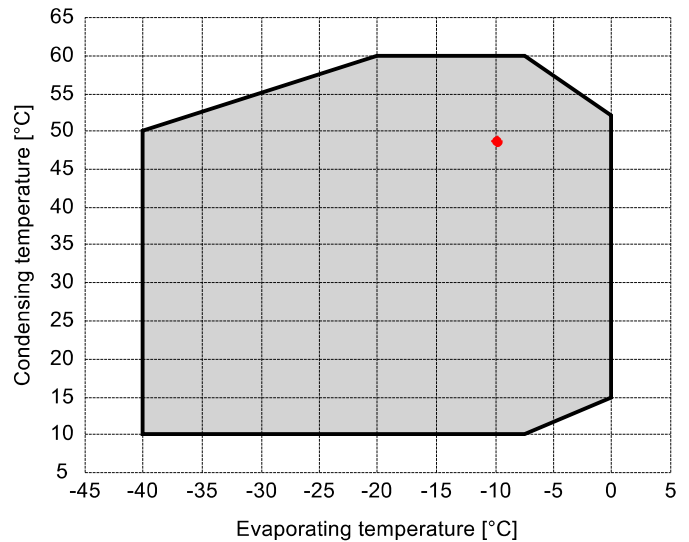


### Input data

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	41,54
Evaporating temperature	°C	-10
Evaporating pressure	bar	3,61
Suction gas superheating	K	10
Useful fraction of superheating	%	100



### Output data

<b>Compressor :</b>	<b>LB2-D318-0Y-2M</b>	
Number of compressors :	FSx1	
Refrigerating capacity	kW	8,29
Condensing temperature (dew point)	°C	48,67
Evaporator capacity	kW	8,29
Power input (with fan)	W	4040
Condenser capacity, theor.	kW	12,199
Current	A	7,58
COP/EER (with fan)	W/W	2,05
Mass flow	kg/h	214
Operating frequency	Hz	50
Connection	-	DOL-STAR
Operating mode	-	100%
Discharge temperature	°C	91,7
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.

### 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-D318-0Y-2M**

Refrigerant: R449A

Power supply: 400/3/50 DOL-STAR

**Technical data:**

**Compressor**

Compressor	D3-18.1Y
Displacement	17,93 m³/h
Nominal compressor speed	1450 rpm
Motor voltage	400 V
Nominal operating frequency	50 Hz
Maximum allowed operating current (MRA)	10 A
Locked rotor current (LRA)	43,7 A
Number of pistons	2
Net weight	55 kg
Lubricant	FRASCOLD POE32
Oil charge	1,2 l
Maximum static pressure LP	20,5 bar
Maximum operating pressure HP	30 bar

**Condenser**

Volume	1,6 l
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**Fan motor**

Number	2
Air flow	3432 m³/h
Power supply	230/1/50
Max power input (x1)	65 W
Max Current (x1)	0,3 A

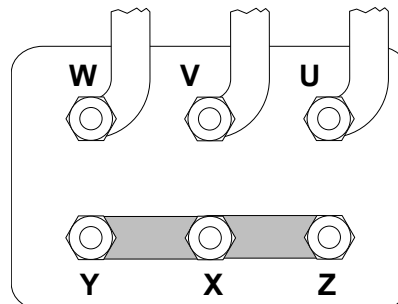
**Liquid receiver**

Code	USLR03-M
Volume	2,2 l

**Net weight**

STANDARD	107 kg
with housing	139 kg

**Motor connections:**



All data subject to change without notice