| Performance data: Heating output / COP | | | SW 42H3 | SW 62H3 |
|---|---|---|---|---|
| Heating capacity ı COP | at B0/W35 operating point to EN14511 | kW ı COP | 4,70 ı 4,70 | 6,11 ı 4,68 |
| | at B0/W45 operating point to EN14511 | kW ı COP | 4,42 ı 3,42 | 5,38 ı 3,63 |
| | at B0/W55 operating point to EN14511 | kW ı COP | 4,16 ı 2,58 | 4,70 ı 2,93 |
| | at B7/W35 flows analogous to B0/W35 | kW ı COP | 5,83 ı 5,70 | 7,30 ı 5,61 |
| Cooling capacity at max. flow rate (B15/W25), units with passive cooling: Identifier K: | | kW | — | — |
| **Limits of use** | | | | |
| Heating circuit return min. ı Heating circuit flow max. | | °C | 20 ı 60 | 20 ı 60 |
| Heat source return | min. ı max. | °C | -5 – 25 | -5 – 25 |
| additional operating points | | ... | B0W65 | B0W65 |
| **Sound** | | | | |
| Sound pressure level at 1m distance from edge of unit | | dB(A) | 31 | 32 |
| Sound power level to EN12102 | | dB(A) | 43 | 44 |
| **Heat source** | | | | |
| Flow rate: minimum ı **nominal analogous to B0/W35** ı maximum | | l/h | 700 ı 1050 ı 1575 | 900 ı 1350 ı 2000 |
| Max. free heat pump pressure Δp (with cooling ΔpK) ***) ı Flow rate | | bar (bar) ı l/h | 0,75 (—) ı 1050 | 0,6 (—) ı 1350 |
| Approved anti-freeze | Monoethylene glycol ı Propylene glycol ı Methanol ı Ethanol | | • ı • ı • ı • | • ı • ı • ı • |
| Anti-freeze concentration: Minimum frost protection down to | | °C | -13 | -13 |
| max. allowable operating pressure | | bar | 3 | 3 |
| **Heating circuit** | | | | |
| Flow rate: minimum ı **nominal analogous to B0W35 (50Hz)** ı maximum | | l/h | 450 ı 850 ı 1300 | 500 ı 1000 ı 1250 |
| Max. free heat pump pressure Δp (with cooling ΔpK) ı Volume flow | | bar ı bar ı l/h | — (—) ı — | — (—) ı — |
| Pressure losses, heat pump Δp ı Volume flow | | bar ı l/h | 0,03 (—) ı 850 | 0,04 (—) ı 1000 |
| max. allowable operating pressure | | bar | 3 | 3 |
| **General unit data** | | | | |
| Total weight (with cooling) | | kg (kg) | 135 (—) | 140 (—) |
| Box weight (with cooling) ı Tower weight (with cooling) | | kg (kg) ı kg (kg) | 90 (—) ı 45 (—) | 95 (—) ı 45 (—) |
| Refrigerant type ı Refrigerant capacity | | ... ı kg | R410A ı 1,05 | R410A ı 1,42 |
| **Domestic hot water tank** | | | | |
| Net volume | | l | — | — |
| Impressed current anode | integrated: • yes — no | | — | — |
| Domestic hot water temperature, heating pump mode I Electric heating element | | up to °C ı up to °C | — ı — | — ı — |
| Mixed water quantity according to ErP: 2009/125/EC (at 40°C, draw-off of 10 l/min) | | l | — | — |
| Standing loss according to ErP: 2009/125/EC (at 65°C) | | W | — | — |
| Maximum pressure | | bar | — | — |
| **Electrics** | | | | |
| Voltage code ı all-pole heat pump fusing *)**) | | ... ı A | 3~PE/400V/50Hz ı C10 | 3~PE/400V/50Hz ı C10 |
| Voltage code ı Control voltage fusing **) | | ... ı A | 1~N/PE/230V/50Hz ı B10 | 1~N/PE/230V/50Hz ı B10 |
| Voltage code ı Electric heating element fusing **) | | ... ı A | — ı — | — ı — |
| Voltage code ı all-pole fusing for connection via a joint supply cable*)**) | | ... ı A | — ı — | — ı — |
| WP*): effect. Power input at B0/W35 to EN14511 I Current input I cosϕ | | kW ı A ı ... | 1,00 ı 2,44 ı 0,59 | 1,25 ı 2,5 ı 0,72 |
| WP*): Max. machine current I Max. power input within the limits of use | | A ı kW | 4,8 ı 2,3 | 5,0 ı 2,5 |
| Starting current: direct ı with soft starter | | A ı A | 22,0 ı — | 23,0 ı — |
| Degree of protection | | IP | 20 | 20 |
| Electric heating element output | | kW | — | — |
| Circulation pump power consumption, heating circuit I heat source | min. — max. | W ı W | — ı 5 – 87 | — ı 5 – 87 |
| **Other unit information** | | | | |
| Safety valve, heating circuit I Heat source | included in scope of supply: • yes — no | | — ı — | — ı — |
| Expansion valve, heating circuit I Heat source | included in scope of supply: • yes — no | | — ı — | — ı — |
| Overflow valve I Changeover valve, heating -Domestic hot water | integrated: • yes — no | | — ı — | — ı — |
| Vibration isolators, heating circuit I Heat source | integrated: • yes — no | | • ı • | • ı • |
| *) Only compressor, **) Follow local regulations, ***) Figures for 25% mono-ethylene glycol | | | 813473a | 813474a |

| Performance data: Heating output / COP | | | SW 82H3 | SW 102H3 |
|---|---|---|---|---|
| Heating capacity ı COP | at B0/W35 operating point to EN14511 | kW ı COP | 7,70 ı 4,90 | 9,34 ı 5,05 |
| | at B0/W45 operating point to EN14511 | kW ı COP | 6,84 ı 3,61 | 8,84 ı 3,80 |
| | at B0/W55 operating point to EN14511 | kW ı COP | 6,49 ı 2,91 | 8,30 ı 2,82 |
| | at B7/W35 flows analogous to B0/W35 | kW ı COP | 9,20 ı 5,96 | 11,19 ı 6,30 |
| Cooling capacity at max. flow rate (B15/W25), units with passive cooling: Identifier K: | | kW | — | — |
| **Limits of use** | | | | |
| Heating circuit return min. I Heating circuit flow max. | | °C | 20 I 60 | 20 I 60 |
| Heat source return | min. I max. | °C | -5 – 25 | -5 – 25 |
| additional operating points | | … | B0W65 | B0W65 |
| **Sound** | | | | |
| Sound pressure level at 1m distance from edge of unit | | dB(A) | 31 | 32 |
| Sound power level to EN12102 | | dB(A) | 43 | 44 |
| **Heat source** | | | | |
| Flow rate: minimum I **nominal analogous to B0/W35** I maximum | | l/h | 1200 ı 1750 ı 2600 | 1500 ı 2200 ı 3300 |
| Max. free heat pump pressure Δp (with cooling ΔpK) ***) ı Flow rate | | bar (bar) ı l/h | 0,84 (—) ı 1750 | 0,87 (—) ı 2200 |
| Approved anti-freeze | Monoethylene glycol I Propylene glycol I Methanol I Ethanol | | • I • I • I • | • I • I • I • |
| Anti-freeze concentration: Minimum frost protection down to | | °C | -13 | -13 |
| max. allowable operating pressure | | bar | 3 | 3 |
| **Heating circuit** | | | | |
| Flow rate: minimum I **nominal analogous to B0W35 (50Hz)** I maximum | | l/h | 650 ı 1300 ı 1600 | 800 ı 1600 ı 2000 |
| Max. free heat pump pressure Δp (with cooling ΔpK) ı Volume flow | | bar ı bar ı l/h | — (—) ı — | — (—) ı — |
| Pressure losses, heat pump Δp ı Volume flow | | bar ı l/h | 0,06 (—) ı 1300 | 0,09 (—) ı 1600 |
| max. allowable operating pressure | | bar | 3 | 3 |
| **General unit data** | | | | |
| Total weight (with cooling) | | kg (kg) | 155 (—) | 160 (—) |
| Box weight (with cooling) ı Tower weight (with cooling) | | kg (kg) ı kg (kg) | 110 (—) ı 45 (—) | 115 (—) ı 45 (—) |
| Refrigerant type ı Refrigerant capacity | | … ı kg | R410A ı 1,72 | R410A ı 1,98 |
| **Domestic hot water tank** | | | | |
| Net volume | | l | — | — |
| Impressed current anode | integrated: • yes — no | | — | — |
| Domestic hot water temperature, heating pump mode I Electric heating element | up to °C ı up to °C | | — I — | — I — |
| Mixed water quantity according to ErP: 2009/125/EC (at 40°C, draw-off of 10 l/min) | | l | — | — |
| Standing loss according to ErP: 2009/125/EC (at 65°C) | | W | — | — |
| Maximum pressure | | bar | — | — |
| **Electrics** | | | | |
| Voltage code ı all-pole heat pump fusing *)**) | | … ı A | 3~PE/400V/50Hz ı C10 | 3~PE/400V/50Hz ı C10 |
| Voltage code ı Control voltage fusing **) | | … ı A | 1~N/PE/230V/50Hz ı B10 | 1~N/PE/230V/50Hz ı B10 |
| Voltage code ı Electric heating element fusing **) | | … ı A | — ı — | — ı — |
| Voltage code ı all-pole fusing for connection via a joint supply cable*)**) | | … ı A | — ı — | — ı — |
| WP*): effect. Power input at B0/W35 to EN14511 I Current input I cosϕ | | kW ı A ı … | 1,57 ı 3,02 ı 0,75 | 1,87 ı 3,73 ı 0,72 |
| WP*): Max. machine current I Max. power input within the limits of use | | A ı kW | 6,01 ı 3,10 | 7,63 ı 4,00 |
| Starting current: direct ı with soft starter | | A ı A | 30,0 ı — | — ı 22,0 |
| Degree of protection | | IP | 20 | 20 |
| Electric heating element output | | kW | — | — |
| Circulation pump power consumption, heating circuit I heat source | min. — max. | W ı W | — ı 3 – 140 | — ı 2 – 180 |
| **Other unit information** | | | | |
| Safety valve, heating circuit I Heat source | included in scope of supply: • yes — no | | — I — | — I — |
| Expansion valve, heating circuit I Heat source | included in scope of supply: • yes — no | | — I — | — I — |
| Overflow valve I Changeover valve, heating -Domestic hot water | integrated: • yes — no | | — I — | — I — |
| Vibration isolators, heating circuit I Heat source | integrated: • yes — no | | • I • | • I • |
| *) Only compressor, **) Follow local regulations, ***) Figures for 25% mono-ethylene glycol | | | 813475a | 813476a |

| Performance data: Heating output / COP | | | SW 122H3 | SW 142H3 |
|---|---|---|---|---|
| Heating capacity ı COP | at B0/W35 operating point to EN14511 | kW ı COP | 12,18 ı 5,00 | 13,50 ı 5,08 |
| | at B0/W45 operating point to EN14511 | kW ı COP | 11,24 ı 3,76 | 12,29 ı 3,76 |
| | at B0/W55 operating point to EN14511 | kW ı COP | 10,63 ı 2,97 | 11,76 ı 2,94 |
| | at B7/W35 flows analogous to B0/W35 | kW ı COP | 14,55 ı 6,06 | 16,07 ı 6,31 |
| Cooling capacity at max. flow rate (B15/W25), units with passive cooling: Identifier K: | | kW | — | — |
| **Limits of use** | | | | |
| Heating circuit return min. ı Heating circuit flow max. | | °C | 20 ı 60 | 20 ı 60 |
| Heat source return | min. ı max. | °C | -5 – 25 | -5 – 25 |
| additional operating points | | ... | B0W65 | B0W65 |
| **Sound** | | | | |
| Sound pressure level at 1m distance from edge of unit | | dB(A) | 31 | 32 |
| Sound power level to EN12102 | | dB(A) | 43 | 44 |
| **Heat source** | | | | |
| Flow rate: minimum ı **nominal analogous to B0/W35** ı maximum | | l/h | 1900 ı 2800 ı 4200 | 2100 ı 3150 ı 4750 |
| Max. free heat pump pressure Δp (with cooling ΔpK) ***) ı Flow rate | | bar (bar) ı l/h | 0,7 (—) ı 2800 | 0,74 (—) ı 3150 |
| Approved anti-freeze | Monoethylene glycol ı Propylene glycol ı Methanol ı Ethanol | | • ı • ı • ı • | • ı • ı • ı • |
| Anti-freeze concentration: Minimum frost protection down to | | °C | -13 | -13 |
| max. allowable operating pressure | | bar | 3 | 3 |
| **Heating circuit** | | | | |
| Flow rate: minimum ı **nominal analogous to B0W35 (50Hz)** ı maximum | | l/h | 1050 ı 2050 ı 2600 | 1150 ı 2300 ı 2900 |
| Max. free heat pump pressure Δp (with cooling ΔpK) ı Volume flow | | bar ı bar ı l/h | — (—) ı — | — (—) ı — |
| Pressure losses, heat pump Δp ı Volume flow | | bar ı l/h | 0,13 (—) ı 2050 | 0,06 (—) ı 2300 |
| max. allowable operating pressure | | bar | 3 | 3 |
| **General unit data** | | | | |
| Total weight (with cooling) | | kg (kg) | 165 (—) | 175 (—) |
| Box weight (with cooling) ı Tower weight (with cooling) | | kg (kg) ı kg (kg) | 120 (—) ı 45 (—) | 130 (—) ı 45 (—) |
| Refrigerant type ı Refrigerant capacity | | ... ı kg | R410A ı 2,25 | R410A ı 2,38 |
| **Domestic hot water tank** | | | | |
| Net volume | | l | — | — |
| Impressed current anode | integrated: • yes — no | | — | — |
| Domestic hot water temperature, heating pump mode I Electric heating element | up to °C ı up to °C | | — ı — | — ı — |
| Mixed water quantity according to ErP: 2009/125/EC (at 40°C, draw-off of 10 l/min) | | l | — | — |
| Standing loss according to ErP: 2009/125/EC (at 65°C) | | W | — | — |
| Maximum pressure | | bar | — | — |
| **Electrics** | | | | |
| Voltage code ı all-pole heat pump fusing *)**) | | ... ı A | 3~PE/400V/50Hz ı C10 | 3~PE/400V/50Hz ı C10 |
| Voltage code ı Control voltage fusing **) | | ... ı A | 1~N/PE/230V/50Hz ı B10 | 1~N/PE/230V/50Hz ı B10 |
| Voltage code ı Electric heating element fusing **) | | ... ı A | — ı — | — ı — |
| Voltage code ı all-pole fusing for connection via a joint supply cable*)**) | | ... ı A | — ı — | — ı — |
| WP*): effect. Power input at B0/W35 to EN14511 I Current input I cosϕ | | kW ı A ı ... | 2,44 ı 4,70 ı 0,75 | 2,66 ı 4,84 ı 0,79 |
| WP*): Max. machine current I Max. power input within the limits of use | | A ı kW | 9,44 ı 4,80 | 10,62 ı 5,60 |
| Starting current: direct ı with soft starter | | A ı A | — ı 26,0 | — ı 27,0 |
| Degree of protection | | IP | 20 | 20 |
| Electric heating element output | | kW | — | — |
| Circulation pump power consumption, heating circuit I heat source | min. — max. | W ı W | — ı 2 – 180 | — ı 3 – 180 |
| **Other unit information** | | | | |
| Safety valve, heating circuit I Heat source | included in scope of supply: • yes — no | | — ı — | — ı — |
| Expansion valve, heating circuit I Heat source | included in scope of supply: • yes — no | | — ı — | — ı — |
| Overflow valve I Changeover valve, heating -Domestic hot water | integrated: • yes — no | | — ı — | — ı — |
| Vibration isolators, heating circuit I Heat source | integrated: • yes — no | | • ı • | • ı • |
| *) Only compressor, **) Follow local regulations, ***) Figures for 25% mono-ethylene glycol | | | 813477a | 813478a |

| Performance data: Heating output / COP | | | SW 172H3 | SW 192H3 |
|---|---|---|---|---|
| Heating capacity ı COP | at B0/W35 operating point to EN14511 | kW ı COP | 16,86 ı 4,93 | 18,60 ı 4,87 |
| | at B0/W45 operating point to EN14511 | kW ı COP | 16,15 ı 3,82 | 17,08 ı 3,73 |
| | at B0/W55 operating point to EN14511 | kW ı COP | 15,59 ı 3,07 | 16,36 ı 2,88 |
| | at B7/W35 flows analogous to B0/W35 | kW ı COP | 19,80 ı 5,88 | 21,80 ı 5,84 |
| Cooling capacity at max. flow rate (B15/W25), units with passive cooling: Identifier K: | | kW | — | — |
| **Limits of use** | | | | |
| Heating circuit return min. I Heating circuit flow max. | | °C | 20 I 60 | 20 I 60 |
| Heat source return | min. I max. | °C | -5 – 25 | -5 – 25 |
| additional operating points | | … | B0W65 | B0W65 |
| **Sound** | | | | |
| Sound pressure level at 1m distance from edge of unit | | dB(A) | 34 | 34 |
| Sound power level to EN12102 | | dB(A) | 47 | 46 |
| **Heat source** | | | | |
| Flow rate: minimum I **nominal analogous to B0/W35** I maximum | | l/h | 2700 ı 4000 ı 6000 | 3000 ı 4400 ı 6600 |
| Max. free heat pump pressure Δp (with cooling ΔpK) ***) ı Flow rate | | bar (bar) ı l/h | 0,53 (—) ı 4000 | 0,43 (—) ı 4400 |
| Approved anti-freeze | Monoethylene glycol I Propylene glycol I Methanol I Ethanol | | • I • I • I • | • I • I • I • |
| Anti-freeze concentration: Minimum frost protection down to | | °C | -13 | -13 |
| max. allowable operating pressure | | bar | 3 | 3 |
| **Heating circuit** | | | | |
| Flow rate: minimum I **nominal analogous to B0W35 (50Hz)** I maximum | | l/h | 1450 ı 2850 ı 3600 | 1600 ı 3200 ı 4000 |
| Max. free heat pump pressure Δp (with cooling ΔpK) ı Volume flow | | bar ı bar ı l/h | — (—) ı — | — (—) ı — |
| Pressure losses, heat pump Δp ı Volume flow | | bar ı l/h | 0,07 (—) ı 2850 | 0,12 (—) ı 3200 |
| max. allowable operating pressure | | bar | 3 | 3 |
| **General unit data** | | | | |
| Total weight (with cooling) | | kg (kg) | 180 (—) | 185 (—) |
| Box weight (with cooling) ı Tower weight (with cooling) | | kg (kg) ı kg (kg) | 135 (—) ı 45 (—) | 140 (—) ı 45 (—) |
| Refrigerant type ı Refrigerant capacity | | … ı kg | R410A ı 2,65 | R410A ı 2,80 |
| **Domestic hot water tank** | | | | |
| Net volume | | l | — | — |
| Impressed current anode | integrated: • yes — no | | — | — |
| Domestic hot water temperature, heating pump mode I Electric heating element | up to °C ı up to °C | | — I — | — I — |
| Mixed water quantity according to ErP: 2009/125/EC (at 40°C, draw-off of 10 l/min) | | l | — | — |
| Standing loss according to ErP: 2009/125/EC (at 65°C) | | W | — | — |
| Maximum pressure | | bar | — | — |
| **Electrics** | | | | |
| Voltage code ı all-pole heat pump fusing *)**) | | … ı A | 3~PE/400V/50Hz ı C16 | 3~PE/400V/50Hz ı C16 |
| Voltage code ı Control voltage fusing **) | | … ı A | 1~N/PE/230V/50Hz ı B10 | 1~N/PE/230V/50Hz ı B10 |
| Voltage code ı Electric heating element fusing **) | | … ı A | — ı — | — ı — |
| Voltage code ı all-pole fusing for connection via a joint supply cable*)**) | | … ı A | — ı — | — ı — |
| WP*): effect. Power input at B0/W35 to EN14511 I Current input I cosϕ | | kW ı A ı … | 3,35 ı 7,90 ı 0,61 | 3,82 ı 8,71 ı 0,63 |
| WP*): Max. machine current I Max. power input within the limits of use | | A ı kW | 19,0 ı 6,90 | 18,0 ı 7,50 |
| Starting current: direct ı with soft starter | | A ı A | — ı 30,0 | — ı 33,0 |
| Degree of protection | | IP | 20 | 20 |
| Electric heating element output | | kW | — | — |
| Circulation pump power consumption, heating circuit I heat source | min. — max. | W ı W | — ı 3 – 180 | — ı 3 – 180 |
| **Other unit information** | | | | |
| Safety valve, heating circuit I Heat source | included in scope of supply: • yes — no | | — I — | — I — |
| Expansion valve, heating circuit I Heat source | included in scope of supply: • yes — no | | — I — | — I — |
| Overflow valve I Changeover valve, heating -Domestic hot water | integrated: • yes — no | | — I — | — I — |
| Vibration isolators, heating circuit I Heat source | integrated: • yes — no | | • I • | • I • |
| *) Only compressor, **) Follow local regulations, ***) Figures for 25% mono-ethylene glycol | | | 813479a | 813480b |