

Catalogue and Price List

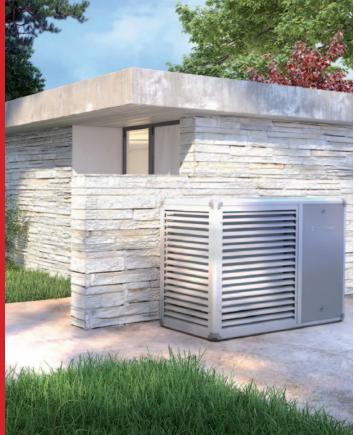
2020/2021 www.mastertherm.eu







BoxAir Inverter BoxAir Inverter Split BoxAir Inverter Split Combi AquaMaster AquaMaster Inverter AquaMaster Inverter AquaMaster Inverter Combi HP for large buildings AQZHX





BoxAir

NEW DESIGN

















air to water, compact, on-off

| Model | A7W35 | 1) | A2W3 | 5 | | heating en nperature o | | | Seaso - mediu | onal heating um-tempera | g energy effic ature operati | iency on 55°C | Circuit bre | eaker ²⁾ | Compressor, supply voltage 3ph/1ph | Weight (kg) | Leakage control of refrigerant circuit EP 517/2014 | STANDARD (µPC) Price EUR EXW CZ | PLUS (pCO5) Price EUR EXW CZ |
|------------|------------|-----|------------|-----|---------------|---------------------------|------|-------|------------------|----------------------------|---------------------------------|------------------|---------------|---------------------|--|----------------|--|---------------------------------|------------------------------|
| | Power (kW) | COP | Power (kW) | COP | Power (kW) 3) | SCOP | ηs % | Class | Power (kW) 3) | SCOP | ης % | Class | 3 phase units | 1 phase units | Spii/ ipii | | LI 317/2014 | LAW CZ | LAW CE |
| BoxAir-22Z | 8,2 | 4,4 | 6,1 | 3,3 | 8 | 3,66 | 144 | A+ | 8 | 3,00 | 117 | A+ | 16A"C" | 20A"C" | 3x400/1x230 V~ | 120 | no | 5 980,- | 6 730,- |
| BoxAir-26Z | 10,6 | 4,2 | 7,9 | 3,2 | 11 | 3,63 | 142 | A+ | 10 | 2,84 | 111 | A+ | 25A"B" | 25A"C" | 3x400/1x230 V~ | 150 | no | 7 050,- | 7 430,- |
| BoxAir-30Z | 12,2 | 4,3 | 9,1 | 3,2 | 12 | 3,64 | 143 | A+ | 12 | 2,86 | 111 | A+ | 25A"B" | 32A"C" | 3x400/1x230 V~ | 176 | no | 7 260,- | 7 640,- |
| BoxAir-37Z | 15,4 | 4,5 | 11,5 | 3,4 | 16 | 3,71 | 145 | A+ | 15 | 2,97 | 116 | A+ | 25A"C" | 32A"C" | 3x400/1x230 V~ | 178 | no | 7 450,- | 7 840,- |
| BoxAir-45Z | 18,2 | 4,5 | 13,7 | 3,5 | 19 | 3,89 | 153 | A++ | 18 | 3,08 | 120 | A+ | 25A"C" | - | 3x400 V~ | 180 | no | 7 900,- | 8 280,- |

¹⁾ Performance data according to ČSN EN 14 511. A7W35 - air 7 ° C, water 35 ° C.

³⁾ Design power at outdoor temperature -10 ° C according to ČSN EN 14 825.

| Options | Price EUR EXW CZ |
|---|---------------------|
| Internet HP control Master | 490,- |
| Full Cooling reversing | 290,- |
| Terminal pAD temperature compensation | 185,- |
| Terminal pADh floor cooling | 285,- |
| Three phase relay | 78,- |
| Softstart | 473,- |
| Expanded control module for PLUS version | 429,- |
| Evap. with Corrosion Resistant Coating (single fan) | 160,- |
| Evap. with Corrosion Resistant Coating (2 fans) | 200,- |
| External unit colour on demand RAL code | 260,- |
| Silver colour | FOC |

RAL 900

Standard equipment

- ✓ Graphic terminal PGD
- ✓ New low-noise fan
- ✓ Equitherm control system MaR
- ✓ Built-in immersion heater and circulation pump
- ✓ Electronically controlled coolant injection

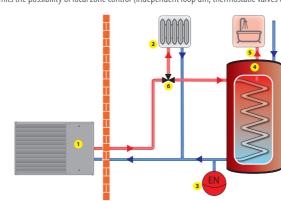
Features

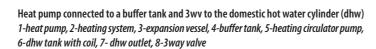
- ► Outdoor compact
- ► Use for heating and cooling
- ► The temperature of heating water to 55 °C
- ► Temperatures range from +35 °C to -20 °C
- ► Very easy installation, quiet operation
- ► Control up to 6 heating circuits

Heat pump connected directly to the heating system with 3wv for domestic hot water (dhw) preparation.

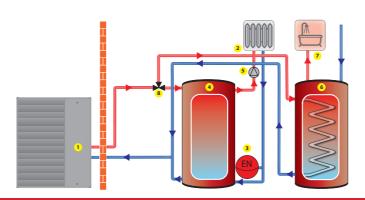
1-heat pump, 2-heating system, 3-expansion vessel, 4-dhw tank with coil, 5-dhw outlet, 6-3way valve

The heat pump (1) is directly connected to heating system. Heating water temperature is controlled according to a weather compensation curve. Production of hot water is a priority over the heating system by switching the 3wv (6) to the dhw tank (4). The heat pump increases the outlet water temperature until the requested dhw temperature is achieved, once achieved the heat pump switches the 3wv back to heating operation. This type of system is ideally suited to underfloor heating systems (ufh) but also systems with radiators with a large volume of heating water utilising our pAD room terminal. This solution limits the possibility of local zone control (independent loop ufh, thermostatic valves on radiators).



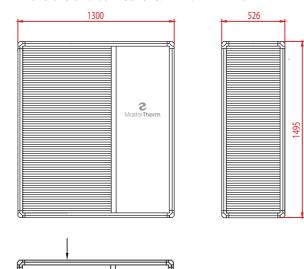


Heat pump (1) connected to the heating system through a buffer tank (4) which has the function of thermal buffer and a low loss header. Heating water temperature is controlled according to a weather compensation curve. The flow to the heating system is controlled by the main heating circulation pump. Production of hot water is a priority over the heating system by switching the 3wv (8) to the dhw tank (6). The heat pump increases the outlet water temperature until the requested dhw temperature is achieved, once achieved the heat pump switches the 3wv back to heating operation. This solution is ideally suited to systems with low heat buffering capacity and systems that require independent room zone control. Additionally, this type of system has the ability to integrate a secondary source of heat into the buffer tank (4) such as a wood stove with back boiler.





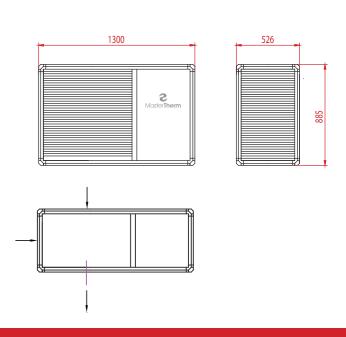
Dimensions and connections: BA26Z - BA45Z



| Heating circuits control | STANDARD (µPC) | PLUS (pCO5) |
|---------------------------|-----------------------------------|----------------------------------|
| Intended for | single-circuit heating systems | multi-circuit heating systems |
| Main heating circuit | Yes | Yes |
| Secondary heating circuit | No | 2 independent including mixing |
| Room temperature | In 1 zone | In 2 zones |
| SHW | Yes | Yes |
| Optional | No | Up to 6 heating circuits |
| | | |



Dimensions and connections: BA22Z



²⁾ Recommended value of el. 3x400 V fuse, incl. Auxiliary integrated electric boiler.

BoxAir Inverter











air to water, compact, inverter













DESIGN 2019 - DISCOUNTED PRICE

| Model | A7W35 | Heat loss Qz (kW) | A7W35 60 | 0Hz ¹⁾ | A2W35 6 | 0Hz | A-7W35 8 | 30Hz | A-15W35 | 90Hz | | | g energy e ure operat | efficiency tion 35°C | Seasonal heati - medium-tempo | | | | Circuit b | reaker ²⁾ | Compressor, supply voltage | Weight (kg) | Leakage control of refrigerant circuit | STANDARD (µPC) Price EUR | PLUS (pCO5) Price EUR |
|------------|------------|----------------------|------------|-------------------|------------|-----|------------|------|------------|------|------------|------|--------------------------|-------------------------|----------------------------------|------|------|-------|---------------|----------------------|-------------------------------|----------------|--|--------------------------------|-----------------------------|
| | Power (kW) | | Power (kW) | СОР | Power (kW) | COP | Power (kW) | СОР | Power (kW) | СОР | Power (kW) | SCOP | ηs % | Class | Power (kW) 3) | SCOP | ηs % | Class | 3 phase units | 1 phase units | 3ph/1ph | | EP 517/2014 | EXW CZ | EXW CZ |
| BoxAir 22I | 2-7 | to 5,5 | 4,9 | 4,7 | 3,6 | 3,5 | 3,6 | 2,8 | 3,2 | 2,6 | 5 | 4,18 | 164 | A++ | 4 | 3,22 | 126 | A++ | 16A"B" | 20A"B" | 1x230/1x230 V~ | 115 | no | 6 470,- | 6 850,- |
| BoxAir 26I | 3-9 | to 8,5 | 8,1 | 4,8 | 5,8 | 3,5 | 5,5 | 2,8 | 5,1 | 2,5 | 7,5 | 4,40 | 173 | A++ | 7 | 3,36 | 132 | A++ | 20A"B" | 20A"B" | 1x230/1x230 V~ | 120 | no | 6 570,- | 6 960,- |
| BoxAir 30I | 5-12 | to 10 | 8,65 | 5,2 | 6,25 | 3,8 | 6,0 | 2,9 | 5,3 | 2,4 | 8,5 | 4,49 | 177 | A+++ | 8 | 3,45 | 135 | A++ | 25A"B" | 25A"B" | 1x230/1x230 V~ | 155 | no | 7 920,- | 8 300,- |
| BoxAir 37I | 5-17 | to 13 | 11,5 | 4,7 | 8,8 | 3,7 | 8,7 | 2,8 | 8,2 | 2,3 | 11 | 4,48 | 176 | A+++ | 10 | 3,50 | 137 | A++ | 25A"B" | 25A"B" | 3x400/1x230 V~ | 165 | no | 8 500,- | 8 880,- |
| BoxAir 45I | 7-22 | to 16 | 15,3 | 4,7 | 10,6 | 3,5 | 11,1 | 2,75 | 9,8 | 2,2 | 14 | 4,30 | 169 | A++ | 13 | 3,32 | 130 | A++ | 32A"B" | 32A"B" | 3x400/1x230 V~ | 165 | no | 9 070,- | 9 460,- |

¹⁾ Performance data according to ČSN EN 14 511, in accordance with the EHPA requirements for quality mark Q. A7W35 60 Hz - air 7 °C, water 35 °C, compressor frequency 60 Hz

 $^{^{3)}}$ Design power at outdoor temperature -10 $^{\circ}$ C according to ČSN EN 14 825.

| Options | | | Price EUR EXW CZ |
|----------------------------|----------------------------|-------|---------------------|
| Internet HP control Maste | er | | 490,- |
| Full Cooling reversing | | | 290,- |
| Terminal pAD temperatu | re compensation | | 185,- |
| Terminal pADh floor cooli | ng | | 285,- |
| Expanded control module | for PLUS version | | 429,- |
| Evap. with Corrosion Resi | stant Coating (single fan) | | 160,- |
| Evap. with Corrosion Resi | stant Coating (2 fans) | | 200,- |
| External unit colour on d | emand RAL code | | 260,- |
| Silver, red or green colou | r | | F0C |
| RAL 9006 | RAI 3020 | RAL 6 | 013 |

Standard equipment

- ✓ Graphic terminal PGD
- ✓ Variable output Inverter Compressor
- ✓ New low-noise fan
- ✓ Equitherm control system MaR
- ✓ Built-in immersion heater and circulation pump
- ✓ Electronically controlled coolant injection

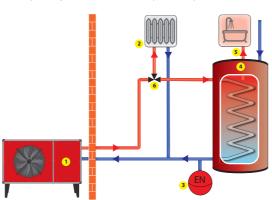
Features

- ▶ Outdoor compact
- ► Use for heating and cooling
- ► The temperature of heating water to 60 °C
- ► Temperatures range from +35 °C to -20 °C
- ► Very easy installation, quiet operation
- ► Control up to 6 heating circuits

Heat pump connected directly to the heating system with 3wv for domestic hot water (dhw) preparation.

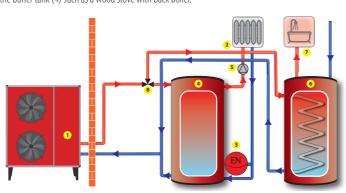
1-heat pump, 2-heating system, 3-expansion vessel, 4-dhw tank with coil, 5-dhw outlet, 6-3way valve

The heat pump (1) is directly connected to heating system. Heating water temperature is controlled according to a weather compensation curve. Production of hot water is a priority over the heating system by switching the 3wv (6) to the dhw tank (4). The heat pump increases the outlet water temperature until the requested dhw temperature is achieved, once achieved the heat pump switches the 3wv back to heating operation. This type of system is ideally suited to underfloor heating systems (ufh) but also systems with radiators with a large volume of heating water utilising our pAD room terminal. This solution limits the possibility of local zone control (independent loop ufh, thermostatic valves on radiators).

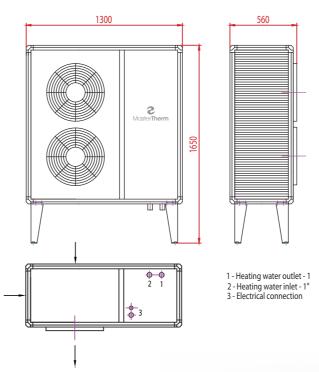


Heat pump connected to a buffer tank and 3wv to the domestic hot water cylinder (dhw) 1-heat pump, 2-heating system, 3-expansion vessel, 4-buffer tank, 5-heating circulator pump, 6-dhw tank with coil, 7-dhw outlet, 8-3way valve

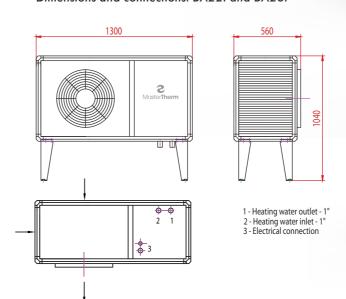
Heat pump (1) connected to the heating system through a buffer tank (4) which has the function of thermal buffer and a low loss header. Heating water temperature is controlled according to a weather compensation curve. The flow to the heating system is controlled by the main heating circulation pump. Production of hot water is a priority over the heating system by switching the 3wv (8) to the dhw tank (6). The heat pump increases the outlet water temperature until the requested dhw temperature is achieved, once achieved the heat pump switches the 3wv back to heating operation. This solution is ideally suited to systems with low heat buffering capacity and systems that require independent room zone control. Additionally, this type of system has the ability to integrate a secondary source of heat into the buffer tank (4) such as a wood stove with back boiler.



Dimensions and connections: BA301 and BA451:



Dimensions and connections: BA22I and BA26I



| Heating circuits control | STANDARD (µPC) | PLUS (pCO5) |
|---------------------------|-----------------------------------|----------------------------------|
| Intended for | single-circuit heating systems | multi-circuit heating systems |
| Main heating circuit | Yes | Yes |
| Secondary heating circuit | No | 2 independent including mixing |
| Room temperature | In 1 zone | In 2 zones |
| SHW | Yes | Yes |
| Optional | No | Up to 6 heating circuits |





^{2]} Recommended value of el. 3x400V fuse, incl. Auxiliary integrated electric boiler. The units 22I, 26I and 30I can also be connected to a 1x230V network with 40A"B"(22I), resp. 50A"B"(26I, 30I).

BoxAir Inverter











air to water, compact, inverter













NEW DESIGN

| Model | A7W35 | Heat loss Qz (kW) | A7W35 6 | OHz ¹⁾ | A2W35 6 | 0Hz | A-7W35 8 | 80Hz | A-15W35 | 90Hz | | | g energy e ure operat | efficiency ion 35°C | Seasonal heatir - medium-tempe | | | | Circuit b | reaker ²⁾ | Compressor, supply voltage | Weight (kg) | Leakage control of refrigerant circuit | STANDARD (µPC) Price EUR | PLUS (pCO5) Price EUR |
|------------|------------|----------------------|------------|-------------------|------------|-----|------------|------|-----------|-------|------------|------|--------------------------|------------------------|-----------------------------------|------|------|-------|---------------|----------------------|-------------------------------|----------------|--|--------------------------------|-----------------------------|
| | Power (kW) | | Power (kW) | СОР | Power (kW) | СОР | Power (kW) | СОР | Power (kW |) COP | Power (kW) | SCOP | ηs % | Class | Power (kW) 3) | SCOP | ηs % | Class | 3 phase units | 1 phase units | 3ph/1ph | | EP 517/2014 | EXW CZ | EXW CZ |
| BoxAir 22I | 2-7 | to 5,5 | 4,9 | 4,7 | 3,6 | 3,5 | 3,6 | 2,8 | 3,2 | 2,6 | 5 | 4,18 | 164 | A++ | 4 | 3,22 | 126 | A++ | 16A"B" | 20A"B" | 1x230/1x230 V~ | 115 | no | 6 690,- | 7 070,- |
| BoxAir 26I | 3-9 | to 8,5 | 8,1 | 4,8 | 5,8 | 3,5 | 5,5 | 2,8 | 5,1 | 2,5 | 7,5 | 4,40 | 173 | A++ | 7 | 3,36 | 132 | A++ | 20A"B" | 20A"B" | 1x230/1x230 V~ | 120 | no | 6 790,- | 7 180,- |
| BoxAir 30I | 5-12 | to 10 | 8,65 | 5,2 | 6,25 | 3,8 | 6,0 | 2,9 | 5,3 | 2,4 | 8,5 | 4,49 | 177 | A+++ | 8 | 3,45 | 135 | A++ | 25A"B" | 25A"B" | 1x230/1x230 V~ | 155 | no | 8 210,- | 8 590,- |
| BoxAir 37I | 5-17 | to 13 | 11,5 | 4,7 | 8,8 | 3,7 | 8,7 | 2,8 | 8,2 | 2,3 | 11 | 4,48 | 176 | A+++ | 10 | 3,50 | 137 | A++ | 25A"B" | 25A"B" | 3x400/1x230 V~ | 165 | no | 8 790,- | 8 170,- |
| BoxAir 45I | 7-22 | to 16 | 15,3 | 4,7 | 10,6 | 3,5 | 11,1 | 2,75 | 9,8 | 2,2 | 14 | 4,30 | 169 | A++ | 13 | 3,32 | 130 | A++ | 32A"B" | 32A"B" | 3x400/1x230 V~ | 165 | no | 9 360,- | 9 750,- |

¹⁾ Performance data according to ČSN EN 14 511, in accordance with the EHPA requirements for quality mark Q. A7W35 60 Hz - air 7 °C, water 35 °C, compressor frequency 60 Hz

³⁾ Design power at outdoor temperature -10 ° C according to ČSN EN 14 825.

| Options | Price EUR EXW CZ |
|---|---------------------|
| Internet HP control Master | 490,- |
| Full Cooling reversing | 290,- |
| Terminal pAD temperature compensation | 185,- |
| Terminal pADh floor cooling | 285,- |
| Expanded control module for PLUS version | 429,- |
| Evap. with Corrosion Resistant Coating (single fan) | 160,- |
| Evap. with Corrosion Resistant Coating (2 fans) | 200,- |
| External unit colour on demand RAL code | 260,- |
| Silver colour | FOC |

- Standard equipment

 Graphic terminal PGD
- ✓ Variable output Inverter Compressor
- ✓ New low-noise fan
- ✓ Equitherm control system MaR
- ✓ Built-in immersion heater and circulation pump
- ✓ Electronically controlled coolant injection

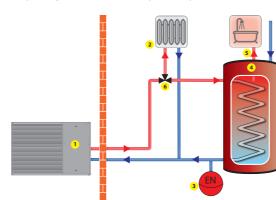
Features

- ▶ Outdoor compact
- ► Use for heating and cooling
- ► The temperature of heating water to 60 °C
- ► Temperatures range from +35 °C to -20 °C
- ► Very easy installation, quiet operation
- Control up to 6 heating circuits

Heat pump connected directly to the heating system with 3wv for domestic hot water (dhw) preparation.

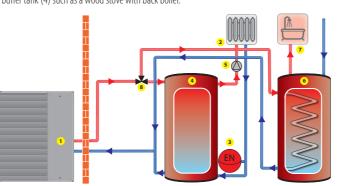
1-heat pump, 2-heating system, 3-expansion vessel, 4-dhw tank with coil, 5-dhw outlet, 6-3way valve

The heat pump (1) is directly connected to heating system. Heating water temperature is controlled according to a weather compensation curve. Production of hot water is a priority over the heating system by switching the 3wv (6) to the dhw tank (4). The heat pump increases the outlet water temperature until the requested dhw temperature is achieved, once achieved the heat pump switches the 3wv back to heating operation. This type of system is ideally suited to underfloor heating systems (ufh) but also systems with radiators with a large volume of heating water utilising our pAD room terminal. This solution limits the possibility of local zone control (independent loop ufh, thermostatic valves on radiators).

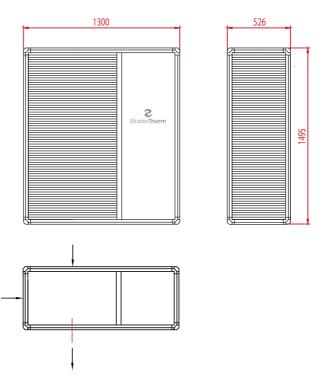


Heat pump connected to a buffer tank and 3wv to the domestic hot water cylinder (dhw) 1-heat pump, 2-heating system, 3-expansion vessel, 4-buffer tank, 5-heating circulator pump, 6-dhw tank with coil, 7-dhw outlet, 8-3way valve

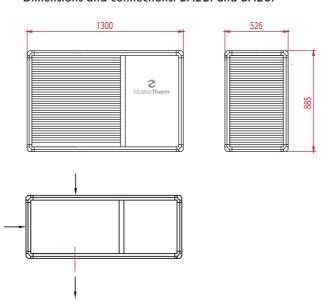
Heat pump (1) connected to the heating system through a buffer tank (4) which has the function of thermal buffer and a low loss header. Heating water temperature is controlled according to a weather compensation curve. The flow to the heating system is controlled by the main heating circulation pump. Production of hot water is a priority over the heating system by switching the 3wv (8) to the dhw tank (6). The heat pump increases the outlet water temperature until the requested dhw temperature is achieved, once achieved the heat pump switches the 3wv back to heating operation. This solution is ideally suited to systems with low heat buffering capacity and systems that require independent room zone control. Additionally, this type of system has the ability to integrate a secondary source of heat into the buffer tank (4) such as a wood stove with back boiler.



Dimensions and connections: BA301 and BA451:



Dimensions and connections: BA22I and BA26I



| Heating circuits control | STANDARD (µPC) | PLUS (pCO5) |
|---------------------------|-----------------------------------|----------------------------------|
| Intended for | single-circuit heating systems | multi-circuit heating systems |
| Main heating circuit | Yes | Yes |
| Secondary heating circuit | No | 2 independent including mixing |
| Room temperature | In 1 zone | In 2 zones |
| SHW | Yes | Yes |
| Optional | No | Up to 6 heating circuits |





²¹ Recommended value of el. 3x400V fuse, incl. Auxiliary integrated electric boiler. The units 22I, 26I and 30I can also be connected to a 1x230V network with 40A"B"(22I), resp. 50A"B"(26I, 30I).

BOXAIT Inverter Split













air to water, split, inverter, outdoor or indoor installation









NEW DESIGN OF EXTERNAL UNITS

| Model | A7W35 | Heat loss Qz (kW) | A7W35 6 | OHz ¹⁾ | A2W35 6 | 50Hz | A-7W35 8 | 30Hz | A-15W35 9 | 90Hz | | | | efficiency tion 35°C | Seasonal heating - medium-temper | | | | Circuit | breake ²⁾ | Compressor, supply voltage 3ph/1ph | Weight (kg) | Leakage control of refrigerant circuit | Price EUR EXW CZ |
|--------------------|------------|----------------------|------------|-------------------|------------|-------|------------|------|------------|------|------------|------|------|-------------------------|-------------------------------------|------|------|-------|---------------|----------------------|--|----------------|--|---------------------|
| | Power (kW) | | Power (kW) |) COP | Power (kW) |) COP | Power (kW) | СОР | Power (kW) | СОР | Power (kW) | SCOP | ηs % | Class | Power (kW) | SCOP | ηs % | Class | 3 phase units | 1 phase units | Shii/ Ihii | | EP 517/2014 | LAVV CZ |
| BoxAir-22IS | 2-7 | to 5,5 | 4,9 | 4,7 | 3,6 | 3,5 | 3,6 | 2,8 | 3,2 | 2,6 | 5 | 4,18 | 164 | A++ | 4 | 3,22 | 126 | A++ | 16A"B" | 20A"B" | 1x230/1x230 V~ | 160 | no | 8 390,- |
| BoxAir-26IS | 3-9 | to 8,5 | 8,1 | 4,6 | 5,6 | 3,5 | 5,5 | 2,8 | 5,1 | 2,4 | 6,5 | 4,28 | 168 | A++ | 6,3 | 3,24 | 126 | A++ | 20A"B" | 20A"B" | 1x230/1x230 V~ | 165 | no | 8 490,- |
| external unit - s | single fan | | | | | | | | | | | | | | | | | | | | | 50 | | FOC |
| BoxAir-37IS | 5-17 | to 13 | 11,5 | 4,7 | 8,8 | 3,7 | 8,7 | 2,8 | 8,2 | 2,3 | 11 | 4,48 | 176 | A+++ | 10 | 3,50 | 137 | A++ | 25A"B" | | 3x400 V~ | 170 | no | 9 250,- |
| BoxAir-45IS | 7-22 | to 16 | 15,3 | 4,7 | 10,6 | 3,5 | 11,1 | 2,75 | 9,8 | 2,2 | 14 | 4,30 | 169 | A++ | 13 | 3,32 | 130 | A++ | 32A"B" | | 3x400 V~ | 180 | no | 9 910,- |
| external unit - 2 | 2 fans | | | | | | | | | | | | | | | | | | | | | 70 | | FOC |

1) Performance data according to ČSN EN 14 511, in accordance with the EHPA requirements

- for quality mark Q. A7W35 60 Hz air 7 °C, water 35 °C, compressor frequency 60 Hz ²⁾ Recommended value of el. 3x400V fuse, incl. Auxiliary integrated electric boiler. The units can also be connected to a 1x230V network with 40A"B"(221), resp. 50A"B"(261).
- ³⁾ Design power at outdoor temperature -10 °C according to ČSN EN 14 825

| Design power ar ourdoor temperature -10 C according to CSIN EIN 14 to | J2J. |
|---|---------------------|
| Options | Price EUR EXW CZ |
| Internet HP control Master | 490,- |
| Full Cooling reversing | 290,- |
| Desuperheater | 315,- |
| Terminal pAD temperature compensation | 185,- |
| Terminal pADh floor cooling | 285,- |
| Expanded control module | 429,- |
| Evap. with Corrosion Resistant Coating (single fan) | 160,- |
| Evap. with Corrosion Resistant Coating (2 fans) | 200,- |
| Modification to IndoorSplit | 980,- |
| External unit colour on demand RAL code | 260,- |
| External unit 4legs vertical or console | FOC |
| External unit (silver colour) | FOC |
| Internal unit (silver or red colour) | F0C |

RAL 3020

Standard equipment

- ✓ Graphic terminal PGD
- ✓ Variable output Inverter Compressor
- ✓ New low-noise fan
- ✓ Equitherm control system MaR
- ✓ Built-in immersion heater and circulation pump
- ✓ Main power supply switch
- ✓ Electronically controlled coolant injection

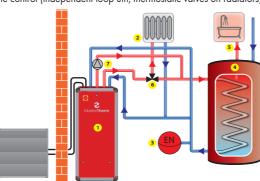
Features

- ► Split construction
- ► Use for heating and cooling
- ► The temperature of heating water to 60 °C
- ► Temperatures range from +35 °C to -20 °C
- ► Very easy installation, quiet operation
- No buffer tank required
- ► Control up to 6 heating circuits

Heat pump connected directly to the heating system with 3wv for domestic hot water (dhw) preparation.

1-heat pump, 2-heating system, 3-expansion vessel, 4-dhw tank with coil, 5-dhw outlet, 6-3way valve, 7- desuperheater circulator pump

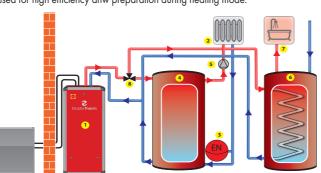
The heat pump (1) is directly connected to heating system. Heating water temperature is controlled according to a weather compensation curve. Production of hot water is a priority over the heating system by switching the 3wv (6) to the dhw tank (4). The heat pump increases the outlet water temperature until the requested dhw temperature is achieved, once achieved the heat pump switches the 3wv back to heating operation. This type of system is ideally suited to underfloor heating systems (ufh) but also systems with radiators with a large volume of heating water utilising our pAD room terminal. The desuperheater (optional equipment) is a additional exchanger which harvests high potential energy from compressor outlet. An independent circuit with circulator pump (9) is used for high efficiency dhw preparation during heating mode. This solution limits the possibility of local zone control (independent loop ufh, thermostatic valves on radiators).



Heat pump connected to a buffer tank and 3wv to the domestic hot

1-heat pump, 2-heating system, 3-expansion vessel, 4-buffer tank, 5-heating circulator pump, 6-dhw tank with coil, 7- dhw outlet, 8-3way valve

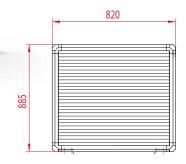
The heat pump (1) is directly connected to heating system. Heating water temperature is controlled according to a weather compensation curve. Production of hot water is a priority over the heating system by switching the 3wv (6) to the dhw tank (4). The heat pump increases the outlet water temperature until the requested dhw temperature is achieved, once achieved the heat pump switches the 3wv back to heating operation. This type of system is ideally suited to underfloor heating systems (ufh) but also systems with radiators with a large volume of heating water utilising our pAD room terminal. This solution limits the possibility of local zone control (independent loop ufh, thermostatic valves on radiators). The desuperheater (optional equipment) is a additional exchanger which harvests high potential energy from compressor outlet. An independent circuit with circulator pump (9) is used for high efficiency dhw preparation during heating mode.

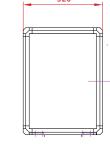


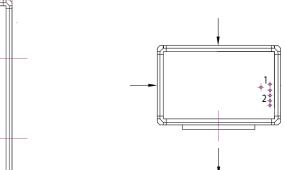


| Heating circuits control | PLUS (pCO5) |
|---------------------------|----------------------------------|
| Intended for | multi-circuit heating systems |
| Main heating circuit | Yes |
| Secondary heating circuit | 2 independent including mixing |
| Room temperature | In 2 zones |
| SHW | Yes |
| Optional | Up to 6 heating circuits |

External unit BA22IS and 26IS:

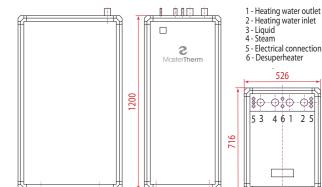


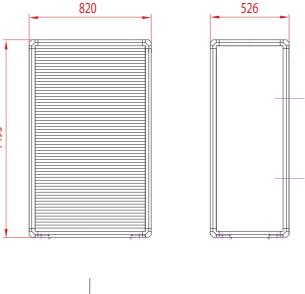




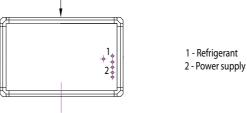


Internal unit:





External unit BA37IS and 45IS:



BOXAIT Inverter Split Combi

NEW DESIGN OF EXTERNAL UNITS





















In 2 zones

1 - Refrigerant 2 - Power supply

air to water, split, inverter, built-in stainless steel tray 170 l outdoor or indoor installation

| Model | A7W35 | Heat loss Qz (kW) | | OHz ¹⁾ | A2W35 6 | 0Hz | A-7W35 | 80Hz | A-15W35 9 | 0Hz | | | | efficiency tion 35°C | Seasonal heatin - medium-temper | ig energy eff rature opera | iciency tion 55°C | | Circuit b | reaker ²⁾ | Compressor, supply voltage 3ph/1ph | Weight (kg) | circuit | Price EUR EXW CZ |
|-------------------|------------|----------------------|------------|-------------------|------------|-----|-----------|------|------------|-----|------------|------|------|-------------------------|------------------------------------|-------------------------------|----------------------|-------------|---------------|----------------------|--|----------------|-------------|---------------------|
| | Power (kW) | | Power (kW) |) COP | Power (kW) | СОР | Power (kW | COP | Power (kW) | СОР | Power (kW) | SCOP | ηs % | Class | Power (kW) 3) | SCOP | ηs % | Class | 3 phase units | 1 phase units | 3p.w.rp.n | | EP 517/2014 | 2 C2 |
| BoxAir-22ISC | 2-7 | to 5,5 | 4,9 | 4,7 | 3,6 | 3,5 | 3,6 | 2,8 | 3,2 | 2,6 | 5 | 4,18 | 164 | A++ | 4 | 3,22 | 126 | A++ | 16A"B" | 20A"B" | 1x230/1x230 V~ | 260 | no | 9 770,- |
| BoxAir-26ISC | 3-9 | to 8,5 | 8,1 | 4,6 | 5,6 | 3,5 | 5,5 | 2,8 | 5,1 | 2,4 | 6,5 | 4,28 | 168 | A++ | 6,3 | 3,24 | 126 | A++ | 20A"B" | 20A"B" | 1x230/1x230 V~ | 265 | no | 10 080,- |
| external unit - s | ingle fan | | | | | | | | | | | | | | | | | | | | | 50 | | FOC |
| BoxAir-37ISC | 5-17 | to 13 | 11,5 | 4,7 | 8,8 | 3,7 | 8,7 | 2,8 | 8,2 | 2,3 | 11 | 4,48 | 176 | A+++ | 10 | 3,50 | 137 | A ++ | 25A"B" | | 3x400 V~ | | no | 11 930,- |
| external unit - 2 | fans | | | | | | | | | | | | | | | | | | | | | 70 | | FOC |

³⁾ Design power at outdoor temperature -10 °C according to ČSN EN 14 825.

| Options | Price EUR EXW CZ |
|---|---------------------|
| Internet HP control Master | 490,- |
| Full Cooling reversing | 290,- |
| Terminal pAD temperature compensation | 185,- |
| Terminal pADh floor cooling | 285,- |
| Expanded control module | 429,- |
| Evap. with Corrosion Resistant Coating (single fan) | 160,- |
| Evap. with Corrosion Resistant Coating (2 fans) | 200,- |
| Modification to IndoorSplit | 980,- |
| External unit colour on demand RAL code | 260,- |
| External unit 4legs vertical or console | FOC |
| External unit (silver, red or green colour) | FOC |
| Internal unit (silver or red colour) | FOC |
| RAL 9006 RA | L 3020 |

Standard equipment

- ✓ Stainless steel tray with a capacity of 170 l with integrated solar exchanger
- ✓ Graphic terminal PGD
- ✓ Variable output Inverter Compressor
- ✓ New low-noise fan
- ✓ Equitherm control system MaR
- ✓ Built-in immersion heater and circulation pump
- ✓ Main power supply switch
- ✓ Electronically controlled coolant injection

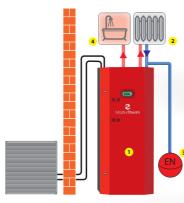
Features

- ► Split construction
- ► Use for heating and cooling
- ► The temperature of heating water to 60 °C
- ► Temperatures range from +35 °C to -20 °C
- ► Very easy installation, quiet operation
- No buffer tank required
- ► Control up to 6 heating circuits

Heat pump connected directly to the heating system with in-built 170l dhw cylinder

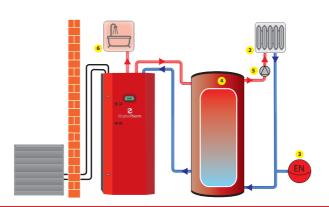
1-heat pump, 2-heating system, 3-expansion vessel, 7-dhw outlet

The heat pump (1) is directly connected to heating system. Heating water temperature is controlled according to a weather compensation curve. Production of hot water is a priority over the heating system and is prepared via the internal cylinder. This type of system is ideally suited to underfloor heating systems (ufh) but also systems with radiators with a large volume of heating water utilising our pAD room terminal. This solution limits the possibility of local zone control (independent loop ufh, thermostatic valves on radiators).



Heat pump connected to a buffer tank with in-built 170l dhw cylinder 1-heat pump, 2-heating system, 3-expansion vessel, 4- buffer tank, 5- heating circulation pump, 7-dhw outlet

Heat pump (1) connected to the heating system through a buffer tank (4) which has the function of thermal buffer and a low loss header. Heating water temperature is controlled according to a weather compensation curve. The flow to the heating system is controlled by the main heating circulation pump. Production of hot water is a priority over the heating system and is prepared via the internal cylinder. This solution is ideally suited to systems with low heat buffering capacity and systems that require independent room zone control. Additionally, this type of system has the ability to integrate a secondary source of heat into the buffer tank (4) such as a wood stove with back boiler.





Internal unit: External unit: BA37ISC 820 2 MasterTherm | | 1 - Refrigerant 2 - Power supply

¹⁾ Performance data according to ČSN EN 14 511, in accordance with the EHPA requirements for quality mark Q. A7W35 60 Hz - air 7 °C, water 35 °C, compressor frequency 60 Hz

²⁾ Recommended value of el. 3x400V fuse, incl. Auxiliary integrated electric boiler. The units can also be connected to a 1x230V network with 40A"B"(221), resp. 50A"B"(261).

AquaMaster























brine to water, water to water, on-off

| Model | B0W35 | 1) | W10W3 | 35 | | al heating e emperature | | | | | g energy ef ature opera | | Circuit breake | er ²⁾ | Compressor, supply voltage | Weight (kg) | Leakage control of refrigerant circuit | STANDARD (µPC) Price EUR | PLUS (pCO5) Price EUR |
|-------------------|------------|-----|------------|-----|--------------------------|----------------------------|------|-------|--------------------------|------|----------------------------|-------|----------------|------------------|-------------------------------|----------------|--|-----------------------------|--------------------------|
| | Power (kW) | СОР | Power (kW) | COP | Power (kW) ³⁾ | SCOP | ηs % | Class | Power (kW) ³⁾ | SCOP | ηs % | Class | 3 phase units | 1 phase units | 3ph/1ph | (kg) | EP 517/2014 | EXW CZ | EXW CZ |
| AquaMaster_22Z | 7,8 | 4,5 | 10,4 | 5,9 | 8 | 4,50 | 172 | A++ | 7 | 3,17 | 117 | A+ | 3x 9A"C" | 20A"C" | 3x400/1x230 V~ | 140 | no | 5 660,- | 6 030,- |
| AquaMaster_26Z | 10,1 | 4,4 | 13,3 | 5,7 | 10 | 4,34 | 166 | A++ | 9 | 3,11 | 116 | A+ | 3x 13A"C" | 25A"C" | 3x400/1x230 V~ | 160 | no | 5 900,- | 6 290,- |
| AquaMaster_30Z | 11,4 | 4,4 | 14,9 | 5,5 | 11 | 4,29 | 164 | A++ | 11 | 3,10 | 116 | A+ | 3x 13A"C" | 32A"C" | 3x400/1x230 V~ | 165 | no | 6 140,- | 6 520,- |
| AquaMaster_37Z | 14,1 | 4,3 | 18,4 | 5,4 | 14 | 4,46 | 170 | A++ | 13 | 3,16 | 118 | A+ | 3x 16A"C" | 32A"C" | 3x400/1x230 V~ | 180 | no | 6 720,- | 7 100,- |
| AquaMaster_45Z | 17,2 | 4,4 | 22,5 | 5,5 | 17 | 4,61 | 176 | A+++ | 16 | 3,19 | 120 | A+ | 3x 16A"C" | - | 3x400 V~ | 190 | no | 7 050,- | 7 430,- |
| AquaMaster_60Z | 23,1 | 4,2 | 31,2 | 5,4 | 23 | 4,27 | 163 | A++ | 22 | 3,14 | 118 | A+ | 3x 25A"C" | - | 3x400 V~ | 245 | no | - | 8 960,- |
| AquaMaster_75Z | 28,2 | 4,1 | 37,7 | 5,2 | 28 | 4,25 | 162 | A++ | 26 | 3,11 | 116 | A+ | 3x 25A"C" | - | 3x400 V~ | 255 | no | - | 9 370,- |
| AquaMaster_90Z | 33,2 | 4,3 | 45,0 | 5,4 | 33 | 4,42 | 169 | A++ | 30 | 3,10 | 116 | A+ | 3x 32A"C" | - | 3x400 V~ | 275 | no | - | 9 820,- |
| AquaMaster_120.2Z | 46,8 | 4,2 | 64,6 | 5,6 | 47 | 4,51 | 172 | A++ | 43 | 3,22 | 121 | A+ | 3x 50A"C" | - | 3x400 V~ | 420 | yes | - | 17 030,- |
| AquaMaster_150.2Z | 57,7 | 4,2 | 79,3 | 5,6 | 57 | 4,38 | 167 | A++ | 52 | 3,19 | 119 | A+ | 3x 50A"C" | - | 3x400 V~ | 420 | yes | - | 18 470,- |
| AquaMaster_180.2Z | 64,4 | 4,1 | 90,9 | 5,5 | 64 | 4,50 | 172 | A++ | 61 | 3,35 | 126 | A++ | 3x 64A"C" | - | 3x400 V~ | 420 | yes | - | 19 060,- |
| AquaMaster_240.2Z | 91,5 | 4,7 | 121,6 | 6,1 | 93 | 5,44 | 210 | A+++ | 75 | 3,81 | 145 | A++ | 3x 63A"C" | - | 3x400 V~ | 420 | yes | - | 22 590,- |

- 1) Performance data according to ČSN EN 14 511. B0W35 antifreeze mixture 0 $^{\circ}$ C, water 35 $^{\circ}$ C.
- 2) Recommended value of el. 3x 400 V fuse as standard, without auxiliary electric boiler
- 3) Design power at outdoor temperature -10 $^{\circ}$ C according to ČSN EN 14 825.

| Options | Price EUR EXW CZ |
|--|---------------------|
| Internet HP control Master | 490,- |
| Full Cooling reversing (for models: 22Z-90Z) | 1 218,- |
| Passive Cooling module (for models: 22Z-37Z) | 1 100,- |
| Terminal pAD temperature compensation | 185,- |
| Terminal pADh floor cooling | 285,- |
| Desuperheater | 315,- |
| Three phase relay | 78,- |
| Softstart | 473,- |
| AQ Electric heater 4,5 kW / 6,0 kW / 7,5 kW | 404,- |
| Expanded control module for PLUS version | 429,- |
| Refrigerant 134a high temperature | FOC |
| Water to water version | FOC |
| Internal unit (silver or red colour) | FOC |
| RAI 9006 RA | L 3020 |

Standard equipment

- ✓ Integrated graphic terminal PGD
- ✓ Electronically controlled coolant injection
- ✓ Equitherm control system MaR
- ✔ Built-in circulator pumps for primary and secondary circuits
- ✓ Main power supply switch

Features

- ► Use for heating and cooling
- ► The temperature of heating water to 60°C
- ► Quiet operation
- Control up to 6 heating circuits

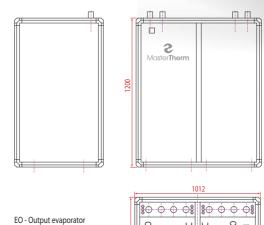
Heat pump connected to a buffer tank and 3wv to the domestic hot water cylinder (dhw) with desuperheater.

1-heat pump, 2-heating system, 3-expansion vessel, 4-buffer tank, 5-heating circulation pump, 6-dhw tank with coil, 7- dhw outlet, 8-3way valve, 9-desuperheater circulation pump

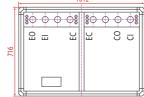
Heat pump (1) connected to the heating system through a buffer tank (4) which has the function of thermal buffer and a low loss header. Heating water temperature is controlled according to a weather compensation curve. The flow to the heating system is controlled by the main heating circulation pump. Production of hot water is a priority over the heating system by switching the 3wv (8) to the dhw tank (6). The heat pump increases the outlet water temperature until the requested dhw temperature is achieved, once achieved the heat pump switches the 3wv back to heating operation. When dhw requested temperature is achieved the heat pump controller moves 3wv back to heating operation. The desuperheater (optional equipment) is a additional exchanger which harvests high potential energy from compressor outlet. An independent circuit with circulator pump (9) is used for high efficiency dhw preparation during heating mode.



Dimensions and connections: 120.2Z - 180.2Z



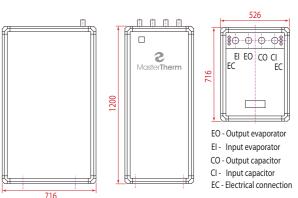
- EO Output evaporat
- EI Input evaporator
- CO Output capacitor
- CI Input capacitor EC - Electrical connection

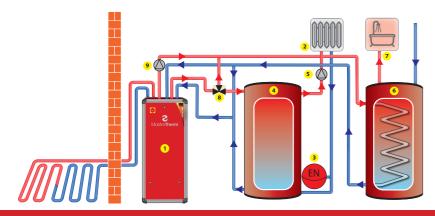


| Heating circuits control | STANDARD (μPC) | PLUS (pCO5) |
|---------------------------|-----------------------------------|----------------------------------|
| Intended for | single-circuit heating systems | multi-circuit heating systems |
| Main heating circuit | Yes | Yes |
| Secondary heating circuit | No | 2 independent including mixing |
| Room temperature | In 1 zone | In 2 zones |
| SHW | Yes | Yes |
| Optional | No | Up to 6 heating circuits |
| | | |



Dimensions and connections: 22Z - 90Z





AquaMaster Inverter

























brine to water, water to water, inverter

| Model | B0W35 | BOW35 | 51) | W10W35 | | Se - | Seasonal h - medium-ter | eating energ mperature o | gy efficio operatio | ency n 55°C | Circuit b | reaker²) | Compressor, supply voltage | Weight | Leakage control of refrigerant circuit | STANDARD (μPC) | PLUS (pCO5) | | | |
|-------------------------|----------|--------------------|-----|----------|------|-------------|----------------------------|-----------------------------|------------------------|------------------------|-----------|----------|-------------------------------|---------------|--|-------------------|----------------|-------------|------------------|---------------|
| | Power kW | Power kW | СОР | Power kW | СОР | Power kW 4) | SCOP | ηs % | Class | Power kW ⁴⁾ | SCOP | ης % | Class | 3 phase units | 1 phase units | 3ph/1ph | (ky) | EP 517/2014 | Price EUR EXW CZ | Price EUR EXW |
| AquaMaster Inverter-17I | 1–5 | 2,95 | 4,3 | 3,79 | 5,51 | 5 | 4,65 | 179 | A+++ | 4 | 3,53 | 133 | A++ | 1x 20 A"B" | 20A"B" | 1x230/1x230 V~ | 60 | no | 5 820,- | - |
| AquaMaster Inverter-22I | 2–7 | 4,4 | 4,5 | 5,8 | 5,9 | 7 | 4,61 | 177 | A+++ | 6 | 3,53 | 133 | A++ | 1x 20 A"B" | 20A"B" | 1x230/1x230 V~ | 160 | no | 6 950,- | 7 330,- |
| AquaMaster Inverter-26I | 3–9 | 7,6 | 4,5 | 10,2 | 6,0 | 9 | 4,83 | 185 | A+++ | 9 | 3,74 | 141 | A++ | 1x 20 A"B" | 20A"B" | 1x230/1x230 V~ | 160 | no | 7 260,- | 7 640,- |
| AquaMaster Inverter-30I | 4–12 | 7,9 | 4,6 | 10,3 | 6,1 | 11 | 4,85 | 186 | A+++ | 11 | 3,78 | 143 | A++ | 1x 25 A"B" | 25A"B" | 1x230/1x230 V~ | 160 | no | 7 620,- | 8 000,- |
| AquaMaster Inverter-37I | 5–15 | 10,5 | 4,7 | 14,2 | 6,3 | 15 | 5,00 | 193 | A+++ | 14 | 3,94 | 149 | A++ | 3x 20 A"B" | 32A"B" | 3x400/1x230 V~ | 165 | no | 8 220,- | 8 600,- |
| AquaMaster Inverter-45I | 7–22 | 14,0 | 4,6 | 19,2 | 6,3 | 21 | 4,80 | 184 | A+++ | 19 | 3,70 | 140 | A++ | 3x 20 A"B" | 32A"B" | 3x400/1x230 V~ | 170 | no | 8 790,- | 9 170,- |
| AquaMaster Inverter-60I | 7–35 | 20,2 | 4,7 | 26,6 | 6,2 | 33 | 5,02 | 193 | A+++ | 33 | 3,97 | 151 | A+++ | 3x 32 A"B" | - | 3x400 V~ | 180 | no | - | 11 570,- |
| AquaMaster Inverter-90I | 10-48 | 31,3 ³⁾ | 4,6 | 41,2 3) | 5,9 | 44 | 4,87 | 187 | A+++ | 43 | 3,87 | 147 | A++ | 3x 40 A"B" | - | 3x400 V~ | 200 | no | - | 13 800,- |

- 1) Performance data according to ČSN EN 14 511, in accordance with the EHPA requirements for quality mark Q. BOW35 60 Hz - antifreeze mixture 0 °C, water 35 °C, compressor frequency 60 Hz
- 2) Recommended value of el. Safety in basic equipment, without auxiliary electric boiler
- 3) Data for 901 at 90 Hz
- ⁴⁾ Design power at outdoor temperature -10 °C according to ČSN EN 14 825.

| Options | | Price EUR EXW CZ |
|--|----------|---------------------|
| Internet HP control Master | | 490,- |
| Full Cooling reversing | | 1 218,- |
| Passive Cooling module (for models: 22I-45I) | | 1 100,- |
| Terminal pAD temperature compensation | | 185,- |
| Terminal pADh floor cooling | | 285,- |
| Desuperheater | | 315,- |
| AQ Electric heater 4,5 kW / 6,0 kW / 7,5 kW | | 404,- |
| Expanded control module for PLUS version | | 429,- |
| Water to water version | | F0C |
| Internal unit (silver or red colour) | | F0C |
| DAI 0006 | DVI 2020 | |

Standard equipment

- ✓ Integrated graphic terminal PGD
- ✓ Variable output Inverter Compressor
- ✓ Equitherm control system MaR
- ✓ Electronically controlled coolant injection
- ✓ Main power supply switch
- ✔ Built-in circulator pumps for primary and secondary circuits

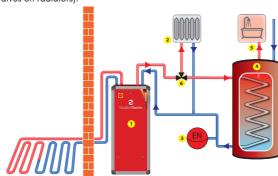
Features

- ▶ Use for heating and cooling
- ► Continuous control of heating power
- ► Brine pump speed control
- ► The temperature of heating water to 60 °C
- ► Water / water version on request
- ▶ Quiet operation, No buffer tank required
- ► Control up to 6 heating circuits

Heat pump connected directly to the heating system with 3wv for domestic hot water (dhw) preparation.

1-heat pump, 2-heating system, 3-expansion vessel, 4-dhw tank with coil, 5-dhw outlet, 6-3way valve

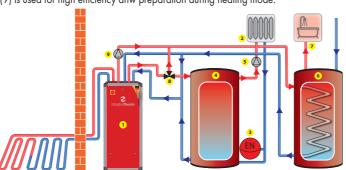
The heat pump (1) is directly connected to heating system. Heating water temperature is controlled according to a weather compensation curve. Production of hot water is a priority over the heating system by switching the 3wv (6) to the dhw tank (4). The heat pump increases the outlet water temperature until the requested dhw temperature is achieved, once achieved the heat pump switches the 3wv back to heating operation. This type of system is ideally suited to underfloor heating systems (ufh) but also systems with radiators with a large volume of heating water utilising our pAD room terminal. This solution limits the possibility of local zone control (independent loop ufh, thermostatic valves on radiators).



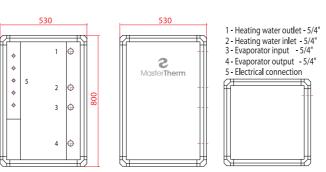
Heat pump connected to a buffer tank and 3wv to the domestic hot water cylinder (dhw) with desuperheater.

1-heat pump, 2-heating system, 3-expansion vessel, 4-buffer tank, 5-heating circulation pump, 6-dhw tank with coil, 7- dhw outlet, 8-3way valve, 9-desuperheater circulation pump

Heat pump (1) connected to the heating system through a buffer tank (4) which has the function of thermal buffer and a low loss header. Heating water temperature is controlled according to a weather compensation curve. The flow to the heating system is controlled by the main heating circulation pump. Production of hot water is a priority over the heating system by switching the 3wv (8) to the dhw tank (6). The heat pump increases the outlet water temperature until the requested dhw temperature is achieved, once achieved the heat pump switches the 3wv back to heating operation. When dhw requested temperature is achieved the heat pump controller moves 3wv back to heating operation. The desuperheater (optional equipment) is a additional exchanger which harvests high potential energy from compressor outlet. An independent circuit with circulator pump (9) is used for high efficiency dhw preparation during heating mode.



Dimensions and connections: AQ171



| Heating circuits control | STANDARD (µPC) | PLUS (pCO5) |
|---------------------------|-----------------------------------|----------------------------------|
| Intended for | single-circuit heating systems | multi-circuit heating systems |
| Main heating circuit | Yes | Yes |
| Secondary heating circuit | No | 2 independent including mixing |
| Room temperature | In 1 zone | In 2 zones |
| SHW | Yes | Yes |
| Optional | No | Up to 6 heating circuits |

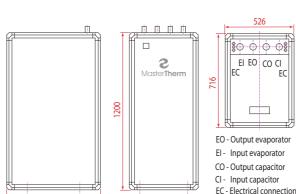
Model AQ221 to AQ601

Model AQ901

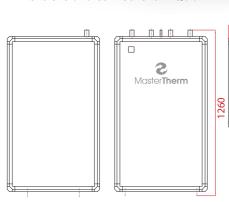


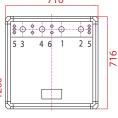
Dimensions and connections: AQ221 - AQ601:

Model AQ17I



Dimensions and connections: AQ901





- 1 Heating water outlet 5/4"
- 2 Heating water inlet 5/4"
- 3 Evaporator input 5/4"
- 4 Evaporator output 5/4"
- 5 Electrical connection 6 - Desuperheater - 2x15mm

Aqua Master Inverter Combi





















brine to water, water to water, inverter, built-in stainless steel tray 170 l

2 Master**Therm**

会会

| Model | B0W35 | BOW3: | 5 ¹⁾ | W10W35 | | Se - | Seasonal heat - medium-temp | | | | Circuit b | reaker ²⁾ | Compressor, supply voltage | Weight | Leakage control of refrigerant circuit | STANDARD (μPC) | PLUS (pCO5) | | | |
|--------------------------|----------|-------|-----------------|--------|----------|---------|--------------------------------|-------|------------------------|---------------------|-----------|----------------------|-------------------------------|---------------|--|-------------------|----------------|------------------|------------------|----------|
| | Power kW | | | СОР | Power kW | SCOP | ηs % | Class | Power kW ³⁾ | ower kW³) SCOP ηs | | Class | 3 phase units | 1 phase units | 3ph/1ph | (kg) | EP 517/2014 | Price EUR EXW CZ | Price EUR EXW CZ | |
| AquaMaster Inverter 17IC | 1–5 | 2,95 | 4,3 | 3,79 | 5,51 | 5 | 4,65 | 179 | A+++ | 4 | 3,53 | 133 | A++ | 1x 20 A"B" | 20A"B" | 1x230/1x230 V~ | 270 | no | 9 290,- | 9 660,- |
| AquaMaster Inverter 22IC | 2–7 | 4,4 | 4,5 | 5,8 | 5,9 | 7 | 4,61 | 177 | A+++ | 6 | 3,53 | 133 | A++ | 1x20 A"B" | 20A"B" | 1x230/1x230 V~ | 270 | no | 9 390,- | 9 780,- |
| AquaMaster Inverter 26IC | 3–9 | 7,6 | 4,5 | 10,2 | 6,0 | 9 | 4,63 | 185 | A+++ | 9 | 3,74 | 141 | A++ | 1x20 A"B" | 20A"B" | 1x230/1x230 V~ | 270 | no | 9 650,- | 10 040,- |
| AquaMaster Inverter 30IC | 4–12 | 7,9 | 4,6 | 10,3 | 6,1 | 11 | 4,85 | 186 | A+++ | 11 | 3,78 | 143 | A++ | 1x25 A"B" | 25A"B" | 1x230/1x230 V~ | 275 | no | 10 380,- | 10 760,- |
| AquaMaster Inverter 37IC | 5–15 | 10,5 | 4,7 | 14,2 | 6,3 | 15 | 5,00 | 193 | A+++ | 14 | 3,94 | 149 | A++ | 3x20 A"B" | 32A"B" | 3x400/1x230 V~ | 280 | no | 10 650,- | 11 030,- |

- 11 Performance data according to ČSN EN 14 511, in accordance with the EHPA requirements for quality mark Q. B0W35 60Hz antifreeze mixture 0 $^{\circ}$ C, water 35 $^{\circ}$ C, compressor frequency 60Hz
- ²¹ Recommended value of el. 3x400V fuse with basic equipment incl. Electric boiler. The 22IC and 30 ICs can also be connected to a 1x230V grid with 40A "B" (22IC) 50A "B" (30IC)
- $^{3)}$ Design power at outdoor temperature -10 $^{\circ}$ C according to ČSN EN 14 825.

| Options | | Price EUR EXW CZ |
|--------------------------------------|----------|---------------------|
| Internet HP control Master | | 490,- |
| Passive Cooling module | | 1 100,- |
| Terminal pAD temperature compensa | ition | 185,- |
| Terminal pADh floor cooling | | 285,- |
| Expanded control module for PLUS ve | ersion | 429,- |
| Internal unit (silver or red colour) | | FOC |
| RAL 9006 | RAL 3020 | |

Standard equipment

- ✓ Stainless steel tray with a capacity of 170 l with integrated solar exchanger
- ✓ Integrated graphic terminal PGD
- ✓ Special compressor with variable speed control
- ✓ Equitherm control system MaR
- ✓ Electronically controlled coolant injection
- ✓ Electric boiler 4.5 kW
- ✓ Main power supply switch

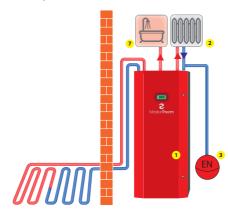
Features

- ▶ Use for heating and cooling
- ► Continuous control of heating power
- ▶ High efficiency hot water heating, heating water temperature up to 60 °C
- ► Heating system on 0,5 m²
- ► Quiet operation
- ► No buffer tank required
- ► Control up to 6 heating circuits

Heat pump connected directly to the heating system with in-built 170l dhw cylinder.

1-heat pump, 2-heating system, 3-expansion vesel, 7-dhw outlet

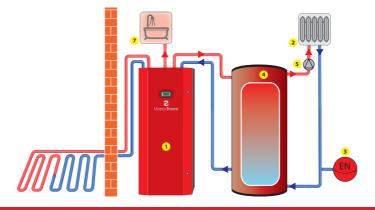
The heat pump (1) is directly connected to heating system. Heating water temperature is controlled according to a weather compensation curve. Production of hot water is a priority over the heating system and is prepared via the internal cylinder. This type of system is ideally suited to underfloor heating systems (ufh) but also systems with radiators with a large volume of heating water utilising our pAD room terminal. This solution limits the possibility of local zone control (independent loop ufh, thermostatic valves on radiators).



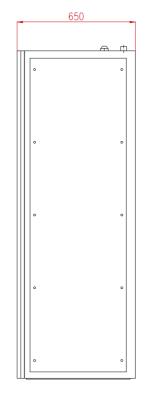
Heat pump connected to a buffer tank with in-built 170l dhw cylinder.

1-heat pump, 2-heating system, 3-expansion vessel, 4- buffer tank, 5- heating circulation pump, 7-dhw outlet

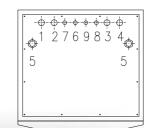
Heat pump (1) connected to the heating system through a buffer tank (4) which has the function of thermal buffer and a low loss header. Heating water temperature is controlled according to a weather compensation curve. The flow to the heating system is controlled by the main heating circulation pump. Production of hot water is a priority over the heating system and is prepared via the internal cylinder. This solution is ideally suited to systems with low heat buffering capacity and systems that require independent room zone control. Additionally, this type of system has the ability to integrate a secondary source of heat into the buffer tank (4) such as a wood stove with back boiler.



Dimensions and connections:



- 1 Water / Mix Input
- 2 Water / Mix Output
- 3 Heating water outlet
- 4 Heating water inlet 5 - Electrical connection
- 5 Electrical c
- 7 HW Output
- 8 CW Input
- 9 CW Output



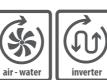
| Heating circuits control | STANDARD (μPC) | PLUS (pCO5) |
|---------------------------|-----------------------------------|----------------------------------|
| Intended for | single-circuit heating systems | multi-circuit heating systems |
| Main heating circuit | Yes | Yes |
| Secondary heating circuit | No | 2 independent including mixing |
| Room temperature | In 1 zone | In 2 zones |
| SHW | Yes | Yes |
| Optional | No | Up to 6 heating circuits |



HEAT PUMPS

FOR LARGE OBJECTS

























| Model | A7W35 Heat A7W35 A2W35 | | 35 | A-7W35 | | A-15W3 | A-15W35 Seasonal heating energy efficiency - low-temperature operation 35°C | | | | heating energent temperature o | | : | Max. heating water temparature | Circuit breaker ²⁾ | Compressor, supply voltage | Weight (ka) | Leakage control of refrigerant circuit | Price EUR EXW CZ | | | | | |
|----------------------------|------------------------|---------|----------|--------|----------|--------|---|------|----------|------|-----------------------------------|------|------|--------------------------------------|----------------------------------|----------------------------------|----------------|--|---------------------|--------|----------|--------|-------------|----------|
| | Power kW | Qz (kW) | Power kW | СОР | Power kW | СОР | Power kW | СОР | Power kW | СОР | Power kW ³⁾ | SCOP | ης % | Class | Power kW ³⁾ | SCOP | ηs % | Class | (°C) | | 3ph/1ph | | EP 517/2014 | _ |
| BoxAir Inverter (co | mpact, inve | rter) | 60 H | Z | 60 H | łz | 80 H | Z | 90 Hz | | | | | | | | | | | | | | | |
| BA60I | 10-35 | to 28 | 22,3 | 4,84 | 15,8 | 3,65 | 18,1 | 2,98 | 19,2 | 2,65 | 22 | 4,47 | 176 | A+++ | 24 | 3,42 | 134 | A++ | 64 | 40A"B" | 3x400 V~ | 275 | yes | 13 220,- |
| BoxAir Inverter Sp | lit (split, inv | erter) | 60 H | Z | 60 H | łz | 80 H | Z | 90 Hz | | | | | | | | | | | | | | | |
| BA60IS | 10-35 | to 28 | 22,3 | 4,84 | 15,8 | 3,65 | 18,1 | 2,98 | 19,2 | 2,65 | 22 | 4,47 | 176 | A+++ | 24 | 3,42 | 134 | A++ | 64 | 40A"B" | 3x400 V~ | 200+80 | yes | 14 350,- |
| BoxAir (compact, on | ı-off) | | | | | | | | | | | | | | | | | | | | | | | |
| BA75Z | 30,8 | to 31 | 30,8 | 4,0 | 23,2 | 3,2 | 18,5 | 2,6 | | | 31 | 3,61 | 141 | A+ | 30 | 2,92 | 114 | A+ | 55 | 25A"C" | 3x400 V~ | 275 | yes | 11 680,- |
| EasyMaster (split, o | n-off) | | | | | | | | | | | | | | | | | | | | | | | |
| EM60Z | 24,6 | to 25 | 24,6 | 4,1 | 18,8 | 3,2 | 15,0 | 2,7 | | | 25 | 3,56 | 140 | A+ | 24 | 2,86 | 111 | A+ | 55 | 25A"C" | 3x400 V~ | 200+80 | yes | 11 700,- |
| EM75Z | 30,8 | to 31 | 30,8 | 4,0 | 23,2 | 3,2 | 18,5 | 2,6 | | | 31 | 3,61 | 141 | A+ | 30 | 2,92 | 114 | A+ | 55 | 25A"C" | 3x400 V~ | 200+80 | yes | 12 830,- |

¹⁾ Performance data according to ČSN EN 14 511, in accordance with the EHPA requirements for quality mark Q. A7W35 60 Hz - air 7 °C, water 35 °C, compressor frequency 60 Hz ²⁾ Recommended value of el. 3x400V fuse, incl. Auxiliary integrated electric boiler.

³⁾ Design power at outdoor temperature -10 ° C according to ČSN EN 14 825.

| Options | Price EUR EXW CZ |
|---|---------------------|
| Internet HP control Master | 490,- |
| Full Cooling reversing | 290,- |
| Terminal pAD temperature compensation | 185,- |
| Terminal pADh floor cooling | 285,- |
| Expanded control module | 429,- |
| Cascade control Master Lan | FOC |
| Communication protocol ModBUS RTU | FOC |
| Internal unit (silver or red colour) | FOC |
| External unit (silver) | FOC |
| External unit colour on demand RAL code | 260,- |
| for models EM60Z, EM75Z and BA60IS: | |
| Ext.electric heater 7,5+7,5 kW | 1 720,- |
| Ext.electric heater 12+18 kW | 1 940,- |
| Desuperheater | 315,- |
| Modification to IndoorSplit | 2 086,- |

Standard equipment

- ✓ Electric boiler 6+6 kW (for model BA60I and BA75Z)
- ✓ Integrated graphic terminal PGD
- ✓ Electronically controlled coolant injection
- ✓ Equitherm control system MaR
- ✓ New low-noise fan
- ✓ Built-in circulator pumps for primary and secondary circuits
- ✓ Main power supply switch

Features

- ► Use for heating and cooling
- ► The temperature of heating water to 55 °C (64 °C)
- ► Temperatures range from +40 °C do -20 °C
- ► Very easy installation, quiet operation

► Control up to 6 heating circuits





BA60IS, EM60Z-75Z (split)



BA60I, BA75Z (compact)

Internal unit BA60IS, EM60Z and EM75Z:



5 3 4 6 1 2 5

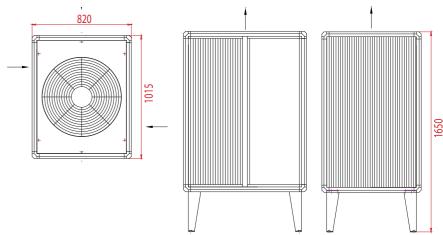
1 - Heating water outlet 2 - Heating water inlet

5 - Electrical connection 6 - Desuperheater

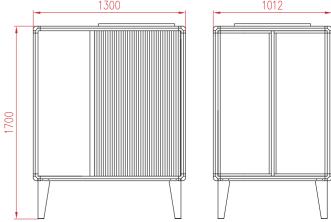
3 - Liquid 4 - Steam



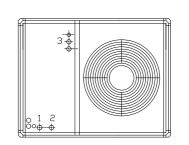
External unit BA60IS, EM60Z and EM75Z:



Compact unit BA601 and BA75Z:



- 1 Heating water outlet2 Heating water inlet3 Electrical connection



AQZHX FOR COOLING AND HEAT RECOVERY













EI EO CO CI







| Model | BOW35 | | W10/W3 | 35 | W40/W | 65 | Max. heating water temparature | Circuit breaker | Compressor | Refrigerant | Weight (kg) | Leakage control of refrigerant | Price EUR EXW CZ |
|------------|----------|------|----------|------|----------|------|-----------------------------------|-----------------|---------------|-------------|----------------|-----------------------------------|---------------------|
| | Power kW | СОР | Power kW | СОР | Power kW | СОР | (°C) | | | | (kg) | circuit EP 517/2014 | EAW CZ |
| AQ40ZHX | 13,80 | 3,94 | 19,62 | 5,57 | 38,56 | 5,92 | 82 | 3x20A"C" | scroll 3x400V | R134a 4,2kg | 230 | no | 14 880,- |
| AQ50ZHX | 18,59 | 4,19 | 26,1 | 5,82 | 51,30 | 6,19 | 82 | 3x25A"C" | scroll 3x400V | R134a 4,4kg | 230 | no | 15 710,- |
| AQ60ZHX | 23,39 | 4,09 | 32,91 | 5,61 | 63,58 | 5,76 | 82 | 3x32A"C" | scroll 3x400V | R134a 4,4kg | 230 | no | 17 580,- |
| AQ75ZHX | 28,24 | 4,13 | 39,47 | 5,67 | 76,31 | 5,86 | 82 | 3x40A"C" | scroll 3x400V | R134a 6,0kg | 400 | no | 20 200,- |
| AQ100.2ZHX | 37,18 | 4,09 | 52,21 | 5,69 | 96,78 | 5,78 | 82 | 3x50A"C" | scroll 3x400V | R134a 10kg | 400 | yes | 27 330,- |

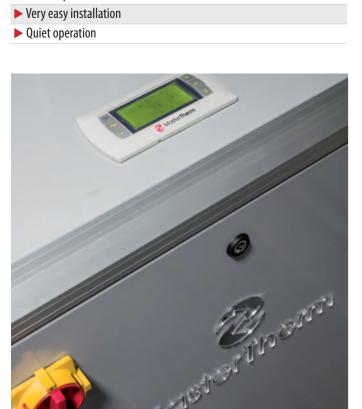
| Options | Price EUR EXW CZ |
|----------------------------|---------------------|
| Internet HP control Master | 490,- |
| Desuperheater | 315,- |
| Expanded control module | 429,- |
| Silver or red colour | FOC |
| RAL 9006 | RAI 3020 |

Standard equipment

- ✓ Built-in immersion heater and circulation pump
- ✓ Cascade control Master Lan
- ✓ Graphic terminal PGD
- ✓ Electronically controlled coolant injection
- ✓ Communication protocol ModBUS RTU

Features

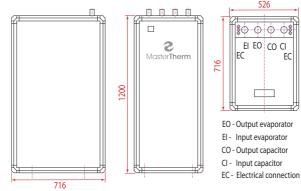
- ► The temperature of heating water to 82 °C
- ► The temperature of source water 45 °C





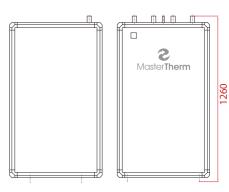


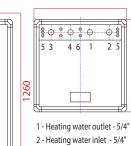
Dimensions and connections: AQ40ZHX – AQ50ZHX





Dimensions and connections: AQ60ZHX

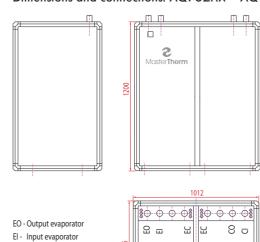




- 3 Evaporator input 5/4"
- 4 Evaporator output 5/4"
- 5 Electrical connection
- 6 Desuperheater 2x15mm



Dimensions and connections: AQ75ZHX – AQ100ZHX



CO - Output capacitor CI - Input capacitor EC - Electrical connection



EVAPORATOR FOR INDOOR INSTALLATION (AIR TO WATER)

| Modification to IndoorSplit | | | | | | | | | |
|--------------------------------|--------------------------|---------------------|--|--|--|--|--|--|--|
| Designed for heat pumps | Suction / Discharge | Price EUR EXW CZ | | | | | | | |
| BA22IS - 45IS, BA22ISC - 37ISC | 1 x Ø 400 / 1 x Ø 400 mm | 980,- | | | | | | | |
| EM60Z a EM75Z | 2 x Ø 400 / 2 x Ø 400 mm | 2 086,- | | | | | | | |

| Options | Price EUR EXW CZ |
|--|---------------------|
| Grille outside the building, discharge | 71,- |
| Grille outside the building, suction | 142,- |
| Flexi pipe with vapor barrier 10 m, \varnothing 406 mm | 356,- |
| Metal sleeve to the pipe | 12,- |

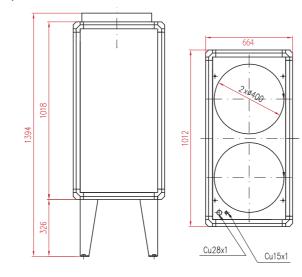
Features

- ► Split construction
- ► Very easy installation, quiet operation
- ▶ Rigid frame from anodized aluminum profile
- ▶ Distance between units up to 15 m
- ► Efficient use of space in smaller boiler rooms
- ▶ Doesn 't affect the external appearance of the building
- ► Absolute elimination of outside noise

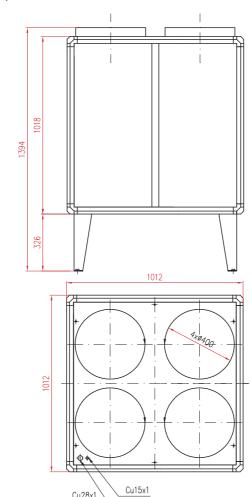




Evaporator unit dimensions 1O2645VK



Evaporator unit dimensions 106075VK



Heat Pumps overview with prices 2020/2021

AQ75ZHX



| Master Therm Heat Pump Model | efficien | cy - low | ating end v-temper on 35°C | | efficiency | Seasonal heating energy iency - medium-temperature operation 55°C | | | Leakage control of cooling circuits | Max. heating water temp. | STANDARD single- circuit heating systems (μPC) | PLUS multi-circuit heating systems (pCO5) | Acoustic power level (Lw) | Acoustic pressure level (Lp) | | |
|------------------------------------|---------------|----------|----------------------------------|------------|---------------|---|-----------|-----------|---|-----------------------------------|--|--|---------------------------------|---------------------------------|-----------------------|----------|
| ac. | power (kW) | SCOP | ηs % | class | power (kW) | SCOP | ηs % | class | EP517/2014 | °C | EUR price EXW | EUR price EXW | dB"A" | exte 1m | rnal unit | 10m |
| Box Air (air to w | vater, com | npact, d | on-off) | | | | | | | | | | | | | |
| BA22Z | 8 | 3,66 | 144 | A+ | 8 | 3,00 | 117 | A+ | no | 55 | 5 980 EUR | 6 370 EUR | 63 | 54 | 42 | 36 |
| BA26Z | 11 | 3,63 | 142 | A+ | 10 | 2,84 | 111 | A+ | no | 55 | 7 050 EUR | 7 430 EUR | 65 | 56 | 44 | 38 |
| BA30Z | 12 | 3,64 | 143 | A+ | 12 | 2,86 | 111 | A+ | no | 55 | 7 260 EUR | 7 640 EUR | 65 | 56 | 44 | 38 |
| BA37Z | 16 | 3,71 | 145 | A+ | 15 | 2,97 | 116 | A+ | no | 55 | 7 450 EUR | 7 840 EUR | 65 | 56 | 44 | 38 |
| BA45Z | 19 | 3,89 | 153 | A++ | 18 | 3,08 | 120 | A+ | no | 55 | 7 900 EUR | 8 280 EUR | 65 | 56 | 44 | 38 |
| BA75Z | 31 | 3,61 | 141 | A+ | 30 | 2,92 | 114 | A+ | yes | 55 | | 11 680 EUR | 69 | 60 | 48 | 42 |
| BoxAir Invert | er - mod | els BA | \22I - E | 3A451 \ | WITH NE | W DE | SIGN!! | ! (air to | water, compa | ct, inverter | •) | | | | | |
| BA22I | 5 | 4,18 | 164 | A++ | 4 | 3,22 | 126 | A++ | no | 60 | 6 690 EUR | 7 070 EUR | 63 | 54 | 42 | 36 |
| BA26I | 7,5 | 4,4 | 173 | A++ | 7 | 3,36 | 132 | A++ | no | 60 | 6 790 EUR | 7 180 EUR | 65 | 56 | 44 | 38 |
| BA30I | 8,5 | 4,49 | 177 | A+++ | 8 | 3,45 | 135 | A++ | no | 60 | 8 210 EUR | 8 590 EUR | 65 | 56 | 44 | 38 |
| BA37I | 11 | 4,48 | 176 | A+++ | 10 | 3,50 | 137 | A++ | no | 60 | 8 790 EUR | 9 170 EUR | 65 | 56 | 44 | 38 |
| BA45I | 14 | 4,3 | 169 | A++ | 13 | 3,32 | 130 | A++ | no | 60 | 9 360 EUR | 9 750 EUR | 65 | 56 | 44 | 38 |
| BA60I | 22 | 4,47 | 176 | A+++ | 24 | 3,42 | 134 | A++ | yes | 64 | | 13 220 EUR | 69 | 60 | 48 | 42 |
| BoxAir Inverte | er - mod | els BA | \22I - E | 3A45I \ | WITH EX | STING | DESIG | GN - D | ISCOUNTED | PRICE (air | to water, compact | , inverter) | | | | |
| BA22I | 5 | 4,18 | 164 | A++ | 4 | 3,22 | 126 | A++ | no | 60 | 6 470 EUR | 6 850 EUR | 63 | 54 | 42 | 36 |
| BA26I | 7,5 | 4,4 | 173 | A++ | 7 | 3,36 | 132 | A++ | no | 60 | 6 570 EUR | 6 960 EUR | 65 | 56 | 44 | 38 |
| BA30I | 8,5 | 4,49 | 177 | A+++ | 8 | 3,45 | 135 | A++ | no | 60 | 7 920 EUR | 8 300 EUR | 65 | 56 | 44 | 38 |
| BA37I | 11 | 4,48 | 176 | A+++ | 10 | 3,50 | 137 | A++ | no | 60 | 8 500 EUR | 8 880 EUR | 65 | 56 | 44 | 38 |
| BA45I | 14 | 4,3 | 169 | A++ | 13 | 3,32 | 130 | A++ | no | 60 | 9 070 EUR | 9 460 EUR | 65 | 56 | 44 | 38 |
| Box Air Invert e | er Split (a | air to w | /ater, sp | olit, inve | rter, also | indoor | installa | tion) | | | | | | | | |
| BA22IS | 5 | 4,18 | 164 | A++ | 4 | 3,22 | 126 | A++ | no | 60 | | 8 390 EUR | 62 | 53 | 41 | 35 |
| BA26IS | 7,5 | 4,4 | 173 | A++ | 7 | 3,36 | 132 | A++ | no | 60 | | 8 490 EUR | 62 | 53 | 41 | 35 |
| BA37IS | 11 | 4,48 | 176 | A+++ | 10 | 3,50 | 137 | A++ | no | 60 | | 9 250 EUR | 65 | 56 | 44 | 38 |
| BA45IS | 14 | 4,3 | 169 | A++ | 13 | 3,32 | 130 | A++ | no | 60 | | 9 910 EUR | 65 | 56 | 44 | 38 |
| BA60IS | 22 | 4,47 | 176 | A+++ | 24 | 3,42 | 134 | A++ | yes | 64 | | 14 350 EUR | 69 | 60 | 48 | 42 |
| Box Air Invert e | er Split C | ombi | (air to v | water, s | plit. inver | er. sta | inless st | eel trav | / 170l. also indo | oor installa | tion) | | | | | |
| BA22ISC | 5 | 4,18 | 164 | A++ | 4 | 3,22 | 126 | A++ | no | 60 | | 9 770 EUR | 62 | 53 | 41 | 35 |
| BA26ISC | 7,5 | 4,4 | 173 | A++ | 7 | 3,36 | 132 | A++ | no | 60 | | 10 080 EUR | 62 | 53 | 41 | 35 |
| BA37ISC | 11 | 4,48 | 176 | A+++ | 10 | 3,50 | 137 | A++ | no | 60 | | 11 930 EUR | 65 | 56 | 44 | 38 |
| EasyMaster (a | ir to wate | r colit | on off | also in | door insta | llation) | | | | | | | | | | |
| EM60Z | 25 | 3,56 | 140 | A+ | 24 | 2,86 | 111 | A+ | yes | 55 | | 11 700 EUR | 69 | 60 | 48 | 42 |
| EM75Z | 31 | 3,61 | 141 | A+ | 30 | 2,92 | 114 | A+ | yes | 55 | | 12 830 EUR | 69 | 60 | 48 | 42 |
| | | | | | *** | | | | | | | | | | | |
| AquaMaster (| brine to w | ater, v | 172 | A++ | on-off) 7 | 3,17 | 117 | A+ | no | 60 | 5 660 EUR | 6 030 EUR | 48 | | | |
| AQ26Z | 10 | 4,34 | 166 | A++ | 9 | 3,11 | 116 | A+ | no | 60 | 5 900 EUR | 6 290 EUR | 48 | | | |
| AQ30Z | 11 | 4,29 | 164 | A++ | 11 | 3,10 | 116 | A+ | no | 60 | 6 140 EUR | 6 520 EUR | 48 | | | |
| AQ37Z | 14 | 4,46 | 170 | A++ | 13 | 3,16 | 118 | A+ | no | 60 | 6 720 EUR | 7 100 EUR | 49 | | | |
| AQ45Z | 17 | 4,61 | 176 | A+++ | 16 | 3,19 | 120 | A+ | no | 60 | 7 050 EUR | 7 430 EUR | 49 | | | |
| AQ60Z | 23 | 4,27 | 163 | A++ | 22 | 3,14 | 118 | A+ | no | 60 | | 8 960 EUR | 51 | | | |
| AQ75Z | 28 | 4,25 | 162 | A++ | 26 | 3,11 | 116 | A+ | no | 60 | | 9 370 EUR | 51 | | | |
| AQ90Z | 33 | 4,42 | 169 | A++ | 30 | 3,10 | 116 | A+ | no | 60 | | 9 820 EUR | 51 | | | |
| AQ120.2Z | 47 | 4,51 | 172 | A++ | 43 | 3,22 | 121 | A+ | yes | 60 | | 17 030 EUR | 60 | | | |
| AQ150.2Z | 57 | 4,38 | 167 | A++ | 52 | 3,19 | 119 | A+ | yes | 60 | | 18 470 EUR | 60 | | | |
| AQ180.2Z | 64 | 4,5 | 172 | A++ | 61 | 3,35 | 126 | A++ | yes | 60 | | 19 060 EUR | 60 | | | |
| AQ240.2Z | 93 | 5,44 | 210 | A+++ | 75 | 3,81 | 145 | A++ | yes | 60 | | 22 590 EUR | 60 | | | |
| AquaMaster I | nverter | (brine | to wate | r, wate | r to water | , invert | er) | | | | | | | | | |
| AQ17I | 5 | 4,65 | 179 | A+++ | 4 | 3,53 | 133 | A++ | no | 60 | 5 820 EUR | | 48 | | | |
| AQ22I | 7 | 4,61 | 177 | A+++ | 6 | 3,53 | 133 | A++ | no | 60 | 6 950 EUR | 7 330 EUR | 48 | | | |
| AQ26I | 9 | 4,83 | 185 | A+++ | 9 | 3,74 | 141 | A++ | no | 60 | 7 260 EUR | 7 640 EUR | 48 | | | 1 |
| AQ30I | 11 | 4,85 | 186 | A+++ | 11 | 3,78 | 143 | A++ | no | 60 | 7 620 EUR | 8 000 EUR | 48 | | | |
| AQ37I | 15 | 5 | 193 | A+++ | 14 | 3,94 | 149 | A++ | no | 60 | 8 220 EUR | 8 600 EUR | 48 | | | |
| AQ45I | 21 | 4,8 | 184 | A+++ | 19 | 3,70 | 140 | A++ | no | 60 | 8 790 EUR | 9 170 EUR | 48 | | | |
| AQ60I | 33 | 5,02 | 193 | A+++ | 33 | 3,97 | 151 | A+++ | no | 60 | | 11 570 EUR | 58 | | | 4 |
| AQ90I | 44 | 4,87 | 187 | A+++ | 43 | 3,87 | 147 | A++ | no | 60 | | 13 800 EUR | 58 | | wa wa a wa - 2 | alitated |
| AquaMaster I | nverter | Comb | i (brine | to wate | er, water t | o wate | er, inver | ter, sta | inless steel tray | / 170I) | | | | Eu | ropean Qu for Heat | |
| AQ17IC | 5 | 4,65 | 179 | A+++ | 4 | 3,53 | 133 | A++ | no | 60 | 9 290 EUR | 9 660 EUR | 47 | | | *** |
| AQ22IC | 7 | 4,61 | 177 | A+++ | 6 | 3,53 | 133 | A++ | no | 60 | 9 390 EUR | 9 780 EUR | 47 | | ≈eh | ра |
| AQ26IC | 9 | 4,83 | 185 | A+++ | 9 | 3,74 | 141 | A++ | no | 60 | 9 650 EUR | 10 040 EUR | 48 | | | |
| AQ30IC | 11 | 4,85 | 186 | A+++ | 11 | 3,78 | 143 | A++ | no | 60 | 10 380 EUR | 10 760 EUR | 48 | | | |



Why MasterTherm

Tradition - since 1994

- traditional and largest Czech producer
- more than 10,000 heat pumps sold in more than 20 European countries.
- in-house research, development and production

Innovation for future

- progressive electronic coolant injection technologies (EEV)
- inverter compressors, "desuperheater" for heating of hot water
- active and passive cooling
- control and monitoring via the internet
- application for iOS and Android

Download app from the App Store or Google Play (Android Market). Enter the following information in the Connection tab. Name: demo | Password: mt-demo

Durability of design

- high reliability and long lifespan thanks to the robust and practical design
- components from renowned suppliers: Copeland, LG, Sanyo, Carel, SWEP, Lloyd, Ziehl-Abegg, EBM Papst, Halm etc.
- decreased operational stress: superior design of exchangers, high quality regulation and protection system

System solutions

- designed and equipped as a heating system, not merely as a heat source
- regulation allows for control of spatial heat in individual zones
- everything needed is included in the price of the equipment,
- simple and reliable installation

Seriousness

- truthful and complete information
- responsible approach to customers
- long-term company strategy based on quality of services



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