

Subtype DAIKIN ALTHERMA 3 H HT W/F 16KW (180L)

| | |
|---------------------|-------------------------------------------------------|
| Certificate Holder | DAIKIN Europe N.V. |
| Address | Zandvoordestraat 300 |
| ZIP | B-8400 |
| City | Oostende |
| Country | BE |
| Certification Body | DIN CERTCO Gesellschaft für Konformitätsbewertung mbH |
| Subtype title | DAIKIN ALTHERMA 3 H HT W/F 16KW (180L) |
| Registration number | 011-1W0357 |
| Heat Pump Type | Outdoor Air/Water |
| Refrigerant | R32 |
| Mass of Refrigerant | 4.2 kg |
| Certification Date | 07.02.2020 |
| Testing basis | HP KEYMARK certification scheme rules rev. 14 |
| Testing laboratory | Danish Technological Institute (DTI), DK |

Model EPRA16DV37 / ETBH16E(6V/9W)7

| | |
|-------------------------------------|------------------------------|
| Model name | EPRA16DV37 / ETBH16E(6V/9W)7 |
| Application | Heating (medium temp) |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | n/a |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |

General data

| | |
|------------------|-------------|
| Power supply | 1x230V 50Hz |
| Off-peak product | n/a |

Outdoor Air/Water

EN 14511-4 | Heating

Shutting off the heat transfer medium flow passed

| | |
|-------------------------------|--------|
| Complete power supply failure | passed |
| Defrost test | passed |
| Starting and operating test | passed |

EN 14511-2 | Heating

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 9 kW | 7.24 kW |
| El input | 1.8 kW | 2.41 kW |
| COP | 5 | 3.01 |

EN 14511-2 | Cooling

| | +7°C/+12°C | +18°C/+23°C |
|------------------|------------|-------------|
| El input | 2.93 kW | |
| Cooling capacity | 7.88 | |
| EER | 2.69 | |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 44 dB(A) | 44 dB(A) |
| Sound power level outdoor | 54 dB(A) | 54 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|----------|-----------------|--------------------|
| η_s | 177 % | 140 % |
| Prated | 12.5 kW | 12.5 kW |
| SCOP | 4.51 | 3.58 |
| Tbiv | -7 °C | -10 °C |
| TOL | -10 °C | -10 °C |

| | | |
|-----------------------------------------------------|-------------|-------------|
| Pdh Tj = -7°C | 11.1 kW | 11.2 kW |
| COP Tj = -7°C | 3.12 | 2.47 |
| Cdh Tj = -7 °C | 1 | 1 |
| Pdh Tj = +2°C | 6.7 kW | 6.9 kW |
| COP Tj = +2°C | 4.44 | 3.56 |
| Cdh Tj = +2 °C | 1 | 1 |
| Pdh Tj = +7°C | 5.7 kW | 6.9 kW |
| COP Tj = +7°C | 5.84 | 4.44 |
| Cdh Tj = +7 °C | 1 | 1 |
| Pdh Tj = 12°C | 6 kW | 6.2 kW |
| COP Tj = 12°C | 7.4 | 5.72 |
| Cdh Tj = +12 °C | 1 | 1 |
| Pdh Tj = Tbiv | 11.1 kW | 12.2 kW |
| COP Tj = Tbiv | 3.12 | 2.19 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 11.1 kW | 12.2 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.76 | 2.19 |
| WTOL | 35 °C | 55 °C |
| Poff | 21 W | 21 W |
| PTO | 41 W | 41 W |
| PSB | 21 W | 21 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 1.4 kW | 0 kW |
| Annual energy consumption Qhe | 5726 kWh | 7211 kWh |

EN 12102-1 | Colder Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 44 dB(A) | 44 dB(A) |
| Sound power level outdoor | 44 dB(A) | 44 dB(A) |

EN 14825 | Colder Climate

| | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| η_s | 163 % | 125 % |
| Tbiv | -15 °C | -18 °C |
| TOL | -22 °C | -22 °C |
| Pdh Tj = -7°C | 8 kW | 7.5 kW |
| COP Tj = -7°C | 3.5 | 2.74 |
| Cdh Tj = -7 °C | 1 | |
| Pdh Tj = +2°C | 4.9 kW | 5.8 kW |
| COP Tj = +2°C | 5.07 | 3.67 |
| Cdh Tj = +2 °C | 1 | 1 |
| Pdh Tj = +7°C | 5.3 kW | 5.6 kW |
| COP Tj = +7°C | 6.1 | 4.69 |

| | | |
|-----------------------------------------------------|-------------|-------------|
| Cdh Tj = +7 °C | 1 | 1 |
| Pdh Tj = 12°C | 5.7 kW | 6.2 kW |
| COP Tj = 12°C | 7.03 | 6.12 |
| Cdh Tj = +12 °C | 1 | |
| Pdh Tj = Tbiv | 10.7 kW | 11 kW |
| COP Tj = Tbiv | 2.62 | 1.9 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 10.1 kW | 10.6 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.16 | 1.65 |
| WTOL | 35 °C | 55 °C |
| Poff | 21 W | 21 W |
| PTO | 41 W | 41 W |
| PSB | 21 W | 21 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Annual energy consumption Qhe | 7417 kWh | 9654 kWh |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 44 dB(A) | 44 dB(A) |
| Sound power level outdoor | 44 dB(A) | 44 dB(A) |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|--------------------------------------------|-----------------|--------------------|
| ηs | 229 % | 166 % |
| Tbiv | 5 °C | 5 °C |
| Pdh Tj = +2°C | 9.8 kW | 10 kW |
| COP Tj = +2°C | 3.67 | 2.45 |
| Cdh Tj = +2 °C | 1 | 1 |
| Pdh Tj = +7°C | 7.9 kW | 9 kW |
| COP Tj = +7°C | 5.6 | 3.78 |
| Cdh Tj = +7 °C | 1 | 1 |
| Pdh Tj = 12°C | 6.1 kW | 5.9 kW |
| COP Tj = 12°C | 7.6 | 5.63 |
| Cdh Tj = +12 °C | 1 | 1 |
| Pdh Tj = Tbiv | 9.8 kW | 11.1 kW |
| COP Tj = Tbiv | 4.95 | 3.43 |
| Poff | 21 W | 21 W |
| PTO | 41 W | 41 W |
| PSB | 21 W | 21 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Annual energy consumption Qhe | 2885 kWh | 4463 kWh |

EN 14825 | Cooling

| | +7°C/+12°C | +18°C/+23°C |
|-------------------------------------------|------------|-------------|
| P _{designc} | 7.88 kW | |
| SEER | 4.08 | |
| P _{dc} T _j = 35°C | 7.88 kW | |
| EER T _j = 35°C | 2.69 | |
| P _{dc} T _j = 30°C | 5.92 kW | |
| EER T _j = 30°C | 3.69 | |
| C _{dc} T _j = 30 °C | 1 | |
| P _{dc} T _j = 25°C | 5.09 kW | |
| EER T _j = 25°C | 4.63 | |
| C _{dc} T _j = 25 °C | 1 | |
| P _{dc} T _j = 20°C | 5.13 kW | |
| EER T _j = 20°C | 5.61 | |
| C _{dc} T _j = 20 °C | 1 | |
| P _{off} | 21 W | |
| PTO | 41 W | |
| PSB | 21 W | |
| PCK | 0 W | |
| Annual energy consumption Q _{ce} | 1158 kWh | |

Model EPRA16DW17 / ETBH16E(6V/9W)7

| | |
|-------------------------------------|------------------------------|
| Model name | EPRA16DW17 / ETBH16E(6V/9W)7 |
| Application | Heating (medium temp) |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | n/a |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |

General data

| | |
|------------------|-------------|
| Power supply | 3x400V 50Hz |
| Off-peak product | n/a |

Outdoor Air/Water

EN 14511-4 | Heating

Shutting off the heat transfer medium flow passed

| | |
|-------------------------------|--------|
| Complete power supply failure | passed |
| Defrost test | passed |
| Starting and operating test | passed |

EN 14511-2 | Heating

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 9 kW | 7.24 kW |
| El input | 1.8 kW | 2.47 kW |
| COP | 5 | 2.93 |

EN 14511-2 | Cooling

| | +7°C/+12°C | +18°C/+23°C |
|------------------|------------|-------------|
| El input | 2.93 kW | |
| Cooling capacity | 7.88 | |
| EER | 2.69 | |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 44 dB(A) | 44 dB(A) |
| Sound power level outdoor | 54 dB(A) | 54 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|----------|-----------------|--------------------|
| η_s | 186 % | 140 % |
| Prated | 12.5 kW | 12.5 kW |
| SCOP | 4.71 | 3.57 |
| Tbiv | -7 °C | -10 °C |
| TOL | -10 °C | -10 °C |

| | | |
|-----------------------------------------------------|-------------|-------------|
| Pdh Tj = -7°C | 10.7 kW | 11.1 kW |
| COP Tj = -7°C | 2.97 | 2.43 |
| Cdh Tj = -7 °C | 1 | 1 |
| Pdh Tj = +2°C | 6.9 kW | 6.7 kW |
| COP Tj = +2°C | 4.94 | 3.52 |
| Cdh Tj = +2 °C | 1 | 1 |
| Pdh Tj = +7°C | 6.2 kW | 6.5 kW |
| COP Tj = +7°C | 5.95 | 4.54 |
| Cdh Tj = +7 °C | 1 | 1 |
| Pdh Tj = 12°C | 5.6 kW | 5.2 kW |
| COP Tj = 12°C | 7.07 | 5.97 |
| Cdh Tj = +12 °C | 1 | 1 |
| Pdh Tj = Tbiv | 10.7 kW | 12.5 kW |
| COP Tj = Tbiv | 2.97 | 2.12 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 12.1 kW | 12.5 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.88 | 2.12 |
| WTOL | 35 °C | 55 °C |
| Poff | 31 W | 31 W |
| PTO | 33 W | 33 W |
| PSB | 42 W | 42 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.4 kW | 0 kW |
| Annual energy consumption Qhe | 5479 kWh | 7236 kWh |

EN 12102-1 | Colder Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 44 dB(A) | 44 dB(A) |
| Sound power level outdoor | 44 dB(A) | 44 dB(A) |

EN 14825 | Colder Climate

| | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| ηs | 163 % | 125 % |
| Tbiv | -15 °C | -18 °C |
| TOL | -22 °C | -22 °C |
| Pdh Tj = -7°C | 8 kW | 7.5 kW |
| COP Tj = -7°C | 3.5 | 2.74 |
| Cdh Tj = -7 °C | 1 | |
| Pdh Tj = +2°C | 4.9 kW | 5.8 kW |
| COP Tj = +2°C | 5.07 | 3.67 |
| Cdh Tj = +2 °C | 1 | 1 |
| Pdh Tj = +7°C | 5.3 kW | 5.6 kW |
| COP Tj = +7°C | 6.1 | 4.69 |

| | | |
|-----------------------------------------------------|-------------|-------------|
| Cdh Tj = +7 °C | 1 | 1 |
| Pdh Tj = 12°C | 5.7 kW | 6.2 kW |
| COP Tj = 12°C | 7.03 | 6.12 |
| Cdh Tj = +12 °C | 1 | |
| Pdh Tj = Tbiv | 10.7 kW | 11 kW |
| COP Tj = Tbiv | 2.62 | 1.9 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 10.1 kW | 10.6 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.16 | 1.65 |
| WTOL | 35 °C | 55 °C |
| Poff | 31 W | 31 W |
| PTO | 33 W | 33 W |
| PSB | 42 W | 42 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Annual energy consumption Qhe | 7425 kWh | 9658 kWh |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 44 dB(A) | 44 dB(A) |
| Sound power level outdoor | 44 dB(A) | 44 dB(A) |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|--------------------------------------------|-----------------|--------------------|
| ηs | 220 % | 166 % |
| Tbiv | 5 °C | 5 °C |
| Pdh Tj = +2°C | 10 kW | 11.4 kW |
| COP Tj = +2°C | 3.51 | 2.62 |
| Cdh Tj = +2 °C | 1 | 1 |
| Pdh Tj = +7°C | 8.3 kW | 9 kW |
| COP Tj = +7°C | 5.67 | 3.78 |
| Cdh Tj = +7 °C | 1 | 1 |
| Pdh Tj = 12°C | 5.7 kW | 5.9 kW |
| COP Tj = 12°C | 7.04 | 5.63 |
| Cdh Tj = +12 °C | 1 | 1 |
| Pdh Tj = Tbiv | 9.8 kW | 11.1 kW |
| COP Tj = Tbiv | 4.96 | 3.43 |
| Poff | 31 W | 31 W |
| PTO | 33 W | 33 W |
| PSB | 42 W | 42 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Annual energy consumption Qhe | 2992 kWh | 4453 kWh |

EN 14825 | Cooling

| | +7°C/+12°C | +18°C/+23°C |
|-------------------------------------------|------------|-------------|
| P _{designc} | 7.88 kW | |
| SEER | 4.08 | |
| P _{dc} T _j = 35°C | 7.88 kW | |
| EER T _j = 35°C | 2.69 | |
| P _{dc} T _j = 30°C | 5.92 kW | |
| EER T _j = 30°C | 3.69 | |
| C _{dc} T _j = 30 °C | 1 | |
| P _{dc} T _j = 25°C | 5.09 kW | |
| EER T _j = 25°C | 4.63 | |
| C _{dc} T _j = 25 °C | 1 | |
| P _{dc} T _j = 20°C | 5.13 kW | |
| EER T _j = 20°C | 5.61 | |
| C _{dc} T _j = 20 °C | 1 | |
| P _{off} | 31 W | |
| PTO | 33 W | |
| PSB | 42 W | |
| PCK | 0 W | |
| Annual energy consumption Q _{ce} | 1188 kWh | |

Model EPRA16DV37 / ETBX16E(6V/9W)7

| | |
|-------------------------------------|------------------------------|
| Model name | EPRA16DV37 / ETBX16E(6V/9W)7 |
| Application | Heating (medium temp) |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | n/a |
| Reversibility | Yes |
| Cooling mode application (optional) | +7°C/12°C |
| Any additional heat sources | n/a |

General data

| | |
|------------------|-------------|
| Power supply | 1x230V 50Hz |
| Off-peak product | n/a |

Outdoor Air/Water

EN 14511-4 | Heating

Shutting off the heat transfer medium flow passed

| | |
|-------------------------------|--------|
| Complete power supply failure | passed |
| Defrost test | passed |
| Starting and operating test | passed |

EN 14511-2 | Heating

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 9 kW | 7.24 kW |
| El input | 1.8 kW | 2.41 kW |
| COP | 5 | 3.01 |

EN 14511-2 | Cooling

| | +7°C/+12°C | +18°C/+23°C |
|------------------|------------|-------------|
| El input | 2.93 kW | |
| Cooling capacity | 7.88 | |
| EER | 2.69 | |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 44 dB(A) | 44 dB(A) |
| Sound power level outdoor | 54 dB(A) | 54 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|----------|-----------------|--------------------|
| η_s | 177 % | 140 % |
| Prated | 12.5 kW | 12.5 kW |
| SCOP | 4.51 | 3.58 |
| Tbiv | -7 °C | -10 °C |

| | | |
|-----------------------------------------------------|-------------|-------------|
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 11.1 kW | 11.2 kW |
| COP Tj = -7°C | 3.12 | 2.47 |
| Cdh Tj = -7 °C | 1 | 1 |
| Pdh Tj = +2°C | 6.7 kW | 6.9 kW |
| COP Tj = +2°C | 4.44 | 3.56 |
| Cdh Tj = +2 °C | 1 | 1 |
| Pdh Tj = +7°C | 5.7 kW | 6.9 kW |
| COP Tj = +7°C | 5.84 | 4.44 |
| Cdh Tj = +7 °C | 1 | 1 |
| Pdh Tj = 12°C | 6 kW | 6.2 kW |
| COP Tj = 12°C | 7.4 | 5.72 |
| Cdh Tj = +12 °C | 1 | 1 |
| Pdh Tj = Tbiv | 11.1 kW | 12.2 kW |
| COP Tj = Tbiv | 3.12 | 2.19 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 11.1 kW | 12.2 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.76 | 2.19 |
| WTOL | 35 °C | 55 °C |
| Poff | 21 W | 21 W |
| PTO | 41 W | 41 W |
| PSB | 21 W | 21 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 1.4 kW | 0 kW |
| Annual energy consumption Qhe | 5726 kWh | 7211 kWh |

EN 12102-1 | Colder Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 44 dB(A) | 44 dB(A) |
| Sound power level outdoor | 44 dB(A) | 44 dB(A) |

EN 14825 | Colder Climate

| | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| η_s | 163 % | 125 % |
| Tbiv | -15 °C | -18 °C |
| TOL | -22 °C | -22 °C |
| Pdh Tj = -7°C | 8 kW | 7.5 kW |
| COP Tj = -7°C | 3.5 | 2.74 |
| Cdh Tj = -7 °C | 1 | |
| Pdh Tj = +2°C | 4.9 kW | 5.8 kW |
| COP Tj = +2°C | 5.07 | 3.67 |
| Cdh Tj = +2 °C | 1 | 1 |
| Pdh Tj = +7°C | 5.3 kW | 5.6 kW |

| | | |
|-----------------------------------------------------|-------------|-------------|
| COP Tj = +7°C | 6.1 | 4.69 |
| Cdh Tj = +7 °C | 1 | 1 |
| Pdh Tj = 12°C | 5.7 kW | 6.2 kW |
| COP Tj = 12°C | 7.03 | 6.12 |
| Cdh Tj = +12 °C | 1 | |
| Pdh Tj = Tbiv | 10.7 kW | 11 kW |
| COP Tj = Tbiv | 2.62 | 1.9 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 10.1 kW | 10.6 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.16 | 1.65 |
| WTOL | 35 °C | 55 °C |
| Poff | 21 W | 21 W |
| PTO | 41 W | 41 W |
| PSB | 21 W | 21 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Annual energy consumption Qhe | 7417 kWh | 9654 kWh |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 44 dB(A) | 44 dB(A) |
| Sound power level outdoor | 44 dB(A) | 44 dB(A) |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|--------------------------------------------|-----------------|--------------------|
| η_s | 229 % | 166 % |
| Tbiv | 5 °C | 5 °C |
| Pdh Tj = +2°C | 9.8 kW | 10 kW |
| COP Tj = +2°C | 3.67 | 2.45 |
| Cdh Tj = +2 °C | 1 | 1 |
| Pdh Tj = +7°C | 7.9 kW | 9 kW |
| COP Tj = +7°C | 5.6 | 3.78 |
| Cdh Tj = +7 °C | 1 | 1 |
| Pdh Tj = 12°C | 6.1 kW | 5.9 kW |
| COP Tj = 12°C | 7.6 | 5.63 |
| Cdh Tj = +12 °C | 1 | 1 |
| Pdh Tj = Tbiv | 9.8 kW | 11.1 kW |
| COP Tj = Tbiv | 4.95 | 3.43 |
| Poff | 21 W | 21 W |
| PTO | 41 W | 41 W |
| PSB | 21 W | 21 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Annual energy consumption Qhe | 2885 kWh | 4463 kWh |

EN 14825 | Cooling

| | +7°C/+12°C | +18°C/+23°C |
|-------------------------------------------|------------|-------------|
| P _{designc} | 7.88 kW | |
| SEER | 4.08 | |
| P _{dc} T _j = 35°C | 7.88 kW | |
| EER T _j = 35°C | 2.69 | |
| P _{dc} T _j = 30°C | 5.92 kW | |
| EER T _j = 30°C | 3.69 | |
| C _{dc} T _j = 30 °C | 1 | |
| P _{dc} T _j = 25°C | 5.09 kW | |
| EER T _j = 25°C | 4.63 | |
| C _{dc} T _j = 25 °C | 1 | |
| P _{dc} T _j = 20°C | 5.13 kW | |
| EER T _j = 20°C | 5.61 | |
| C _{dc} T _j = 20 °C | 1 | |
| P _{off} | 21 W | |
| PTO | 41 W | |
| PSB | 21 W | |
| PCK | 0 W | |
| Annual energy consumption Q _{ce} | 1158 kWh | |

Model EPRA16DW17 / ETBX16E(6V/9W)7

| | |
|-------------------------------------|------------------------------|
| Model name | EPRA16DW17 / ETBX16E(6V/9W)7 |
| Application | Heating (medium temp) |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | n/a |
| Reversibility | Yes |
| Cooling mode application (optional) | +7°C/12°C |
| Any additional heat sources | n/a |

General data

| | |
|------------------|-------------|
| Power supply | 3x400V 50Hz |
| Off-peak product | n/a |

Outdoor Air/Water

EN 14511-4 | Heating

Shutting off the heat transfer medium flow passed

| | |
|-------------------------------|--------|
| Complete power supply failure | passed |
| Defrost test | passed |
| Starting and operating test | passed |

EN 14511-2 | Heating

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 9 kW | 7.24 kW |
| El input | 1.8 kW | 2.47 kW |
| COP | 5 | 2.93 |

EN 14511-2 | Cooling

| | +7°C/+12°C | +18°C/+23°C |
|------------------|------------|-------------|
| El input | 2.93 kW | |
| Cooling capacity | 7.88 | |
| EER | 2.69 | |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 44 dB(A) | 44 dB(A) |
| Sound power level outdoor | 54 dB(A) | 54 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|----------|-----------------|--------------------|
| η_s | 186 % | 140 % |
| Prated | 12.5 kW | 12.5 kW |
| SCOP | 4.71 | 3.57 |
| Tbiv | -7 °C | -10 °C |

| | | |
|-----------------------------------------------------|-------------|-------------|
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 10.7 kW | 11.1 kW |
| COP Tj = -7°C | 2.97 | 2.43 |
| Cdh Tj = -7 °C | 1 | 1 |
| Pdh Tj = +2°C | 6.9 kW | 6.7 kW |
| COP Tj = +2°C | 4.94 | 3.52 |
| Cdh Tj = +2 °C | 1 | 1 |
| Pdh Tj = +7°C | 6.2 kW | 6.5 kW |
| COP Tj = +7°C | 5.95 | 4.54 |
| Cdh Tj = +7 °C | 1 | 1 |
| Pdh Tj = 12°C | 5.6 kW | 5.2 kW |
| COP Tj = 12°C | 7.07 | 5.97 |
| Cdh Tj = +12 °C | 1 | 1 |
| Pdh Tj = Tbiv | 10.7 kW | 12.5 kW |
| COP Tj = Tbiv | 2.97 | 2.12 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 12.1 kW | 12.5 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.88 | 2.12 |
| WTOL | 35 °C | 55 °C |
| Poff | 31 W | 31 W |
| PTO | 33 W | 33 W |
| PSB | 42 W | 42 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.4 kW | 0 kW |
| Annual energy consumption Qhe | 5479 kWh | 7236 kWh |

EN 12102-1 | Colder Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 44 dB(A) | 44 dB(A) |
| Sound power level outdoor | 44 dB(A) | 44 dB(A) |

EN 14825 | Colder Climate

| | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| η_s | 163 % | 125 % |
| Tbiv | -15 °C | -18 °C |
| TOL | -22 °C | -22 °C |
| Pdh Tj = -7°C | 8 kW | 7.5 kW |
| COP Tj = -7°C | 3.5 | 2.74 |
| Cdh Tj = -7 °C | 1 | |
| Pdh Tj = +2°C | 4.9 kW | 5.8 kW |
| COP Tj = +2°C | 5.07 | 3.67 |
| Cdh Tj = +2 °C | 1 | 1 |
| Pdh Tj = +7°C | 5.3 kW | 5.6 kW |

| | | |
|-----------------------------------------------------|-------------|-------------|
| COP Tj = +7°C | 6.1 | 4.69 |
| Cdh Tj = +7 °C | 1 | 1 |
| Pdh Tj = 12°C | 5.7 kW | 6.2 kW |
| COP Tj = 12°C | 7.03 | 6.12 |
| Cdh Tj = +12 °C | 1 | |
| Pdh Tj = Tbiv | 10.7 kW | 11 kW |
| COP Tj = Tbiv | 2.62 | 1.9 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 10.1 kW | 10.6 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.16 | 1.65 |
| WTOL | 35 °C | 55 °C |
| Poff | 31 W | 31 W |
| PTO | 33 W | 33 W |
| PSB | 42 W | 42 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Annual energy consumption Qhe | 7425 kWh | 9658 kWh |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 44 dB(A) | 44 dB(A) |
| Sound power level outdoor | 44 dB(A) | 44 dB(A) |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|--------------------------------------------|-----------------|--------------------|
| η_s | 220 % | 166 % |
| Tbiv | 5 °C | 5 °C |
| Pdh Tj = +2°C | 10 kW | 11.4 kW |
| COP Tj = +2°C | 3.51 | 2.62 |
| Cdh Tj = +2 °C | 1 | 1 |
| Pdh Tj = +7°C | 8.3 kW | 9 kW |
| COP Tj = +7°C | 5.67 | 3.78 |
| Cdh Tj = +7 °C | 1 | 1 |
| Pdh Tj = 12°C | 5.7 kW | 5.9 kW |
| COP Tj = 12°C | 7.04 | 5.63 |
| Cdh Tj = +12 °C | 1 | 1 |
| Pdh Tj = Tbiv | 9.8 kW | 11.1 kW |
| COP Tj = Tbiv | 4.96 | 3.43 |
| Poff | 31 W | 31 W |
| PTO | 33 W | 33 W |
| PSB | 42 W | 42 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Annual energy consumption Qhe | 2992 kWh | 4453 kWh |

EN 14825 | Cooling

| | +7°C/+12°C | +18°C/+23°C |
|-------------------------------------------|------------|-------------|
| P _{designc} | 7.88 kW | |
| SEER | 4.08 | |
| P _{dc} T _j = 35°C | 7.88 kW | |
| EER T _j = 35°C | 2.69 | |
| P _{dc} T _j = 30°C | 5.92 kW | |
| EER T _j = 30°C | 3.69 | |
| C _{dc} T _j = 30 °C | 1 | |
| P _{dc} T _j = 25°C | 5.09 kW | |
| EER T _j = 25°C | 4.63 | |
| C _{dc} T _j = 25 °C | 1 | |
| P _{dc} T _j = 20°C | 5.13 kW | |
| EER T _j = 20°C | 5.61 | |
| C _{dc} T _j = 20 °C | 1 | |
| P _{off} | 31 W | |
| PTO | 33 W | |
| PSB | 42 W | |
| PCK | 0 W | |
| Annual energy consumption Q _{ce} | 1188 kWh | |

Model EPRA16DV37 / ETVH16S18E(6V/9W)7

| | |
|-------------------------------------|---------------------------------|
| Model name | EPRA16DV37 / ETVH16S18E(6V/9W)7 |
| Application | Heating + DHW + low temp |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | n/a |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |

General data

| | |
|------------------|-------------|
| Power supply | 1x230V 50Hz |
| Off-peak product | n/a |

Outdoor Air/Water

EN 16147 | Average Climate

| | |
|---------------------------------|------------|
| Declared load profile | L |
| Efficiency η_{DHW} | 110 % |
| COP | 2.62 |
| Heating up time | 1:07 h:min |
| Standby power input | 34.2 W |
| Reference hot water temperature | 52.5 °C |
| Mixed water at 40°C | 240 l |

EN 14511-4 | Heating

Shutting off the heat transfer medium flow passed

| | |
|-------------------------------|--------|
| Complete power supply failure | passed |
| Defrost test | passed |
| Starting and operating test | passed |

EN 14511-2 | Heating

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 9 kW | 7.24 kW |
| El input | 1.8 kW | 2.41 kW |
| COP | 5 | 3.01 |

EN 14511-2 | Cooling

| | +7°C/+12°C | +18°C/+23°C |
|------------------|------------|-------------|
| El input | 2.93 kW | |
| Cooling capacity | 7.88 | |
| EER | 2.69 | |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|--------------------------|-----------------|--------------------|
| Sound power level indoor | 44 dB(A) | 44 dB(A) |

| | | |
|---------------------------|----------|----------|
| Sound power level outdoor | 54 dB(A) | 54 dB(A) |
|---------------------------|----------|----------|

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|-----------------------------------------------------|-----------------|--------------------|
| η_s | 177 % | 140 % |
| Prated | 12.5 kW | 12.5 kW |
| SCOP | 4.51 | 3.58 |
| Tbiv | -7 °C | -10 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 11.1 kW | 11.2 kW |
| COP Tj = -7°C | 3.12 | 2.47 |
| Cdh Tj = -7 °C | 1 | 1 |
| Pdh Tj = +2°C | 6.7 kW | 6.9 kW |
| COP Tj = +2°C | 4.44 | 3.56 |
| Cdh Tj = +2 °C | 1 | 1 |
| Pdh Tj = +7°C | 5.7 kW | 6.9 kW |
| COP Tj = +7°C | 5.84 | 4.44 |
| Cdh Tj = +7 °C | 1 | 1 |
| Pdh Tj = 12°C | 6 kW | 6.2 kW |
| COP Tj = 12°C | 7.4 | 5.72 |
| Cdh Tj = +12 °C | 1 | 1 |
| Pdh Tj = Tbiv | 11.1 kW | 12.2 kW |
| COP Tj = Tbiv | 3.12 | 2.19 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 11.1 kW | 12.2 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.76 | 2.19 |
| WTOL | 35 °C | 55 °C |
| Poff | 21 W | 21 W |
| PTO | 41 W | 41 W |
| PSB | 21 W | 21 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 1.4 kW | 0 kW |
| Annual energy consumption Qhe | 5726 kWh | 7211 kWh |

EN 12102-1 | Colder Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 44 dB(A) | 44 dB(A) |
| Sound power level outdoor | 44 dB(A) | 44 dB(A) |

EN 14825 | Colder Climate

| | Low temperature | Medium temperature |
|----------|-----------------|--------------------|
| η_s | 163 % | 125 % |
| Tbiv | -15 °C | -18 °C |

| | | |
|-----------------------------------------------------|-------------|-------------|
| TOL | -22 °C | -22 °C |
| Pdh Tj = -7°C | 8 kW | 7.5 kW |
| COP Tj = -7°C | 3.5 | 2.74 |
| Cdh Tj = -7 °C | 1 | |
| Pdh Tj = +2°C | 4.9 kW | 5.8 kW |
| COP Tj = +2°C | 5.07 | 3.67 |
| Cdh Tj = +2 °C | 1 | 1 |
| Pdh Tj = +7°C | 5.3 kW | 5.6 kW |
| COP Tj = +7°C | 6.1 | 4.69 |
| Cdh Tj = +7 °C | 1 | 1 |
| Pdh Tj = 12°C | 5.7 kW | 6.2 kW |
| COP Tj = 12°C | 7.03 | 6.12 |
| Cdh Tj = +12 °C | 1 | |
| Pdh Tj = Tbiv | 10.7 kW | 11 kW |
| COP Tj = Tbiv | 2.62 | 1.9 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 10.1 kW | 10.6 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.16 | 1.65 |
| WTOL | 35 °C | 55 °C |
| Poff | 21 W | 21 W |
| PTO | 41 W | 41 W |
| PSB | 21 W | 21 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Annual energy consumption Qhe | 7417 kWh | 9654 kWh |

EN 12102-1 | Warmer Climate

| | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 44 dB(A) | 44 dB(A) |
| Sound power level outdoor | 44 dB(A) | 44 dB(A) |

EN 14825 | Warmer Climate

| | | |
|-----------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_s | 229 % | 166 % |
| Tbiv | 5 °C | 5 °C |
| Pdh Tj = +2°C | 9.8 kW | 10 kW |
| COP Tj = +2°C | 3.67 | 2.45 |
| Cdh Tj = +2 °C | 1 | 1 |
| Pdh Tj = +7°C | 7.9 kW | 9 kW |
| COP Tj = +7°C | 5.6 | 3.78 |
| Cdh Tj = +7 °C | 1 | 1 |
| Pdh Tj = 12°C | 6.1 kW | 5.9 kW |
| COP Tj = 12°C | 7.6 | 5.63 |
| Cdh Tj = +12 °C | 1 | 1 |

| | | |
|--------------------------------------------|-------------|-------------|
| Pdh Tj = Tbiv | 9.8 kW | 11.1 kW |
| COP Tj = Tbiv | 4.95 | 3.43 |
| Poff | 21 W | 21 W |
| PTO | 41 W | 41 W |
| PSB | 21 W | 21 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Annual energy consumption Qhe | 2885 kWh | 4463 kWh |

EN 14825 | Cooling

| | | |
|-------------------------------|------------|-------------|
| | +7°C/+12°C | +18°C/+23°C |
| Pdesignc | 7.88 kW | |
| SEER | 4.08 | |
| Pdc Tj = 35°C | 7.88 kW | |
| EER Tj = 35°C | 2.69 | |
| Pdc Tj = 30°C | 5.92 kW | |
| EER Tj = 30°C | 3.69 | |
| Cdc Tj = 30 °C | 1 | |
| Pdc Tj = 25°C | 5.09 kW | |
| EER Tj = 25°C | 4.63 | |
| Cdc Tj = 25 °C | 1 | |
| Pdc Tj = 20°C | 5.13 kW | |
| EER Tj = 20°C | 5.61 | |
| Cdc Tj = 20 °C | 1 | |
| Poff | 21 W | |
| PTO | 41 W | |
| PSB | 21 W | |
| PCK | 0 W | |
| Annual energy consumption Qce | 1158 kWh | |

Model EPRA16DW17 / ETVH16S18E(6V/9W)7

| | |
|-------------------------------------|---------------------------------|
| Model name | EPRA16DW17 / ETVH16S18E(6V/9W)7 |
| Application | Heating + DHW + low temp |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | n/a |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |

General data

| | |
|------------------|-------------|
| Power supply | 3x400V 50Hz |
| Off-peak product | n/a |

Outdoor Air/Water

EN 16147 | Average Climate

| | |
|---------------------------------|------------|
| Declared load profile | L |
| Efficiency η_{DHW} | 106 % |
| COP | 2.51 |
| Heating up time | 1:07 h:min |
| Standby power input | 42.9 W |
| Reference hot water temperature | 52.5 °C |
| Mixed water at 40°C | 240 l |

EN 14511-4 | Heating

Shutting off the heat transfer medium flow passed

| | |
|-------------------------------|--------|
| Complete power supply failure | passed |
| Defrost test | passed |
| Starting and operating test | passed |

EN 14511-2 | Heating

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 9 kW | 7.24 kW |
| El input | 1.8 kW | 2.47 kW |
| COP | 5 | 2.93 |

EN 14511-2 | Cooling

| | +7°C/+12°C | +18°C/+23°C |
|------------------|------------|-------------|
| El input | 2.93 kW | |
| Cooling capacity | 7.88 | |
| EER | 2.69 | |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|--------------------------|-----------------|--------------------|
| Sound power level indoor | 44 dB(A) | 44 dB(A) |

| | | |
|---------------------------|----------|----------|
| Sound power level outdoor | 54 dB(A) | 54 dB(A) |
|---------------------------|----------|----------|

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|-----------------------------------------------------|-----------------|--------------------|
| η_s | 186 % | 140 % |
| Prated | 12.5 kW | 12.5 kW |
| SCOP | 4.71 | 3.57 |
| Tbiv | -7 °C | -10 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 10.7 kW | 11.1 kW |
| COP Tj = -7°C | 2.97 | 2.43 |
| Cdh Tj = -7 °C | 1 | 1 |
| Pdh Tj = +2°C | 6.9 kW | 6.7 kW |
| COP Tj = +2°C | 4.94 | 3.52 |
| Cdh Tj = +2 °C | 1 | 1 |
| Pdh Tj = +7°C | 6.2 kW | 6.5 kW |
| COP Tj = +7°C | 5.95 | 4.54 |
| Cdh Tj = +7 °C | 1 | 1 |
| Pdh Tj = 12°C | 5.6 kW | 5.2 kW |
| COP Tj = 12°C | 7.07 | 5.97 |
| Cdh Tj = +12 °C | 1 | 1 |
| Pdh Tj = Tbiv | 10.7 kW | 12.5 kW |
| COP Tj = Tbiv | 2.97 | 2.12 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 12.1 kW | 12.5 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.88 | 2.12 |
| WTOL | 35 °C | 55 °C |
| Poff | 31 W | 31 W |
| PTO | 33 W | 33 W |
| PSB | 42 W | 42 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.4 kW | 0 kW |
| Annual energy consumption Qhe | 5479 kWh | 7236 kWh |

EN 12102-1 | Colder Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 44 dB(A) | 44 dB(A) |
| Sound power level outdoor | 44 dB(A) | 44 dB(A) |

EN 14825 | Colder Climate

| | Low temperature | Medium temperature |
|----------|-----------------|--------------------|
| η_s | 163 % | 125 % |
| Tbiv | -15 °C | -18 °C |

| | | |
|-----------------------------------------------------|-------------|-------------|
| TOL | -22 °C | -22 °C |
| Pdh Tj = -7°C | 8 kW | 7.5 kW |
| COP Tj = -7°C | 3.5 | 2.74 |
| Cdh Tj = -7 °C | 1 | |
| Pdh Tj = +2°C | 4.9 kW | 5.8 kW |
| COP Tj = +2°C | 5.07 | 3.67 |
| Cdh Tj = +2 °C | 1 | 1 |
| Pdh Tj = +7°C | 5.3 kW | 5.6 kW |
| COP Tj = +7°C | 6.1 | 4.69 |
| Cdh Tj = +7 °C | 1 | 1 |
| Pdh Tj = 12°C | 5.7 kW | 6.2 kW |
| COP Tj = 12°C | 7.03 | 6.12 |
| Cdh Tj = +12 °C | 1 | |
| Pdh Tj = Tbiv | 10.7 kW | 11 kW |
| COP Tj = Tbiv | 2.62 | 1.9 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 10.1 kW | 10.6 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.16 | 1.65 |
| WTOL | 35 °C | 55 °C |
| Poff | 31 W | 31 W |
| PTO | 33 W | 33 W |
| PSB | 42 W | 42 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Annual energy consumption Qhe | 7425 kWh | 9658 kWh |

EN 12102-1 | Warmer Climate

| | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 44 dB(A) | 44 dB(A) |
| Sound power level outdoor | 44 dB(A) | 44 dB(A) |

EN 14825 | Warmer Climate

| | | |
|-----------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_s | 220 % | 166 % |
| Tbiv | 5 °C | 5 °C |
| Pdh Tj = +2°C | 10 kW | 11.4 kW |
| COP Tj = +2°C | 3.51 | 2.62 |
| Cdh Tj = +2 °C | 1 | 1 |
| Pdh Tj = +7°C | 8.3 kW | 9 kW |
| COP Tj = +7°C | 5.67 | 3.78 |
| Cdh Tj = +7 °C | 1 | 1 |
| Pdh Tj = 12°C | 5.7 kW | 5.9 kW |
| COP Tj = 12°C | 7.04 | 5.63 |
| Cdh Tj = +12 °C | 1 | 1 |

| | | |
|--------------------------------------------|-------------|-------------|
| Pdh Tj = Tbiv | 9.8 kW | 11.1 kW |
| COP Tj = Tbiv | 4.96 | 3.43 |
| Poff | 31 W | 31 W |
| PTO | 33 W | 33 W |
| PSB | 42 W | 42 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Annual energy consumption Qhe | 2992 kWh | 4453 kWh |

EN 14825 | Cooling

| | | |
|-------------------------------|------------|-------------|
| | +7°C/+12°C | +18°C/+23°C |
| Pdesignc | 7.88 kW | |
| SEER | 4.08 | |
| Pdc Tj = 35°C | 7.88 kW | |
| EER Tj = 35°C | 2.69 | |
| Pdc Tj = 30°C | 5.92 kW | |
| EER Tj = 30°C | 3.69 | |
| Cdc Tj = 30 °C | 1 | |
| Pdc Tj = 25°C | 5.09 kW | |
| EER Tj = 25°C | 4.63 | |
| Cdc Tj = 25 °C | 1 | |
| Pdc Tj = 20°C | 5.13 kW | |
| EER Tj = 20°C | 5.61 | |
| Cdc Tj = 20 °C | 1 | |
| Poff | 31 W | |
| PTO | 33 W | |
| PSB | 42 W | |
| PCK | 0 W | |
| Annual energy consumption Qce | 1188 kWh | |

Model EPRA16DV37 / ETVH16SU18E6V7

| | |
|-------------------------------------|-----------------------------|
| Model name | EPRA16DV37 / ETVH16SU18E6V7 |
| Application | Heating + DHW + low temp |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | n/a |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |

General data

| | |
|------------------|-------------|
| Power supply | 1x230V 50Hz |
| Off-peak product | n/a |

Outdoor Air/Water

EN 16147 | Average Climate

| | |
|---------------------------------|------------|
| Declared load profile | L |
| Efficiency η_{DHW} | 110 % |
| COP | 2.62 |
| Heating up time | 1:07 h:min |
| Standby power input | 34.2 W |
| Reference hot water temperature | 52.5 °C |
| Mixed water at 40°C | 240 l |

EN 14511-4 | Heating

Shutting off the heat transfer medium flow passed

| | |
|-------------------------------|--------|
| Complete power supply failure | passed |
| Defrost test | passed |
| Starting and operating test | passed |

EN 14511-2 | Heating

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 9 kW | 7.24 kW |
| El input | 1.8 kW | 2.41 kW |
| COP | 5 | 3.01 |

EN 14511-2 | Cooling

| | +7°C/+12°C | +18°C/+23°C |
|------------------|------------|-------------|
| El input | 2.93 kW | |
| Cooling capacity | 7.88 | |
| EER | 2.69 | |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|--------------------------|-----------------|--------------------|
| Sound power level indoor | 44 dB(A) | 44 dB(A) |

| | | |
|---------------------------|----------|----------|
| Sound power level outdoor | 54 dB(A) | 54 dB(A) |
|---------------------------|----------|----------|

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|-----------------------------------------------------|-----------------|--------------------|
| η_s | 177 % | 140 % |
| Prated | 12.5 kW | 12.5 kW |
| SCOP | 4.51 | 3.58 |
| Tbiv | -7 °C | -10 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 11.1 kW | 11.2 kW |
| COP Tj = -7°C | 3.12 | 2.47 |
| Cdh Tj = -7 °C | 1 | 1 |
| Pdh Tj = +2°C | 6.7 kW | 6.9 kW |
| COP Tj = +2°C | 4.44 | 3.56 |
| Cdh Tj = +2 °C | 1 | 1 |
| Pdh Tj = +7°C | 5.7 kW | 6.9 kW |
| COP Tj = +7°C | 5.84 | 4.44 |
| Cdh Tj = +7 °C | 1 | 1 |
| Pdh Tj = 12°C | 6 kW | 6.2 kW |
| COP Tj = 12°C | 7.4 | 5.72 |
| Cdh Tj = +12 °C | 1 | 1 |
| Pdh Tj = Tbiv | 11.1 kW | 12.2 kW |
| COP Tj = Tbiv | 3.12 | 2.19 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 11.1 kW | 12.2 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.76 | 2.19 |
| WTOL | 35 °C | 55 °C |
| Poff | 21 W | 21 W |
| PTO | 41 W | 41 W |
| PSB | 21 W | 21 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 1.4 kW | 0 kW |
| Annual energy consumption Qhe | 5726 kWh | 7211 kWh |

EN 12102-1 | Colder Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 44 dB(A) | 44 dB(A) |
| Sound power level outdoor | 44 dB(A) | 44 dB(A) |

EN 14825 | Colder Climate

| | Low temperature | Medium temperature |
|----------|-----------------|--------------------|
| η_s | 163 % | 125 % |
| Tbiv | -15 °C | -18 °C |

| | | |
|-----------------------------------------------------|-------------|-------------|
| TOL | -22 °C | -22 °C |
| Pdh Tj = -7°C | 8 kW | 7.5 kW |
| COP Tj = -7°C | 3.5 | 2.74 |
| Cdh Tj = -7 °C | 1 | |
| Pdh Tj = +2°C | 4.9 kW | 5.8 kW |
| COP Tj = +2°C | 5.07 | 3.67 |
| Cdh Tj = +2 °C | 1 | 1 |
| Pdh Tj = +7°C | 5.3 kW | 5.6 kW |
| COP Tj = +7°C | 6.1 | 4.69 |
| Cdh Tj = +7 °C | 1 | 1 |
| Pdh Tj = 12°C | 5.7 kW | 6.2 kW |
| COP Tj = 12°C | 7.03 | 6.12 |
| Cdh Tj = +12 °C | 1 | |
| Pdh Tj = Tbiv | 10.7 kW | 11 kW |
| COP Tj = Tbiv | 2.62 | 1.9 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 10.1 kW | 10.6 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.16 | 1.65 |
| WTOL | 35 °C | 55 °C |
| Poff | 21 W | 21 W |
| PTO | 41 W | 41 W |
| PSB | 21 W | 21 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Annual energy consumption Qhe | 7417 kWh | 9654 kWh |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 44 dB(A) | 44 dB(A) |
| Sound power level outdoor | 44 dB(A) | 44 dB(A) |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|-----------------|-----------------|--------------------|
| η_s | 229 % | 166 % |
| Tbiv | 5 °C | 5 °C |
| Pdh Tj = +2°C | 9.8 kW | 10 kW |
| COP Tj = +2°C | 3.67 | 2.45 |
| Cdh Tj = +2 °C | 1 | 1 |
| Pdh Tj = +7°C | 7.9 kW | 9 kW |
| COP Tj = +7°C | 5.6 | 3.78 |
| Cdh Tj = +7 °C | 1 | 1 |
| Pdh Tj = 12°C | 6.1 kW | 5.9 kW |
| COP Tj = 12°C | 7.6 | 5.63 |
| Cdh Tj = +12 °C | 1 | 1 |

| | | |
|--------------------------------------------|-------------|-------------|
| Pdh Tj = Tbiv | 9.8 kW | 11.1 kW |
| COP Tj = Tbiv | 4.95 | 3.43 |
| Poff | 21 W | 21 W |
| PTO | 41 W | 41 W |
| PSB | 21 W | 21 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Annual energy consumption Qhe | 2885 kWh | 4463 kWh |

EN 14825 | Cooling

| | | |
|-------------------------------|------------|-------------|
| | +7°C/+12°C | +18°C/+23°C |
| Pdesignc | 7.88 kW | |
| SEER | 4.08 | |
| Pdc Tj = 35°C | 7.88 kW | |
| EER Tj = 35°C | 2.69 | |
| Pdc Tj = 30°C | 5.92 kW | |
| EER Tj = 30°C | 3.69 | |
| Cdc Tj = 30 °C | 1 | |
| Pdc Tj = 25°C | 5.09 kW | |
| EER Tj = 25°C | 4.63 | |
| Cdc Tj = 25 °C | 1 | |
| Pdc Tj = 20°C | 5.13 kW | |
| EER Tj = 20°C | 5.61 | |
| Cdc Tj = 20 °C | 1 | |
| Poff | 21 W | |
| PTO | 41 W | |
| PSB | 21 W | |
| PCK | 0 W | |
| Annual energy consumption Qce | 1158 kWh | |

Model EPRA16DW17 / ETVH16SU18E6V7

| | |
|-------------------------------------|-----------------------------|
| Model name | EPRA16DW17 / ETVH16SU18E6V7 |
| Application | Heating + DHW + low temp |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | n/a |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |

General data

| | |
|------------------|-------------|
| Power supply | 3x400V 50Hz |
| Off-peak product | n/a |

Outdoor Air/Water

EN 16147 | Average Climate

| | |
|---------------------------------|------------|
| Declared load profile | L |
| Efficiency η_{DHW} | 106 % |
| COP | 2.51 |
| Heating up time | 1:07 h:min |
| Standby power input | 42.9 W |
| Reference hot water temperature | 52.5 °C |
| Mixed water at 40°C | 240 l |

EN 14511-4 | Heating

Shutting off the heat transfer medium flow passed

| | |
|-------------------------------|--------|
| Complete power supply failure | passed |
| Defrost test | passed |
| Starting and operating test | passed |

EN 14511-2 | Heating

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 9 kW | 7.24 kW |
| El input | 1.8 kW | 2.47 kW |
| COP | 5 | 2.93 |

EN 14511-2 | Cooling

| | +7°C/+12°C | +18°C/+23°C |
|------------------|------------|-------------|
| El input | 2.93 kW | |
| Cooling capacity | 7.88 | |
| EER | 2.69 | |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|--------------------------|-----------------|--------------------|
| Sound power level indoor | 44 dB(A) | 44 dB(A) |

| | | |
|---------------------------|----------|----------|
| Sound power level outdoor | 54 dB(A) | 54 dB(A) |
|---------------------------|----------|----------|

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|-----------------------------------------------------|-----------------|--------------------|
| η_s | 186 % | 140 % |
| Prated | 12.5 kW | 12.5 kW |
| SCOP | 4.71 | 3.57 |
| Tbiv | -7 °C | -10 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 10.7 kW | 11.1 kW |
| COP Tj = -7°C | 2.97 | 2.43 |
| Cdh Tj = -7 °C | 1 | 1 |
| Pdh Tj = +2°C | 6.9 kW | 6.7 kW |
| COP Tj = +2°C | 4.94 | 3.52 |
| Cdh Tj = +2 °C | 1 | 1 |
| Pdh Tj = +7°C | 6.2 kW | 6.5 kW |
| COP Tj = +7°C | 5.95 | 4.54 |
| Cdh Tj = +7 °C | 1 | 1 |
| Pdh Tj = 12°C | 5.6 kW | 5.2 kW |
| COP Tj = 12°C | 7.07 | 5.97 |
| Cdh Tj = +12 °C | 1 | 1 |
| Pdh Tj = Tbiv | 10.7 kW | 12.5 kW |
| COP Tj = Tbiv | 2.97 | 2.12 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 12.1 kW | 12.5 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.88 | 2.12 |
| WTOL | 35 °C | 55 °C |
| Poff | 31 W | 31 W |
| PTO | 33 W | 33 W |
| PSB | 42 W | 42 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.4 kW | 0 kW |
| Annual energy consumption Qhe | 5479 kWh | 7236 kWh |

EN 12102-1 | Colder Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 44 dB(A) | 44 dB(A) |
| Sound power level outdoor | 44 dB(A) | 44 dB(A) |

EN 14825 | Colder Climate

| | Low temperature | Medium temperature |
|----------|-----------------|--------------------|
| η_s | 163 % | 125 % |
| Tbiv | -15 °C | -18 °C |

| | | |
|-----------------------------------------------------|-------------|-------------|
| TOL | -22 °C | -22 °C |
| Pdh Tj = -7°C | 8 kW | 7.5 kW |
| COP Tj = -7°C | 3.5 | 2.74 |
| Cdh Tj = -7 °C | 1 | |
| Pdh Tj = +2°C | 4.9 kW | 5.8 kW |
| COP Tj = +2°C | 5.07 | 3.67 |
| Cdh Tj = +2 °C | 1 | 1 |
| Pdh Tj = +7°C | 5.3 kW | 5.6 kW |
| COP Tj = +7°C | 6.1 | 4.69 |
| Cdh Tj = +7 °C | 1 | 1 |
| Pdh Tj = 12°C | 5.7 kW | 6.2 kW |
| COP Tj = 12°C | 7.03 | 6.12 |
| Cdh Tj = +12 °C | 1 | |
| Pdh Tj = Tbiv | 10.7 kW | 11 kW |
| COP Tj = Tbiv | 2.62 | 1.9 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 10.1 kW | 10.6 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.16 | 1.65 |
| WTOL | 35 °C | 55 °C |
| Poff | 31 W | 31 W |
| PTO | 33 W | 33 W |
| PSB | 42 W | 42 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Annual energy consumption Qhe | 7425 kWh | 9658 kWh |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 44 dB(A) | 44 dB(A) |
| Sound power level outdoor | 44 dB(A) | 44 dB(A) |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|-----------------|-----------------|--------------------|
| η_s | 220 % | 166 % |
| Tbiv | 5 °C | 5 °C |
| Pdh Tj = +2°C | 10 kW | 11.4 kW |
| COP Tj = +2°C | 3.51 | 2.62 |
| Cdh Tj = +2 °C | 1 | 1 |
| Pdh Tj = +7°C | 8.3 kW | 9 kW |
| COP Tj = +7°C | 5.67 | 3.78 |
| Cdh Tj = +7 °C | 1 | 1 |
| Pdh Tj = 12°C | 5.7 kW | 5.9 kW |
| COP Tj = 12°C | 7.04 | 5.63 |
| Cdh Tj = +12 °C | 1 | 1 |

| | | |
|--------------------------------------------|-------------|-------------|
| Pdh Tj = Tbiv | 9.8 kW | 11.1 kW |
| COP Tj = Tbiv | 4.96 | 3.43 |
| Poff | 31 W | 31 W |
| PTO | 33 W | 33 W |
| PSB | 42 W | 42 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Annual energy consumption Qhe | 2992 kWh | 4453 kWh |

EN 14825 | Cooling

| | | |
|-------------------------------|------------|-------------|
| | +7°C/+12°C | +18°C/+23°C |
| Pdesignc | 7.88 kW | |
| SEER | 4.08 | |
| Pdc Tj = 35°C | 7.88 kW | |
| EER Tj = 35°C | 2.69 | |
| Pdc Tj = 30°C | 5.92 kW | |
| EER Tj = 30°C | 3.69 | |
| Cdc Tj = 30 °C | 1 | |
| Pdc Tj = 25°C | 5.09 kW | |
| EER Tj = 25°C | 4.63 | |
| Cdc Tj = 25 °C | 1 | |
| Pdc Tj = 20°C | 5.13 kW | |
| EER Tj = 20°C | 5.61 | |
| Cdc Tj = 20 °C | 1 | |
| Poff | 31 W | |
| PTO | 33 W | |
| PSB | 42 W | |
| PCK | 0 W | |
| Annual energy consumption Qce | 1188 kWh | |

Model EPRA16DV37 / ETVX16S18E(6V/9W)7

| | |
|-------------------------------------|---------------------------------|
| Model name | EPRA16DV37 / ETVX16S18E(6V/9W)7 |
| Application | Heating + DHW + low temp |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | n/a |
| Reversibility | Yes |
| Cooling mode application (optional) | +7°C/12°C |
| Any additional heat sources | n/a |

General data

| | |
|------------------|-------------|
| Power supply | 1x230V 50Hz |
| Off-peak product | n/a |

Outdoor Air/Water

EN 16147 | Average Climate

| | |
|---------------------------------|------------|
| Declared load profile | L |
| Efficiency η_{DHW} | 110 % |
| COP | 2.62 |
| Heating up time | 1:07 h:min |
| Standby power input | 34.2 W |
| Reference hot water temperature | 52.5 °C |
| Mixed water at 40°C | 240 l |

EN 14511-4 | Heating

Shutting off the heat transfer medium flow passed

| | |
|-------------------------------|--------|
| Complete power supply failure | passed |
| Defrost test | passed |
| Starting and operating test | passed |

EN 14511-2 | Heating

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 9 kW | 7.24 kW |
| El input | 1.8 kW | 2.41 kW |
| COP | 5 | 3.01 |

EN 14511-2 | Cooling

| | +7°C/+12°C | +18°C/+23°C |
|------------------|------------|-------------|
| El input | 2.93 kW | |
| Cooling capacity | 7.88 | |
| EER | 2.69 | |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|--|-----------------|--------------------|
|--|-----------------|--------------------|

| | | |
|---------------------------|----------|----------|
| Sound power level indoor | 44 dB(A) | 44 dB(A) |
| Sound power level outdoor | 54 dB(A) | 54 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|-----------------------------------------------------|-----------------|--------------------|
| η_s | 177 % | 140 % |
| Prated | 12.5 kW | 12.5 kW |
| SCOP | 4.51 | 3.58 |
| Tbiv | -7 °C | -10 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 11.1 kW | 11.2 kW |
| COP Tj = -7°C | 3.12 | 2.47 |
| Cdh Tj = -7 °C | 1 | 1 |
| Pdh Tj = +2°C | 6.7 kW | 6.9 kW |
| COP Tj = +2°C | 4.44 | 3.56 |
| Cdh Tj = +2 °C | 1 | 1 |
| Pdh Tj = +7°C | 5.7 kW | 6.9 kW |
| COP Tj = +7°C | 5.84 | 4.44 |
| Cdh Tj = +7 °C | 1 | 1 |
| Pdh Tj = 12°C | 6 kW | 6.2 kW |
| COP Tj = 12°C | 7.4 | 5.72 |
| Cdh Tj = +12 °C | 1 | 1 |
| Pdh Tj = Tbiv | 11.1 kW | 12.2 kW |
| COP Tj = Tbiv | 3.12 | 2.19 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 11.1 kW | 12.2 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.76 | 2.19 |
| WTOL | 35 °C | 55 °C |
| Poff | 21 W | 21 W |
| PTO | 41 W | 41 W |
| PSB | 21 W | 21 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 1.4 kW | 0 kW |
| Annual energy consumption Qhe | 5726 kWh | 7211 kWh |

EN 12102-1 | Colder Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 44 dB(A) | 44 dB(A) |
| Sound power level outdoor | 44 dB(A) | 44 dB(A) |

EN 14825 | Colder Climate

| | Low temperature | Medium temperature |
|----------|-----------------|--------------------|
| η_s | 163 % | 125 % |

| | | |
|-----------------------------------------------------|-------------|-------------|
| Tbiv | -15 °C | -18 °C |
| TOL | -22 °C | -22 °C |
| Pdh Tj = -7°C | 8 kW | 7.5 kW |
| COP Tj = -7°C | 3.5 | 2.74 |
| Cdh Tj = -7 °C | 1 | |
| Pdh Tj = +2°C | 4.9 kW | 5.8 kW |
| COP Tj = +2°C | 5.07 | 3.67 |
| Cdh Tj = +2 °C | 1 | 1 |
| Pdh Tj = +7°C | 5.3 kW | 5.6 kW |
| COP Tj = +7°C | 6.1 | 4.69 |
| Cdh Tj = +7 °C | 1 | 1 |
| Pdh Tj = 12°C | 5.7 kW | 6.2 kW |
| COP Tj = 12°C | 7.03 | 6.12 |
| Cdh Tj = +12 °C | 1 | |
| Pdh Tj = Tbiv | 10.7 kW | 11 kW |
| COP Tj = Tbiv | 2.62 | 1.9 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 10.1 kW | 10.6 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.16 | 1.65 |
| WTOL | 35 °C | 55 °C |
| Poff | 21 W | 21 W |
| PTO | 41 W | 41 W |
| PSB | 21 W | 21 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Annual energy consumption Qhe | 7417 kWh | 9654 kWh |

EN 12102-1 | Warmer Climate

| | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 44 dB(A) | 44 dB(A) |
| Sound power level outdoor | 44 dB(A) | 44 dB(A) |

EN 14825 | Warmer Climate

| | | |
|----------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_s | 229 % | 166 % |
| Tbiv | 5 °C | 5 °C |
| Pdh Tj = +2°C | 9.8 kW | 10 kW |
| COP Tj = +2°C | 3.67 | 2.45 |
| Cdh Tj = +2 °C | 1 | 1 |
| Pdh Tj = +7°C | 7.9 kW | 9 kW |
| COP Tj = +7°C | 5.6 | 3.78 |
| Cdh Tj = +7 °C | 1 | 1 |
| Pdh Tj = 12°C | 6.1 kW | 5.9 kW |
| COP Tj = 12°C | 7.6 | 5.63 |

| | | |
|--------------------------------------------|-------------|-------------|
| Cdh Tj = +12 °C | 1 | 1 |
| Pdh Tj = Tbiv | 9.8 kW | 11.1 kW |
| COP Tj = Tbiv | 4.95 | 3.43 |
| Poff | 21 W | 21 W |
| PTO | 41 W | 41 W |
| PSB | 21 W | 21 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Annual energy consumption Qhe | 2885 kWh | 4463 kWh |

EN 14825 | Cooling

| | +7°C/+12°C | +18°C/+23°C |
|-------------------------------|------------|-------------|
| Pdesignc | 7.88 kW | |
| SEER | 4.08 | |
| Pdc Tj = 35°C | 7.88 kW | |
| EER Tj = 35°C | 2.69 | |
| Pdc Tj = 30°C | 5.92 kW | |
| EER Tj = 30°C | 3.69 | |
| Cdc Tj = 30 °C | 1 | |
| Pdc Tj = 25°C | 5.09 kW | |
| EER Tj = 25°C | 4.63 | |
| Cdc Tj = 25 °C | 1 | |
| Pdc Tj = 20°C | 5.13 kW | |
| EER Tj = 20°C | 5.61 | |
| Cdc Tj = 20 °C | 1 | |
| Poff | 21 W | |
| PTO | 41 W | |
| PSB | 21 W | |
| PCK | 0 W | |
| Annual energy consumption Qce | 1158 kWh | |

Model EPRA16DW17 / ETVX16S18E(6V/9W)7

| | |
|-------------------------------------|---------------------------------|
| Model name | EPRA16DW17 / ETVX16S18E(6V/9W)7 |
| Application | Heating + DHW + low temp |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | n/a |
| Reversibility | Yes |
| Cooling mode application (optional) | +7°C/12°C |
| Any additional heat sources | n/a |

General data

| | |
|------------------|-------------|
| Power supply | 3x400V 50Hz |
| Off-peak product | n/a |

Outdoor Air/Water

EN 16147 | Average Climate

| | |
|---------------------------------|------------|
| Declared load profile | L |
| Efficiency η_{DHW} | 106 % |
| COP | 2.51 |
| Heating up time | 1:07 h:min |
| Standby power input | 42.9 W |
| Reference hot water temperature | 52.5 °C |
| Mixed water at 40°C | 240 l |

EN 14511-4 | Heating

Shutting off the heat transfer medium flow passed

| | |
|-------------------------------|--------|
| Complete power supply failure | passed |
| Defrost test | passed |
| Starting and operating test | passed |

EN 14511-2 | Heating

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 9 kW | 7.24 kW |
| El input | 1.8 kW | 2.47 kW |
| COP | 5 | 2.93 |

EN 14511-2 | Cooling

| | +7°C/+12°C | +18°C/+23°C |
|------------------|------------|-------------|
| El input | 2.93 kW | |
| Cooling capacity | 7.88 | |
| EER | 2.69 | |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|--|-----------------|--------------------|
|--|-----------------|--------------------|

| | | |
|---------------------------|----------|----------|
| Sound power level indoor | 44 dB(A) | 44 dB(A) |
| Sound power level outdoor | 54 dB(A) | 54 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|-----------------------------------------------------|-----------------|--------------------|
| η_s | 186 % | 140 % |
| Prated | 12.5 kW | 12.5 kW |
| SCOP | 4.71 | 3.57 |
| Tbiv | -7 °C | -10 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 10.7 kW | 11.1 kW |
| COP Tj = -7°C | 2.97 | 2.43 |
| Cdh Tj = -7 °C | 1 | 1 |
| Pdh Tj = +2°C | 6.9 kW | 6.7 kW |
| COP Tj = +2°C | 4.94 | 3.52 |
| Cdh Tj = +2 °C | 1 | 1 |
| Pdh Tj = +7°C | 6.2 kW | 6.5 kW |
| COP Tj = +7°C | 5.95 | 4.54 |
| Cdh Tj = +7 °C | 1 | 1 |
| Pdh Tj = 12°C | 5.6 kW | 5.2 kW |
| COP Tj = 12°C | 7.07 | 5.97 |
| Cdh Tj = +12 °C | 1 | 1 |
| Pdh Tj = Tbiv | 10.7 kW | 12.5 kW |
| COP Tj = Tbiv | 2.97 | 2.12 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 12.1 kW | 12.5 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.88 | 2.12 |
| WTOL | 35 °C | 55 °C |
| Poff | 31 W | 31 W |
| PTO | 33 W | 33 W |
| PSB | 42 W | 42 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.4 kW | 0 kW |
| Annual energy consumption Qhe | 5479 kWh | 7236 kWh |

EN 12102-1 | Colder Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 44 dB(A) | 44 dB(A) |
| Sound power level outdoor | 44 dB(A) | 44 dB(A) |

EN 14825 | Colder Climate

| | Low temperature | Medium temperature |
|----------|-----------------|--------------------|
| η_s | 163 % | 125 % |

| | | |
|-----------------------------------------------------|-------------|-------------|
| Tbiv | -15 °C | -18 °C |
| TOL | -22 °C | -22 °C |
| Pdh Tj = -7°C | 8 kW | 7.5 kW |
| COP Tj = -7°C | 3.5 | 2.74 |
| Cdh Tj = -7 °C | 1 | |
| Pdh Tj = +2°C | 4.9 kW | 5.8 kW |
| COP Tj = +2°C | 5.07 | 3.67 |
| Cdh Tj = +2 °C | 1 | 1 |
| Pdh Tj = +7°C | 5.3 kW | 5.6 kW |
| COP Tj = +7°C | 6.1 | 4.69 |
| Cdh Tj = +7 °C | 1 | 1 |
| Pdh Tj = 12°C | 5.7 kW | 6.2 kW |
| COP Tj = 12°C | 7.03 | 6.12 |
| Cdh Tj = +12 °C | 1 | |
| Pdh Tj = Tbiv | 10.7 kW | 11 kW |
| COP Tj = Tbiv | 2.62 | 1.9 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 10.1 kW | 10.6 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.16 | 1.65 |
| WTOL | 35 °C | 55 °C |
| Poff | 31 W | 31 W |
| PTO | 33 W | 33 W |
| PSB | 42 W | 42 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Annual energy consumption Qhe | 7425 kWh | 9658 kWh |

EN 12102-1 | Warmer Climate

| | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 44 dB(A) | 44 dB(A) |
| Sound power level outdoor | 44 dB(A) | 44 dB(A) |

EN 14825 | Warmer Climate

| | | |
|----------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_s | 220 % | 166 % |
| Tbiv | 5 °C | 5 °C |
| Pdh Tj = +2°C | 10 kW | 11.4 kW |
| COP Tj = +2°C | 3.51 | 2.62 |
| Cdh Tj = +2 °C | 1 | 1 |
| Pdh Tj = +7°C | 8.3 kW | 9 kW |
| COP Tj = +7°C | 5.67 | 3.78 |
| Cdh Tj = +7 °C | 1 | 1 |
| Pdh Tj = 12°C | 5.7 kW | 5.9 kW |
| COP Tj = 12°C | 7.04 | 5.63 |

| | | |
|--------------------------------------------|-------------|-------------|
| Cdh Tj = +12 °C | 1 | 1 |
| Pdh Tj = Tbiv | 9.8 kW | 11.1 kW |
| COP Tj = Tbiv | 4.96 | 3.43 |
| Poff | 31 W | 31 W |
| PTO | 33 W | 33 W |
| PSB | 42 W | 42 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Annual energy consumption Qhe | 2992 kWh | 4453 kWh |

EN 14825 | Cooling

| | +7°C/+12°C | +18°C/+23°C |
|-------------------------------|------------|-------------|
| Pdesignc | 7.88 kW | |
| SEER | 4.08 | |
| Pdc Tj = 35°C | 7.88 kW | |
| EER Tj = 35°C | 2.69 | |
| Pdc Tj = 30°C | 5.92 kW | |
| EER Tj = 30°C | 3.69 | |
| Cdc Tj = 30 °C | 1 | |
| Pdc Tj = 25°C | 5.09 kW | |
| EER Tj = 25°C | 4.63 | |
| Cdc Tj = 25 °C | 1 | |
| Pdc Tj = 20°C | 5.13 kW | |
| EER Tj = 20°C | 5.61 | |
| Cdc Tj = 20 °C | 1 | |
| Poff | 31 W | |
| PTO | 33 W | |
| PSB | 42 W | |
| PCK | 0 W | |
| Annual energy consumption Qce | 1188 kWh | |

Model EPRA16DV37 / ETVZ16S18E(6V/9W)7

| | |
|-------------------------------------|---------------------------------|
| Model name | EPRA16DV37 / ETVZ16S18E(6V/9W)7 |
| Application | Heating + DHW + low temp |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | n/a |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |

General data

| | |
|------------------|-------------|
| Power supply | 1x230V 50Hz |
| Off-peak product | n/a |

Outdoor Air/Water

EN 16147 | Average Climate

| | |
|---------------------------------|------------|
| Declared load profile | L |
| Efficiency η_{DHW} | 110 % |
| COP | 2.62 |
| Heating up time | 1:07 h:min |
| Standby power input | 34.2 W |
| Reference hot water temperature | 52.5 °C |
| Mixed water at 40°C | 240 l |

EN 14511-4 | Heating

Shutting off the heat transfer medium flow passed

| | |
|-------------------------------|--------|
| Complete power supply failure | passed |
| Defrost test | passed |
| Starting and operating test | passed |

EN 14511-2 | Heating

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 9 kW | 7.24 kW |
| El input | 1.8 kW | 2.41 kW |
| COP | 5 | 3.01 |

EN 14511-2 | Cooling

| | +7°C/+12°C | +18°C/+23°C |
|------------------|------------|-------------|
| El input | 2.93 kW | |
| Cooling capacity | 7.88 | |
| EER | 2.69 | |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|--------------------------|-----------------|--------------------|
| Sound power level indoor | 44 dB(A) | 44 dB(A) |

| | | |
|---------------------------|----------|----------|
| Sound power level outdoor | 54 dB(A) | 54 dB(A) |
|---------------------------|----------|----------|

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|-----------------------------------------------------|-----------------|--------------------|
| η_s | 177 % | 140 % |
| Prated | 12.5 kW | 12.5 kW |
| SCOP | 4.51 | 3.58 |
| Tbiv | -7 °C | -10 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 11.1 kW | 11.2 kW |
| COP Tj = -7°C | 3.12 | 2.47 |
| Cdh Tj = -7 °C | 1 | 1 |
| Pdh Tj = +2°C | 6.7 kW | 6.9 kW |
| COP Tj = +2°C | 4.44 | 3.56 |
| Cdh Tj = +2 °C | 1 | 1 |
| Pdh Tj = +7°C | 5.7 kW | 6.9 kW |
| COP Tj = +7°C | 5.84 | 4.44 |
| Cdh Tj = +7 °C | 1 | 1 |
| Pdh Tj = 12°C | 6 kW | 6.2 kW |
| COP Tj = 12°C | 7.4 | 5.72 |
| Cdh Tj = +12 °C | 1 | 1 |
| Pdh Tj = Tbiv | 11.1 kW | 12.2 kW |
| COP Tj = Tbiv | 3.12 | 2.19 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 11.1 kW | 12.2 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.76 | 2.19 |
| WTOL | 35 °C | 55 °C |
| Poff | 21 W | 21 W |
| PTO | 41 W | 41 W |
| PSB | 21 W | 21 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 1.4 kW | 0 kW |
| Annual energy consumption Qhe | 5726 kWh | 7211 kWh |

EN 12102-1 | Colder Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 44 dB(A) | 44 dB(A) |
| Sound power level outdoor | 44 dB(A) | 44 dB(A) |

EN 14825 | Colder Climate

| | Low temperature | Medium temperature |
|----------|-----------------|--------------------|
| η_s | 163 % | 125 % |
| Tbiv | -15 °C | -18 °C |

| | | |
|-----------------------------------------------------|-------------|-------------|
| TOL | -22 °C | -22 °C |
| Pdh Tj = -7°C | 8 kW | 7.5 kW |
| COP Tj = -7°C | 3.5 | 2.74 |
| Cdh Tj = -7 °C | 1 | |
| Pdh Tj = +2°C | 4.9 kW | 5.8 kW |
| COP Tj = +2°C | 5.07 | 3.67 |
| Cdh Tj = +2 °C | 1 | 1 |
| Pdh Tj = +7°C | 5.3 kW | 5.6 kW |
| COP Tj = +7°C | 6.1 | 4.69 |
| Cdh Tj = +7 °C | 1 | 1 |
| Pdh Tj = 12°C | 5.7 kW | 6.2 kW |
| COP Tj = 12°C | 7.03 | 6.12 |
| Cdh Tj = +12 °C | 1 | |
| Pdh Tj = Tbiv | 10.7 kW | 11 kW |
| COP Tj = Tbiv | 2.62 | 1.9 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 10.1 kW | 10.6 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.16 | 1.65 |
| WTOL | 35 °C | 55 °C |
| Poff | 21 W | 21 W |
| PTO | 41 W | 41 W |
| PSB | 21 W | 21 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Annual energy consumption Qhe | 7417 kWh | 9654 kWh |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 44 dB(A) | 44 dB(A) |
| Sound power level outdoor | 44 dB(A) | 44 dB(A) |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|-----------------|-----------------|--------------------|
| η_s | 229 % | 166 % |
| Tbiv | 5 °C | 5 °C |
| Pdh Tj = +2°C | 9.8 kW | 10 kW |
| COP Tj = +2°C | 3.67 | 2.45 |
| Cdh Tj = +2 °C | 1 | 1 |
| Pdh Tj = +7°C | 7.9 kW | 9 kW |
| COP Tj = +7°C | 5.6 | 3.78 |
| Cdh Tj = +7 °C | 1 | 1 |
| Pdh Tj = 12°C | 6.1 kW | 5.9 kW |
| COP Tj = 12°C | 7.6 | 5.63 |
| Cdh Tj = +12 °C | 1 | 1 |

| | | |
|--------------------------------------------|-------------|-------------|
| Pdh Tj = Tbiv | 9.8 kW | 11.1 kW |
| COP Tj = Tbiv | 4.95 | 3.43 |
| Poff | 21 W | 21 W |
| PTO | 41 W | 41 W |
| PSB | 21 W | 21 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Annual energy consumption Qhe | 2885 kWh | 4463 kWh |

EN 14825 | Cooling

| | | |
|-------------------------------|------------|-------------|
| | +7°C/+12°C | +18°C/+23°C |
| Pdesignc | 7.88 kW | |
| SEER | 4.08 | |
| Pdc Tj = 35°C | 7.88 kW | |
| EER Tj = 35°C | 2.69 | |
| Pdc Tj = 30°C | 5.92 kW | |
| EER Tj = 30°C | 3.69 | |
| Cdc Tj = 30 °C | 1 | |
| Pdc Tj = 25°C | 5.09 kW | |
| EER Tj = 25°C | 4.63 | |
| Cdc Tj = 25 °C | 1 | |
| Pdc Tj = 20°C | 5.13 kW | |
| EER Tj = 20°C | 5.61 | |
| Cdc Tj = 20 °C | 1 | |
| Poff | 21 W | |
| PTO | 41 W | |
| PSB | 21 W | |
| PCK | 0 W | |
| Annual energy consumption Qce | 1158 kWh | |

Model EPRA16DW17 / ETVZ16S18E(6V/9W)7

| | |
|-------------------------------------|---------------------------------|
| Model name | EPRA16DW17 / ETVZ16S18E(6V/9W)7 |
| Application | Heating + DHW + low temp |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | n/a |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |

General data

| | |
|------------------|-------------|
| Power supply | 3x400V 50Hz |
| Off-peak product | n/a |

Outdoor Air/Water

EN 16147 | Average Climate

| | |
|---------------------------------|------------|
| Declared load profile | L |
| Efficiency η_{DHW} | 106 % |
| COP | 2.51 |
| Heating up time | 1:07 h:min |
| Standby power input | 42.9 W |
| Reference hot water temperature | 52.5 °C |
| Mixed water at 40°C | 240 l |

EN 14511-4 | Heating

Shutting off the heat transfer medium flow passed

| | |
|-------------------------------|--------|
| Complete power supply failure | passed |
| Defrost test | passed |
| Starting and operating test | passed |

EN 14511-2 | Heating

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 9 kW | 7.24 kW |
| El input | 1.8 kW | 2.47 kW |
| COP | 5 | 2.93 |

EN 14511-2 | Cooling

| | +7°C/+12°C | +18°C/+23°C |
|------------------|------------|-------------|
| El input | 2.93 kW | |
| Cooling capacity | 7.88 | |
| EER | 2.69 | |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|--------------------------|-----------------|--------------------|
| Sound power level indoor | 44 dB(A) | 44 dB(A) |

| | | |
|---------------------------|----------|----------|
| Sound power level outdoor | 54 dB(A) | 54 dB(A) |
|---------------------------|----------|----------|

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|-----------------------------------------------------|-----------------|--------------------|
| η_s | 186 % | 140 % |
| Prated | 12.5 kW | 12.5 kW |
| SCOP | 4.71 | 3.57 |
| Tbiv | -7 °C | -10 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 10.7 kW | 11.1 kW |
| COP Tj = -7°C | 2.97 | 2.43 |
| Cdh Tj = -7 °C | 1 | 1 |
| Pdh Tj = +2°C | 6.9 kW | 6.7 kW |
| COP Tj = +2°C | 4.94 | 3.52 |
| Cdh Tj = +2 °C | 1 | 1 |
| Pdh Tj = +7°C | 6.2 kW | 6.5 kW |
| COP Tj = +7°C | 5.95 | 4.54 |
| Cdh Tj = +7 °C | 1 | 1 |
| Pdh Tj = 12°C | 5.6 kW | 5.2 kW |
| COP Tj = 12°C | 7.07 | 5.97 |
| Cdh Tj = +12 °C | 1 | 1 |
| Pdh Tj = Tbiv | 10.7 kW | 12.5 kW |
| COP Tj = Tbiv | 2.97 | 2.12 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 12.1 kW | 12.5 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.88 | 2.12 |
| WTOL | 35 °C | 55 °C |
| Poff | 31 W | 31 W |
| PTO | 33 W | 33 W |
| PSB | 42 W | 42 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.4 kW | 0 kW |
| Annual energy consumption Qhe | 5479 kWh | 7236 kWh |

EN 12102-1 | Colder Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 44 dB(A) | 44 dB(A) |
| Sound power level outdoor | 44 dB(A) | 44 dB(A) |

EN 14825 | Colder Climate

| | Low temperature | Medium temperature |
|----------|-----------------|--------------------|
| η_s | 163 % | 125 % |
| Tbiv | -15 °C | -18 °C |

| | | |
|-----------------------------------------------------|-------------|-------------|
| TOL | -22 °C | -22 °C |
| Pdh Tj = -7°C | 8 kW | 7.5 kW |
| COP Tj = -7°C | 3.5 | 2.74 |
| Cdh Tj = -7 °C | 1 | |
| Pdh Tj = +2°C | 4.9 kW | 5.8 kW |
| COP Tj = +2°C | 5.07 | 3.67 |
| Cdh Tj = +2 °C | 1 | 1 |
| Pdh Tj = +7°C | 5.3 kW | 5.6 kW |
| COP Tj = +7°C | 6.1 | 4.69 |
| Cdh Tj = +7 °C | 1 | 1 |
| Pdh Tj = 12°C | 5.7 kW | 6.2 kW |
| COP Tj = 12°C | 7.03 | 6.12 |
| Cdh Tj = +12 °C | 1 | |
| Pdh Tj = Tbiv | 10.7 kW | 11 kW |
| COP Tj = Tbiv | 2.62 | 1.9 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 10.1 kW | 10.6 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.16 | 1.65 |
| WTOL | 35 °C | 55 °C |
| Poff | 31 W | 31 W |
| PTO | 33 W | 33 W |
| PSB | 42 W | 42 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Annual energy consumption Qhe | 7425 kWh | 9658 kWh |

EN 12102-1 | Warmer Climate

| | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 44 dB(A) | 44 dB(A) |
| Sound power level outdoor | 44 dB(A) | 44 dB(A) |

EN 14825 | Warmer Climate

| | | |
|-----------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_s | 220 % | 166 % |
| Tbiv | 5 °C | 5 °C |
| Pdh Tj = +2°C | 10 kW | 11.4 kW |
| COP Tj = +2°C | 3.51 | 2.62 |
| Cdh Tj = +2 °C | 1 | 1 |
| Pdh Tj = +7°C | 8.3 kW | 9 kW |
| COP Tj = +7°C | 5.67 | 3.78 |
| Cdh Tj = +7 °C | 1 | 1 |
| Pdh Tj = 12°C | 5.7 kW | 5.9 kW |
| COP Tj = 12°C | 7.04 | 5.63 |
| Cdh Tj = +12 °C | 1 | 1 |

| | | |
|--------------------------------------------|-------------|-------------|
| Pdh Tj = Tbiv | 9.8 kW | 11.1 kW |
| COP Tj = Tbiv | 4.96 | 3.43 |
| Poff | 31 W | 31 W |
| PTO | 33 W | 33 W |
| PSB | 42 W | 42 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Annual energy consumption Qhe | 2992 kWh | 4453 kWh |

EN 14825 | Cooling

| | | |
|-------------------------------|------------|-------------|
| | +7°C/+12°C | +18°C/+23°C |
| Pdesignc | 7.88 kW | |
| SEER | 4.08 | |
| Pdc Tj = 35°C | 7.88 kW | |
| EER Tj = 35°C | 2.69 | |
| Pdc Tj = 30°C | 5.92 kW | |
| EER Tj = 30°C | 3.69 | |
| Cdc Tj = 30 °C | 1 | |
| Pdc Tj = 25°C | 5.09 kW | |
| EER Tj = 25°C | 4.63 | |
| Cdc Tj = 25 °C | 1 | |
| Pdc Tj = 20°C | 5.13 kW | |
| EER Tj = 20°C | 5.61 | |
| Cdc Tj = 20 °C | 1 | |
| Poff | 31 W | |
| PTO | 33 W | |
| PSB | 42 W | |
| PCK | 0 W | |
| Annual energy consumption Qce | 1188 kWh | |

Model EPRA16DV37 / ETVX16S18E(6V/9W)7 + cooling kit

| | |
|-------------------------------------|-----------------------------------------------|
| Model name | EPRA16DV37 / ETVX16S18E(6V/9W)7 + cooling kit |
| Application | Heating + DHW + low temp |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | n/a |
| Reversibility | Yes |
| Cooling mode application (optional) | +7°C/12°C |
| Any additional heat sources | n/a |

General data

| | |
|------------------|-----|
| Power supply | n/a |
| Off-peak product | n/a |

Outdoor Air/Water

EN 16147 | Average Climate

| | |
|---------------------------------|------------|
| Declared load profile | L |
| Efficiency η_{DHW} | 110 % |
| COP | 2.62 |
| Heating up time | 1:07 h:min |
| Standby power input | 34.2 W |
| Reference hot water temperature | 52.5 °C |
| Mixed water at 40°C | 240 l |

EN 14511-4 | Heating

Shutting off the heat transfer medium flow passed

| | |
|-------------------------------|--------|
| Complete power supply failure | passed |
| Defrost test | passed |
| Starting and operating test | passed |

EN 14511-2 | Heating

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 9 kW | 7.24 kW |
| El input | 1.8 kW | 2.41 kW |
| COP | 5 | 3.01 |

EN 14511-2 | Cooling

| | +7°C/+12°C | +18°C/+23°C |
|------------------|------------|-------------|
| El input | 2.93 kW | |
| Cooling capacity | 7.88 | |
| EER | 2.69 | |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|--|-----------------|--------------------|
|--|-----------------|--------------------|

| | | |
|---------------------------|----------|----------|
| Sound power level indoor | 44 dB(A) | 44 dB(A) |
| Sound power level outdoor | 54 dB(A) | 54 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|-----------------------------------------------------|-----------------|--------------------|
| η_s | 177 % | 140 % |
| Prated | 12.5 kW | 12.5 kW |
| SCOP | 4.51 | 3.58 |
| Tbiv | -7 °C | -10 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 11.1 kW | 11.2 kW |
| COP Tj = -7°C | 3.12 | 2.47 |
| Cdh Tj = -7 °C | 1 | 1 |
| Pdh Tj = +2°C | 6.7 kW | 6.9 kW |
| COP Tj = +2°C | 4.44 | 3.56 |
| Cdh Tj = +2 °C | 1 | 1 |
| Pdh Tj = +7°C | 5.7 kW | 6.9 kW |
| COP Tj = +7°C | 5.84 | 4.44 |
| Cdh Tj = +7 °C | 1 | 1 |
| Pdh Tj = 12°C | 6 kW | 6.2 kW |
| COP Tj = 12°C | 7.4 | 5.72 |
| Cdh Tj = +12 °C | 1 | 1 |
| Pdh Tj = Tbiv | 11.1 kW | 12.2 kW |
| COP Tj = Tbiv | 3.12 | 2.19 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 11.1 kW | 12.2 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.76 | 2.19 |
| WTOL | 35 °C | 55 °C |
| Poff | 21 W | 21 W |
| PTO | 41 W | 41 W |
| PSB | 21 W | 21 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 1.4 kW | 0 kW |
| Annual energy consumption Qhe | 5726 kWh | 7211 kWh |

EN 12102-1 | Colder Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 44 dB(A) | 44 dB(A) |
| Sound power level outdoor | 44 dB(A) | 44 dB(A) |

EN 14825 | Colder Climate

| | Low temperature | Medium temperature |
|----------|-----------------|--------------------|
| η_s | 163 % | 125 % |

| | | |
|-----------------------------------------------------|-------------|-------------|
| Tbiv | -15 °C | -18 °C |
| TOL | -22 °C | -22 °C |
| Pdh Tj = -7°C | 8 kW | 7.5 kW |
| COP Tj = -7°C | 3.5 | 2.74 |
| Cdh Tj = -7 °C | 1 | |
| Pdh Tj = +2°C | 4.9 kW | 5.8 kW |
| COP Tj = +2°C | 5.07 | 3.67 |
| Cdh Tj = +2 °C | 1 | 1 |
| Pdh Tj = +7°C | 5.3 kW | 5.6 kW |
| COP Tj = +7°C | 6.1 | 4.69 |
| Cdh Tj = +7 °C | 1 | 1 |
| Pdh Tj = 12°C | 5.7 kW | 6.2 kW |
| COP Tj = 12°C | 7.03 | 6.12 |
| Cdh Tj = +12 °C | 1 | |
| Pdh Tj = Tbiv | 10.7 kW | 11 kW |
| COP Tj = Tbiv | 2.62 | 1.9 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 10.1 kW | 10.6 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.16 | 1.65 |
| WTOL | 35 °C | 55 °C |
| Poff | 21 W | 21 W |
| PTO | 41 W | 41 W |
| PSB | 21 W | 21 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Annual energy consumption Qhe | 7417 kWh | 9654 kWh |

EN 12102-1 | Warmer Climate

| | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 44 dB(A) | 44 dB(A) |
| Sound power level outdoor | 44 dB(A) | 44 dB(A) |

EN 14825 | Warmer Climate

| | | |
|----------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| ηs | 229 % | 166 % |
| Tbiv | 5 °C | 5 °C |
| Pdh Tj = +2°C | 9.8 kW | 10 kW |
| COP Tj = +2°C | 3.67 | 2.45 |
| Cdh Tj = +2 °C | 1 | 1 |
| Pdh Tj = +7°C | 7.9 kW | 9 kW |
| COP Tj = +7°C | 5.6 | 3.78 |
| Cdh Tj = +7 °C | 1 | 1 |
| Pdh Tj = 12°C | 6.1 kW | 5.9 kW |
| COP Tj = 12°C | 7.6 | 5.63 |

| | | |
|--------------------------------------------|-------------|-------------|
| Cdh Tj = +12 °C | 1 | 1 |
| Pdh Tj = Tbiv | 9.8 kW | 11.1 kW |
| COP Tj = Tbiv | 4.95 | 3.43 |
| Poff | 21 W | 21 W |
| PTO | 41 W | 41 W |
| PSB | 21 W | 21 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Annual energy consumption Qhe | 2885 kWh | 4463 kWh |

EN 14825 | Cooling

| | +7°C/+12°C | +18°C/+23°C |
|-------------------------------|------------|-------------|
| Pdesignc | 7.88 kW | |
| SEER | 4.08 | |
| Pdc Tj = 35°C | 7.88 kW | |
| EER Tj = 35°C | 2.69 | |
| Pdc Tj = 30°C | 5.92 kW | |
| EER Tj = 30°C | 3.69 | |
| Cdc Tj = 30 °C | 1 | |
| Pdc Tj = 25°C | 5.09 kW | |
| EER Tj = 25°C | 4.63 | |
| Cdc Tj = 25 °C | 1 | |
| Pdc Tj = 20°C | 5.13 kW | |
| EER Tj = 20°C | 5.61 | |
| Cdc Tj = 20 °C | 1 | |
| Poff | 21 W | |
| PTO | 41 W | |
| PSB | 21 W | |
| PCK | 0 W | |
| Annual energy consumption Qce | 1158 kWh | |

Model EPRA16DW17 / ETVX16S18E(6V/9W)7 + cooling kit

| | |
|-------------------------------------|-----------------------------------------------|
| Model name | EPRA16DW17 / ETVX16S18E(6V/9W)7 + cooling kit |
| Application | Heating + DHW + low temp |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | n/a |
| Reversibility | Yes |
| Cooling mode application (optional) | +7°C/12°C |
| Any additional heat sources | n/a |

General data

| | |
|------------------|-----|
| Power supply | n/a |
| Off-peak product | n/a |

Outdoor Air/Water

EN 16147 | Average Climate

| | |
|---------------------------------|------------|
| Declared load profile | L |
| Efficiency η_{DHW} | 106 % |
| COP | 2.51 |
| Heating up time | 1:07 h:min |
| Standby power input | 42.9 W |
| Reference hot water temperature | 52.5 °C |
| Mixed water at 40°C | 240 l |

EN 14511-4 | Heating

Shutting off the heat transfer medium flow passed

| | |
|-------------------------------|--------|
| Complete power supply failure | passed |
| Defrost test | passed |
| Starting and operating test | passed |

EN 14511-2 | Heating

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 9 kW | 7.24 kW |
| El input | 1.8 kW | 2.47 kW |
| COP | 5 | 2.93 |

EN 14511-2 | Cooling

| | +7°C/+12°C | +18°C/+23°C |
|------------------|------------|-------------|
| El input | 2.93 kW | |
| Cooling capacity | 7.88 | |
| EER | 2.69 | |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|--|-----------------|--------------------|
|--|-----------------|--------------------|

| | | |
|---------------------------|----------|----------|
| Sound power level indoor | 44 dB(A) | 44 dB(A) |
| Sound power level outdoor | 54 dB(A) | 54 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|-----------------------------------------------------|-----------------|--------------------|
| η_s | 186 % | 140 % |
| Prated | 12.5 kW | 12.5 kW |
| SCOP | 4.71 | 3.57 |
| Tbiv | -7 °C | -10 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 10.7 kW | 11.1 kW |
| COP Tj = -7°C | 2.97 | 2.43 |
| Cdh Tj = -7 °C | 1 | 1 |
| Pdh Tj = +2°C | 6.9 kW | 6.7 kW |
| COP Tj = +2°C | 4.94 | 3.52 |
| Cdh Tj = +2 °C | 1 | 1 |
| Pdh Tj = +7°C | 6.2 kW | 6.5 kW |
| COP Tj = +7°C | 5.95 | 4.54 |
| Cdh Tj = +7 °C | 1 | 1 |
| Pdh Tj = 12°C | 5.6 kW | 5.2 kW |
| COP Tj = 12°C | 7.07 | 5.97 |
| Cdh Tj = +12 °C | 1 | 1 |
| Pdh Tj = Tbiv | 10.7 kW | 12.5 kW |
| COP Tj = Tbiv | 2.97 | 2.12 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 12.1 kW | 12.5 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.88 | 2.12 |
| WTOL | 35 °C | 55 °C |
| Poff | 31 W | 31 W |
| PTO | 33 W | 33 W |
| PSB | 42 W | 42 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.4 kW | 0 kW |
| Annual energy consumption Qhe | 5479 kWh | 7236 kWh |

EN 12102-1 | Colder Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 44 dB(A) | 44 dB(A) |
| Sound power level outdoor | 44 dB(A) | 44 dB(A) |

EN 14825 | Colder Climate

| | Low temperature | Medium temperature |
|----------|-----------------|--------------------|
| η_s | 163 % | 125 % |

| | | |
|-----------------------------------------------------|-------------|-------------|
| Tbiv | -15 °C | -18 °C |
| TOL | -22 °C | -22 °C |
| Pdh Tj = -7°C | 8 kW | 7.5 kW |
| COP Tj = -7°C | 3.5 | 2.74 |
| Cdh Tj = -7 °C | 1 | |
| Pdh Tj = +2°C | 4.9 kW | 5.8 kW |
| COP Tj = +2°C | 5.07 | 3.67 |
| Cdh Tj = +2 °C | 1 | 1 |
| Pdh Tj = +7°C | 5.3 kW | 5.6 kW |
| COP Tj = +7°C | 6.1 | 4.69 |
| Cdh Tj = +7 °C | 1 | 1 |
| Pdh Tj = 12°C | 5.7 kW | 6.2 kW |
| COP Tj = 12°C | 7.03 | 6.12 |
| Cdh Tj = +12 °C | 1 | |
| Pdh Tj = Tbiv | 10.7 kW | 11 kW |
| COP Tj = Tbiv | 2.62 | 1.9 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 10.1 kW | 10.6 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.16 | 1.65 |
| WTOL | 35 °C | 55 °C |
| Poff | 31 W | 31 W |
| PTO | 33 W | 33 W |
| PSB | 42 W | 42 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Annual energy consumption Qhe | 7425 kWh | 9658 kWh |

EN 12102-1 | Warmer Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 44 dB(A) | 44 dB(A) |
| Sound power level outdoor | 44 dB(A) | 44 dB(A) |

EN 14825 | Warmer Climate

| | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| η_s | 220 % | 166 % |
| Tbiv | 5 °C | 5 °C |
| Pdh Tj = +2°C | 10 kW | 11.4 kW |
| COP Tj = +2°C | 3.51 | 2.62 |
| Cdh Tj = +2 °C | 1 | 1 |
| Pdh Tj = +7°C | 8.3 kW | 9 kW |
| COP Tj = +7°C | 5.67 | 3.78 |
| Cdh Tj = +7 °C | 1 | 1 |
| Pdh Tj = 12°C | 5.7 kW | 5.9 kW |
| COP Tj = 12°C | 7.04 | 5.63 |

| | | |
|--------------------------------------------|-------------|-------------|
| Cdh Tj = +12 °C | 1 | 1 |
| Pdh Tj = Tbiv | 9.8 kW | 11.1 kW |
| COP Tj = Tbiv | 4.96 | 3.43 |
| Poff | 31 W | 31 W |
| PTO | 33 W | 33 W |
| PSB | 42 W | 42 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Annual energy consumption Qhe | 2992 kWh | 4453 kWh |

EN 14825 | Cooling

| | +7°C/+12°C | +18°C/+23°C |
|-------------------------------|------------|-------------|
| Pdesignc | 7.88 kW | |
| SEER | 4.08 | |
| Pdc Tj = 35°C | 7.88 kW | |
| EER Tj = 35°C | 2.69 | |
| Pdc Tj = 30°C | 5.92 kW | |
| EER Tj = 30°C | 3.69 | |
| Cdc Tj = 30 °C | 1 | |
| Pdc Tj = 25°C | 5.09 kW | |
| EER Tj = 25°C | 4.63 | |
| Cdc Tj = 25 °C | 1 | |
| Pdc Tj = 20°C | 5.13 kW | |
| EER Tj = 20°C | 5.61 | |
| Cdc Tj = 20 °C | 1 | |
| Poff | 31 W | |
| PTO | 33 W | |
| PSB | 42 W | |
| PCK | 0 W | |
| Annual energy consumption Qce | 1188 kWh | |