



BITZER Output data

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Table of content

Project survey.....	3
Selection: Condensing Units.....	4
Technical Data: LH32E/2JES-07Y.....	5
Information: Condensing Units.....	6



Project survey

Selected compressors

Condensing Units

1x LH32E/2JES-07Y



Selection: Condensing Units

Input Values

Unit type	LH32E/2JES-07Y	Useful superheat	100%
Series	Standard	Operating mode	Auto
Refrigerant	R449A	Power supply	400V-3-50Hz
Reference temperature	Dew point temp.	Capacity control	100%
Suction gas temperature	20,00 °C		

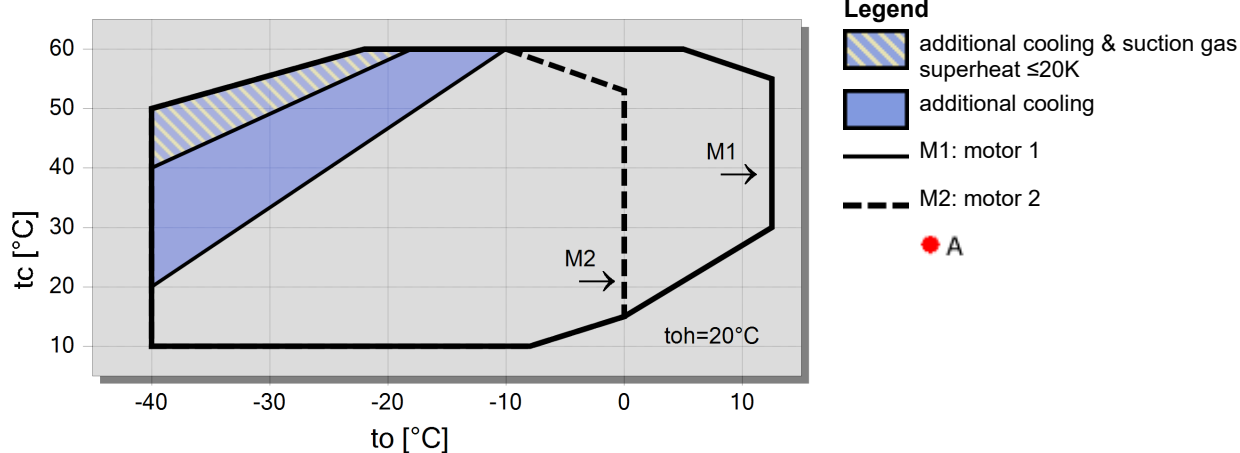
Result

Q [W]	Cooling capacity	Op.	Operating mode
P [kW]	Power input	tc [°C]	Condensing SDT
I [A]	Current	dtcu [K]	subcooling
m [kg/h]	Mass flow		

tamb	to	10°C	5°C	0°C	-5°C	-10°C	-15°C	-20°C	-25°C
27°C	Q [W]	5042	4347	3697	3097	2552	2063	1630	1253
	P [kW]	1,60	1,49	1,39	1,29	1,18	1,07	0,96	0,85
	I [A]	2,80	2,67	2,55	2,43	2,32	2,21	2,11	2,01
	m [kg/h]	121,4	100,2	82,1	66,6	53,4	42,2	32,7	24,7
	Op.	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
	tc [°C]	48,7	46,2	43,8	41,7	39,7	37,9	36,3	34,9
	dtcu [K]	3,00	3,00	3,00	3,00	3,00	3,00	3,00	3,00
32°C	Q [W]	4660	4012	3407	2849	2341	1886	1484	1135
	P [kW]	1,69	1,57	1,45	1,33	1,21	1,09	0,97	0,85
	I [A]	2,93	2,76	2,62	2,48	2,35	2,23	2,12	2,01
	m [kg/h]	117,5	96,8	79,1	64,0	51,2	40,2	31,0	23,3
	Op.	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
	tc [°C]	52,6	50,2	48,0	45,9	44,1	42,4	40,9	39,5
	dtcu [K]	3,00	3,00	3,00	3,00	3,00	3,00	3,00	3,00
43°C	Q [W]	--	3300	2781	2303	1870	1483	1141	845
	P [kW]	--	1,74	1,58	1,43	1,28	1,13	0,99	0,85
	I [A]	--	3,00	2,78	2,59	2,42	2,27	2,13	2,01
	m [kg/h]	--	89,6	72,4	57,8	45,5	35,2	26,5	19,23
	Op.	--	Standard	Standard	Standard	Standard	Standard	Standard	Standard
	tc [°C]	--	59,3	57,3	55,5	53,8	52,3	50,9	49,6
	dtcu [K]	--	3,00	3,00	3,00	3,00	3,00	3,00	2,96

-- No calculation possible (see message in single point selection)
Power input compressor, power input fan see "T. Data"

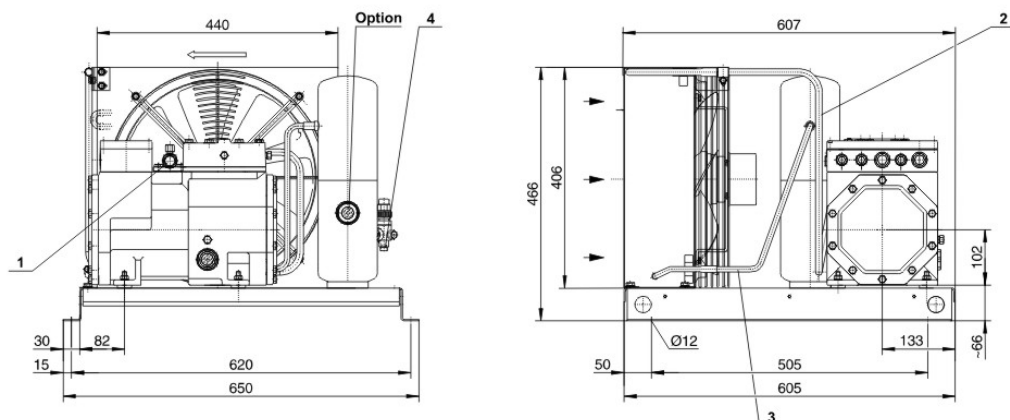
Application Limits 1 LH32E/2JES-07





Technical Data: LH32E/2JES-07Y

Dimensions and Connections



Technical Data

Technical Data

Weight	71 kg
Total width	650 mm
Total depth	607 mm
Total height	466 mm
Connection suction line	16 mm - 5/8"
Connection liquid line	10 mm - 3/8"
Fans: Number	1xEC
Voltage (50Hz, more on request)	230V-1-50Hz (Standard)
Current / Power consumption of each fan (50Hz)	1,4 A / 160 W
Air flow condenser 50Hz	1650 m³/h
Voltage (60Hz, more on request)	230V-1-60Hz (Standard)
Current / Power consumption of each fan (60Hz)	1,35 A / 135 W
Air flow condenser 60Hz	1550 m³/h
Coil Volume	0,4 dm³
Receiver type (Standard)	FS36
Max. refrigerant charge 90% at 20°C / 68°F	
R22	3,3 kg
R134a	3,3 kg
R407C	3,1 kg
R404A/R507A	2,9 kg
R407A	3,2 kg
R407F	3,1 kg
R448A	3 kg
R449A	3 kg
R450A	3,2 kg
R513A	3,3 kg
R1234yf	3,0 kg
R1234ze	3,1 kg
Receiver type (Option)	FS056
R22	6,1 kg
R134a	6,2 kg
R407C	5,8 kg
R404A/R507A	5,4 kg

Extent of delivery (Standard)

Discharge line	Standard
Protective charge	Standard

Available Options

Oil separator	Option
Check valve	Option
High & low pressure switch	Option
Dressed unit	Option
Weather protective housing	Option
Fans: elect. Speed control	Option

Sound measurement

Data of compressors: see compressor program



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 Ecostar

The data are based on 50 Hz operation with R404A.

Soundpressure: Data are valid for free field conditions according to EN13487 with a block-shaped reference area in a distance of 10m.

For further informations 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.