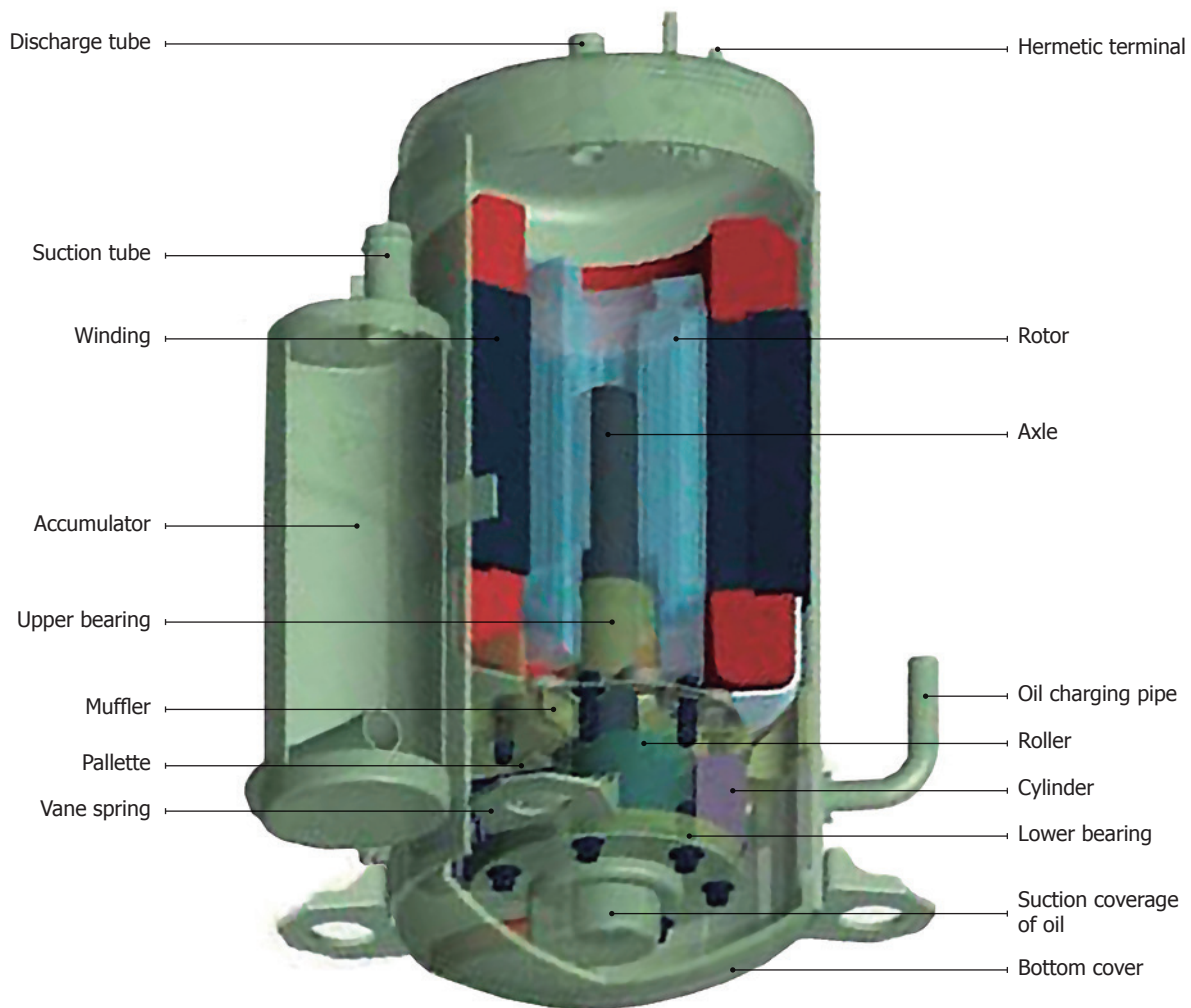
▲ DETAIL FOOT
SCALE 1:1

EasyCold

Rotary Compressors
for applications of
High, Medium and Low
temperature



Rotary Compressor *EasyCold* R-404A



Technical data

MODEL	Power Engine Hp	Displacement Cm ³ /rev	Power	Refrigerant	Temp evaporation °C	Temp. condensation °C	Nominal Consumption Amp.	Nominal Power W	Nominal Capacity W -10 evap. +40 cond.	Condenser job	Condenser start		
BERTA-145XV	1	14,5	220-240V/1ph/50Hz	R-404A	-45 +10	+20 +65	4	850	1.550	25µF/400v	65µF/330v		
VICTOR-3900DCV	1,5	19,3					5,2	1.135	2.091	35µF/450v	80µF/330v		
XIXI-307LV	2	30,7					7,5	1.585	3.585	50µF/450v	115µF/330v		
SERGI-488LC	3	48,8	380-400V/3ph/50Hz						4,75	2.570	5.883	-	-
IGNASI-590LC	4	59					6,2	3.650	8.256	-	-		
SONIA-752LC	5	75,2					8	4.600	9.420	-	-		
ANABEL-1946DCC	6,5	91,1					8,8	5.055	11.450	-	-		

Rotary Compressor *EasyCold*

R-404A

- Ultra-quiet vibration.
- Evaporation temperature operating range 0 °C to –40 °C.
- Freezing, refrigeration and quick freezing.
- R-404A compressor with liquid spray system, stable low temperature operation



Capacity or R-404A

Model	W	Temp. condensation (°C)	Temperature evaporation (°C)								Price €
			–25	–20	–15	–10	–5	0	5	10	
BERTA-145XV 1 Hp Monophase	Capacity W	30	751	942	1.170	1.434	1.734	2.070	2.442	2.851	-
		40	726	870	1.050	1.266	1.518	1.807	2.132	2.493	
		50	684	780	913	1.082	1.286	1.527	1.805	2.118	
		60	626	675	759	880	1.038	1.231	1.461	1.726	
	Watt W	30	371	388	401	409	412	411	405	395	
		40	399	426	450	468	483	492	497	497	
		50	434	472	506	536	560	581	596	607	
		60	477	526	570	611	646	677	703	725	
VICTOR-03900DCV 1,5 Hp Monophase	Capacity W	30	1.296	1.643	2.053	2.526	3.059	3.656	4.313	5.034	-
		40	1.236	1.502	1.830	2.220	2.672	3.186	3.763	4.401	
		50	1.161	1.345	1.591	1.899	2.270	2.702	3.196	3.753	
		60	1.071	1.173	1.337	1.563	1.852	2.203	2.616	3.090	
	Watt W	30	683	703	723	742	759	776	791	806	
		40	800	816	831	846	859	871	883	892	
		50	993	1.004	1.016	1.025	1.034	1.042	1.049	1.055	
		60	1.260	1.268	1.274	1.280	1.285	1.288	1.291	1.293	
XIXI-307LV 2 Hp Monophase	Capacity W	40	924	1.180	1.898	2.933	3.585	4.334	5.188	6.151	-
		45	851	1.098	1.774	2.731	3.331	4.021	4.805	5.690	
		50	755	997	1.635	2.521	3.072	3.703	4.421	5.232	
		55	630	868	1.475	2.294	2.798	3.375	4.029	4.767	
	Watt W	40	1.074	1.115	1.213	1.319	1.368	1.412	1.449	1.475	
		45	1.143	1.185	1.290	1.405	1.461	1.512	1.556	1.591	
		50	1.229	1.273	1.384	1.508	1.569	1.626	1.677	1.720	
		55	1.341	1.386	1.486	1.633	1.699	1.762	1.820	1.870	

Test conditions:

Subcooling temperature 8.3K.
Return gas superheat temperature 25K

Rotary Compressor *EasyCold* R-404A

Capacity or R-404A

Model	W	Temp. condensation (°C)	Temperature evaporation (°C)								Price €
			-25	-20	-15	-10	-5	0	5	10	
SERGI-488LC 3 Hp Treephase	Capacity W	40	1.517	1.936	3.114	4.913	5.883	7.113	8.513	10.094	-
		45	1.397	1.802	2.911	4.482	5.467	6.589	7.885	9.338	
		50	1.240	1.636	2.683	4.137	5.041	6.077	7.255	8.585	
		55	1.033	1.425	2.420	3.764	4.592	5.538	6.611	7.822	
	Watt W	40	1.769	1.836	1.998	2.172	2.254	2.326	2.386	2.429	
		45	1.882	1.952	2.125	2.315	2.406	2.490	2.563	2.620	
		50	2.025	2.097	2.279	2.483	2.584	2.678	2.763	2.833	
		55	2.208	2.283	2.247	2.689	2.798	2.902	2.998	3.080	
IGNASI-590LC 4 Hp Treephase	Capacity W	40	2.288	2.936	4.616	6.879	8.256	9.810	11.552	13.492	-
		45	1.831	2.407	3.948	6.079	7.390	8.882	10.563	12.444	
		50	1.655	2.070	3.292	5.111	6.270	7.609	9.139	10.871	
		55	1.536	2.036	3.033	4.628	5.677	6.906	8.328	9.952	
	Watt W	40	1.880	1.977	2.166	2.330	2.394	2.442	2.471	2.479	
		45	2.349	2.456	2.680	2.899	2.999	3.088	3.163	3.222	
		50	2.914	3.016	3.247	3.493	3.614	3.730	3.838	3.933	
		55	3.309	3.403	3.627	3.876	4.003	4.127	4.245	4.354	
SONIA-752LC 5 Hp Treephase	Capacity W	40	2.334	3.068	5.032	7.747	9.420	11.321	13.464	15.881	-
		50	2.110	2.638	4.196	6.514	7.991	9.699	11.649	13.857	
		55	2.013	2.595	3.866	5.899	7.236	8.803	10.615	12.685	
		60	1.903	2.711	3.636	5.328	6.495	7.895	9.540	11.443	
	Watt W	40	3.005	3.141	3.428	3.708	3.835	3.949	4.046	4.120	
		50	3.727	3.857	4.153	4.468	4.623	4.771	4.908	5.031	
		55	4.232	4.352	4.639	4.958	5.120	5.279	5.430	5.569	
		60	4.885	4.992	5.260	5.574	5.739	5.903	6.063	6.215	
ANABEL-19460DCC 6 Hp Treephase	Capacity W	40	2.837	3.729	6.116	9.416	11.450	13.761	16.365	19.279	-
		50	2.565	3.206	5.101	7.918	9.713	11.789	14.160	16.843	
		55	2.690	3.155	4.699	7.170	8.795	10.700	12.903	15.418	
		60	2.342	2.895	4.419	6.476	7.895	9.596	11.595	13.909	
	Watt W	40	3.626	3.790	4.136	4.474	4.628	4.765	4.881	4.972	
		50	4.497	4.654	5.010	5.391	5.578	5.757	5.922	6.070	
		55	5.106	5.251	5.597	5.982	6.178	6.369	6.551	6.719	
		60	5.894	6.023	6.346	6.762	6.924	7.123	7.316	7.499	

Test conditions:

Subcooling temperature 8.3K.
Return gas superheat temperature 25K