



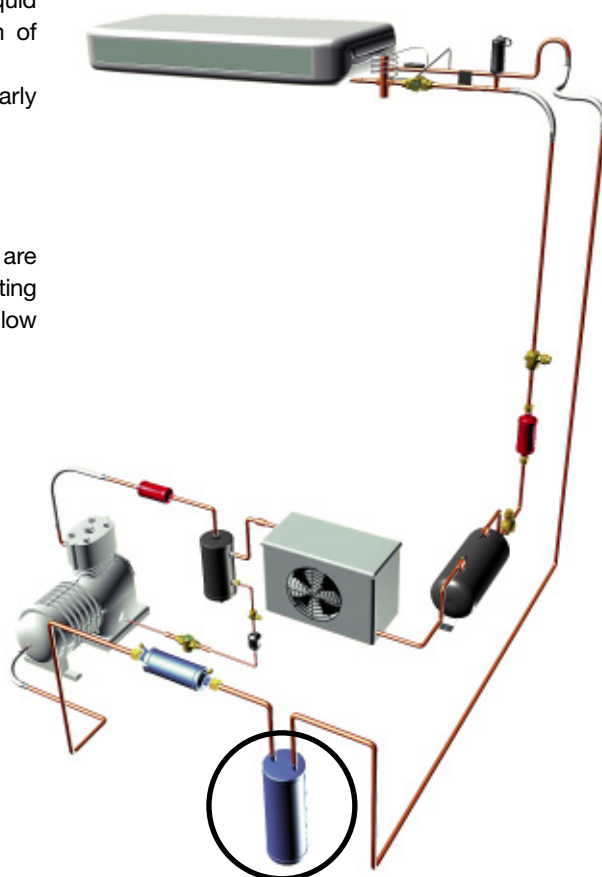
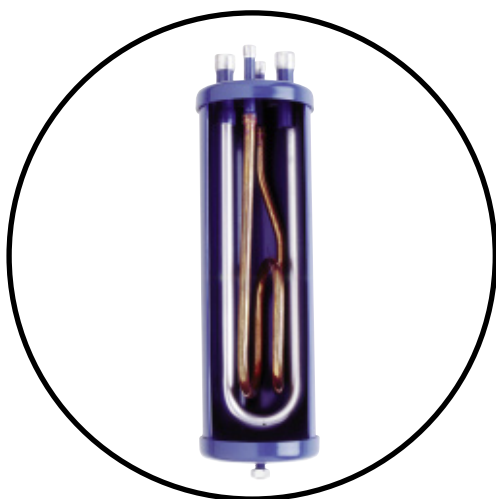
Suction line accumulators

→ **LCY** (without heat exchanger) / **LCYE** (with heat exchanger)

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■ Applications

- Elimination of risks linked to the return of refrigerant in its liquid phase and to the massive oil intake at compressor suction of refrigerating and air conditioning installations.
- The suction line accumulators LCY and LCYE are particularly recommended for installations that are:
 - exposed to sudden thermal load variations
 - whose piping lengths are important
 - operating with cycle inversions.
- The LCYE suction accumulators with heat exchanger are particularly recommended for installations with a low overheating of refrigerant vapours at compressor suction (liquid coolant, low temperature display cabinets, vehicle refrigerating, etc ...).



■ Functional features

- Products are compatible with HFCs, HCFCs, CFCs, as well as with their associated oils and additives. Products are designed for use of non-hazardous refrigerants from group 2 of PED 97/23/EC
- Product classification in CE categories is performed using the PED 97/23/EC table, corresponding to a volume-based selection.
- LCY and LCYE suction line accumulators are designed to ensure optimal separation between the vapour phase and the liquid phase of the refrigerant; only the vapour phase is aspirated by the compressor.
- Reduction of the low pressure circuit vibrations.

■ CARLY advantages

- The pressure drops are low and never go over 0.3°C.
- The heat exchanger allows the increase of the refrigerant's refrigerating effect, by high pressure liquid sub-refrigerating, upstream of the pressure relief valve; it therefore prevents the risks of gas presence at the intake of the pressure relief valve.
- A hole on the lower part of the inner rod ensures liquid expansion and return to the compressor of the oil that could be trapped inside the suction line accumulator.
- A hole on the upper part of the rod is used for safety, in case of excess liquid in the accumulator.
- From models LCY 1517 S/MMS and LCYE 1513 S/MMS, presence of a connection on the low part for a return of oil by gravity.
- A very large range of suction line accumulators is available, from 0.9 to 70 litres.
- GOST certified products.



Suction line accumulators

→ LCY (without heat exchanger) / LCYE (with heat exchanger)

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■ Recommendations

- * The capacity of the selected accumulator in kg of refrigerant must be higher than 50% of the installation's total refrigerant load.
- * Mounting should be exclusively performed in vertical position, as close as possible to the compressor and at the same height.
- * In order to prevent suction line accumulator icing, CARLY recommends to heat insulate them.
- * For optimal operation, the refrigerant flow speed in the suction line accumulators rods should be between 8 and 12 m/s; for lower speed values, the oil return to the compressor is unsure.
- * The LCYE suction line accumulators' heat exchanger should be connected in series with the liquid line, between the installation's receiver and pressure relief valve.
- * General assembly precautions: refer to chapter 115.

■ SELECTION OF A SUCTION LINE ACCUMULATOR LCY / LCYE

TO SELECT A CARLY (LCY/LCYE) SUCTION LINE ACCUMULATOR:

- 1 • The capacity of the installation should not be higher than the maximum acceptable capacity of the selected accumulator.
- 2 • The oil return is ensured when the capacity of the installation is not lower than the minimum acceptable capacity of the selected accumulator.

* LCY/LCYE MODEL SELECTION USING THE INSTALLATION'S REFRIGERATING CAPACITY

- "MAXIMUM refrigerating capacity" selection curves, according to the refrigerant used (refer to pages 33.4 and 33.5)

Carry forward on the curve the installation's refrigerating capacity and the evaporation temperature: if the operating point is between 2 curves: take the higher curve.

- "MINIMUM refrigerating capacity" selection curves, according to the refrigerant used (refer to pages 33.4 and 33.5)

Carry forward on the curve the installation's refrigerating capacity and the evaporation temperature: the operating point should be above the curve of the accumulator selected. If this is not the case, choose a smaller accumulator.

* LCY/LCYE VOLUME SELECTION USING THE INSTALLATION'S REFRIGERANT LOAD

- Selection tables (refer to pages 33.6 and 33.9)

The capacity of the selected accumulator in kg of refrigerant at 30°C must be higher than half the installation's total refrigerant load.



Suction line accumulators

→ LCY (without heat exchanger) / LCYE (with heat exchanger)

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■ Example of selection of a LCY suction line accumulator without heat exchanger

The sizing of a product implies for the buyer to take into account the conditions under which the product will be used (temperature - pressure - refrigerant - oil - external environment). The values of the selection tables proposed in the CARLY catalogue match accurate test conditions.

- Installation operating with R404A under the following conditions⁽¹⁾:
 - $T_0 = -10^{\circ}\text{C}$
 - $T_k = 30^{\circ}\text{C}$
 - $Q_{Ox} = 8 \text{ kW}$
 - Capacity of refrigerant at 30°C of the circuit = 5 kg
 - Suction piping = 7/8"
- Which **LCY** suction line accumulator to choose?

* LCY MODEL SELECTION USING THE INSTALLATION'S REFRIGERATING CAPACITY

- "MAXIMUM refrigerating capacity" selection curves according to the refrigerant used

Selection curves for R 404A (refer to page 33.4)
 $Q_{Ox} = 8 \text{ kW}$
 $T_0 = -10^{\circ}\text{C}$

Result: LCY 27 S or LCY 47 S

- "MINIMUM refrigerating capacity" selection curves according to the refrigerant used

Selection curves for R 404A (refer to page 33.4)
 Range chosen: LCY 27 S or LCY 47 S

Result: Minimum power: 2 kW lower than 8 kW → The selection is correct

* LCY VOLUME SELECTION USING THE INSTALLATION'S REFRIGERANT LOAD

- Selection table (refer to page 33.6)

→ Refrigerant capacity of the refrigerating circuit: 5 kg
 Half the load represents: $7/2 = 2,5 \text{ kg}$
 LCY 27S : 1.8 kg LCY 47 S : 2.6 kg

CARLY references	Connections To solder ODF inch	CARLY references	Connections To solder ODF mm	Capacity of accumulator (kg of refrigerant at 30°C)		
				R22 R407C	R134a	R410A R404A R507
LCY 27 S	7/8	LCY 27 MMS	22	1,7	1,8	1,8
LCY 47 S	7/8	LCY 47 MMS	22	2,5	2,6	2,6

Result : Among the 2 pre-selected references, the **LCY 47 S** accumulator should be selected because its capacity in kg of refrigerant (2.6 kg) is higher than half the installation's total refrigerant load (2.5 kg).

⁽¹⁾ Chapter "Abbreviations and units" (refer to chapter 113).



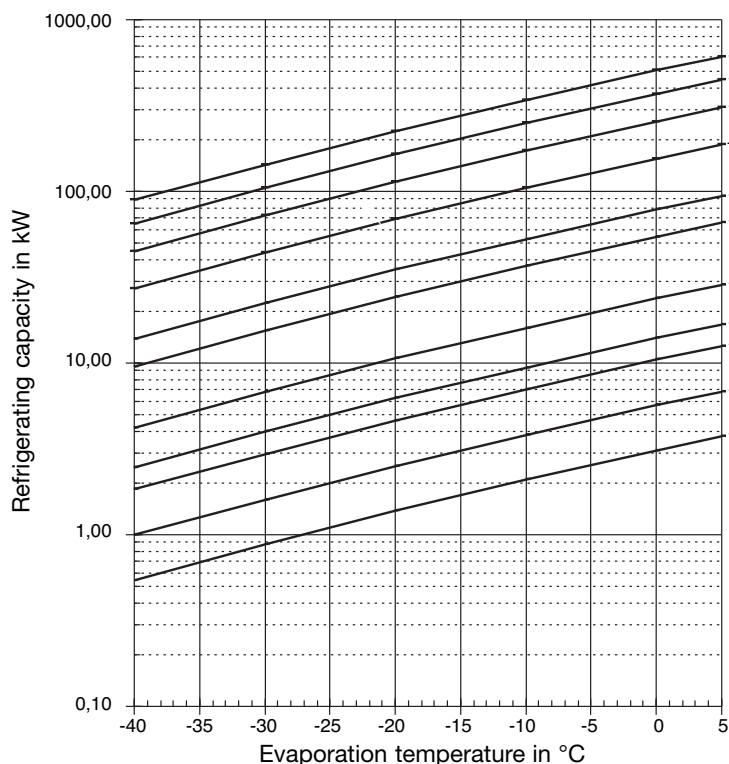
Suction line accumulators

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■ Selection curves for R22 - R404A - R507 - R407C - R410A

• MAXIMAL REFRIGERATING CAPACITY



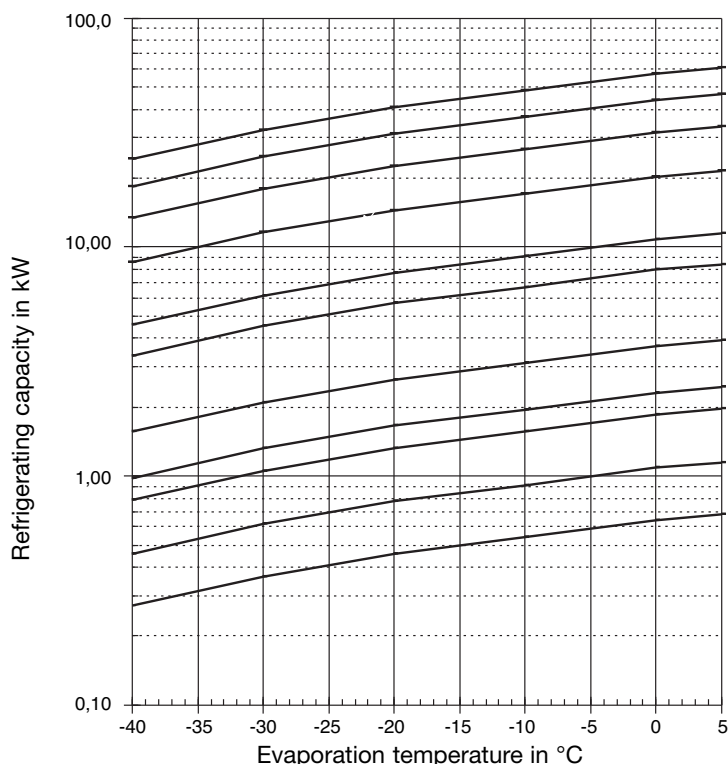
• CARLY REFERENCES

- LCY 7029
- LCY 3625 - LCY 5025 - LCY 7025 - LCYE 3625
- LCY 3621 - LCY 5021 - LCYE 3621
- LCY 1517 - LCY 1817 - LCY 3617 - LCYE 1517
- LCY 813 - LCY 1013 - LCYE 1013
- LCY 611 - LCY 811 - LCY 1011 - LCYE 811
- LCY 49 - LCY 69 - LCY 89 - LCYE 69
- LCY 27 - LCY 47 - LCYE 47
- LCY 16 - LCY 26 - LCYE 26
- LCY 15 - LCY 25 - LCYE 25
- LCY 04 - LCY 14

• CONNECTIONS

inch	mm
3 5/8	88,9
3 1/8	80,0
2 5/8	67,0
2 1/8	54,0
1 5/8	42,0
1 3/8	35,0
1 1/8	28,0
7/8	22,0
3/4	18,0
5/8	16,0
1/2	12,0

• MINIMAL REFRIGERATING CAPACITY



• CARLY REFERENCES

- LCY 7029
- LCY 3625 - LCY 5025 - LCY 7025 - LCYE 3625
- LCY 3621 - LCY 5021 - LCYE 3621
- LCY 1517 - LCY 1817 - LCY 3617 - LCYE 1517
- LCY 813 - LCY 1013 - LCYE 1013
- LCY 611 - LCY 811 - LCY 1011 - LCYE 811
- LCY 49 - LCY 69 - LCY 89 - LCYE 69
- LCY 27 - LCY 47 - LCYE 47
- LCY 16 - LCY 26 - LCYE 26
- LCY 15 - LCY 25 - LCYE 25
- LCY 04 - LCY 14

• CONNECTIONS

inch	mm
3 5/8	88,9
3 1/8	80,0
2 5/8	67,0
2 1/8	54,0
1 5/8	42,0
1 3/8	35,0
1 1/8	28,0
7/8	22,0
3/4	18,0
5/8	16,0
1/2	12,0



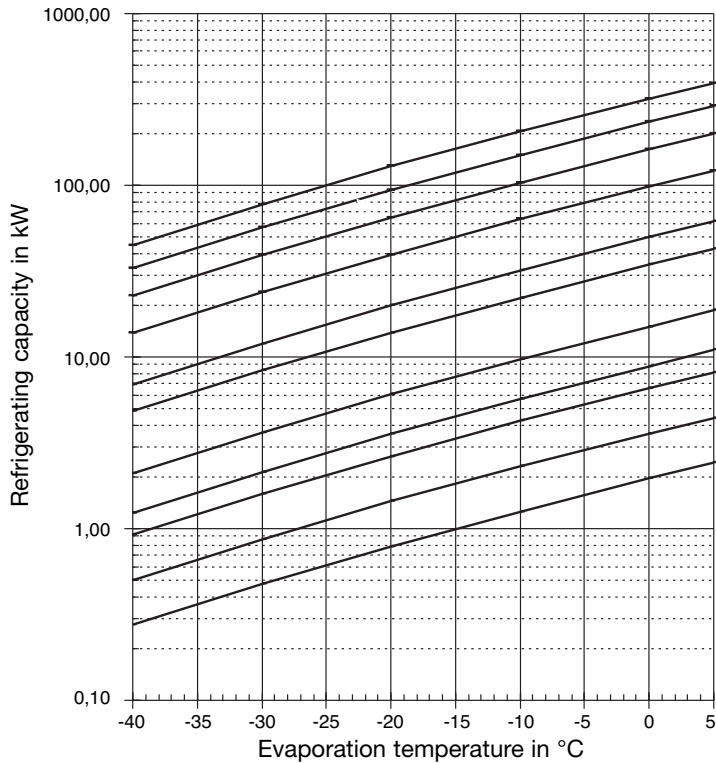
Suction line accumulators

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■ Selection curves for R134a

• MAXIMAL REFRIGERATING CAPACITY



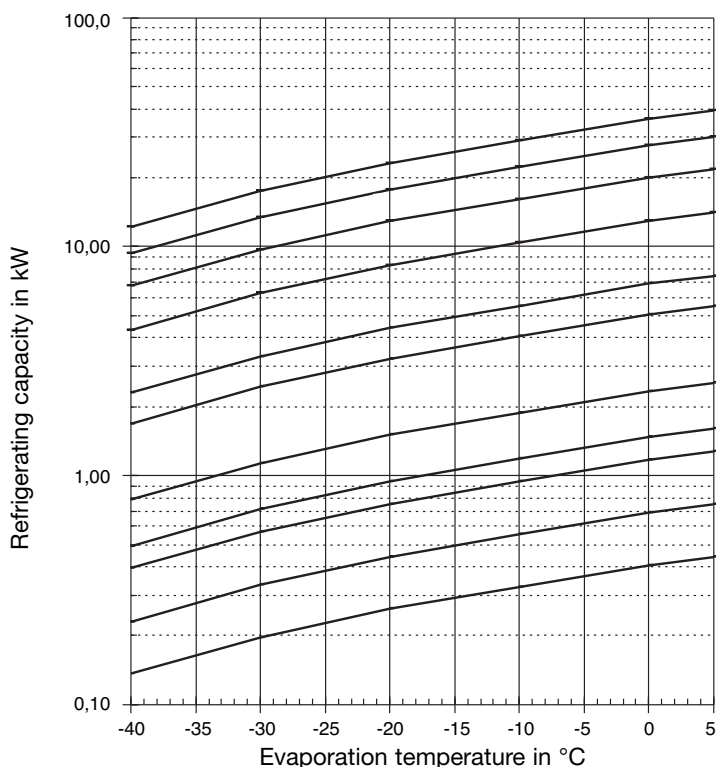
• CARLY REFERENCES

- LCY 7029
- LCY 3625 - LCY 5025 - LCY 7025 - LCYE 3625
- LCY 3621 - LCY 5021 - LCYE 3621
- LCY 1517 - LCY 1817 - LCY 3617 - LCYE 1517
- LCY 813 - LCY 1013 - LCYE 1013
- LCY 611 - LCY 811 - LCY 1011 - LCYE 811
- LCY 49 - LCY 69 - LCY 89 - LCYE 69
- LCY 27 - LCY 47 - LCYE 47
- LCY 16 - LCY 26 - LCYE 26
- LCY 15 - LCY 25 - LCYE 25
- LCY 04 - LCY 14

• CONNECTIONS

	inch	mm
— LCY 7029	3 5/8	88,9
— LCY 3625 - LCY 5025 - LCY 7025 - LCYE 3625	3 1/8	80,0
— LCY 3621 - LCY 5021 - LCYE 3621	2 5/8	67,0
— LCY 1517 - LCY 1817 - LCY 3617 - LCYE 1517	2 1/8	54,0
— LCY 813 - LCY 1013 - LCYE 1013	1 5/8	42,0
— LCY 611 - LCY 811 - LCY 1011 - LCYE 811	1 3/8	35,0
— LCY 49 - LCY 69 - LCY 89 - LCYE 69	1 1/8	28,0
— LCY 27 - LCY 47 - LCYE 47	7/8	22,0
— LCY 16 - LCY 26 - LCYE 26	3/4	18,0
— LCY 15 - LCY 25 - LCYE 25	5/8	16,0
— LCY 04 - LCY 14	1/2	12,0

• MINIMAL REFRIGERATING CAPACITY



• CARLY REFERENCES

- LCY 7029
- LCY 3625 - LCY 5025 - LCY 7025 - LCYE 3625
- LCY 3621 - LCY 5021 - LCYE 3621
- LCY 1517 - LCY 1817 - LCY 3617 - LCYE 1517
- LCY 813 - LCY 1013 - LCYE 1013
- LCY 611 - LCY 811 - LCY 1011 - LCYE 811
- LCY 49 - LCY 69 - LCY 89 - LCYE 69
- LCY 27 - LCY 47 - LCYE 47
- LCY 16 - LCY 26 - LCYE 26
- LCY 15 - LCY 25 - LCYE 25
- LCY 04 - LCY 14

• CONNECTIONS

	inch	mm
— LCY 7029	3 5/8	88,9
— LCY 3625 - LCY 5025 - LCY 7025 - LCYE 3625	3 1/8	80,0
— LCY 3621 - LCY 5021 - LCYE 3621	2 5/8	67,0
— LCY 1517 - LCY 1817 - LCY 3617 - LCYE 1517	2 1/8	54,0
— LCY 813 - LCY 1013 - LCYE 1013	1 5/8	42,0
— LCY 611 - LCY 811 - LCY 1011 - LCYE 811	1 3/8	35,0
— LCY 49 - LCY 69 - LCY 89 - LCYE 69	1 1/8	28,0
— LCY 27 - LCY 47 - LCYE 47	7/8	22,0
— LCY 16 - LCY 26 - LCYE 26	3/4	18,0
— LCY 15 - LCY 25 - LCYE 25	5/8	16,0
— LCY 04 - LCY 14	1/2	12,0



Suction line accumulators

→ **LCY** (without heat exchanger)

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■ Selection table

CARLY references	Connections To solder ODF inch	CARLY references	Connections To solder ODF mm	Capacity of accumulator (kg of refrigerant at 30°C)		
				R22 R407C	R134a	R410A R404A R507
LCY 04 S	1/2	LCY 04 MMS	12,0	0,7	0,7	0,7
LCY 14 S	1/2	LCY 14 MMS	12,0	1,1	1,2	1,2
LCY 15 S/MMS	5/8	LCY 15 S/MMS	16,0	1,1	1,2	1,2
LCY 16 S	3/4	LCY 16 MMS	18,0	1,1	1,2	1,2
LCY 25 S/MMS	5/8	LCY 25 S/MMS	16,0	1,7	1,8	1,8
LCY 26 S	3/4	LCY 26 MMS	18,0	1,7	1,8	1,8
LCY 27 S	7/8	LCY 27 MMS	22,0	1,7	1,8	1,8
LCY 47 S	7/8	LCY 47 MMS	22,0	2,5	2,6	2,6
LCY 49 S	1 1/8	LCY 49 MMS	28,0	3,2	3,2	3,2
LCY 69 S	1 1/8	LCY 69 MMS	28,0	4,8	4,9	4,9
LCY 89 S	1 1/8	LCY 89 MMS	28,0	6,5	6,6	6,6
LCY 611 S/MMS	1 3/8	LCY 611 S/MMS	35,0	4,8	4,9	4,9
LCY 811 S/MMS	1 3/8	LCY 811 S/MMS	35,0	6,5	6,6	6,6
LCY 813 S	1 5/8	LCY 813 MMS	42,0	6,5	6,6	6,6
LCY 1011 S/MMS	1 3/8	LCY 1011 S/MMS	35,0	8,6	8,7	8,7
LCY 1013 S	1 5/8	LCY 1013 MMS	42,0	8,6	8,7	8,7
LCY 1517 S/MMS	2 1/8	LCY 1517 S/MMS	54,0	14,0	14,5	14,5
LCY 1817 S/MMS	2 1/8	LCY 1817 S/MMS	54,0	18,5	19,0	19,0
LCY 3617 S/MMS	2 1/8	LCY 3617 S/MMS	54,0	33,0	33,5	33,5
LCY 3621 S	2 5/8	LCY 3621 MMS	67,0	33,0	33,5	33,5
LCY 3625 S	3 1/8	LCY 3625 MMS	80,0	33,0	33,5	33,5
LCY 5021 S	2 5/8	LCY 5021 MMS	67,0	47,0	47,5	47,5
LCY 5025 S	3 1/8	LCY 5025 MMS	80,0	47,0	47,5	47,5
LCY 7025 S	3 1/8	LCY 7025 MMS	80,0	65,5	67,0	67,0
LCY 7029 S	3 5/8	LCY 7029 MMS	88,9	65,5	67,0	67,0



Suction line accumulators

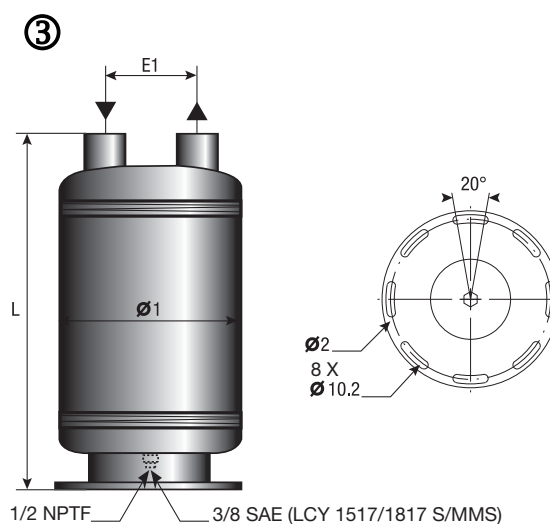
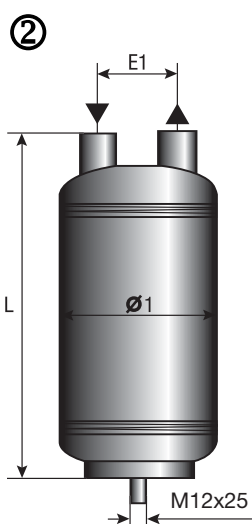
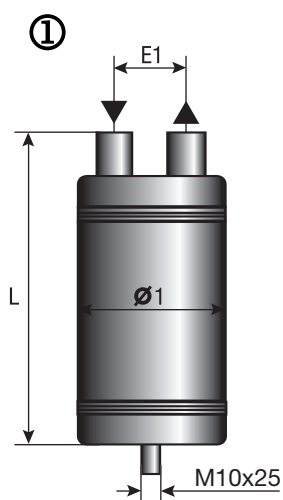
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→ LCY (without heat exchanger)

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■ Technical features

CARLY references		Drawing Nb	Dimensions (mm)				Possible retention volume (L)	Net weight (kg)
			Ø1	L	E1	Ø2		
LCY 04 S	LCY 04 MMS	1	89,0	208,0	50	/	0,09	1,20
LCY 14 S	LCY 14 MMS	1	89,0	299,0	50	/	0,09	1,70
LCY 15 S/MMS		1	89,0	299,0	48	/	0,10	1,80
LCY 16 S	LCY 16 MMS	1	89,0	299,0	37	/	0,12	1,95
LCY 25 S/MMS		1	101,6	363,0	56	/	0,13	3,15
LCY 26 S	LCY 26 MMS	1	101,6	363,0	56	/	0,12	3,20
LCY 27 S	LCY 27 MMS	1	101,6	373,0	56	/	0,14	3,30
LCY 47 S	LCY 47 MMS	1	101,6	487,0	56	/	0,14	4,35
LCY 49 S	LCY 49 MMS	2	121,0	464,5	49	/	0,16	5,60
LCY 69 S	LCY 69 MMS	2	152,4	433,5	76	/	0,21	8,20
LCY 89 S	LCY 89 MMS	2	152,4	533,5	76	/	0,21	9,85
LCY 611 S/MMS		2	152,4	439,0	76	/	0,25	9,10
LCY 811 S/MMS		2	152,4	539,0	76	/	0,25	11,20
LCY 813 S	LCY 813 MMS	2	152,4	539,0	73	/	0,25	11,60
LCY 1011 S/MMS		2	152,4	647,0	76	/	0,25	13,65
LCY 1013 S	LCY 1013 MMS	2	152,4	647,0	73	/	0,25	14,25
LCY 1517 S/MMS		3	219,1	631,5	114	190	0,48	20,35
LCY 1817 S/MMS		3	219,1	781,5	114	190	0,48	25,20
LCY 3617 S/MMS		3	323,9	727,0	155	290	1,60	41,40
LCY 3621 S	LCY 3621 MMS	3	323,9	727,0	155	290	1,80	45,70
LCY 3625 S	LCY 3625 MMS	3	323,9	727,0	155	290	2,10	47,35
LCY 5021 S	LCY 5021 MMS	3	323,9	927,0	155	290	1,80	57,10
LCY 5025 S	LCY 5025 MMS	3	323,9	927,0	155	290	2,10	59,10
LCY 7025 S	LCY 7025 MMS	3	323,9	1177,0	155	290	2,10	75,00
LCY 7029 S	LCY 7029 MMS	3	323,9	1177,0	155	290	2,30	79,00





Suction line accumulators

→ **LCY** (without heat exchanger)

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■ Technical features

CARLY references		Volume	Maximal working pressure	Working pressure ⁽¹⁾	Maximal working temperature	Minimal working temperature	Working temperature ⁽¹⁾	CE Category ⁽²⁾
LCY 04 S	LCY 04 MMS	0,90	42	10	80	-40	-20	Art 3§3
LCY 14 S	LCY 14 MMS	1,50	42	10	80	-40	-20	I
LCY 15 S/MMS		1,50	42	10	80	-40	-20	I
LCY 16 S	LCY 16 MMS	1,50	42	10	80	-40	-20	I
LCY 25 S/MMS		2,20	20	10	80	-40	-20	Art 3§3
LCY 26 S	LCY 26 MMS	2,20	20	10	80	-40	-20	Art 3§3
LCY 27 S	LCY 27 MMS	2,20	28	10	80	-40	-20	I
LCY 47 S	LCY 47 MMS	3,20	20	10	80	-40	-20	I
LCY 49 S	LCY 49 MMS	4,20	30	10	80	-40	-20	I
LCY 69 S	LCY 69 MMS	5,80	20	10	80	-40	-20	I
LCY 89 S	LCY 89 MMS	7,40	20	10	80	-40	-20	I
LCY 611 S/MMS		5,80	20	10	80	-40	-20	I
LCY 811 S/MMS		7,47	20	10	80	-40	-20	I
LCY 813 S	LCY 813 MMS	7,51	20	10	80	-40	-20	I
LCY 1011 S/MMS		9,27	20	10	80	-40	-20	I
LCY 1013 S	LCY 1013 MMS	9,30	20	10	80	-40	-20	I
LCY 1517 S/MMS		15,20	20	10	80	-40	-20	II
LCY 1817 S/MMS		20,20	20	10	80	-40	-20	II
LCY 3617 S/MMS		35,39	20	10	80	-40	-20	II
LCY 3621 S	LCY 3621 MMS	35,61	20	10	80	-40	-20	II
LCY 3625 S	LCY 3625 MMS	35,89	20	10	80	-40	-20	II
LCY 5021 S	LCY 5021 MMS	50,61	20	10	80	-40	-20	III
LCY 5025 S	LCY 5025 MMS	50,89	20	10	80	-40	-20	III
LCY 7025 S	LCY 7025 MMS	70,89	20	10	80	-40	-20	III
LCY 7029 S	LCY 7029 MMS	71,15	20	10	80	-40	-20	III

⁽¹⁾ The working pressure is limited to the PS BT value when working temperature is lower than or equal to TS BT value.

⁽²⁾ Classification by volume, according to PED 97/23/EC (refer to chapter 0 page 7).



Suction line accumulators

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→ LCYE (with heat exchanger)

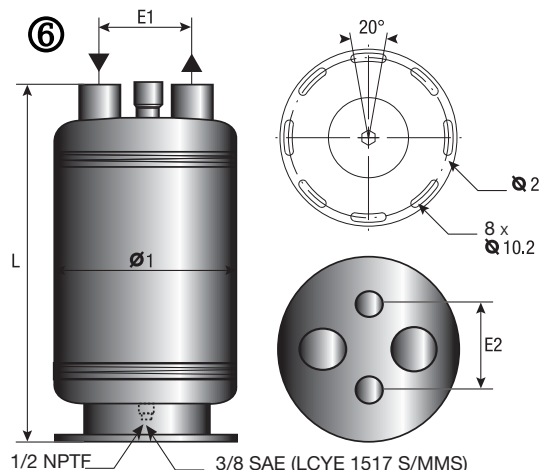
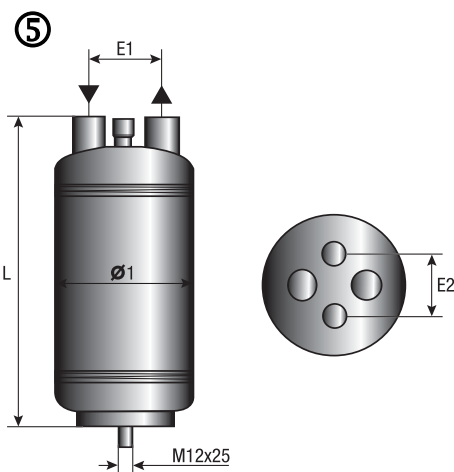
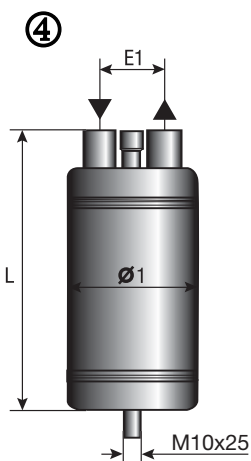
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■ Selection table

CARLY references	Connections To solder ODF inch	Heat exchangers connections to solder ODF inch	CARLY references	Connections To solder ODF mm	Heat exchangers connections to solder ODF mm	Capacity of accumulator (kg of refrigerant at 30°C)		
						R22 R407C	R134A	R410A R404A R507
LCYE 25 S	5/8	3/8	LCYE 25 MMS	16	10	1,7	1,8	1,8
LCYE 26 S	3/4	3/8	LCYE 26 MMS	18	10	1,7	1,8	1,8
LCYE 47 S	7/8	1/2	LCYE 47 MMS	22	12	2,5	2,6	2,6
LCYE 69 S	1 1/8	5/8	LCYE 69 MMS	28	16	4,8	4,9	4,9
LCYE 811 S/MMS	1 3/8	5/8	LCYE 811 S/MMS	35	16	6,5	6,6	6,6
LCYE 1013 S	1 5/8	3/4	LCYE 1013 MMS	42	18	8,6	8,7	8,7
LCYE 1517 S	2 1/8	7/8	LCYE 1517 MMS	54	22	14,0	14,5	14,5
LCYE 3621 S	2 5/8	1 1/8	LCYE 3621 MMS	67	28	33,0	33,5	33,5
LCYE 3625 S	3 1/8	1 3/8	LCYE 3625 MMS	80	35	33,0	33,5	33,5

■ Technical features

CARLY references	Drawing Nb	Dimensions (mm)					Possible retention volume (L)	Net weight (kg)	
		Ø1	L	E1	E2	Ø2			
LCYE 25 S	LCYE 25 MMS	4	101,6	362	56	60	/	0,13	3,45
LCYE 26 S	LCYE 26 MMS	4	101,6	362	56	60	/	0,12	3,60
LCYE 47 S	LCYE 47 MMS	4	101,6	487	56	70	/	0,14	4,45
LCYE 69 S	LCYE 69 MMS	5	152,4	433	76	96	/	0,21	8,70
LCYE 811 S/MMS	LCYE 811 S/MMS	5	152,4	554	76	96	/	0,25	12,40
LCYE 1013 S	LCYE 1013 MMS	5	152,4	647	73	96	/	0,25	15,15
LCYE 1517 S	LCYE 1517 MMS	6	219,1	631	114	141	190	0,48	21,85
LCYE 3621 S	LCYE 3621 MMS	6	323,9	727	155	180	290	1,80	47,50
LCYE 3625 S	LCYE 3625 MMS	6	323,9	727	155	180	290	2,10	52,00





Suction line accumulators

→ LCYE (with heat exchanger)

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■ Technical features

CARLY references		Volume	Maximal working pressure	Working pressure ⁽¹⁾	Maximal working temperature	Minimal working temperature	Working temperature ⁽¹⁾	CE Category ⁽²⁾
LCYE 25 S	LCYE 25 MMS	2,30	43	10	80	-40	-20	I
LCYE 26 S	LCYE 26 MMS	2,30	43	10	80	-40	-20	I
LCYE 47 S	LCYE 47 MMS	3,20	43	10	80	-40	-20	I
LCYE 69 S	LCYE 69 MMS	5,80	20	10	80	-40	-20	I
LCYE 811 S/MMS	LCYE 811 S/MMS	7,50	20	10	80	-40	-20	I
LCYE 1013 S	LCYE 1013 MMS	9,30	20	10	80	-40	-20	I
LCYE 1517 S	LCYE 1517 MMS	15,20	20	10	80	-40	-20	II
LCYE 3621 S	LCYE 3621 MMS	35,61	20	10	80	-40	-20	II
LCYE 3625 S	LCYE 3625 MMS	35,00	20	10	80	-40	-20	II

⁽¹⁾ The working pressure is limited to the PS BT value when working temperature is lower than or equal to TS BT value.

⁽²⁾ Classification by volume, according to PED 97/23/EC (refer to chapter 0 page 7).

→ LCY / LCYE

■ Weights and packaging

CARLY references	Unit weight (kg)		Packaging unit	
	With packaging	Without packaging	standard	OEM'S
LCY 04 S & MMS	1,28	1,20	6	24
LCY 14 S & MMS	1,78	1,70	6	/
LCY 15 S/MMS	1,85	1,75	6	/
LCY 16 S & MMS	2,03	1,95	6	15
LCY 25 S/MMS	3,55	3,15	1	8
LCY 26 S & MMS	3,60	3,20	1	/
LCY 27 S & MMS	3,70	3,30	1	8
LCY 47 S & MMS	3,40	3,15	1	4
LCY 49 S & MMS	6,00	5,60	1	/
LCY 69 S & MMS	7,55	7,25	1	/
LCY 89 S & MMS	10,20	9,85	1	/
LCY 611 S/MMS	9,45	9,10	1	/
LCY 811 S/MMS	10,60	10,40	1	/
LCY 813 S & MMS	11,95	11,60	1	/
LCY 1011 S/MMS	14,25	13,65	1	/
LCY 1013 S & MMS	14,85	14,25	1	/
LCY 1517 S/MMS	20,85	20,35	1	/

CARLY references	Unit weight (kg)		Packaging unit	
	With packaging	Without packaging	standard	OEM'S
LCY 1817 S/MMS	25,70	25,20	1	/
LCY 3617 S/MMS	42,80	41,40	1	/
LCY 3621 S & MMS	47,10	45,70	1	/
LCY 3625 S & MMS	48,75	47,35	1	/
LCY 5021 S & MMS	58,50	57,10	1	/
LCY 5025 S & MMS	60,50	59,10	1	/
LCY 7025 S & MMS	76,40	75,00	1	/
LCY 7029 S & MMS	80,40	79,00	1	/
LCYE 25 S & MMS	3,85	3,45	1	/
LCYE 26 S & MMS	4,00	3,60	1	/
LCYE 47 S & MMS	4,85	4,45	1	/
LCYE 69 S & MMS	7,55	7,25	1	/
LCYE 811 S/MMS	10,60	10,40	1	/
LCYE 1013 S & MMS	15,75	15,15	1	/
LCYE 1517 S & MMS	22,35	21,85	1	/
LCYE 3621 S & MMS	48,90	47,50	1	/
LCYE 3625 S & MMS	53,40	52,00	1	/