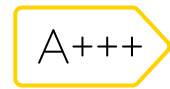


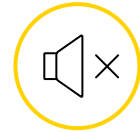
# PMH<sup>TM</sup> 6 19

AIR-TO-WATER HEAT PUMP

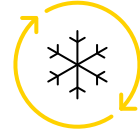
PMH™ 6  
PMH™ 19



HIGHLY EFFICIENT



VERY QUIET



REFRIGERANT R32



REMOTE MONITORING

## AIR-TO-WATER HEAT PUMPS

The PMH™ 6 and PMH™ 19 air-to-water heat pumps heat and produce hot water by converting the environmental energy contained in the air into usable energy in a highly efficient manner. Operation with cooling function is possible.

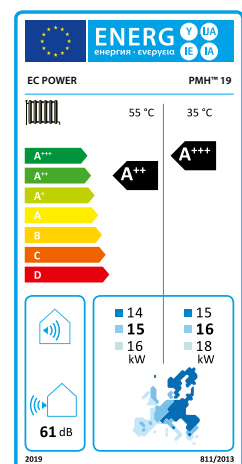
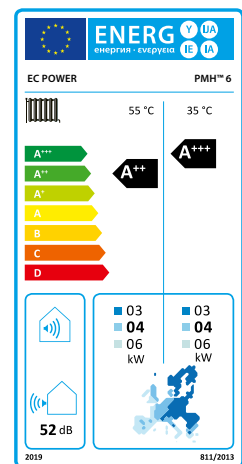
The PMH™ heat pump consists of an indoor and an outdoor unit:

The Monobloc Outdoor Unit with heat exchanger and closed R32 refrigerant circuit is connected directly to the heating system. No refrigeration technician is required for installation. A heating pump with frost protection function is integrated. The automatic and self-learning defrosting function in combination with the nano-coated evaporator reduces defrosting time to a minimum and increases efficiency.

Indoors, the PMH™ Control Unit, with user-friendly touch display, controls the Monobloc Outdoor Unit fully automatically. On the consumer side, 2 heating circuits (optionally also configurable as a cooling circuit) and a hot water system can be connected. Included are a heating curve programme (optionally configurable as cooling curve), night setback, legionella circuit and an absence programme. The controls are accessible via PC and smartphone app.

The most important features:

- Outside air-to-water heat pumps for heating and cooling
- Easy integration into the building heating and hot water system
- Environmentally friendly refrigerant R32
- Fully automatic operation and automatic start after power failure
- Space-saving outdoor installation, quiet operation, high efficiency



# TECHNICAL DATA PMH™ 6 / PMH™ 19



## ORDER INFORMATION

Supplier name or trademark
Supplier model identifier
Article number (indoor/outdoor unit)
Type of heat pump
Model

## EC POWER

PMH™ 6	PMH™ 19
PMH0601	PMH1901
air-to-water heat pump	air-to-water heat pump
Monobloc (refrigerant circuit hermetically sealed)	Monobloc (refrigerant circuit hermetically sealed)

## ERP LABEL DATA<sup>1</sup>

Seasonal space heating energy efficiency class (W 55 °C and W 35 °C)	
Heating capacity partial load point "A" according to DIN EN 14825:2018 / COP	
Seasonal space heating energy efficiency (W 55 °C and W 35 °C)	η <sub>s</sub>
SCOP (W 55 °C and W 35 °C)	
Sound pressure level L <sub>p(ST)</sub> at 2 m distance (W 55 °C and W 35 °C)	
Sound power level L <sub>WA</sub> at 2 m distance (W 55 °C and W 35 °C)	

PMH™ 6	PMH™ 19
<b>A<sup>++</sup> / A<sup>+++</sup></b>	<b>A<sup>++</sup> / A<sup>+++</sup></b>
3.7 kW / 3.11	14.4 kW / 3.27
138.6 / 185.8 %	132.5 / 190.2 %
3.54 / 4.72	3.39 / 4.83
41 / 39 dB(A)	47 / 42 dB(A)
54 / 52 dB(A)	62 / 57 dB(A)

<sup>1</sup> TÜV-Süd Report 64.181.22.01854.01 Rev.00 and 64.181.22.01853.01

## PERFORMANCE DATA

Heating capacity (from / to)	
Range of use for heating min. / max. outdoor temperature	
Range of use for cooling min. / max. outdoor temperature	
A12 / W35: Heating capacity / max. COP	
A12 / W35: Max. heating capacity / COP	
A7 / W35: Max. heating capacity / COP	
A2 / W35: Max. heating capacity / COP	
A-7 / W35: Heating capacity / COP	
A-15 / W35 Max. heating capacity / COP	
A12 / W55: Heating capacity / max. COP	
A12 / W55: Max. heating capacity / COP	
A7 / W55: Max. heating capacity / COP	
A2 / W55: Max. heating capacity / COP	
A-7 / W55: Max. heating capacity / COP	
A-15 / W55: Max. heating capacity / COP	
A35 / W7: Max. cooling capacity / COP	

3.5 / 6.5 kW
- 25 °C / 50 °C
12 °C / 50 °C
4.00 kW / 5.52
7.27 kW / 5.23
7.45 kW / 4.51
6.13 kW / 3.80
4.75 kW / 3.04
3.56 kW / 2.42
5.39 kW / 3.03
6.33 kW / 2.98
5.70 kW / 2.60
4.72 kW / 2.22
3.69 kW / 1.77
2.82 kW / 1.37
4.26 kW / 2.52

9.2 / 18.5 kW
- 25 °C / 50 °C
12 °C / 50 °C
10.10 kW / 5.77
18.40 kW / 5.30
18.53 kW / 4.47
16.22 kW / 3.99
12.57 kW / 3.19
9.73 kW / 2.62
12.35 kW / 3.24
16.50 kW / 3.18
17.68 kW / 2.97
14.54 kW / 2.46
10.68 kW / 1.96
8.50 kW / 1.64
15.81 kW / 2.94

## OTHER INFORMATION

Max. temperature of heating water
Refrigerant / quantity
Heating connections
Diameter of heating lines / max. length
Sound pressure level at 5 m distance
Sound pressure level at 10 m distance
Sound pressure level at 15 m distance

58 °C
R32 / 0.90 kg
G 1"
DN 25 / 20 m (DN 32 / 30 m)
30 dB(A)
24 dB(A)
20 dB(A)

58 °C
R32 / 2.60 kg
G 1-1/4"
DN 32 / 20 m (DN 40 / 30 m)
39 dB(A)
33 dB(A)
30 dB(A)

## POWER SUPPLY

PMH™ Monobloc Compressor
PMH™ Monobloc Frost Protection
PMH™ Control Unit

230 V / 10 A
230 V / 6 A
230 V / 10 A

400 V / 16 A per phase
230 V / 6 A
230 V / 10 A

## DIMENSIONS AND WEIGHT

Dimensions (width x depth x height)	PMH™ Monobloc
	PMH™ Control Unit
Net weight	PMH™ Monobloc
	PMH™ Control Unit

1010 x 370 x 735 mm
380 x 135 x 450 mm
67 kg
10 kg

1085 x 390 x 1450 mm
380 x 135 x 450 mm
140 kg
10 kg

Deviating values depending on ambient and operating conditions, tolerance +/- 5 %.  
Technical modifications, design differences and mistakes reserved.



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# PMH<sup>TM</sup> 6 19

AIR-TO-WATER HEAT PUMP