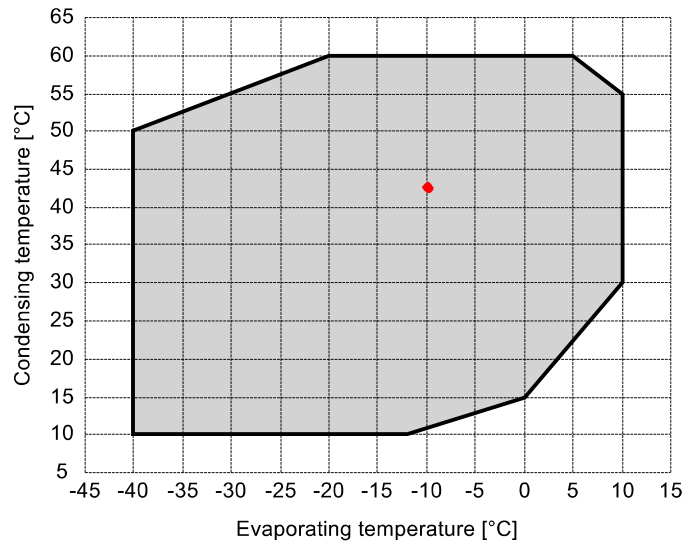


Input data

Refrigerant	R449A	
Reference temperature	Dew point temperature	
Calculation mode	Refrigeration / Air Cond.	
Operating mode	Subcritical	
Power supply	400/3/50	
Ambient temperature	°C	32
Liquid subcooling	K	3
Liquid temperature	°C	35,01
Evaporating temperature	°C	-10
Evaporating pressure	bar	3,61
Suction gas superheating	K	10
Useful fraction of superheating	%	100



Output data

Compressor :	LB2-Q521-0Y-2T	
Number of compressors :	FSx1	
Refrigerating capacity	kW	10,698
Condensing temperature (dew point)	°C	42,38
Evaporator capacity	kW	10,698
Power input (with fan)	W	4854
Condenser capacity, theor.	kW	14,922
Current	A	7,93
COP/EER (with fan)	W/W	2,2
Mass flow	kg/h	256
Operating frequency	Hz	50
Connection	-	DOL-STAR
Operating mode	-	100%
Discharge temperature	°C	82,55
Ratio (%)	%	100,0%
Note	-	
Oil flow	l/min	-
Heat Exchanged (oil Cooler)	kW	-
Oil Temp. at Oil Cooler Outlet	°C	-
Certified by	-	Frascold

Compliant with EU Ecodesign Directive 2009/125/EC - Regulation EU 2015/1095, at medium temperature (-10 °C).

This unit can't be used with this refrigerant at low temperature (-35 °C) in EU Countries.

Certified by:

- Frascold Data



Legend:

- *ref: At conditions according to EN12900
- Suction gas temperature = 20 °C
- Liquid subcooling = 0 K

All data subject to change without notice

Model: LB2-Q521-0Y-2T

Refrigerant: R449A

Power supply: 400/3/50 DOL-STAR

Technical data:

Compressor

Compressor	Q5-21.1Y
Displacement	21,18 m³/h
Nominal compressor speed	1450 rpm
Motor voltage	400 V
Nominal operating frequency	50 Hz
Maximum allowed operating current (MRA)	11,6 A
Locked rotor current (LRA)	63,1 A
Number of pistons	4
Net weight	79 kg
Lubricant	FRASCOLD POE32
Oil charge	1,6 l
Maximum static pressure LP	20,5 bar
Maximum operating pressure HP	30 bar

Condenser

Volume	4,85 l
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Fan motor

Number	2
Air flow	11400 m³/h
Power supply	230 - 400/3/50
Max power input (x1)	315 W
Max Current (x1) @400V	0,65 A
Max Current (x1) @230V	1,13 A

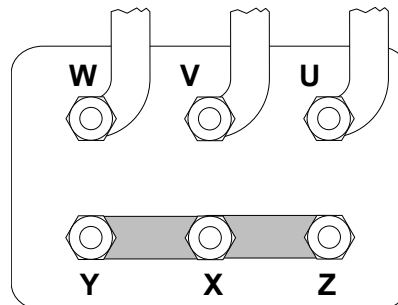
Liquid receiver

Code	USLR06-M
Volume	5,7 l

Net weight

STANDARD	168 kg
with housing	212 kg

Motor connections:



All data subject to change without notice