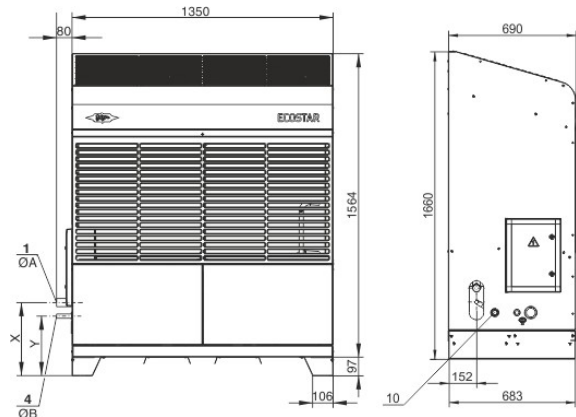


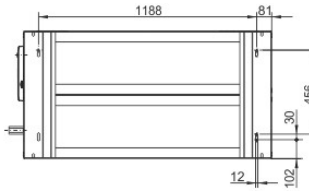


Technical Data: LHV5E/2DES-3.F1Y

Dimensions and Connections



Ansicht von unten / bottom view / vue de dessous



Typ Type Type	OA		OB		X	Y
	mm	inch	mm	inch		
LHV5E/2DES-3.F1Y	22	7/8	16	5/8	372	310
LHV5E/4FE-5.F1Y	28	1 1/8	16	5/8	375	310
LHV5E/4EE-6.F1Y	28	1 1/8	16	5/8	375	310
LHV7E/4FE-5.F1Y	28	1 1/8	16	5/8	375	310
LHV7E/4EE-6.F1Y	28	1 1/8	16	5/8	375	310
LHV7E/4DE-5.F1Y	35	1 3/8	22	7/8	383	308
LHV7E/4CE-6.F1Y	35	1 3/8	22	7/8	383	308
LHV7E/4DE-7.F3Y	35	1 3/8	22	7/8	383	308
LHV7E/4CE-9.F3Y	35	1 3/8	22	7/8	383	308
LHV7E/4VE-7.F3Y	42	1 5/8	22	7/8	383	308
LHV7E/4TE-9.F3Y	42	1 5/8	22	7/8	383	308
LHV7E/4PE-12.F3Y	42	1 5/8	22	7/8	383	308
LHV7E/4NE-14.F3Y	42	1 5/8	22	7/8	383	308

Technical Data

Technical Data

Weight	295 kg
Total width	1350 mm
Total depth	690 mm
Total height	1660 mm
Connection suction line	22 mm - 7/8"
Connection liquid line	16 mm - 5/8"
Air flow condenser 50Hz	5200 m ³ /h
Coil Volume	2,8 dm ³

Extent of delivery (Standard)

ECOSTAR controller with display	Standard
ECOLINE VARISPEED (with mounted frequency inverter)	87 .. 30 Hz
Liquid receiver with shut-off valve	Standard
Complete piping and wiring with main switch and compressor contactor	Standard
High & low pressure switch	Standard
High and low pressure transmitter	Standard
Sight glass and filter drier in liquid line	Standard
Oil heater	Standard
Discharge gas temperature sensor	Standard
suction gas temperature sensor	Standard
Ambient temperature sensor	Standard
Discharge gas line	Standard
Weather protective housing	Standard
data logging	Standard
Fans: elect. Speed regulator	Standard
Connection for pressure relief valve	Standard
Fans: Number	1 x EC
Protective charge	Standard

Available Options

Condenser with improved corrosion protection, plastic coated fins or copper fins	Option
Oil separator with check valve	Option
Oil level monitoring	OLC-K1
check valve for liquid line (additional pressure relief valve according to EN 378 required)	Option
RI System	Option
Sound insulation for compressor housing	Option
Cold store temperature sensor	Option
external display LUP200	LUP200

Sound measurement

Sound pressure in 10m (to=-10°C, tamb=32°C)	
Economy	41.5 dB(A) @ 80Hz R134a
Low sound	39 dB(A) @ 80Hz R134a

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

Receiver type (Standard)	F212N3
R22	22,9 kg



R134a	23,2 kg
R407C	21,9 kg
R404A/R507A	20,2 kg
R407A	22,1 kg
R407F	21,5 kg
R448A	21 kg
R449A	21,1 kg
R450A	22,5 kg
R513A	23,1 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 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.