



Eco-Efficient
Heat Pump
SunHeater

Efficient and Stylish – for Cozy
Warmth Throughout Your Home



- Whisper-Quiet Comfort
- A+++ Energy Efficiency
- Unmatched Heating Performance
- Seamless Smart Integration
- Real-Time Control with the myLumenHaus App
- Precise Heating with Zone Control



Technical Data



Model name			8kW	10kW	12kW	14kW	16kW
Model			LH-HHP-TE8K01CE	LH-HHP-TE10K01CE	LH-HHP-TE12K01CE	LH-HHP-TE14K01CE	LH-HHP-TE16K01CE
Power Supply		V/Ph/H	380-415/3/50				
Heating A7W35	Capacity	kW	8.4	10.0	14.9	16.2	17.8
	Rated Input	kW	1.68	2.08	3.33	3.74	4.25
	COP		5.0	4.8	4.5	4.3	4.2
Heating A7W55	Capacity	kW	7.8	9.5	14.7	15.8	17.2
	Rated Input	kW	2.36	2.92	3.42	3.86	4.38
	COP		3.3	3.3	4.3	4.1	3.9
Cooling A35W7	Capacity	kW	8.3	10.0	13.0	14.8	16.2
	Rated Input	kW	1.61	2.11	2.77	3.43	4.28
	EER		5.2	4.8	4.7	4.3	3.9
Cooling A35W18	Capacity	kW	7.5	8.9	12.2	14.2	16.2
	Rated Input	kW	2.18	2.74	2.97	3.63	4.36
	EER		3.5	3.3	4.1	3.9	3.7
Seasonal Space Heating Energy Efficiency Class7	LWT bei 35°C		A+++	A+++	A+++	A+++	A+++
	LWT bei 55°C		A+++	A+++	A+++	A+++	A+++
SCOP6	LWT bei 35°C		5.15	5.15	4.98	4.94	4.91
	LWT bei 55°C		3.88	3.93	3.84	3.83	3.80
Water Pump	Pump Head	m	9				
	Max. Flow	m³/h	4.5				
	Adapter Diameter		DN25				
Sound Pressure Level	Monobloc Unit	dB(A)	48	49	46	47	47
Sound Power Level	Monobloc Unit	dB	57	57	57	57	58
Packed Dimensions (WxDxH)	Monobloc Unit	mm	1355 × 545 × 1210		1355 × 545 × 1210		
Body Dimensions (WxDxH)	Monobloc Unit	mm	1280 × 450 × 1040		1280 × 450 × 1040		
Net Weight	Monobloc Unit	kg	140		154		
Gross Weight	Monobloc Unit	kg	153		167		
Operating Temperature Range	Cooling	°C	-5~48				
	Heating	°C	-25~35				
	DHW(tank)	°C	-25~43				
Setting Water Temperature Range	Cooling	°C	5~25				
	Heating	°C	25~80				
	DHW(tank)	°C	30~75				
Water Circuit	Piping Connections	inch	G1"BSP				
	Safety Valve Set Pressure	MPa	0.3				
	Flow Switch	m³/h	0.6				
	Expansion Tank Volume	L	5				
	Capacity of The Back-Up Heater	kW	9				
Stuffing Quantity	40H/40/20	Unit	68/33/16				