RefComp

SNOWMAN CO., LTD.

134-S & SRC-S SERIES

Semi-hermetic Compact Screw Compressors

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MODEL DESIGNATION

COMPRESSOR	134	–XS	–040		–M	2	SRC	–XS	–040		–M	2
	134	–S	–300	W	–L	4	SRC	–S	–985	W	–L	4

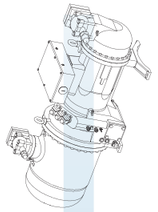
COMPRESSOR TYPE	
134	Semi-hermetic Refrigerant Compressor optimized for R134a
SRC	Semi-hermetic Refrigerant Compressor

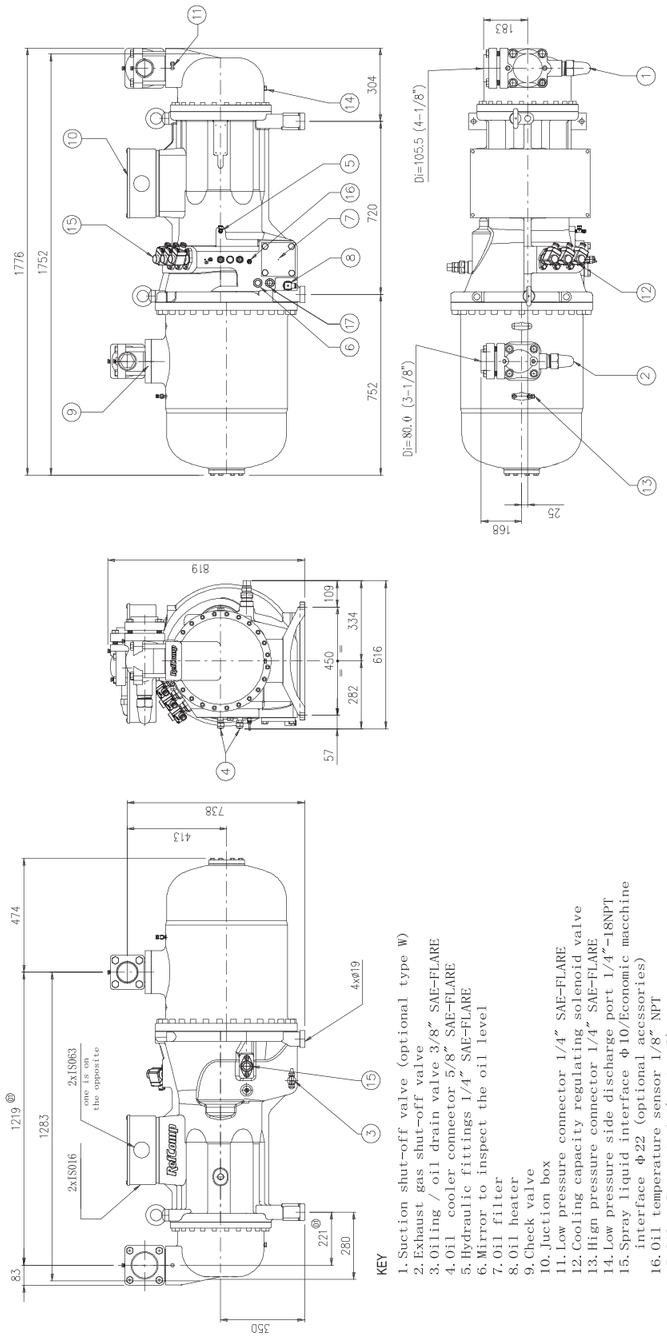
SERIES	
XS	Screw compressors XS series
S	Screw compressors S series
040	Model size number
985	

BUILT-IN VOLUMETRIC RATIO Vi	
H	Vi = 3,2 (SRC-S)
S	Vi = 2,6 (SRC-S) (S Qmitted)
W	Vi = 2,2 (SRC-S)
HS	Vi = 3,2 - 2,6 (Variable) (SRC-S-785…985)
LW	Vi = 2,6 - 2,2 (Variable) (SRC-S-785…985)
R	Vi = 4,4 (134-S)
S	Vi = 3,2 (134-S) (S Qmitted)
L	Vi = 2,6 (134-S)
W	Vi = 2,2 (134-S)
SL	Vi = 3,2 - 2,6 (Variable) (134-S-240…300)
LW	Vi = 2,6 - 2,2 (Variable) (134-S-240…300)

ELECTRICAL ACCESSORIES	
L	220V AC
M	110V AC
Y	24V AC
U	Electrical accessories UL approved 220 V AC
V	Electrical accessories UL approved 110 V AC

CAPACITY CONTROL	
2	3 Steps (134-XS/SRC-XS)
4	4 Steps (134-S/SRC-S)
Z	Infinity (134-S/SRC-S)





KEY

1. Suction shut-off valve (optional type W)
2. Exhaust gas shut-off valve
3. Oiling / oil drain valve 3/8" SAE-FLARE
4. Oil cooler connector 5/8" SAE-FLARE
5. Hydraulic fittings 1/4" SAE-FLARE
6. Mirror to inspect the oil level
7. Oil filter
8. Oil heater
9. Check valve
10. Juction box
11. Low pressure connector 1/4" SAE-FLARE
12. Cooling capacity regulating solenoid valve
13. High pressure connector 1/4" SAE-FLARE
14. Low pressure side discharge port 1/4"-18NPT
15. Spray liquid interface ϕ10/Economic macchine interface ϕ22 (optional accssories)
16. Oil temperature sensor 1/8" NPT
17. Oil valve switch (optional)

RefComp

INTRODUCTION

In the air conditioning field,together with compressor reliability and availability,attention toward other factors such as efficiency,noiseless,compactness and the simplicity of installation and maintenance have spread the compact screw compressor technology to all m-arkets.

RefComp double screw compressors dedicated to air conditioning are:

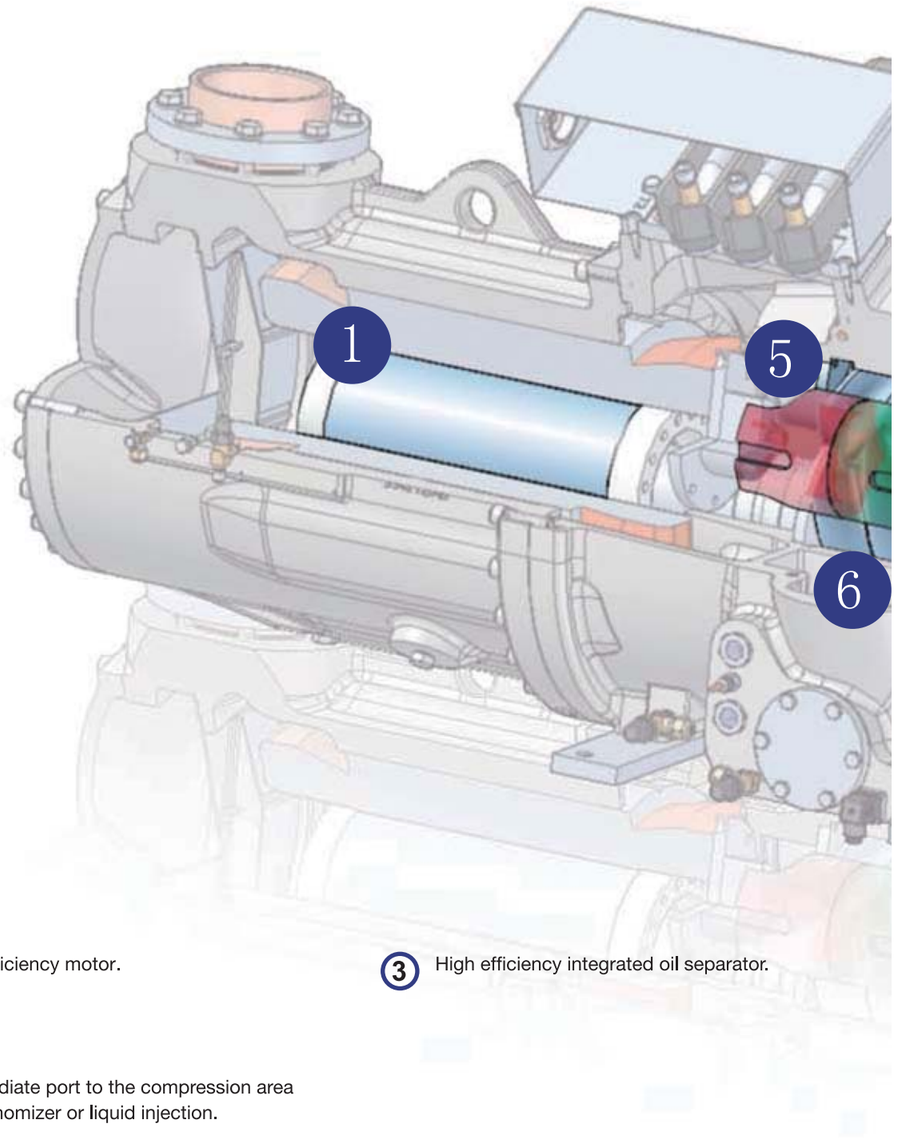
SRC is the name of the series dedicated to the use of refrigerants R22 and non-chlorinated R407C,R404A, R507.The series is divided into two different product families:ultra compact series SRC-XS with 3 models and SRC-S with18 models.

134 is the name of the series dedicated to the use of R134a.The series is divided into two different product families:ultra compact series 134-XS with 3 models and 134-S with 14 models.

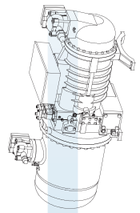
SRC-S-785_885_985 (sea page 19,20,21)

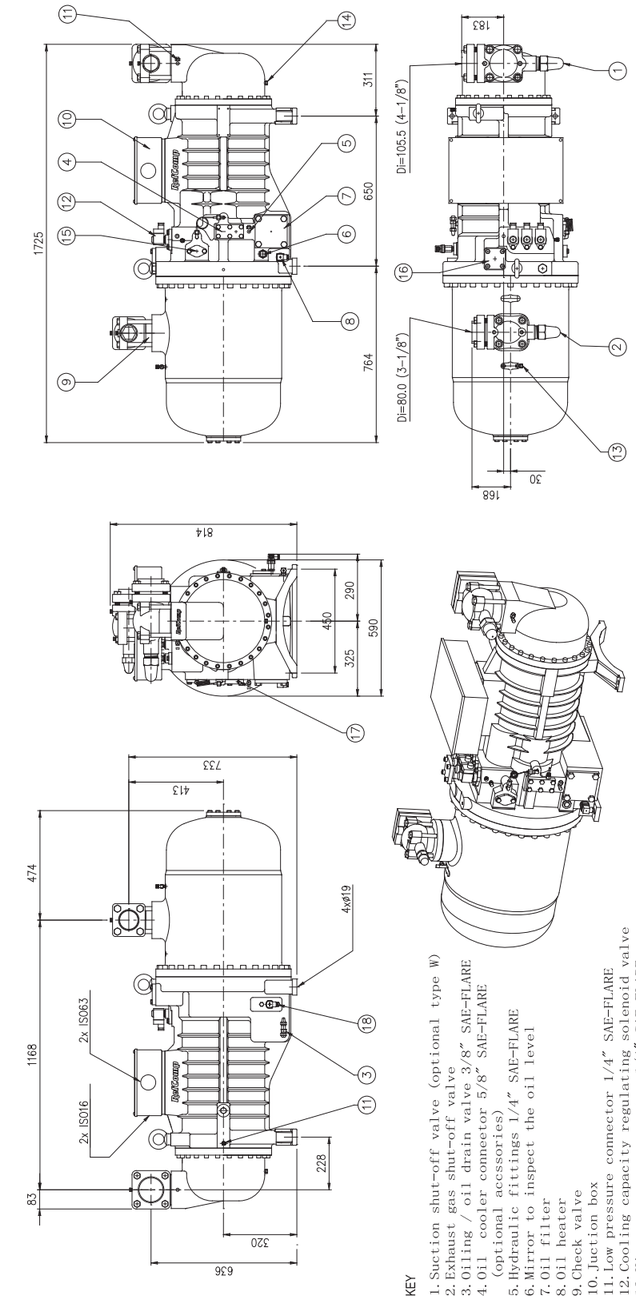
RefComp

134-S Series
SRC-S Series



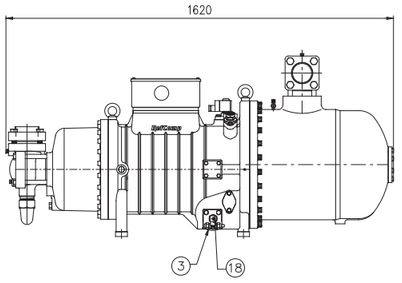
1. High efficiency motor.
2. Intermediate port to the compression area for economizer or liquid injection.
3. High efficiency integrated oil separator.

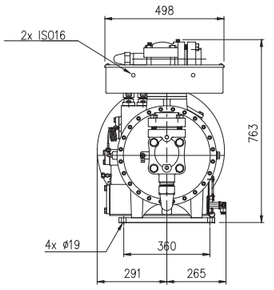


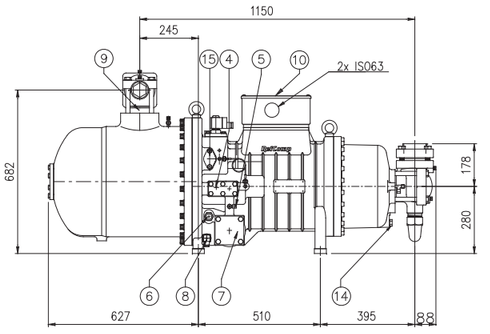


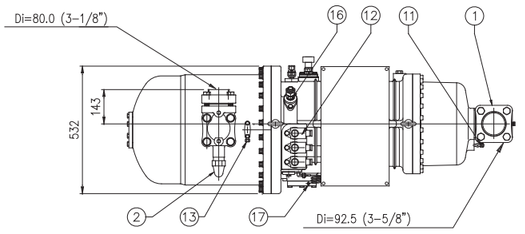
KEY

1. Suction shut-off valve (optional type W)
2. Exhaust gas shut-off valve
3. Oiling / oil drain valve 3/8" SAE-FLARE
4. Oil cooler conector 5/8" SAE-FLARE (optional accssories)
5. Hydraulic fittings 1/4" SAE-FLARE
6. Mirror to inspect the oil level
7. Oil filter
8. Oil heater
9. Check valve
10. Juction box
11. Low pressure connector 1/4" SAE-FLARE
12. Cooling capacity regulating solenoid valve
13. High pressure connector 1/4" SAE-FLARE
14. Low pressure side discharge port 1/4"-18NPT
15. Solenoid valve interface (stepless energy control)
16. Spray liquid interface Φ10/Economic macchine interface Φ42 (optional accssories)
17. Oil temperature sensor 1/8" NPT
18. Oil valve switch (optional)



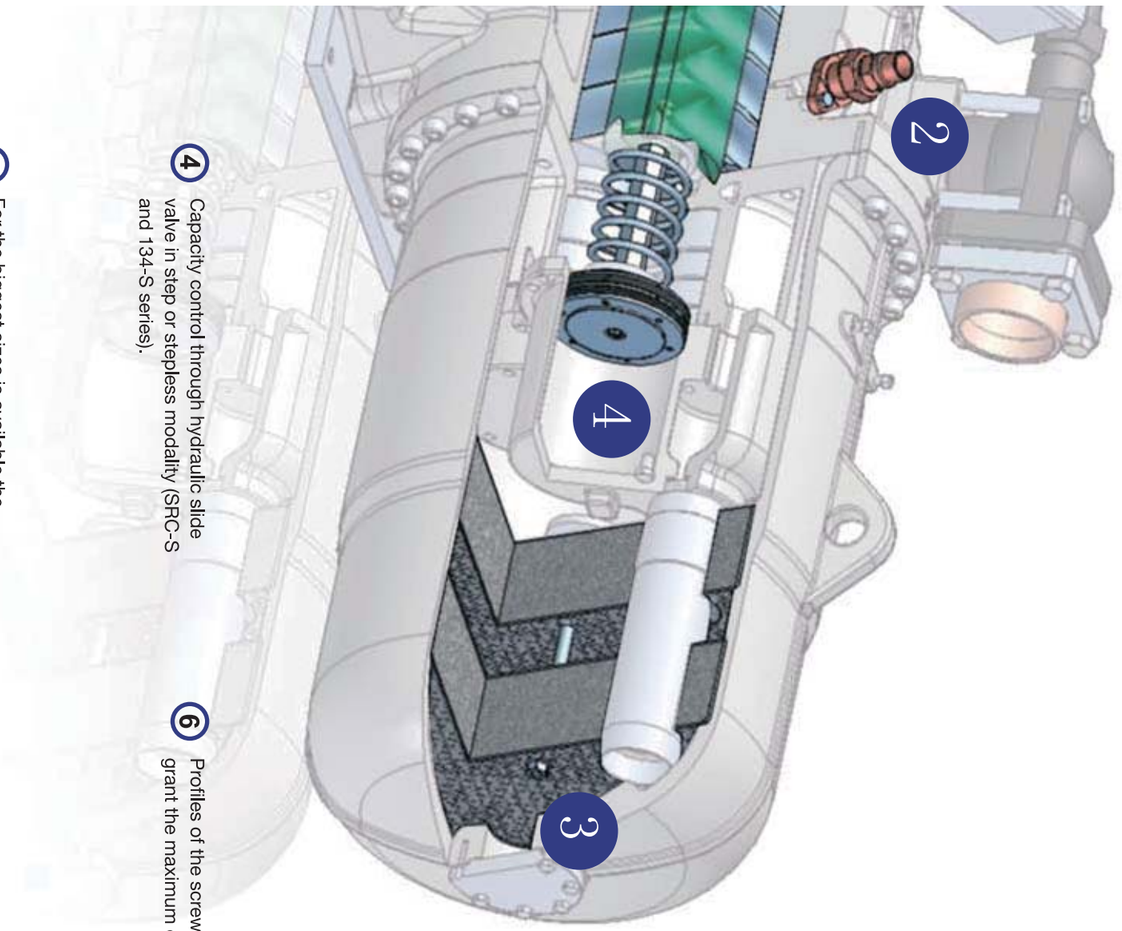






KEY

1. Suction shut-off valve (optional type W)
2. Exhaust gas shut-off valve
3. Oiling / oil drain valve 3/8" SAE-FLARE
4. Oil cooler conneetor 5/8" SAE-FLARE (optional accssories)
5. Hydraulic fittings 1/4" SAE-FLARE
6. Mirror to inspect the oil level
7. Oil filter
8. Oil heater
9. Check valve
10. Juction box
11. Low pressure connector 1/4" SAE-FLARE
12. Cooling capacity regulating solenoid valve
13. Hign pressure connector 1/4" SAE-FLARE
14. Low pressure side discharge port 1/4"-18NPT
15. Solenoid valve interface (stepless energy control)
16. Spray liquid interface Φ10/Economic macchine interface Φ28 (optional accssories)
17. Oil temperature sensor 1/8" NPT
18. Oil valve switch (optional)



2 For the biggest sizes is available the adjustable built-in volumetric ratio device.

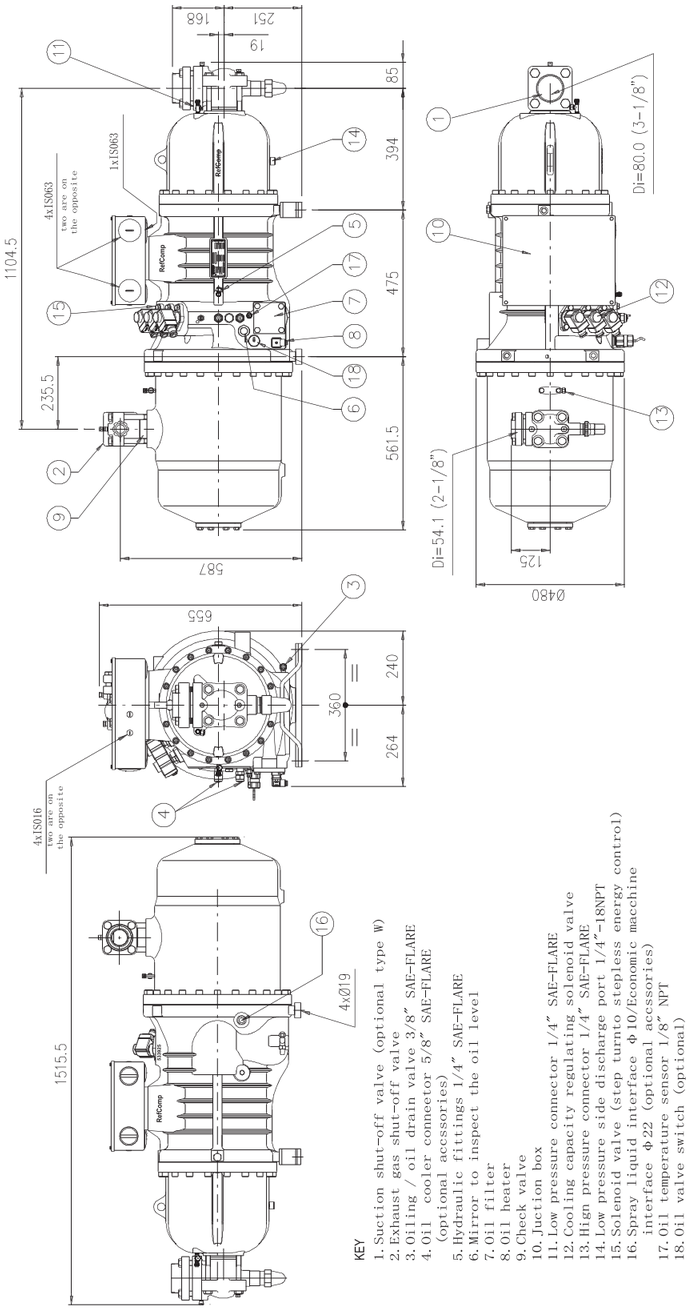
4 Capacity control through hydraulic slide valve in step or stepless modality (SRC-S and 134-S series).

6 Profiles of the screws optimized to grant the maximum efficiency.

TECHNICAL DATA

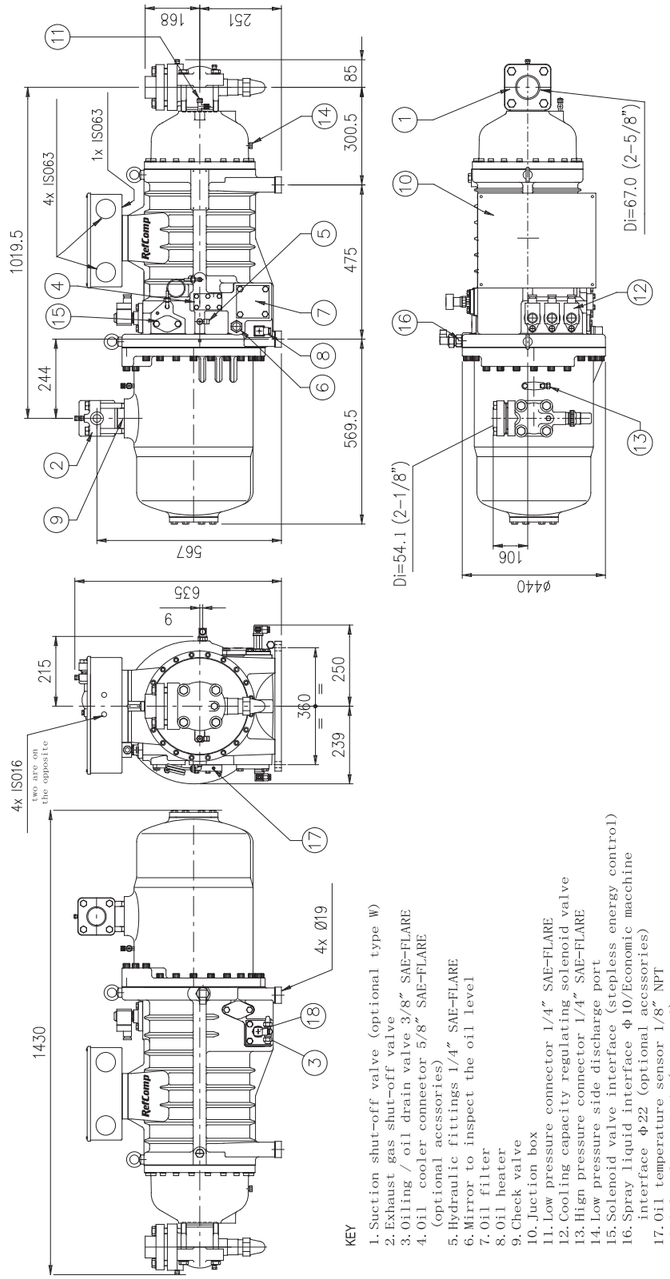
MODEL 134-S						071
MODEL 134-XS			040	050	060	
Displacement at 50/60 [Hz]		m^3/h	175/210	210/252	250/300	270/324
Weight		Kg	310	315	320	510
Oil charge		dm^3	7	7	7	11
Crankcase heater						
Discharge line, internal Ø/Pipe size		mm inches	42.2/ 1- 5/8”	42.2/ 1- 5/8”	42.2/ 1- 5/8”	54.1/ 2- 1/8”
Suction line, internal Ø/Pipe size		mm inches	54.1/ 2- 1/8”	54.1/ 2- 1/8”	54.1/ 2- 1/8”	80.0/ 3- 1/8”
Capacity control steps						
Protection devices						
Lubricant						
Standard motor (1)						
Y / Δ	134-S-W	Starting current	LRA Y	A	–	–	–	138
			LRA Δ	A	–	–	–	422
		Max running current	FLA	A	–	–	–	107
	134-S/134-S-L	Starting current	LRA Y	A	139	172	195	159
			LRA Δ	A	398	406	547	459
		Max running current	FLA	A	73	83	103	118
	134-S-R	Starting current	LRA Y	A	–	–	–	–
			LRA Δ	A	–	–	–	–
		Max running current	FLA	A	–	–	–	–

(1) Voltage tolerance ± 10%



KEY

1. Suction shut-off valve (optional type W)
2. Exhaust gas shut-off valve
3. Oiling / oil drain valve 3/8" SAE-FLARE
4. Oil cooler connector 5/8" SAE-FLARE (optional accessories)
5. Hydraulic fittings 1/4" SAE-FLARE
6. Mirror to inspect the oil level
7. Oil filter
8. Oil heater
9. Check valve
10. Juction box
11. Low pressure connector 1/4" SAE-FLARE
12. Cooling capacity regulating solenoid valve
13. High pressure connector 1/4" SAE-FLARE
14. Low pressure side discharge port 1/4"-18NPT
15. Solenoid valve (step turnto stepless energy control)
16. Spray liquid interface Φ10/Economic macchine interface Φ22 (optional accssories)
17. Oil temperature sensor 1/8" NPT
18. Oil valve switch (optional)

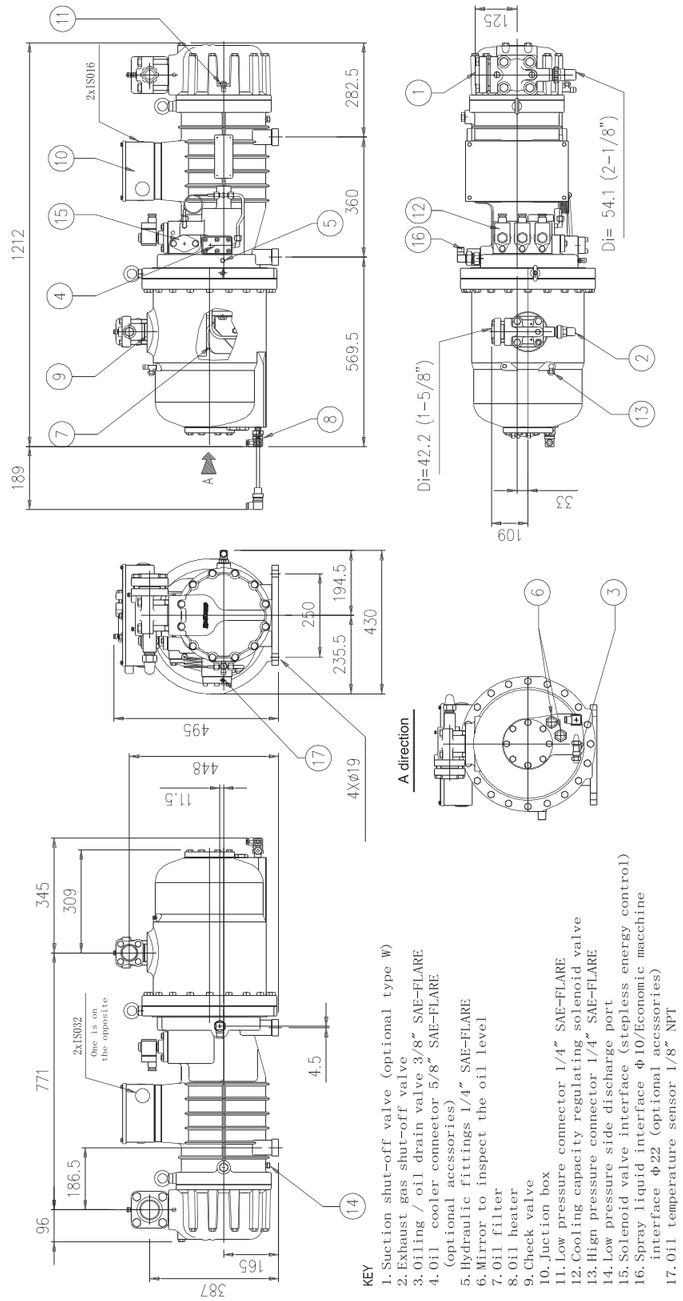


081	091	101	110	120	140	160	180	210	220	240	270	300
307/368	344/413	380/456	413/496	480/576	560/672	640/768	720/864	805/966	850/1020	910/1092	1000/1200	1100/1320
518	532	538	660	670	680	930	940	950	980	1330	1350	1390
11	11	11	17	17	17	23	23	23	23	25	25	25
200W-230V-50/60 [Hz]						275W-230V-50/60 [Hz]						
54.1/ 2- 1/8"	54.1/ 2- 1/8"	67.0/ 2- 5/8"	80.0/ 3- 1/8"	80.0/ 3- 1/8"	80.0/ 3- 1/8"	80.0/ 3- 1/8"	80.0/ 3- 1/8"	80.0/ 3- 1/8"	80.0/ 3- 1/8"	105.5/ 4- 1/8"	105.5/ 4- 1/8"	105.5/ 4- 1/8"
80.0/ 3- 1/8"	92.5/ 3- 5/8"	92.5/ 3- 5/8"	105.5/ 4- 1/8"	105.5/ 4- 1/8"	105.5/ 4- 1/8"	105.5/ 4- 1/8"	105.5/ 4- 1/8"	105.5/ 4- 1/8"	105.5/ 4- 1/8"	134.8/Φ133	134.8/Φ133	134.8/Φ133
134-S: Step :100,75,50%, Minimum. (Stepless : 100%..... Minimum . or 100.....50% on request)												
INT69 RCY												
CPI Solest 170 (Please contact RefComp if you have any special requirements)												
400/3/50 [Hz] - 460/3/60 [Hz]												
159	193	254	224	280	280	354	374	453	543	551	703	791
459	580	770	693	842	842	1064	1155	1333	1645	1667	2109	2390
111	123	131	156	174	199	229	254	266	276	330	367	402
193	254	254	318	361	361	374	453	543	595	703	783	876
580	770	770	953	1095	1095	1155	1333	1645	1802	2109	2348	2627
132	148	156	182	202	228	260	295	310	335	400	435	490
254	254	–	361	403	403	453	543	595	–	783	876	1062
770	770	–	1095	1208	1208	1333	1645	1802	–	2348	2627	3186
142	160	–	203	230	263	299	341	366	–	446	501	569

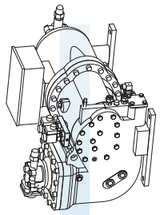
TECHNICAL DATA

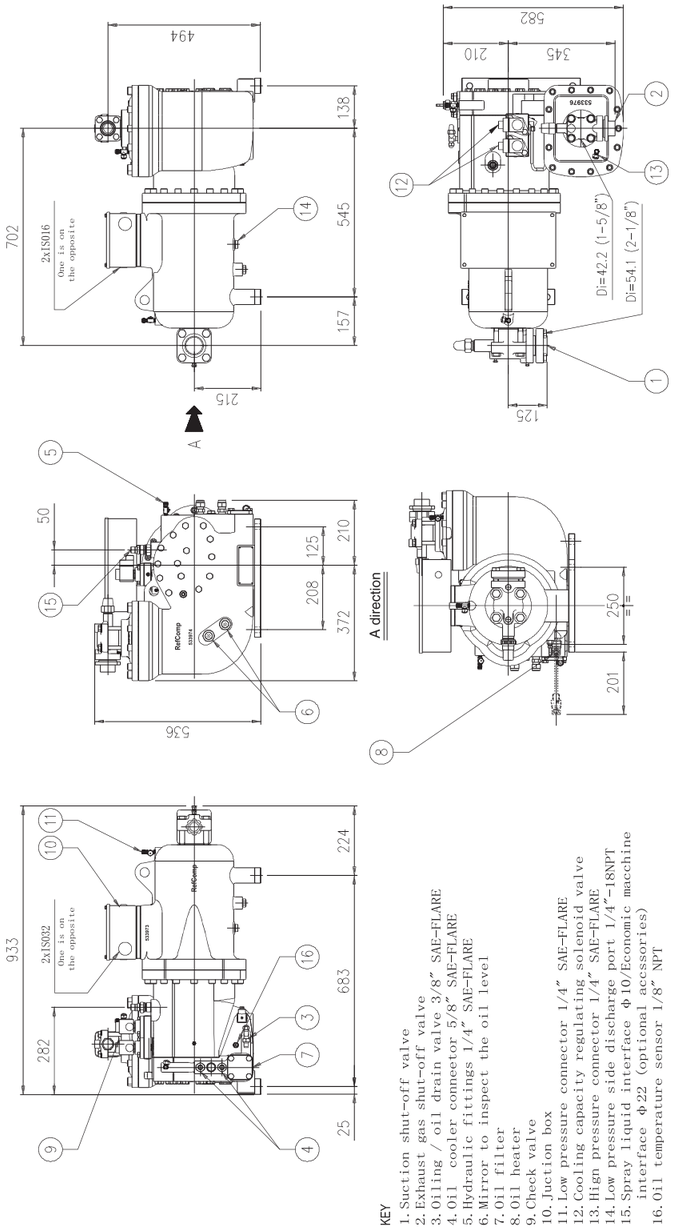
Model SRC-S(W)				113	133	163	183	213
Model SRC-XS				040	050	060		
Displacement at 50/60 [Hz]			[m³/h]	118/ 142	150/ 180	175/ 210	205/ 246	237/ 284
Weight			[Kg] (1)	325 (300)	330 (305)	335 (310)	510	515
Oil charge			[dm³] (1)	6 (6,5)	6 (6,5)	6 (6,5)	7	7
Crankcase heater				200W - 230V - 50/60 [Hz]				
Discharge line, internal Ø/Pipe size			[inches / mm]	42.2/ 1- 5/8”	42.2/ 1- 5/8”	42.2/ 1- 5/8”	54.1/ 2- 1/8”	54.1/ 2- 1/8”
Suction line, internal Ø/Pipe size			[inches / mm]	54.1/ 2- 1/8”	54.1/ 2- 1/8”	54.1/ 2- 1/8”	67.0/ 2- 5/8”	67.0/ 2- 5/8”
Capacity control steps								
Protection devices								
Lubricant								
Standard motor (2)								
Y / Δ	SRC-S-W	Starting current	LRA Y	[A]	109	131	134	139	159
			LRA Δ	[A]	331	398	406	422	459
		Max running current	FLA	[A]	70	82	86	105	115
	SRC-S/XS	Starting current	LRA Y	[A]	131	134	182	159	193
			LRA Δ	[A]	398	406	547	459	580
		Max running current	FLA	[A]	80	90	96	124	140

(1) Data referred to XS models
(2) Voltage tolerance ±10%



KEY
1. Suction shut-off valve (optional type W)
2. Exhaust gas shut-off valve
3. Oiling / oil drain valve 3/8" SAE-FLARE
4. Oil cooler connetor 5/8" SAE-FLARE (optional accssories)
5. Hydraulic fittings 1/4" SAE-FLARE
6. Mirror to inspect the oil level
7. Oil filter
8. Oil heater
9. Check valve
10. Juction box
11. Low pressure connector 1/4" SAE-FLARE
12. Cooling capacity regulating solenoid valve
13. High pressure connector 1/4" SAE-FLARE
14. Low pressure side discharge port
15. Solenoid valve interface (stepless energy control)
16. Spray liquid interface Φ10/Economic machine interface Φ22 (optional accssories)
17. Oil temperature sensor 1/8" NPT





KEY

1. Suction shut-off valve
2. Exhaust gas shut-off valve
3. Oiling / oil drain valve 3/8" SAE-FLARE
4. Oil cooler connector 5/8" SAE-FLARE
5. Hydraulic fittings 1/4" SAE-FLARE
6. Mirror to inspect the oil level
7. Oil filter
8. Oil heater
9. Check valve
10. Juction box
11. Low pressure connector 1/4" SAE-FLARE
12. Cooling capacity regulating solenoid valve
13. High pressure connector 1/4" SAE-FLARE
14. Low pressure side discharge port 1/4"-18NPT
15. Spray liquid interface Φ10/Economic macchine interface Φ22 (optional accssories)
16. Oil temperature sensor 1/8" NPT

255	285	305	353	413	463	503	553	603	755	785	885	985
286/ 343	318/ 382	341/ 409	402/ 482	445/ 534	510/ 612	562/ 674	600/ 720	700/ 840	860/ 1032	910/ 1092	1000/ 1200	1100/ 1320
615	590	625	730	740	775	1010	1030	1020	980	1400	1400	1400
10	10	10	14	14	16	19	19	20	23	25	25	25
			275W - 230V - 50/60 [Hz]									
54.1/ 2- 1/8"	54.1/ 2- 1/8"	54.1/ 2- 1/8"	80.0/ 3- 1/8"	80.0/ 3- 1/8"	80.0/ 3- 1/8"	80.0/ 3- 1/8"	80.0/ 3- 1/8"	80.0/ 3- 1/8"	80.0/ 3- 1/8"	105.5/ 4-1/8"	105.5/ 4-1/8"	105.5/ 4-1/8"
80.0 3- 1/8"	80.0 3- 1/8"	80.0 3- 1/8"	92.5/ 3- 5/8"	92.5/ 3- 5/8"	92.5/ 3- 5/8"	105.5/ 4- 1/8"	105.5/ 4- 1/8"	105.5/ 4- 1/8"	105.5/ 4- 1/8"	134.8/Φ133	134.8/Φ133	134.8/Φ133
SRC-S: Step : 100,75,50%, Minimum.(Stepless: 100%..... Minimum. or 100.....50% on request)												
INT69 RCY												
SRC-S/XS:CPI-4214-320(R22),CPI Solest 170(R407C);SRC-S-W:5GS												
400/3/50 [Hz] - 460/3/60 [Hz]												
193	254	254	276	354	374	453	543	543	595	783	876	1062
580	770	770	876	1155	1155	1333	1645	1645	1802	2348	2627	3186
140	160	170	195	210	230	265	290	320	418	475	540	590
257	318	318	354	374	453	543	595	595	595	876	1062	1062
770	953	953	1155	1155	1333	1645	1802	1802	1802	2627	3186	3186
168	192	196	225	245	270	300	334	400	418	520	590	650

BENEFITS

Efficiency

Built-in volumetric ratio could be chosen,in phase of order,between these values:

134-S Vi = 2,2 (W)
dedicated to water condensing units with flooded evaporator and high efficency units

Vi = 2,6 (L)
dedicated to water condensing units

Vi = 3,2 (S)
dedicated to air condensing units

Vi = 4,4 (R)
dedicated to air condensing units and /or heat pump applications

SRC-S Vi = 2,2 (W)
dedicated to water condensing units with flooded evaporator and high efficency units

Vi = 2,6 (S)
dedicated to air/water condensing units

Vi = 3,2 (H)
dedicated to air condensing units and heat pump applications

For the biggest sizes is available,on request,the adjustable built-in volumetric ratio device,using which,the Vi can be set between different values:

134-S Vi = 2,6 - 2,2 (LW)

Vi = 3,2 - 2,6 (SL)

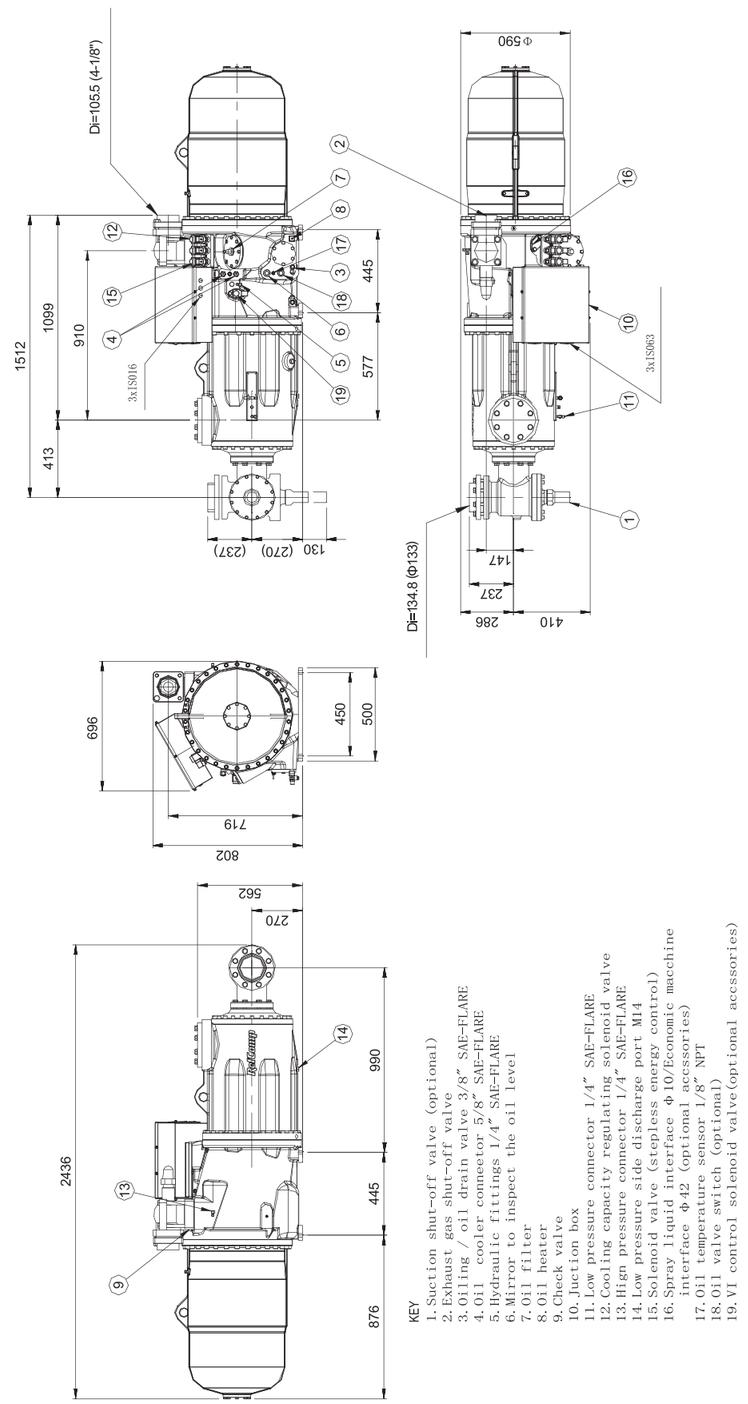
Vi = 4,4 - 3,2 (RS)

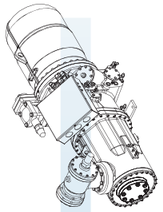
SRC-S Vi = 2,6 - 2,2 (SW)

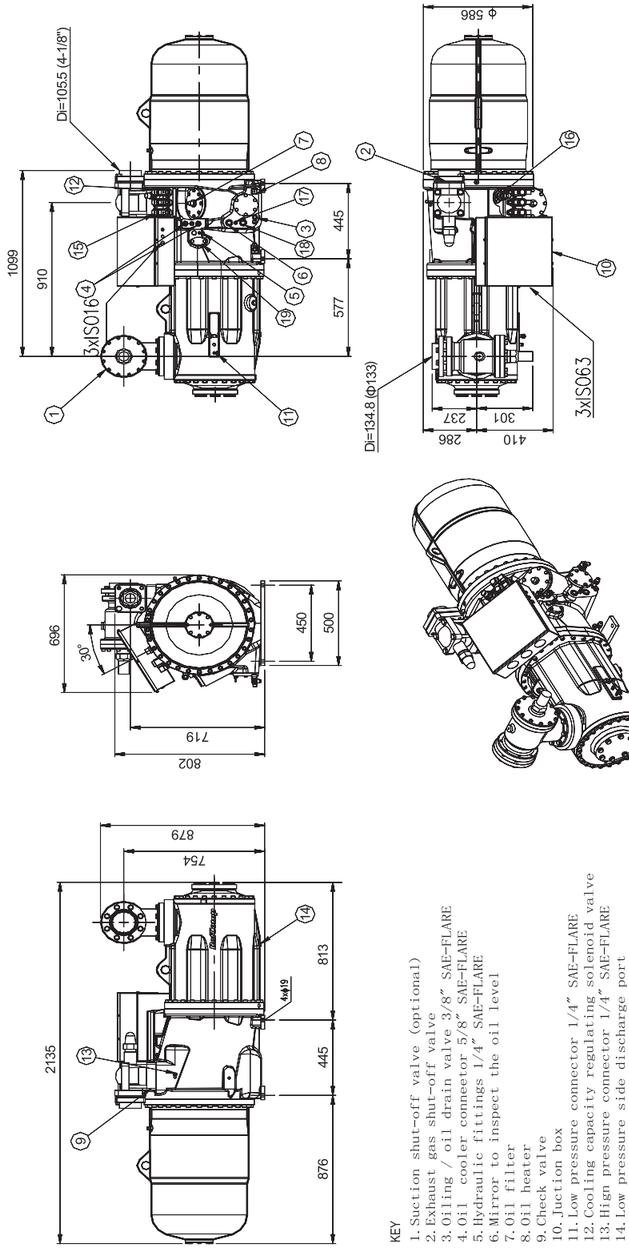
Vi = 3,2 - 2,6 (HS)

Choosing the right Vi the compression process can be adjusted to the actual compression ratio required,optimizing energy efficiency and allowing the highest EER.

134-S-240_270_300/SRC-S-785_885_985(axial suction,optional)







KEY

1. Suction shut-off valve (optional)
2. Exhaust gas shut-off valve
3. Oiling / oil drain valve 3/8" SAE-FLARE
4. Oil cooler conneetor 5/8" SAE-FLARE
5. Hydraulic fittings 1/4" SAE-FLARE
6. Mirror to inspect the oil level
7. Oil filter
8. Oil heater
9. Check valve
10. Juction box
11. Low pressure connector 1/4" SAE-FLARE
12. Cooling capacity regulating solenoid valve
13. High pressure connector 1/4" SAE-FLARE
14. Low pressure side discharge port
15. Solenoid valve (stepless energy control)
16. Spray liquid interface Φ10/Economic macchine interface Φ42 (optional acessories)
17. Oil temperature sensor 1/8" NPT
18. Oil valve switch (optional)
19. VI control solenoid valve(optional accessories)

DELIVERY

Extent of delivery:

Y/Δ motor (400V-3-50Hz,460V-3-60Hz) with 6TC temp-reture sensors,suction shut-off valve (only on SRC-S series),discharge shut-off valve,integrated check valve, integrated safety relief valve,flanged-on oil separator,oil sight glass,oil filter,oil charge. oil heater,4steps capacity control (100-75-50-min%) or stepless (100...min%),motor protection module (220V-1-50/60Hz),electrical box with enclosure class IP54,nitrogen protective charge,kit oil cooling connection (only on SRC-XS-040/050/060;SRC-S-255/285/305/755/785/885/985),vibration dampers kit.

Accessories:

On request the following accessories can be delivered: special motors,suction shut-off valve, connection kit for liquid injection, connection kit for ECO port with shut-off valve,connection kit for oil cooling,oil level control,coversion kit for step-less capacity control,bridges for D.O.L starting.

Electrical accessories:

The electrical accessories of the compressor (motor protection module,oil heater,coils for solenoid valves) are suitable for 220V AC50/60 Hz in the standard delivery. Special voltages are available on request.

Name plate data:

The main characteristics of the compressor are showed on a metal label:-serial number -compressor model -electric motor data -lubricant type (M=oil for R22,E= oil for HFC refrigerants)-displacement (m^3/h)The lubricant brand name and type are showed on a sticker.

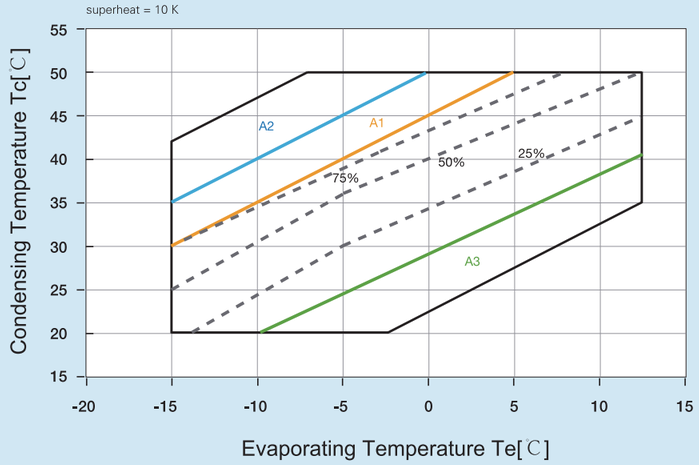
Applications:

Hard working conditions (high condensing temperature and /or low evaporating temperature) require the additional cooling of the compressor.The application limits of each refrigerant show three differentiated zones:zone n°1 identifies working conditions where additional cooling can be performed via oil cooling or liquid injection.Working conditions inside zone n°2 strictly require the oil cooling,Zone n°3 strictly requires the oil filter pressor drop must be monitored.For the dimensioning of the additional cooling circuits and the selection of the required additional comonents you can consult RefComp screw compressors application and maintenance manual.The global efficiency of the refrigerant cycle(COP) can be further increased by the subcooling economiser circuit(ECO).For the working principle,the subcooling circuit, and the selection of the additional components you can consult RefComp screw compressors application and maintenance manual.

ENVELOPE

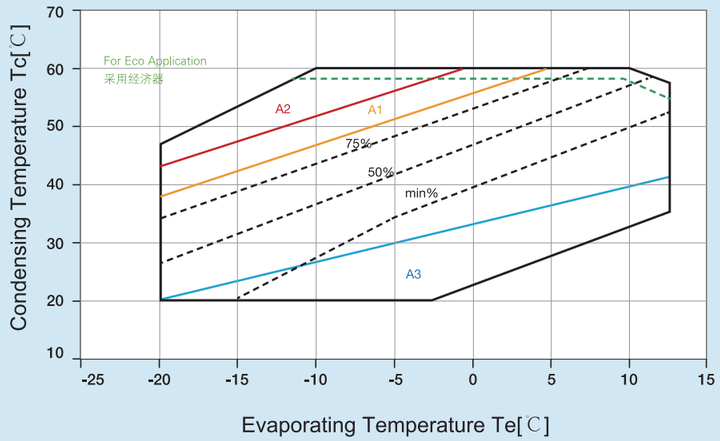
SRC-S(W) SERIES

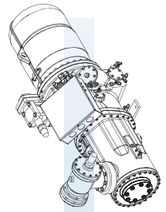
A1 = oil cooling or liquid inj.
A2 = oil cooling
A3 = oil filter control



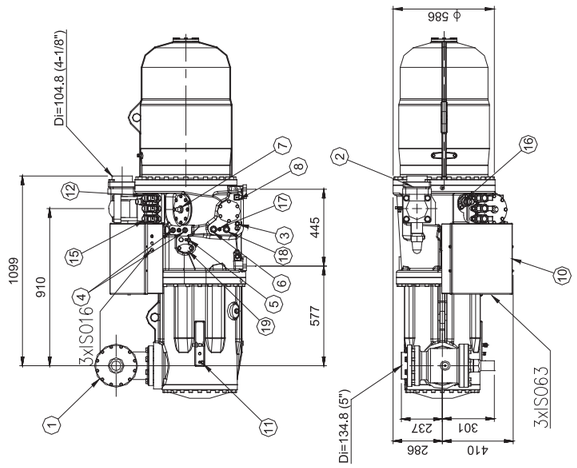
SRC-S/XS (R22) SERIES

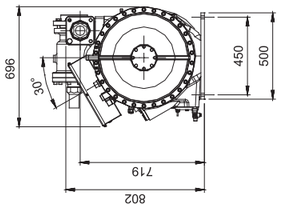
A1 = Oil cooling or liquid injection
A2 = Oil cooling only water-oil or air-oil cooler allowed
A3 = Oil filter controll

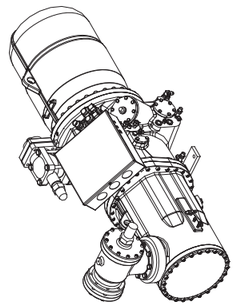


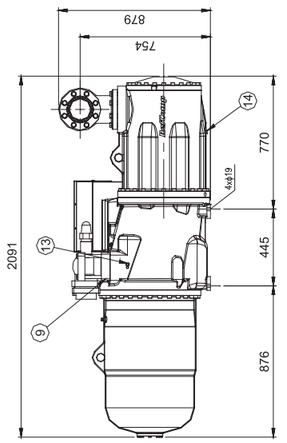


134-S-240_270_300/SRC-S-785_885_985 (radial suction,standrd)



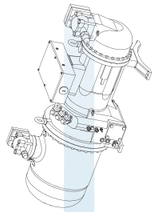


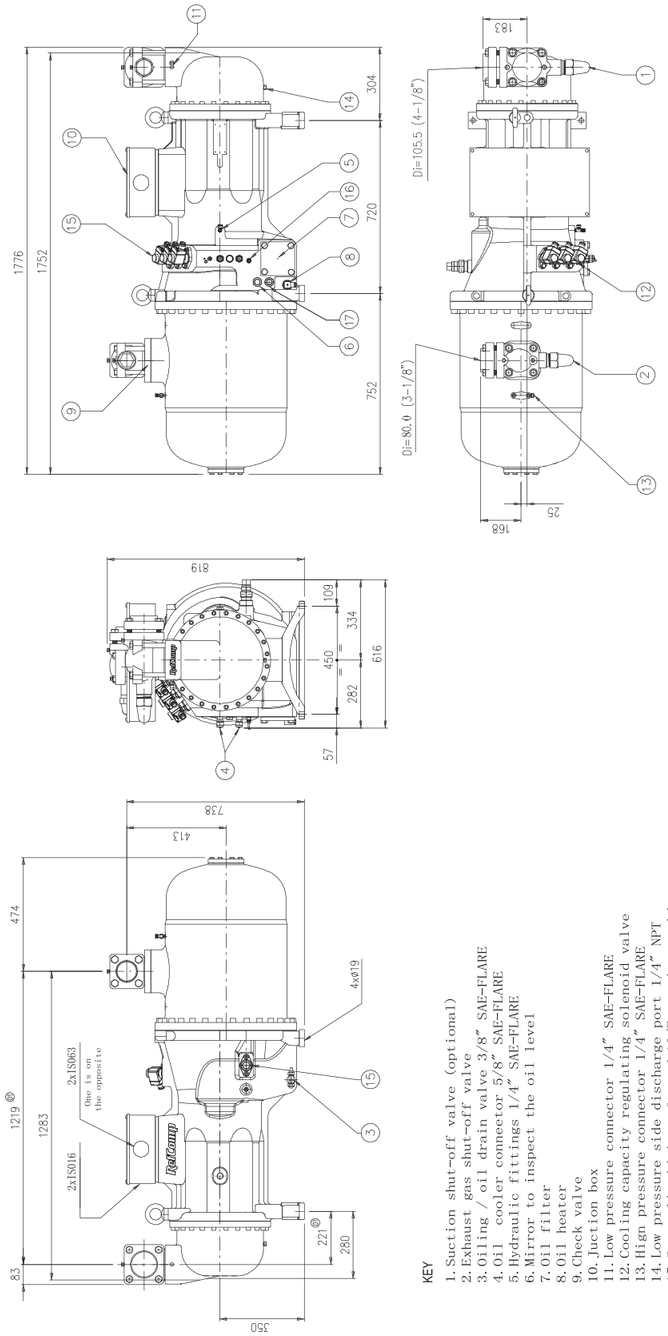




KEY

1. Suction shut-off valve (optional)
2. Exhaust gas shut-off valve
3. Oiling / oil drain valve 3/8" SAE-FLARE
4. Oil cooler conneetor 5/8" SAE-FLARE
5. Hydraulic fittings 1/4" SAE-FLARE
6. Mirror to inspect the oil level
7. Oil filter
8. Oil heater
9. Check valve
10. Juction box
11. Low pressure connector 1/4" SAE-FLARE
12. Cooling capacity regulating solenoid valve
13. High pressure connector 1/4" SAE-FLARE
14. Low pressure side discharge port
15. Solenoid valve (stepless energy control)
16. Spray liquid interface Φ10/Economic macchine interface Φ42 (optional accssories)
17. Oil temperature sensor 1/8" NPT
18. Oil valve switch (optional)
19. VI control solenoid valve(optional accssories)





KEY

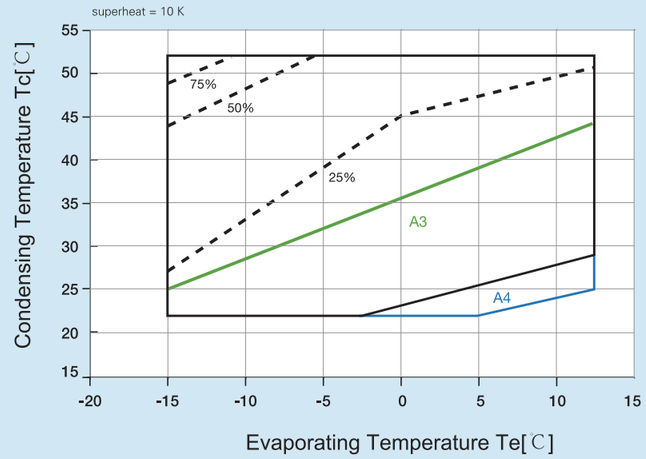
1. Suction shut-off valve (optional)
2. Exhaust gas shut-off valve
3. Oiling / oil drain valve 3/8" SAE-FLARE
4. Oil cooler connector 5/8" SAE-FLARE
5. Hydraulic fittings 1/4" SAE-FLARE
6. Mirror to inspect the oil level
7. Oil filter
8. Oil heater
9. Check valve
10. Juction box
11. Low pressure connector 1/4" SAE-FLARE
12. Cooling capacity regulating solenoid valve
13. High pressure connector 1/4" SAE-FLARE
14. Low pressure side discharge port 1/4" NPT
15. Spray liquid interface Φ10/Economic machine interface Φ28 (optional acessories)
16. Oil temperature sensor 1/8" NPT
17. Oil valve switch (optional)

134-S-160_180_210_220

RefComp

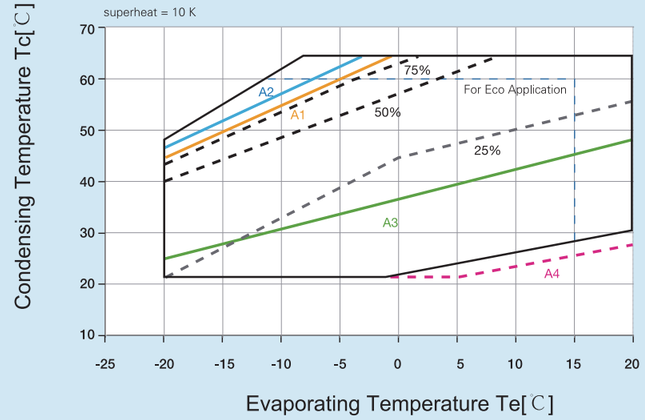
134-S(W) SERIES

A3 = oil filter control
A4 = working < 75%



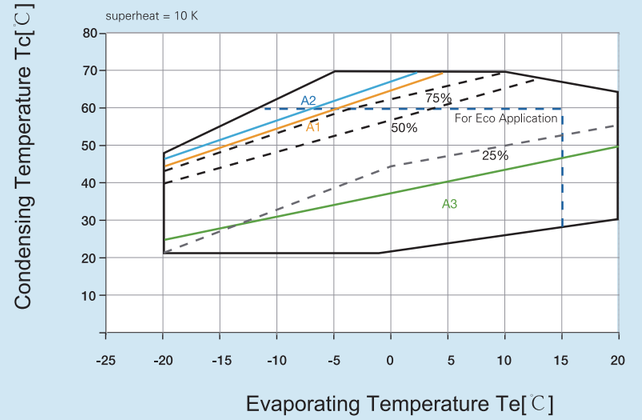
134-S AND 134-S(L) SERIES

A1 = oil cooling or liquid inj.
A2 = oil cooling
A3 = oil filter control
A4= working < 75%



134-S(R) SERIES

A1 = oil cooling or liquid inj.
A2 = oil cooling
A3 = oil filter control



RefComp

PERFORMANCES 134-S

	134-S(W)		
	T e = 5 [°C]; Tc = 38 [°C]		
MODEL	Q0 [kW]	Pa [kW]	COP
134-S(W)-071	198	39,8	4,97
134-S(W)-081	223,5	44,3	5,05
134-S(W)-091	250,4	49,6	5,05
134-S(W)-101	269,6	53,3	5,06
134-S(W)-110	298,6	55,6	5,37
134-S(W)-120	352,3	64,7	5,45
134-S(W)-140	403,3	74,7	5,40
134-S(W)-160	470,3	86,8	5,42
134-S(W)-180	535,6	98,3	5,45
134-S(W)-210	571,1	104,7	5,45
134-S(W)-220	604,3	110,9	5,45
134-S(W)-240	669,2	122,8	5,45
134-S(W)-270	755,7	138,7	5,45
134-S(W)-300	843,7	154,8	5,45

	134-S(L)		
	T e = 2 [°C]; Tc = 45 [°C]		
MODEL	Q0 [kW]	Pa [kW]	COP
134-S(L)-071	148,5	44,5	3,34
134-S(L)-081	167,5	49,4	3,39
134-S(L)-091	187,6	55,3	3,39
134-S(L)-101	201,9	59,4	3,40
134-S(L)-110	244,6	67,1	3,65
134-S(L)-120	275,2	74,2	3,71
134-S(L)-140	317,4	84,7	3,75
134-S(L)-160	369,3	100,2	3,69
134-S(L)-180	418,1	112,2	3,73
134-S(L)-210	446,8	118,7	3,76
134-S(L)-220	471,7	126,5	3,73
134-S(L)-240	522,3	139,4	3,75
134-S(L)-270	589,8	155,8	3,79
134-S(L)-300	658,5	176,9	3,72

	134-S		
	T e = 2 [°C]; Tc = 50 [°C]		
MODEL	Q0 [kW]	Pa [kW]	COP
134-XS-040	85,2	29	2,94
134-XS-050	101,7	33,8	3,01
134-XS-060	123	40	3,08
134-S-071	139,7	47,7	2,93
134-S-081	158,3	53,1	2,98
134-S-091	178,2	59,6	2,99
134-S-101	192	64,2	2,99
134-S-110	231,3	72,3	3,2
134-S-120	260,3	80	3,25
134-S-140	300,2	91,2	3,29
134-S-160	349,2	108	3,23
134-S-180	395,3	120,9	3,27
134-S-210	422,5	127,9	3,3
134-S-220	446	136,4	3,27
134-S-240	493,9	150,2	3,29
134-S-270	557,7	167,8	3,32
134-S-300	622,7	190,6	3,27

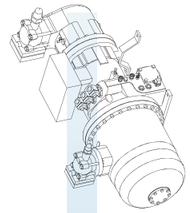
	134-S(R)		
	T e = -5 [°C]; Tc = 53 [°C]		
MODEL	Q0 [kW]	Pa [kW]	COP
134-S(R)-081	105,7	51,1	2,07
134-S(R)-091	120,4	57	2,11
134-S(R)-110	162,7	72,4	2,25
134-S(R)-120	185,9	78,7	2,36
134-S(R)-140	214,4	89,8	2,39
134-S(R)-160	245,2	106,8	2,3
134-S(R)-180	282,3	119	2,37
134-S(R)-210	301,7	125,8	2,4
134-S(R)-240	346,8	148,6	2,33
134-S(R)-270	398,3	165,1	2,41
134-S(R)-300	444,7	187,5	2,37

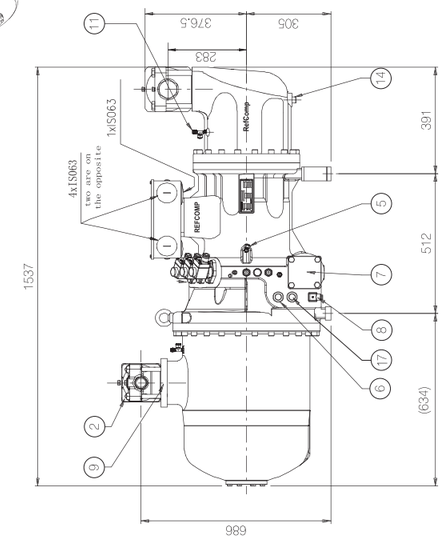
KEY / LEGENDA

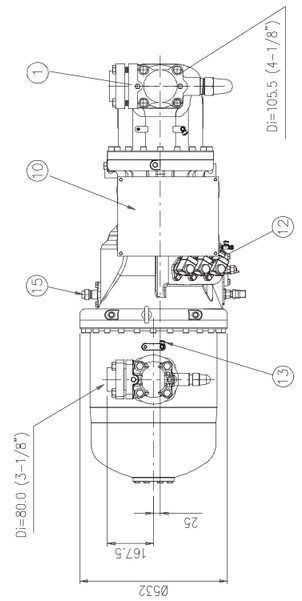
Q0 = Cooling Capacity [kW] - Pa = Input Power [kW] - Te = Evaporating temperature [°C, DEW]

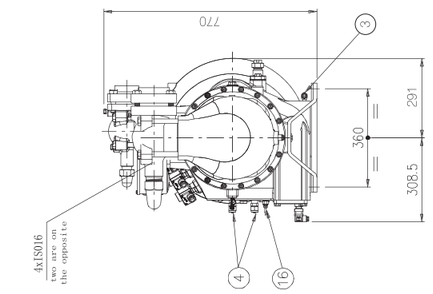
Tc = Condensing temperature [°C, DEW] - Liquid subcooling 5K - Suction gas superheat 10K / 1K;

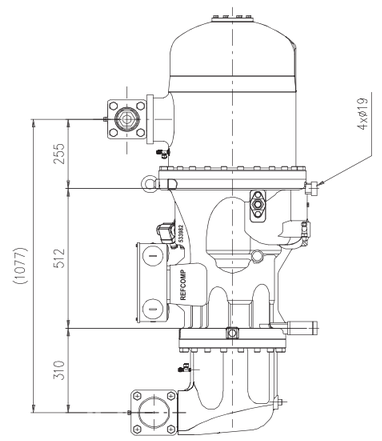
For produet improvement,the performance paranmefer refer to the latest software selection of refcomp.





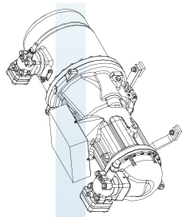


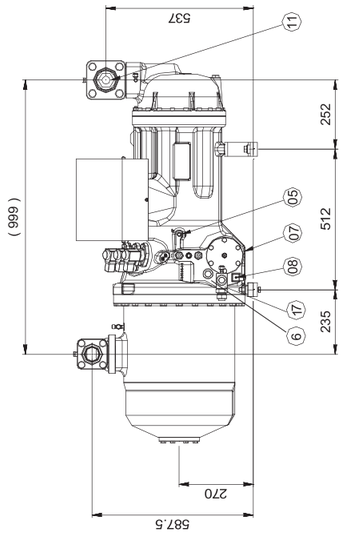


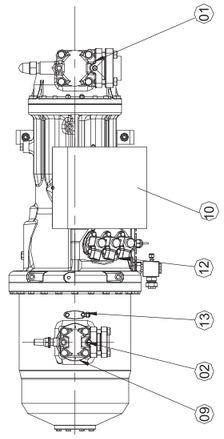


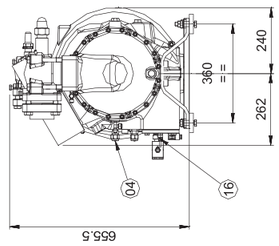
KEY

1. Suction shut-off valve (optional)
2. Exhaust gas shut-off valve
3. Oiling / oil drain valve 3/8" SAE-FLARE
4. Oil cooler conector 5/8" SAE-FLARE
5. Hydraulic fittings 1/4" SAE-FLARE
6. Mirror to inspect the oil level
7. Oil filter
8. Oil heater
9. Check valve
10. Juction box
11. Low pressure connector 1/4" SAE-FLARE
12. Cooling capacity regulating solenoid valve
13. High pressure connector 1/4" SAE-FLARE
14. Low pressure side discharge port
15. Spray liquid interface Φ10/Economic machine interface Φ28 (optional acessories)
16. Oil temperature sensor 1/8" NPT
17. Oil valve switch (optional)

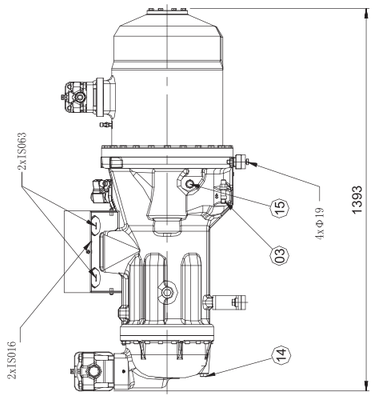








Innerdiameter of the suction valve interface		
Compressor standard configuration	Inner diameter of the exhaust valve interface	
80.0(3-1/8")	54.1(2-1/8")	134-S-071/081
92.5(3-5/8")	54.1(2-1/8")	134-S-091
92.5(3-5/8")	67.0(2-5/8")	134-S-101



KEY
1. Suction shut-off valve (optional)
2. Exhaust gas shut-off valve
3. Oiling / oil drain valve 3/8" SAE-FLARE
4. Oil cooler conneetor 5/8" SAE-FLARE
5. Hydraulic fittings 1/4" SAE-FLARE
6. Mirror to inspect the oil level
7. Oil filter
8. Oil heater
9. Check valve
10. Juction box
11. Low pressure connector 1/4" SAE-FLARE
12. Cooling capacity regulating solenoid valve
13. High pressure connector 1/4" SAE-FLARE
14. Low pressure side discharge port
15. Spray liquid interface Φ10/Economic macchine interface Φ22 (optional accsories)
16. Oil temperature sensor 1/8" NPT
17. Oil valve switch (optional)

RefComp

PERFORMANCES SRC-S

	SRC-S(W),Refrigerant R22					
	Te=2[°C]; Tc=40[°C]			Te=5[°C]; Tc=38[°C]		
MODEL	Q0 [kW]	Pa [kW]	COP	Q0 [kW]	Pa [kW]	COP
SRC-XS-040	–	–	–	–	–	–
SRC-XS-050	–	–	–	–	–	–
SRC-XS-060	–	–	–	–	–	–
SRC-S(W)-113	127,2	30,7	4,14	146,8	29,1	5,04
SRC-S(W)-133	145,4	35,4	4,11	167,9	33,5	5,01
SRC-S(W)-163	157,3	38,2	4,12	181,6	36,2	5,02
SRC-S(W)-183	191,2	45,7	4,18	220,8	43,3	5,10
SRC-S(W)-213	212,7	50,3	4,23	245,6	47,7	5,15
SRC-S(W)-255	256,4	60,6	4,23	296,1	57,4	5,16
SRC-S(W)-285	285,4	67,5	4,23	329,5	63,9	5,16
SRC-S(W)-305	304,2	72,1	4,22	351,2	68,3	5,14
SRC-S(W)-353	357,2	83,6	4,27	412,4	79,2	5,21
SRC-S(W)-413	401,8	93,2	4,31	464,0	88,3	5,25
SRC-S(W)-463	450,8	104,4	4,32	520,5	99,0	5,26
SRC-S(W)-503	506,7	117,4	4,32	585,0	111,2	5,26
SRC-S(W)-553	558,7	129,4	4,32	645,1	122,7	5,26
SRC-S(W)-603	616,8	143	4,31	712,1	135,5	5,26
SRC-S(W)-755	708,3	167,2	4,24	833,9	153,2	5,44
SRC-S(W)-785	853,2	198,4	4,3	985,1	188,1	5,24
SRC-S(W)-885	964,4	224,5	4,3	1113,5	212,8	5,23
SRC-S(W)-985	1076	248,8	4,32	1242,4	235,7	5,27

	SRC-S/XS,Refrigerant R22					
	Te=2[°C]; Tc=40[°C]			Te=2[°C]; Tc=50[°C]		
MODEL	Q0 [kW]	Pa [kW]	COP	Q0 [kW]	Pa [kW]	COP
SRC-XS-040	113,8	28,7	3,97	95,7	35,5	2,7
SRC-XS-050	144,6	35,7	4,05	121,6	44,2	2,75
SRC-XS-060	158,7	37,6	4,22	137,8	45,6	3,02
SRC-S-113	113,8	28,7	3,97	95,7	35,5	2,7
SRC-S-133	144,6	35,7	4,05	121,6	44,2	2,75
SRC-S-163	158,7	37,6	4,22	137,8	45,6	3,02
SRC-S-183	184	43,7	4,21	159,8	52,9	3,02
SRC-S-213	212,8	50	4,26	184,7	60,5	3,05
SRC-S-255	261,6	60,3	4,34	227,1	73,1	3,11
SRC-S-285	291,1	67	4,34	252,7	81,1	3,12
SRC-S-305	315,1	72,6	4,34	273,5	88	3,11
SRC-S-353	375,3	85,4	4,39	325,8	103,5	3,15
SRC-S-413	419,4	94,6	4,43	364,0	114,6	3,18
SRC-S-463	463,5	105,7	4,39	410,6	128,7	3,19
SRC-S-503	510,8	116,5	4,38	452,5	141,8	3,19
SRC-S-553	545,3	124,4	4,38	483,1	151,4	3,19
SRC-S-603	647,9	155,3	4,17	577	184,2	3,13
SRC-S-755	744,4	180,2	4,13	638,9	223,2	2,86
SRC-S-785	896,7	212,8	4,21	798,5	252,3	3,16
SRC-S-885	1012,5	240,3	4,21	901,7	284,9	3,16
SRC-S-985	1130,5	268,3	4,21	1006,8	318,1	3,17

KEY / LEGENDA

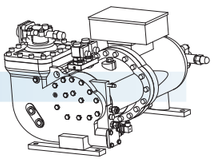
Q0 = Cooling Capacity [kW] - Pa = Input Power [kW] - Te = Evaporating temperature [°C, DEW]

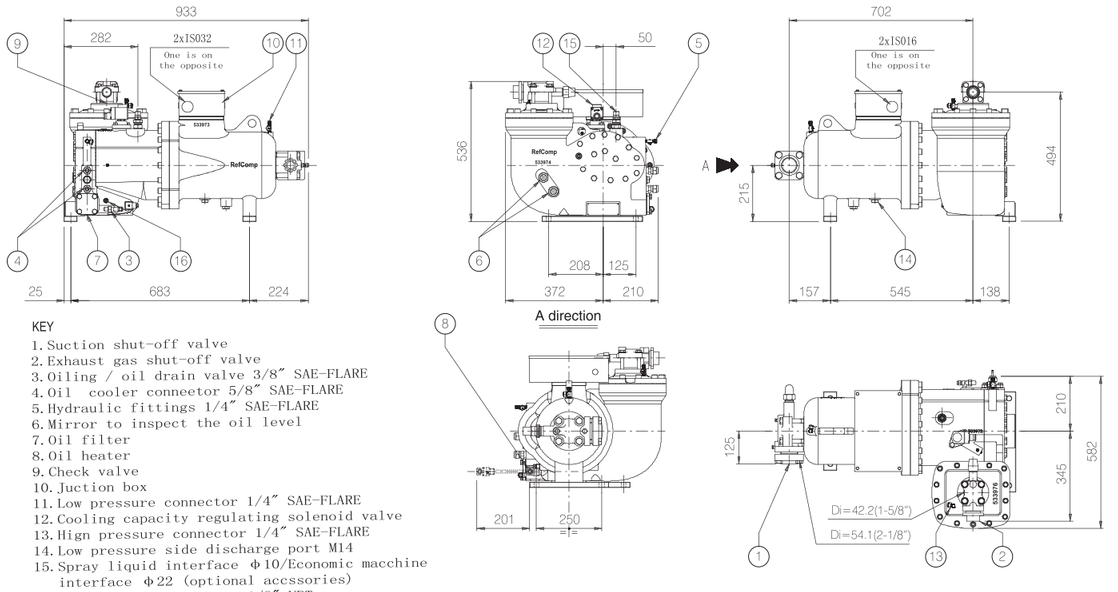
Tc = Condensing temperature [°C, DEW] - Liquid subcooling 5K - Suction gas superheat 10K / 1K;

For produet improvement,the performance paranmefer refer to the latest software selection of refcomp.

RefComp

134-XS-040

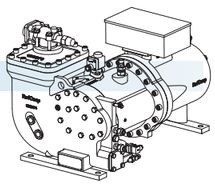


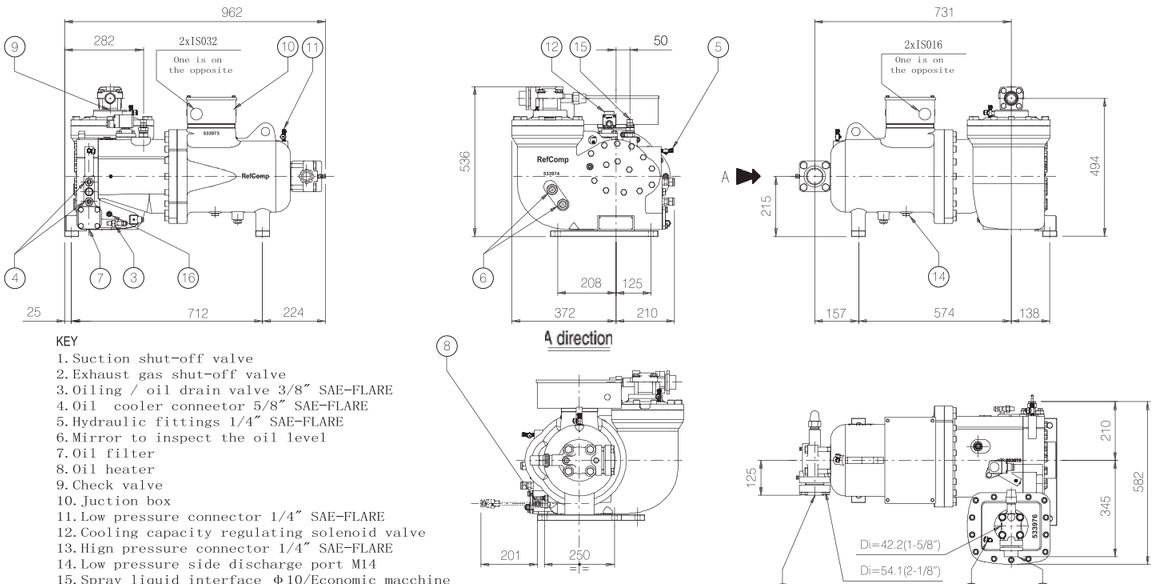


KEY

1. Suction shut-off valve
2. Exhaust gas shut-off valve
3. Oiling / oil drain valve 3/8″ SAE-FLARE
4. Oil cooler conneetor 5/8″ SAE-FLARE
5. Hydraulic fittings 1/4″ SAE-FLARE
6. Mirror to inspect the oil level
7. Oil filter
8. Oil heater
9. Check valve
10. Juction box
11. Low pressure connector 1/4″ SAE-FLARE
12. Cooling capacity regulating solenoid valve
13. Hign pressure connector 1/4″ SAE-FLARE
14. Low pressure side discharge port M14
15. Spray liquid interface Φ10/Economic macchine interface Φ22 (optional accssories)
16. Oil temperature sensor 1/8″ NPT

134-XS-050_060





KEY

1. Suction shut-off valve
2. Exhaust gas shut-off valve
3. Oiling / oil drain valve 3/8″ SAE-FLARE
4. Oil cooler conneetor 5/8″ SAE-FLARE
5. Hydraulic fittings 1/4″ SAE-FLARE
6. Mirror to inspect the oil level
7. Oil filter
8. Oil heater
9. Check valve
10. Juction box
11. Low pressure connector 1/4″ SAE-FLARE
12. Cooling capacity regulating solenoid valve
13. Hign pressure connector 1/4″ SAE-FLARE
14. Low pressure side discharge port M14
15. Spray liquid interface Φ10/Economic macchine interface Φ22 (optional accssories)
16. Oil temperature sensor 1/8″ NPT