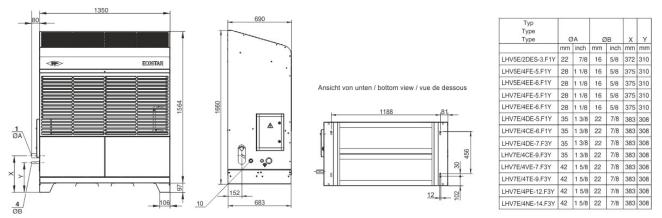


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Technical Data: LHV5E/4EE-6.F1Y

Dimensions and Connections



Technical Data

Technical Data	
Weight	312 kg
Total width	1350 mm
Total depth	690 mm
Total height	1660 mm
Connection suction line	28 mm - 1 1/8"
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 25 Hz
Liquid receiver with shut-off valve	Standard
Complete piping and wiring with main switch and	Standard
compressor contactor	otandara
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	Option
coated fins or copper fins	option
Oil separator with check valve	Option
Oil level monitoring	Delta-PII
check valve for liquid line (additional pressure relief valve	Option
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	43 dB(A) @ 80Hz R134a
Low sound	40.5 dB(A) @ 80Hz R134a
Max. refrigerant charge 90% at 20°C / 68°F	
Receiver type (Standard)	F212N3
R22	22,9 kg



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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 ø 9-17 mm) (only ECOLITE)

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