



HOT WATER
SOLUTIONS
LW 640 L • R • E

SYMBOLFOTO

smart energy systems

#### HOT WATER HEATING, MADE BY NEURA.

NEURA provides a wealth of innovative solutions for water heating tailored to your individual requirements and wishes. Hidden energy sources in your house serve as cost-effective hot water suppliers.

### Interior air as an energy source - Type L

The heat from basement or machine rooms – often also heat put out by appliances, for example from the freezer or washer-drier – serve as energy suppliers for the NEURA Type L hot water heat pump. Due to the direct condensation and novel rotary piston compressor technology, the water temperature reaches 65°C. In addition the room air is significantly dried which is not only good for the wet laundry but also for the basement walls, which are often damaged by condensation.

### Heating return as an energy source - Type R

The Type R hot water heat pump manages entirely without machine and basement rooms and without installation work. This new technology uses the residual heat in the heating return from the flooring. A pleasant side effect of this system is that the heat pump counteracts the heating of rooms in the summer caused by solar radiation.

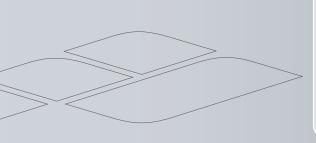
# Ground as an energy source - Type E

The ground in the garden with its store of solar energy is also an excellent provider of heat. For the Type E hot water heat pump, a dedicated copper thermal energy absorber is laid in the garden and connected with the hot water boiler.









## HIGHLIGHTS

- Independent from the existing heating this saves energy and installation costs
- Hot water temperatures of 65 °C are reached this provides optimum protection against legionella bacteria
- High power number through rotary compressor technology and direct evaporation (COP up to 4.1\*)

### TECHNICAL DATA

	LW 640 L	LW 640 R	LW 640 E
Heating output [kW]	2,11	2,18	1,52
Input power [kW]	0,51	0,53	0,45
Nominal voltage [V/Hz]	230/50	230/50	230/50
Compressor type	Rotary piston	Rotary piston	Rotary piston
Refrigerant type	R 134a	R 134a	R 134a
Max. hot water temp. [°C]	65	65	65

<sup>\*)</sup> Test points: LW 640 L = L15/W45 - LW 640 R= W20/W45 - LW 640 E = E4/W45