Austria Email

HEATING HEAT PUMP

Monobloc heat pump

LWPM

Subject to misprints and technical changes!

Perfectly matched system components make the Austria Email Monoblock heat pump one of the quietest heat pumps of its kind.Its advantages lie in the ability to extract heat from ambient air and provide it for space heating and domestic hot water supply. This energy is available free of charge and without limitation. The use of the coaxial heat exchanger prevents the condenser from freezing during the defrost cycle.

		LWPM 8	LWPM 11	LWPM 14	LWPM 16
Sound power**	dB(A)	53	54	54	52
Sound power 10 m from the device*	dB(A)	25	26	26	24
Sound power 5 m from the device*	dB(A)	31	32	32	30
Sound power 3 m from the device*	dB(A)	35,5	36,5	36,5	34,5

* 1.5 m from the ground, orientation Q2; at nominal power in night mode, hemisphere calculation, ** according to ErP specification

OUTDOOR UNIT

Type	Article no.	Energy efficiency class	
		35°C	55°C
LWPM 8 kW Outdoor unit	A65202	A+++	A++
LWPM 11 kW Outdoor unit	A65203	A+++	A++
LWPM 14 kW Outdoor unit	A65204	A+++	A++
LWPM 16 kW Outdoor unit	A65205	A+++	A++

INDOOR UNIT

Type	Article no.	Energy efficiency class	
		35°C	55°C
LWPM Indoor Unit Heating	A65101	A+++	A++
LWPMK Indoor Unit Domestic Hot Water	A65102	A+++	A++
LWPM Control Box	A65103	A+++	A++

HEATING HEAT PUMP

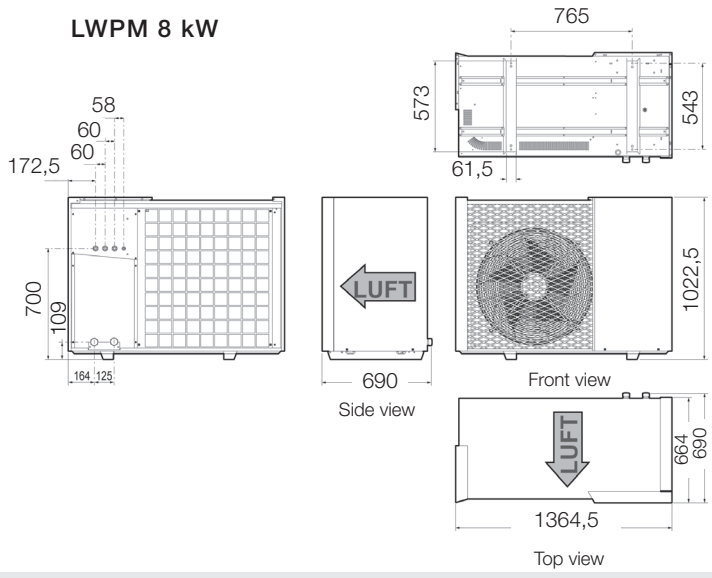
Monobloc Outdoor unit
Technical data

	Unit	LWPM 8	LWPM 11	LWPM 14	LWPM 16
Outdoor unit					
Heating performance data					
Performance range	kW	3,7 - 8	5,5 - 11	5,8 - 14	6,5 - 16
A-7/W35		6,32	8,47	10,86	12,8
Performance number COPd		3,1	3,1	3,0	2,71
A2/W35		3,73	9,43	7,10	7,8
Performance number COPd		4,7	4,6	4,7	4,33
A7/W35		4,33	5,81	8,52	8,6
Performance number COPd		5,6	5,4	5,5	5,3
Hydraulic data					
Heat exchanger capacity	l	16	24	24	24
max. flow temperature heating water	°C	60	60	60	60
min. flow at 4 °K<dT< 8 °K	l/h	600 / 2100	600 / 2100	600 / 2100	600 / 2100
Ø Heating water inlet and outlet	inch	5/4“ AG	5/4“ AG	5/4“ AG	5/4“ AG
Electrical connections Heating element					
Voltage	V	400 V / 50Hz	400 V / 50Hz	400 V / 50Hz	400 V / 50Hz
Standby power consumption	W	5	5	5	5
Tripping characteristic / current	A	3 x C16	3 x C16	3 x C16	3 x C16
Power heating resistance heating	kW	6	9	9	9
Connection cable cross-section	mm^2	5 x 2,5	5 x 2,5	5 x 2,5	5 x 2,5
Temperature range					
Outside temperature min / max	°C	-20 / + 35	-20 / + 35	-20 / + 35	-20 / + 35
Sound pressure level*	dB(A)	31	32	32	30
Dimension	mm	1022 x 690 x 1364	1723 x 816 x 953	1723 x 816 x 953	1723 x 816 x 953
Operating weight	kg	193	250	250	250
Refrigeration circuit					
Refrigerant charge quantity	g	1800	2850	2750	2750
Refrigerant		R452B	R452B	R452B	R452B
Electrical connections heat pump					
Voltage	V	400 V / 50Hz	400 V / 50Hz	400 V / 50Hz	400 V / 50Hz
Standby power consumption	W	16	19	19	19
Nominal current consumption	A	4,3	6,4	6,4	7,0
Maximum current	A	13	14	14	14,5
Tripping characteristic / current	A	3 x C16	3 x C16	3 x C16	3 x C16
Connection cable cross-section	mm^2	5 x 2,5	5 x 2,5	5 x 2,5	5 x 2,5

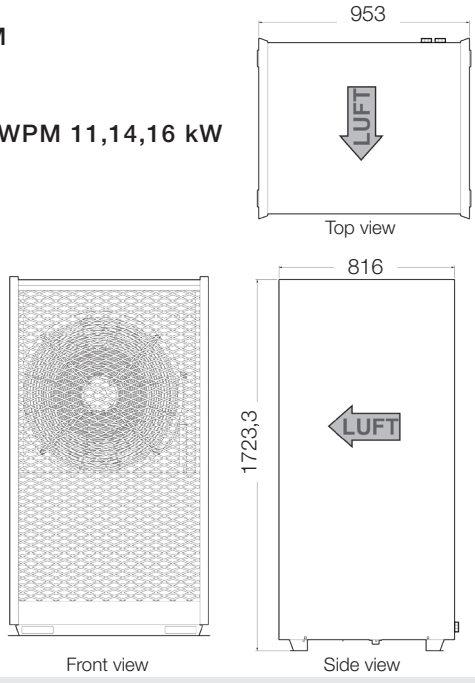
*5 m from the device, 1.5 m above the floor, orientation Q2, at nominal power in night mode, hemisphere calculation

OUTDOOR UNIT LWPM

LWPM 8 kW



LWPM 11,14,16 kW



LWPM 11, 14, 16

LWPM 8

OUTDOOR UNIT

- Whisper-quiet operation (35 dB at 3 m distance)
- Quick installation without refrigeration circuit work
- Patented coaxial heat exchanger
- LOW GWP refrigerant R452B (GWP=698)
- Weatherproof design metal housing
- Monoenergetic operation mode
- Flow temperature up to 60 °C
- Outdoor temperature down tos -20°C
- Heating and cooling operation
- Night mode
- Full inverter control
- 400 V version
- Integrated backup heater

R452B reduziert CO_2

SG Ready

CEN heat pump KEYMARK

HEATING
HEAT PUMP

Monobloc Indoor unit
Technical data

Indoor unit LWPM Heating		
Sound pressure level**	dB(A)	39
Dimensions	mm	845 x 450 x 480
Weight empty / in operation	kg	40/62
Hydraulic data		
Content	l	16
Expansion vessel	l	8
max. flow temperature heating water	°C	60
Electrical connections control		
Voltage	V	230 V / 50Hz
Standby power consumption	W	5
Tripping characteristic / current	A	1 x C13
Connection cable cross-section	mm^2	3 x 1,5
Hydraulic connections		
Ø Heating water inlet/outlet	inch	1 AG

Indoor unit LWPM hot water tank		
Sound pressure level**	dB(A)	39
Dimensions	mm	1840 x 650 x 700
Weight empty / in operation	kg	146 / 350
Hydraulic data		
Content	l	16
Expansion vessel	l	12
max. flow temperature heating water	°C	60
Hot water tank contents	l	190
Hot water tank material		Stahl emailliert
max. pressure hot water tank	bar	10
Electrical connections hot water		
Voltage	V	230 V / 50Hz
Standby power consumption	W	5
Tripping characteristic / current	A	1 x C16
Power heating resistance heating	kW	1,5
Connection cable cross-section	mm^2	3 x 2,5
Hydraulic connections		
Ø Heating water inlet/outlet	Zoll	1 AG

Indoor unit LWPM Control box		
Sound pressure level**	dB(A)	39
Dimensions	mm	430 x 450 x 182,5
Weight empty / in operation	kg	10
Electrical connections		
Voltage	V	230
Standby power consumption	W	5
Tripping characteristic / current	A	C 13
Connection cable cross-section	mm^2	3 x 1,5

**1m from device, 1.5m from floor

Subject to misprints and technical changes!

CONTROLBOX

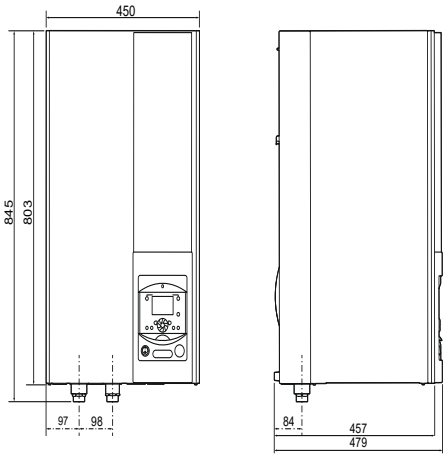
INDOOR UNIT
HEATING

INDOOR UNIT
HOT WATER TANK

INTERIOR UNITS:

- 3 variants of indoor units
- Versatile combination options
- Outdoor temperature-controlled regulation
- High-efficiency circulation pump
- Integrated enameled 190 l domestic hot water tank (in LWPMK version)
- Includes electric backup heater (in LWPM and LWPMK versions)
- Night mode
- Full inverter control
- 400 V version
- Integrated backup heater

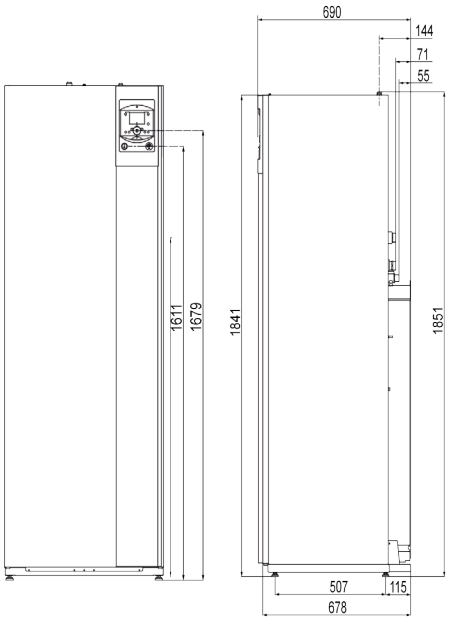
LWPM heating



Front view

Side view

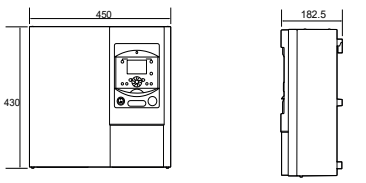
LWPMK hot water tank



Front view

Side view

LWPM Control box



Front view

Side view

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