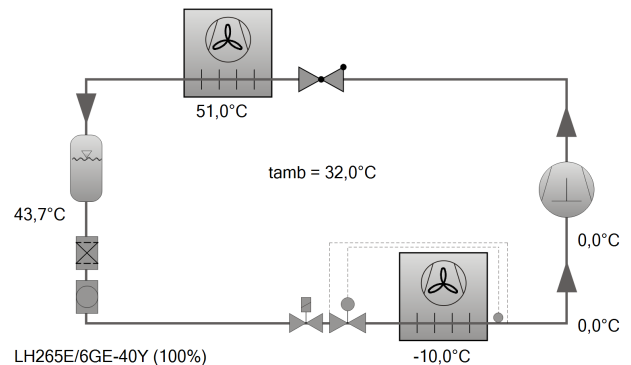




Selection: Condensing Units

Input Values

Unit type	LH265E/6GE-40Y
Series	High ambient
Refrigerant	R449A
Reference temperature	Dew point temp.
Evaporating SST	-10,00 °C
Ambient temp.	32,0 °C
Suct. gas superheat	10,00 K
Useful superheat	100%
Operating mode	Auto
Power supply	400V-3-50Hz
Capacity control	100%

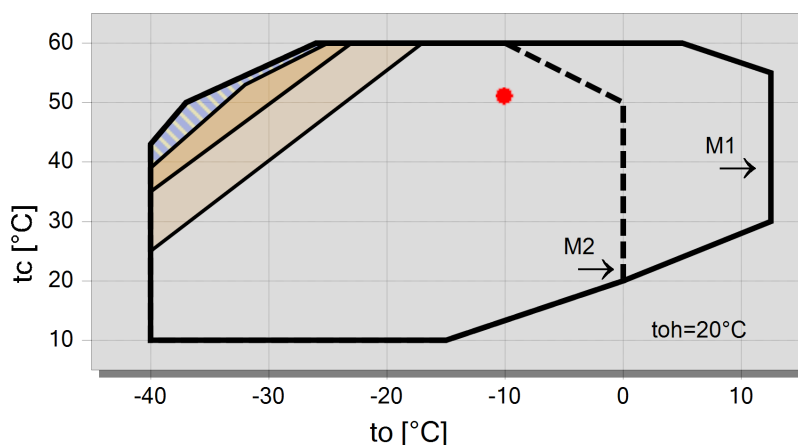


Result

Unit type	LH265E/6GE-40Y-40P
Capacity steps	100%
Cooling capacity	53,5 kW
Evaporator capacity	53,5 kW
Power input	28,1 kW
Current (400V)	50,4 A
Voltage range	380-420V
Mass flow	1426 kg/h
Condensing SDT	51,0 °C
Liquid subcooling	3,00 K
Operating mode	Standard

Condensing unit with the selected refrigerant is only intended for evaporating temperatures above -30°C within the EU due to the legal requirements from the regulation (EU) 2015/1095. Permissible condensing unit-refrigerant combinations see Declaration of Conformity AC-500
Tentative Data.
Power input including fan power absorption

Application Limits 1 LH265E/6GE-40



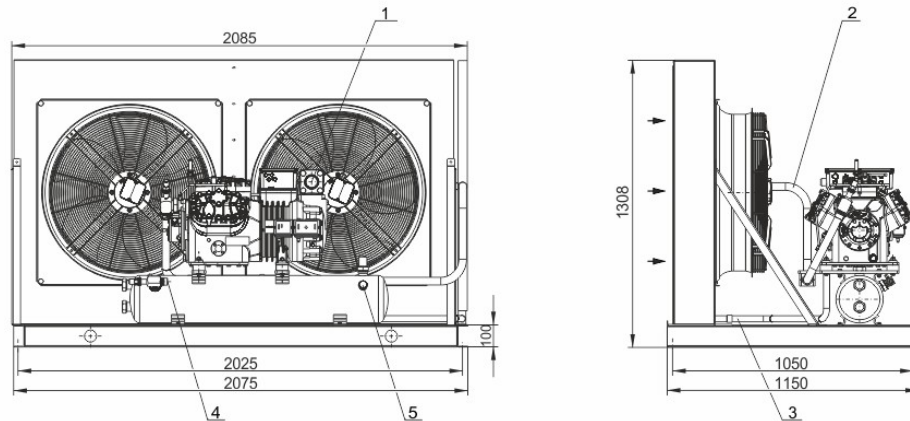
Legend

- additional cooling or max. toh < 0°C
- additional cooling or suction gas superheat ≤ 20K
- additional cooling & suction gas superheat ≤ 20K
- M2: motor 2
- M1: motor 1
- A



Technical Data: LH265E/6GE-40Y

Dimensions and Connections



Technical Data

Technical Data

Weight	610 kg
Total width	2085 mm
Total depth	1150 mm
Total height	1308 mm
Connection suction line	54 mm - 2 1/8"
Connection liquid line	22 mm - 7/8"
Voltage (50Hz, more on request)	400VD-3-50Hz (Standard)
Current / Power consumption of each fan (50Hz)	2,25 A/760 W
Air flow condenser 50Hz	26000 m ³ /h
Voltage (60Hz, more on request)	480VD-3-60Hz (Standard)
Current / Power consumption of each fan (60Hz)	2,6 A/1450 W
Air flow condenser 60Hz	30000 m ³ /h
Coil Volume	11,94 dm ³

Extent of delivery (Standard)

Liquid receiver with shut-off valve	Standard
Discharge gas line	Standard
Connection for pressure relief valve	Standard
Fans: Number	2
Protective charge	Standard

Available Options

ECOLINE with VARISTEP (CRII)	100 .. 10%
Condenser with improved corrosion protection, plastic coated fins or copper fins	Option
Oil separator with check valve	Option
Accessory pack (HP/LP switches, complete wiring, liquid line + filter drier + sight glass)	Option
Adjustable high and low pressure switch	Option
Discharge gas temperature sensor	Option
Oil level monitoring	Delta-PII // MP54
Oil heater	Option
Check valve	Option
Start unloading	Option

Sound measurement

Max. refrigerant charge 90% at 20°C / 68°F

Receiver type (Standard)	F402H
R22	42,5 kg
R134a	43 kg
R407C	40,7 kg
R404A/R507A	37,5 kg
R407A	41 kg
R407F	40 kg
R448A	39,1 kg
R449A	39,2 kg
R450A	41,9 kg
R513A	43 kg



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luni.03.10.2022 / All data subject to change.

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R1234yf
R1234ze

39 kg
41,4 kg



Condensing Units

Motor 1 = e.g. LH..E/4TES-12 with 12 "HP", primary for air-conditioning (e.g. R22,R407C) and medium temperature application (e.g. R134a, R407F, R407A, R404A, R507A, R22) and air-conditioning with R134a at high ambient temperatures.

Motor 2 = e.g. LH..E/4TES-9 with 8 "HP", for medium and low temperature application (e.g. R134a, R407F, R407A, R404A, R507A, R22) and air-conditioning with R134a.

For more information concerning the application range use the "limits" button.

Operation modes for LH..E/4VES-7 to LH../6HE-28 with R22

CIC = liquid injection with low temperature application, suction gas cooled motor

Specifications for sound emission

The data are based on 50 Hz operation.

Soundpressure: Data are valid for free field conditions with a block-shaped reference area in a distance of 10m.

For further information see technical information for sound data.

Legend of connection positions according to "Dimensions":

- 1 Suction gas valve
- 2 Discharge gas line
- 3 Condensate line
- 4 Refrigerant outlet (liquid line)
- 5 Pressure relief valve connection
- 6 Liquid injection (operation without liquid subcooler and with thermostatic expansion valve)
- 7 Refrigerant inlet at liquid subcooler
- 8 Refrigerant outlet at liquid subcooler
- 9 Suction gas line
- 10 Sight glass
- 11 Load suspension points
- 12 Plug for screwed cable gland
- 13 Cable bushing (for cables \varnothing 9-17 mm) (only ECOLITE)

Dimensions can show tolerances according to EN ISO 13920-B.