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| Summary of | DAIKIN ALTHERMA 3 R ECH2O 08KW (300L) (/A) | Reg. No. | 011-1W0266 |
|--|--|----------|------------|
| Certificate Holder | | | |
| Name | DAIKIN Europe N.V. | | |
| Address | Zandvoordestraat 300 | Zip | B-8400 |
| City | Oostende | Country | Belgium |
| Certification Body DIN CERTCO Gesellschaft für Konformitätsbewertung mbH | | | |
| Subtype title | DAIKIN ALTHERMA 3 R ECH2O 08KW (300L) (/A) | | |
| Heat Pump Type | Outdoor Air/Water | | |
| Refrigerant | R32 | | |
| Mass of Refrigerant | ass of Refrigerant 1.5 kg | | |
| Certification Date | Date 17.08.2018 | | |
| Testing basis | esting basis European KEYMARK Scheme for Heat Pumps Rev. 9 (as of 2021-03) | | |



Model: ERGA08EV / EHSX08P30D3

| Configure model | | |
|-------------------------------------|--------------------------|--|
| Model name | ERGA08EV / EHSX08P30D3 | |
| Application | Heating + DHW + low temp | |
| Units | Indoor + Outdoor | |
| Climate Zone | n/a | |
| Reversibility | Yes | |
| Cooling mode application (optional) | +7°C/12°C | |

| General Data | | |
|--------------|-------------|--|
| Power supply | 1x230V 50Hz | |

Heating

| EN 14511-2 | | |
|------------------------------------|---------|---------|
| Low temperature Medium temperature | | |
| Heat output | 7.50 kW | 7.50 kW |
| El input | 1.63 kW | 2.78 kW |
| СОР | 4.60 | 2.70 |

| EN 14511-4 | |
|--|--------|
| Shutting off the heat transfer medium flow | passed |
| Complete power supply failure | passed |
| Defrost test | passed |
| Starting and operating test | passed |

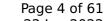
Cooling





| EN 14511-2 | |
|------------------|------------|
| | +7°C/+12°C |
| El input | 1.73 kW |
| Cooling capacity | 5.44 |
| EER | 3.14 |

EN 14825





| | +7°C/+12°C |
|-------------------------------|------------|
| Pdesignc | 5.40 kW |
| SEER | 5.71 |
| Pdc Tj = 35°C | 5.44 kW |
| EER Tj = 35°C | 3.14 |
| Pdc Tj = 30°C | 4.02 kW |
| EER Tj = 30°C | 4.84 |
| Cdc | 1.0 |
| Pdc Tj = 25°C | 2.47 kW |
| EER Tj = 25°C | 6.86 |
| Cdc | 1.0 |
| Pdc Tj = 20°C | 2.54 kW |
| EER Tj = 20°C | 8.47 |
| Cdc | 1.0 |
| Poff | 10 W |
| РТО | 10 W |
| PSB | 10 W |
| PCK | o w |
| Annual energy consumption Qce | 571 kWh |



| EN 12102-1 | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 39 dB(A) | 39 dB(A) |
| Sound power level outdoor | 62 dB(A) | 62 dB(A) |

| EN 14825 | | |
|----------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{s} | 181 % | 131 % |
| Prated | 8.00 kW | 8.00 kW |
| SCOP | 4.61 | 3.35 |
| Tbiv | -8 °C | -8 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 7.00 kW | 6.90 kW |
| COP Tj = -7°C | 2.77 | 1.96 |
| Cdh Tj = -7 °C | n/a | 1.000 |
| Pdh Tj = +2°C | 4.20 kW | 4.40 kW |
| COP Tj = +2°C | 4.35 | 3.20 |
| Cdh Tj = +2 °C | 1.000 | 1.000 |
| Pdh Tj = +7°C | 3.30 kW | 3.30 kW |
| COP Tj = +7°C | 6.49 | 4.64 |
| Cdh Tj = +7 °C | 1.000 | 1.000 |





| Pdh Tj = 12°C | 3.90 kW | 4.10 kW |
|---|-------------|-------------|
| COP Tj = 12°C | 8.52 | 6.22 |
| Cdh Tj = +12 °C | 1.000 | 1.000 |
| Pdh Tj = Tbiv | 7.50 kW | 7.50 kW |
| COP Tj = Tbiv | 2.66 | 1.90 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 6.90 kW | 7.10 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.41 | 1.64 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 1.000 | 1.000 |
| WTOL | 35 °C | 55 °C |
| Poff | 10 W | 10 W |
| РТО | 10 W | 10 W |
| PSB | 10 W | 10 W |
| PCK | o w | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 1.10 kW | 0.94 kW |
| Annual energy consumption Qhe | 3588 kWh | 4939 kWh |

Domestic Hot Water (DHW)



| EN 16147 | |
|---------------------------------|------------|
| | |
| Declared load profile | L |
| Efficiency ηDHW | 115 % |
| СОР | 2.76 |
| Heating up time | 1:23 h:min |
| Standby power input | 31.7 W |
| Reference hot water temperature | 44.5 °C |
| Mixed water at 40°C | 137.0 |

Model: ERGA08EV / EHSH08P30D3

| Configure model | | |
|-------------------------------------|--------------------------|--|
| Model name | ERGA08EV / EHSH08P30D3 | |
| Application | Heating + DHW + low temp | |
| Units | Indoor + Outdoor | |
| Climate Zone | n/a | |
| Reversibility | No | |
| Cooling mode application (optional) | n/a | |

| General Data | | |
|--------------------------|--|--|
| Power supply 1x230V 50Hz | | |

Heating

| EN 14511-2 | | | |
|------------------------------------|---------|--------------------|--|
| Low temperature Medium temperature | | Medium temperature | |
| Heat output | 7.50 kW | 7.50 kW | |
| El input | 1.63 kW | 2.78 kW | |
| СОР | 4.60 | 2.70 | |

| EN 14511-4 | |
|--|--------|
| Shutting off the heat transfer medium flow | passed |
| Complete power supply failure | passed |
| Defrost test | passed |
| Starting and operating test | passed |

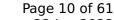
Cooling





| EN 14511-2 | |
|------------------|---------|
| +7°C/+12°C | |
| El input | 1.73 kW |
| Cooling capacity | 5.44 |
| EER | 3.14 |

EN 14825



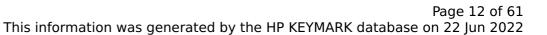


| | +7°C/+12°C |
|-------------------------------|------------|
| Pdesignc | 5.40 kW |
| SEER | 5.71 |
| Pdc Tj = 35°C | 5.44 kW |
| EER Tj = 35°C | 3.14 |
| Pdc Tj = 30°C | 4.02 kW |
| EER Tj = 30°C | 4.84 |
| Cdc | 1.0 |
| Pdc Tj = 25°C | 2.47 kW |
| EER Tj = 25°C | 6.86 |
| Cdc | 1.0 |
| Pdc Tj = 20°C | 2.54 kW |
| EER Tj = 20°C | 8.47 |
| Cdc | 1.0 |
| Poff | 10 W |
| РТО | 10 W |
| PSB | 10 W |
| PCK | o w |
| Annual energy consumption Qce | 571 kWh |



| EN 12102-1 | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 39 dB(A) | 39 dB(A) |
| Sound power level outdoor | 62 dB(A) | 62 dB(A) |

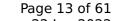
| EN 14825 | | |
|----------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{s} | 179 % | 130 % |
| Prated | 8.00 kW | 8.00 kW |
| SCOP | 4.56 | 3.32 |
| Tbiv | -8 °C | -8 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 7.00 kW | 6.90 kW |
| COP Tj = -7°C | 2.77 | 1.96 |
| Cdh Tj = -7 °C | n/a | 1.000 |
| Pdh Tj = +2°C | 4.20 kW | 4.40 kW |
| COP Tj = +2°C | 4.35 | 3.20 |
| Cdh Tj = +2 °C | 1.000 | 1.000 |
| Pdh Tj = +7°C | 3.30 kW | 3.30 kW |
| COP Tj = +7°C | 6.49 | 4.64 |
| Cdh Tj = +7 °C | 1.000 | 1.000 |





| Pdh Tj = 12°C | 3.90 kW | 4.10 kW |
|---|-------------|-------------|
| COP Tj = 12°C | 8.52 | 6.22 |
| Cdh Tj = +12 °C | 1.000 | 1.000 |
| Pdh Tj = Tbiv | 7.50 kW | 7.50 kW |
| COP Tj = Tbiv | 2.66 | 1.90 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 6.90 kW | 7.10 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.41 | 1.64 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 1.000 | 1.000 |
| WTOL | 35 °C | 55 °C |
| Poff | 10 W | 10 W |
| РТО | 10 W | 10 W |
| PSB | 10 W | 10 W |
| PCK | o w | o w |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 1.10 kW | 0.94 kW |
| Annual energy consumption Qhe | 3625 kWh | 4975 kWh |

Domestic Hot Water (DHW)





| EN 16147 | |
|---------------------------------|------------|
| Declared load profile | L |
| Efficiency ηDHW | 115 % |
| СОР | 2.76 |
| Heating up time | 1:23 h:min |
| Standby power input | 31.7 W |
| Reference hot water temperature | 44.5 °C |
| Mixed water at 40°C | 137.0 |

Model: ERGA08EVA / EHSX08P30D3

| Configure model | | |
|-------------------------------------|--------------------------|--|
| Model name | ERGA08EVA / EHSX08P30D3 | |
| Application | Heating + DHW + low temp | |
| Units | Indoor + Outdoor | |
| Climate Zone | n/a | |
| Reversibility | Yes | |
| Cooling mode application (optional) | +7°C/12°C | |

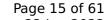
| General Data | | |
|--------------------------|--|--|
| Power supply 1x230V 50Hz | | |

Heating

| EN 14511-2 | | | |
|------------------------------------|---------|---------|--|
| Low temperature Medium temperature | | | |
| Heat output | 7.50 kW | 7.50 kW | |
| El input | 1.63 kW | 2.78 kW | |
| СОР | 4.60 | 2.70 | |

| EN 14511-4 | |
|--|--------|
| Shutting off the heat transfer medium flow | passed |
| Complete power supply failure | passed |
| Defrost test | passed |
| Starting and operating test | passed |

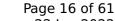
Cooling





| EN 14511-2 | | |
|------------------|------------|--|
| | +7°C/+12°C | |
| El input | 1.73 kW | |
| Cooling capacity | 5.44 | |
| EER | 3.14 | |

EN 14825



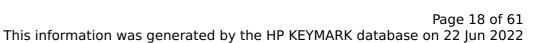


| | +7°C/+12°C |
|-------------------------------|------------|
| Pdesignc | 5.40 kW |
| SEER | 5.71 |
| Pdc Tj = 35°C | 5.44 kW |
| EER Tj = 35°C | 3.14 |
| Pdc Tj = 30°C | 4.02 kW |
| EER Tj = 30°C | 4.84 |
| Cdc | 1.0 |
| Pdc Tj = 25°C | 2.47 kW |
| EER Tj = 25°C | 6.86 |
| Cdc | 1.0 |
| Pdc Tj = 20°C | 2.54 kW |
| EER Tj = 20°C | 8.47 |
| Cdc | 1.0 |
| Poff | 10 W |
| РТО | 10 W |
| PSB | 10 W |
| PCK | o w |
| Annual energy consumption Qce | 571 kWh |



| EN 12102-1 | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 39 dB(A) | 39 dB(A) |
| Sound power level outdoor | 62 dB(A) | 62 dB(A) |

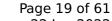
| EN 14825 | | |
|----------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{s} | 181 % | 129 % |
| Prated | 8 kW | 8 kW |
| SCOP | 4.61 | 3.30 |
| Tbiv | -8 °C | -6 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 7.0 kW | 5.9 kW |
| COP Tj = -7°C | 2.77 | 1.98 |
| Cdh Tj = -7 °C | n/a | 1.0 |
| Pdh Tj = +2°C | 4.2 kW | 4.1 kW |
| COP Tj = +2°C | 4.35 | 3.18 |
| Cdh Tj = +2 °C | 1.0 | 1.0 |
| Pdh Tj = +7°C | 3.3 kW | 3.0 kW |
| COP Tj = +7°C | 6.49 | 4.54 |
| Cdh Tj = +7 °C | 1.0 | 1.0 |



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|------------|---------------|
| | CEN heat pump |
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| Pdh Tj = 12°C | 3.9 kW | 3.7 kW |
|---|-------------|-------------|
| COP Tj = 12°C | 8.52 | 6.16 |
| Cdh Tj = +12 °C | 1.0 | 1.0 |
| Pdh Tj = Tbiv | 7.5 kW | 6.4 kW |
| COP Tj = Tbiv | 2.66 | 2.18 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 6.9 kW | 4.5 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.41 | 1.43 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 1.00 | 1.00 |
| WTOL | 35 °C | 55 °C |
| Poff | 10 W | 10 W |
| PTO | 10 W | 10 W |
| PSB | 10 W | 10 W |
| PCK | o w | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 1.1 kW | 3.5 kW |
| Annual energy consumption Qhe | 3588 kWh | 4694 kWh |
| | | |

Domestic Hot Water (DHW)





| EN 16147 | | |
|---------------------------------|------------|--|
| Declared load profile | L | |
| Efficiency ηDHW | 115 % | |
| СОР | 2.76 | |
| Heating up time | 1:23 h:min | |
| Standby power input | 31.7 W | |
| Reference hot water temperature | 44.5 °C | |
| Mixed water at 40°C | 137.0 | |

Model: ERGA08EVA / EHSH08P30D3

| Configure model | | | |
|-------------------------------------|--------------------------|--|--|
| Model name | ERGA08EVA / EHSH08P30D3 | | |
| Application | Heating + DHW + low temp | | |
| Units | Indoor + Outdoor | | |
| Climate Zone | n/a | | |
| Reversibility | No | | |
| Cooling mode application (optional) | n/a | | |

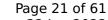
| General Data | | |
|--------------|-------------|--|
| Power supply | 1x230V 50Hz | |

Heating

| EN 14511-2 | | |
|-------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Heat output | 7.50 kW | 7.50 kW |
| El input | 1.63 kW | 2.78 kW |
| СОР | 4.60 | 2.70 |

| EN 14511-4 | |
|--|--------|
| Shutting off the heat transfer medium flow | naccod |
| Shutting off the heat transfer medium flow | passed |
| Complete power supply failure | passed |
| Defrost test | passed |
| Starting and operating test | passed |

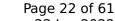
Cooling





| EN 14511-2 | | | |
|------------------|---------|--|--|
| +7°C/+12°C | | | |
| El input | 1.73 kW | | |
| Cooling capacity | 5.44 | | |
| EER | 3.14 | | |

EN 14825



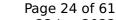


| | +7°C/+12°C |
|-------------------------------|------------|
| Pdesignc | 5.40 kW |
| SEER | 5.71 |
| Pdc Tj = 35°C | 5.44 kW |
| EER Tj = 35°C | 3.14 |
| Pdc Tj = 30°C | 4.02 kW |
| EER Tj = 30°C | 4.84 |
| Cdc | 1.0 |
| Pdc Tj = 25°C | 2.47 kW |
| EER Tj = 25°C | 6.86 |
| Cdc | 1.0 |
| Pdc Tj = 20°C | 2.54 kW |
| EER Tj = 20°C | 8.47 |
| Cdc | 1.0 |
| Poff | 10 W |
| РТО | 10 W |
| PSB | 10 W |
| PCK | o w |
| Annual energy consumption Qce | 571 kWh |



| EN 12102-1 | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 39 dB(A) | 39 dB(A) |
| Sound power level outdoor | 62 dB(A) | 62 dB(A) |

| EN 14825 | | |
|----------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{s} | 179 % | 128 % |
| Prated | 8 kW | 8 kW |
| SCOP | 4.56 | 3.27 |
| Tbiv | -8 °C | -6 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 7.0 kW | 5.9 kW |
| COP Tj = -7°C | 2.77 | 1.98 |
| Cdh Tj = -7 °C | n/a | 1.0 |
| Pdh Tj = +2°C | 4.2 kW | 4.1 kW |
| COP Tj = +2°C | 4.35 | 3.18 |
| Cdh Tj = +2 °C | 1.0 | 1.0 |
| Pdh Tj = +7°C | 3.3 kW | 3.0 kW |
| COP Tj = +7°C | 6.49 | 4.54 |
| Cdh Tj = +7 °C | 1.0 | 1.0 |





| Pdh Tj = 12°C | 3.9 kW | 3.7 kW |
|---|-------------|-------------|
| COP Tj = 12°C | 8.52 | 6.16 |
| Cdh Tj = +12 °C | 1.0 | 1.0 |
| Pdh Tj = Tbiv | 7.5 kW | 6.4 kW |
| COP Tj = Tbiv | 2.66 | 2.18 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 6.9 kW | 4.5 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.41 | 1.43 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 1.00 | 1.00 |
| WTOL | 35 °C | 55 °C |
| Poff | 10 W | 10 W |
| РТО | 10 W | 10 W |
| PSB | 10 W | 10 W |
| PCK | o w | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 1.1 kW | 3.5 kW |
| Annual energy consumption Qhe | 3625 kWh | 4731 kWh |

Domestic Hot Water (DHW)



| EN 16147 | | |
|---------------------------------|------------|--|
| Declared load profile | L | |
| Efficiency ηDHW | 115 % | |
| СОР | 2.76 | |
| Heating up time | 1:23 h:min | |
| Standby power input | 31.7 W | |
| Reference hot water temperature | 44.5 °C | |
| Mixed water at 40°C | 137.0 | |

Model: ERGA08EVH / EHSX08P30D3

| Configure model | | | |
|-------------------------------------|--------------------------|--|--|
| Model name | ERGA08EVH / EHSX08P30D3 | | |
| Application | Heating + DHW + low temp | | |
| Units | Indoor + Outdoor | | |
| Climate Zone | n/a | | |
| Reversibility | Yes | | |
| Cooling mode application (optional) | +7°C/12°C | | |

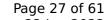
| General Data | | |
|--------------|-------------|--|
| Power supply | 1x230V 50Hz | |

Heating

| EN 14511-2 | | |
|-------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Heat output | 7.50 kW | 7.50 kW |
| El input | 1.63 kW | 2.78 kW |
| СОР | 4.60 | 2.70 |

| EN 14511-4 | |
|--|--------|
| Shutting off the heat transfer medium flow | passed |
| Complete power supply failure | passed |
| Defrost test | passed |
| Starting and operating test | passed |

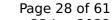
Cooling





| EN 14511-2 | | | |
|------------------|---------|--|--|
| +7°C/+12°C | | | |
| El input | 1.73 kW | | |
| Cooling capacity | 5.44 | | |
| EER | 3.14 | | |

EN 14825





| | +7°C/+12°C |
|-------------------------------|------------|
| Pdesignc | 5.40 kW |
| SEER | 5.71 |
| Pdc Tj = 35°C | 5.44 kW |
| EER Tj = 35°C | 3.14 |
| Pdc Tj = 30°C | 4.02 kW |
| EER Tj = 30°C | 4.84 |
| Cdc | 1.0 |
| Pdc Tj = 25°C | 2.47 kW |
| EER Tj = 25°C | 6.86 |
| Cdc | 1.0 |
| Pdc Tj = 20°C | 2.54 kW |
| EER Tj = 20°C | 8.47 |
| Cdc | 1.0 |
| Poff | 10 W |
| PTO | 10 W |
| PSB | 10 W |
| PCK | o w |
| Annual energy consumption Qce | 571 kWh |



| EN 12102-1 | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 39 dB(A) | 39 dB(A) |
| Sound power level outdoor | 62 dB(A) | 62 dB(A) |

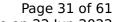
| EN 14825 | | |
|----------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{s} | 181 % | 131 % |
| Prated | 8 kW | 8 kW |
| SCOP | 4.61 | 3.35 |
| Tbiv | -8 °C | -8 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 7.0 kW | 6.9 kW |
| COP Tj = -7°C | 2.77 | 1.96 |
| Cdh Tj = -7 °C | n/a | 1.0 |
| Pdh Tj = +2°C | 4.2 kW | 4.4 kW |
| COP Tj = +2°C | 4.35 | 3.20 |
| Cdh Tj = +2 °C | 1.0 | 1.0 |
| Pdh Tj = +7°C | 3.3 kW | 3.3 kW |
| COP Tj = +7°C | 6.49 | 4.64 |
| Cdh Tj = +7 °C | 1.0 | 1.0 |





| Pdh Tj = 12°C | 3.9 kW | 4.1 kW |
|---|-------------|-------------|
| COP Tj = 12°C | 8.52 | 6.22 |
| Cdh Tj = +12 °C | 1.0 | 1.0 |
| Pdh Tj = Tbiv | 7.5 kW | 7.5 kW |
| COP Tj = Tbiv | 2.66 | 1.90 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 6.9 kW | 7.1 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.41 | 1.64 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 1.00 | 1.00 |
| WTOL | 35 °C | 55 °C |
| Poff | 10 W | 10 W |
| РТО | 10 W | 10 W |
| PSB | 10 W | 10 W |
| PCK | o w | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 1.1 kW | 0.94 kW |
| Annual energy consumption Qhe | 3588 kWh | 4939 kWh |

Domestic Hot Water (DHW)





| EN 16147 | |
|---------------------------------|------------|
| Declared load profile | L |
| Efficiency ηDHW | 115 % |
| СОР | 2.76 |
| Heating up time | 1:23 h:min |
| Standby power input | 31.7 W |
| Reference hot water temperature | 44.5 °C |
| Mixed water at 40°C | 137.0 |



Model: ERGA08EVH / EHSH08P30D3

| Configure model | | |
|-------------------------------------|--------------------------|--|
| Model name | ERGA08EVH / EHSH08P30D3 | |
| Application | Heating + DHW + low temp | |
| Units | Indoor + Outdoor | |
| Climate Zone | n/a | |
| Reversibility | No | |
| Cooling mode application (optional) | n/a | |

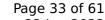
| General Data | | |
|--------------|-------------|--|
| Power supply | 1x230V 50Hz | |

Heating

| EN 14511-2 | | |
|-------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Heat output | 7.50 kW | 7.50 kW |
| El input | 1.63 kW | 2.78 kW |
| СОР | 4.60 | 2.70 |

| EN 14511-4 | |
|--|--------|
| Shutting off the heat transfer medium flow | passed |
| Complete power supply failure | passed |
| Defrost test | passed |
| Starting and operating test | passed |

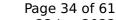
Cooling





| EN 14511-2 | | |
|------------------|---------|--|
| +7°C/+12°C | | |
| El input | 1.73 kW | |
| Cooling capacity | 5.44 | |
| EER | 3.14 | |

EN 14825



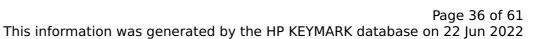


| | +7°C/+12°C |
|-------------------------------|------------|
| Pdesignc | 5.40 kW |
| SEER | 5.71 |
| Pdc Tj = 35°C | 5.44 kW |
| EER Tj = 35°C | 3.14 |
| Pdc Tj = 30°C | 4.02 kW |
| EER Tj = 30°C | 4.84 |
| Cdc | 1.0 |
| Pdc Tj = 25°C | 2.47 kW |
| EER Tj = 25°C | 6.86 |
| Cdc | 1.0 |
| Pdc Tj = 20°C | 2.54 kW |
| EER Tj = 20°C | 8.47 |
| Cdc | 1.0 |
| Poff | 10 W |
| PTO | 10 W |
| PSB | 10 W |
| PCK | o w |
| Annual energy consumption Qce | 571 kWh |



| EN 12102-1 | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 39 dB(A) | 39 dB(A) |
| Sound power level outdoor | 62 dB(A) | 62 dB(A) |

| EN 14825 | | |
|-------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{s} | 179 % | 130 % |
| Prated | 8 kW | 8 kW |
| SCOP | 4.56 | 3.32 |
| Tbiv | -8 °C | -8 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 7.0 kW | 6.9 kW |
| COP Tj = -7°C | 2.77 | 1.96 |
| Cdh Tj = -7 °C | n/a | 1.0 |
| Pdh Tj = $+2^{\circ}$ C | 4.2 kW | 4.4 kW |
| COP Tj = +2°C | 4.35 | 3.20 |
| Cdh Tj = +2 °C | 1.0 | 1.0 |
| Pdh Tj = +7°C | 3.3 kW | 3.3 kW |
| COP Tj = +7°C | 6.49 | 4.64 |
| Cdh Tj = +7 °C | 1.0 | 1.0 |





| Pdh Tj = 12°C | 3.9 kW | 4.1 kW |
|---|-------------|-------------|
| COP Tj = 12°C | 8.52 | 6.22 |
| Cdh Tj = +12 °C | 1.0 | 1.0 |
| Pdh Tj = Tbiv | 7.5 kW | 7.5 kW |
| COP Tj = Tbiv | 2.66 | 1.90 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 6.9 kW | 7.1 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.41 | 1.64 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 1.00 | 1.00 |
| WTOL | 35 °C | 55 °C |
| Poff | 10 W | 10 W |
| РТО | 10 W | 10 W |
| PSB | 10 W | 10 W |
| PCK | o w | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 1.1 kW | 0.94 kW |
| Annual energy consumption Qhe | 3625 kWh | 4975 kWh |

Domestic Hot Water (DHW)



| EN 16147 | |
|---------------------------------|------------|
| Declared load profile | L |
| Efficiency ηDHW | 115 % |
| СОР | 2.76 |
| Heating up time | 1:23 h:min |
| Standby power input | 31.7 W |
| Reference hot water temperature | 44.5 °C |
| Mixed water at 40°C | 137.0 |



Model: ERGA08EVA / EHSH08P30E

| Configure model | | |
|-------------------------------------|--------------------------|--|
| Model name ERGA08EVA / EHSH08P30E | | |
| Application | Heating + DHW + low temp | |
| Units | Indoor + Outdoor | |
| Climate Zone | n/a | |
| Reversibility | No | |
| Cooling mode application (optional) | n/a | |

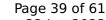
| General Data | | |
|--------------------------|--|--|
| Power supply 1x230V 50Hz | | |

Heating

| EN 14511-2 | | |
|------------------------------------|---------|--------------------|
| Low temperature Medium temperature | | Medium temperature |
| Heat output | 7.50 kW | 7.50 kW |
| El input | 1.63 kW | 2.78 kW |
| СОР | 4.60 | 2.70 |

| EN 14511-4 | |
|--|--------|
| Shutting off the heat transfer medium flow | passed |
| Complete power supply failure | passed |
| Defrost test | passed |
| Starting and operating test | passed |

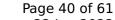
Cooling





| EN 14511-2 | | |
|------------------|---------|--|
| +7°C/+12°C | | |
| El input | 1.73 kW | |
| Cooling capacity | 5.44 | |
| EER | 3.14 | |

EN 14825





| | +7°C/+12°C |
|-------------------------------|------------|
| Pdesignc | 5.40 kW |
| SEER | 5.71 |
| Pdc Tj = 35°C | 5.44 kW |
| EER Tj = 35°C | 3.14 |
| Pdc Tj = 30°C | 4.02 kW |
| EER Tj = 30°C | 4.84 |
| Cdc | 1.0 |
| Pdc Tj = 25°C | 2.47 kW |
| EER Tj = 25°C | 6.86 |
| Cdc | 1.0 |
| Pdc Tj = 20°C | 2.54 kW |
| EER Tj = 20°C | 8.47 |
| Cdc | 1.0 |
| Poff | 10 W |
| PTO | 10 W |
| PSB | 10 W |
| PCK | o w |
| Annual energy consumption Qce | 571 kWh |



| EN 12102-1 | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 39 dB(A) | 39 dB(A) |
| Sound power level outdoor | 62 dB(A) | 62 dB(A) |

| EN 14825 | | |
|------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{s} | 179 % | 128 % |
| Prated | 8.0 kW | 7.5 kW |
| SCOP | 4.56 | 3.27 |
| Tbiv | -8 °C | -6 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 7.0 kW | 5.9 kW |
| COP Tj = -7°C | 2.77 | 1.98 |
| Cdh Tj = -7 °C | n/a | 1.0 |
| Pdh Tj = +2°C | 4.2 kW | 4.1 kW |
| COP Tj = +2°C | 4.35 | 3.18 |
| Cdh Tj = +2 °C | 1.0 | 1.0 |
| Pdh Tj = +7°C | 3.3 kW | 3.0 kW |
| $COP Tj = +7^{\circ}C$ | 6.49 | 4.54 |
| Cdh Tj = +7 °C | 1.0 | 1.0 |

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| This information was generated | his information was generated by the HP KEYMARK database on 22 Jun 2022 | | 2022 |
|--------------------------------|---|--|------|
| | | | |

| Pdh Tj = 12°C | 3.9 kW | 3.7 kW |
|---|-------------|-------------|
| COP Tj = 12°C | 8.52 | 6.16 |
| Cdh Tj = +12 °C | 1.0 | 1.0 |
| Pdh Tj = Tbiv | 7.5 kW | 6.4 kW |
| COP Tj = Tbiv | 2.66 | 2.18 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 6.9 kW | 4.5 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.41 | 1.43 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 1.00 | 1.00 |
| WTOL | 35 °C | 55 °C |
| Poff | 10 W | 10 W |
| PTO | 10 W | 10 W |
| PSB | 10 W | 10 W |
| PCK | o w | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 1.1 kW | 3.1 kW |
| Annual energy consumption Qhe | 3625 kWh | 4731 kWh |
| | | |

Domestic Hot Water (DHW)



| EN 16147 | |
|---------------------------------|------------|
| Declared load profile | L |
| Efficiency ηDHW | 118 % |
| СОР | 2.80 |
| Heating up time | 1:34 h:min |
| Standby power input | 40.4 W |
| Reference hot water temperature | 44.6 °C |
| Mixed water at 40°C | 140.4 |



Model: ERGA08EVA / EHSX08P30E

| Configure model | | |
|-------------------------------------|--------------------------|--|
| Model name | ERGA08EVA / EHSX08P30E | |
| Application | Heating + DHW + low temp | |
| Units | Indoor + Outdoor | |
| Climate Zone | n/a | |
| Reversibility | Yes | |
| Cooling mode application (optional) | +7°C/12°C | |

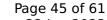
| General Data | | |
|--------------|-------------|--|
| Power supply | 1x230V 50Hz | |

Heating

| EN 14511-2 | | |
|-------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Heat output | 7.50 kW | 7.50 kW |
| El input | 1.63 kW | 2.78 kW |
| СОР | 4.60 | 2.70 |

| EN 14511-4 | | |
|--|--------|--|
| Shutting off the heat transfer medium flow | passed | |
| Complete power supply failure | passed | |
| Defrost test | passed | |
| Starting and operating test | passed | |

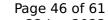
Cooling





| EN 14511-2 | | | |
|------------------|---------|--|--|
| +7°C/+12°C | | | |
| El input | 1.73 kW | | |
| Cooling capacity | 5.44 | | |
| EER | 3.14 | | |

EN 14825





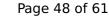
| | +7°C/+12°C |
|-------------------------------|------------|
| Pdesignc | 5.40 kW |
| SEER | 5.71 |
| Pdc Tj = 35°C | 5.44 kW |
| EER Tj = 35°C | 3.14 |
| Pdc Tj = 30°C | 4.02 kW |
| EER Tj = 30°C | 4.84 |
| Cdc | 1.0 |
| Pdc Tj = 25°C | 2.47 kW |
| EER Tj = 25°C | 6.86 |
| Cdc | 1.0 |
| Pdc Tj = 20°C | 2.54 kW |
| EER Tj = 20°C | 8.47 |
| Cdc | 1.0 |
| Poff | 10 W |
| РТО | 10 W |
| PSB | 10 W |
| PCK | o w |
| Annual energy consumption Qce | 571 kWh |



| EN 12102-1 | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 39 dB(A) | 39 dB(A) |
| Sound power level outdoor | 62 dB(A) | 62 dB(A) |

| EN 14825 | | |
|----------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{s} | 181 % | 129 % |
| Prated | 8.0 kW | 7.5 kW |
| SCOP | 4.61 | 3.30 |
| Tbiv | -8 °C | -6 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 7.0 kW | 5.9 kW |
| COP Tj = -7°C | 2.77 | 1.98 |
| Cdh Tj = -7 °C | n/a | 1.0 |
| Pdh Tj = +2°C | 4.2 kW | 4.1 kW |
| COP Tj = +2°C | 4.35 | 3.18 |
| Cdh Tj = +2 °C | 1.0 | 1.0 |
| Pdh Tj = +7°C | 3.3 kW | 3.0 kW |
| COP Tj = +7°C | 6.49 | 4.54 |
| Cdh Tj = +7 °C | 1.0 | 1.0 |

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| Pdh Tj = 12°C | 3.9 kW | 3.7 kW |
|---|-------------|-------------|
| COP Tj = 12°C | 8.52 | 6.16 |
| Cdh Tj = +12 °C | 1.0 | 1.0 |
| Pdh Tj = Tbiv | 7.5 kW | 6.4 kW |
| COP Tj = Tbiv | 2.66 | 2.18 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 6.9 kW | 4.5 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.41 | 1.43 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 1.00 | 1.00 |
| WTOL | 35 °C | 55 °C |
| Poff | 10 W | 10 W |
| РТО | 10 W | 10 W |
| PSB | 10 W | 10 W |
| PCK | 0 W | o w |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 1.1 kW | 3.1 kW |
| Annual energy consumption Qhe | 3588 kWh | 4694 kWh |

Domestic Hot Water (DHW)



| EN 16147 | | |
|---------------------------------|------------|--|
| Declared load profile | L | |
| Efficiency ηDHW | 118 % | |
| СОР | 2.80 | |
| Heating up time | 1:34 h:min | |
| Standby power input | 40.4 W | |
| Reference hot water temperature | 44.6 °C | |
| Mixed water at 40°C | 140.4 | |

Model: ERGA08EVH / EHSH08P30E

| Configure model | | |
|-------------------------------------|--------------------------|--|
| Model name | ERGA08EVH / EHSH08P30E | |
| Application | Heating + DHW + low temp | |
| Units | Indoor + Outdoor | |
| Climate Zone | n/a | |
| Reversibility | No | |
| Cooling mode application (optional) | n/a | |

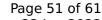
| General Data | | |
|--------------|-------------|--|
| Power supply | 1x230V 50Hz | |

Heating

| EN 14511-2 | | |
|-------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Heat output | 7.50 kW | 7.50 kW |
| El input | 1.63 kW | 2.78 kW |
| СОР | 4.60 | 2.70 |

| EN 14511-4 | |
|--|--------|
| Shutting off the heat transfer medium flow | passed |
| Complete power supply failure | passed |
| Defrost test | passed |
| Starting and operating test | passed |

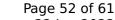
Cooling





| EN 14511-2 | |
|------------------|------------|
| | +7°C/+12°C |
| El input | 1.73 kW |
| Cooling capacity | 5.44 |
| EER | 3.14 |

EN 14825





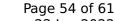
| | +7°C/+12°C |
|-------------------------------|------------|
| Pdesignc | 5.40 kW |
| SEER | 5.71 |
| Pdc Tj = 35°C | 5.44 kW |
| EER Tj = 35°C | 3.14 |
| Pdc Tj = 30°C | 4.02 kW |
| EER Tj = 30°C | 4.84 |
| Cdc | 1.0 |
| Pdc Tj = 25°C | 2.47 kW |
| EER Tj = 25°C | 6.86 |
| Cdc | 1.0 |
| Pdc Tj = 20°C | 2.54 kW |
| EER Tj = 20°C | 8.47 |
| Cdc | 1.0 |
| Poff | 10 W |
| PTO | 10 W |
| PSB | 10 W |
| PCK | o w |
| Annual energy consumption Qce | 571 kWh |



| EN 12102-1 | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 39 dB(A) | 39 dB(A) |
| Sound power level outdoor | 62 dB(A) | 62 dB(A) |

| EN 14825 | | |
|----------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{s} | 179 % | 130 % |
| Prated | 8.00 kW | 8.00 kW |
| SCOP | 4.56 | 3.32 |
| Tbiv | -8 °C | -8 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 7.00 kW | 6.90 kW |
| COP Tj = -7°C | 2.77 | 1.96 |
| Cdh Tj = -7 °C | n/a | 1.000 |
| Pdh Tj = +2°C | 4.20 kW | 4.40 kW |
| COP Tj = +2°C | 4.35 | 3.20 |
| Cdh Tj = +2 °C | 1.000 | 1.000 |
| Pdh Tj = +7°C | 3.30 kW | 3.30 kW |
| COP Tj = +7°C | 6.49 | 4.64 |
| Cdh Tj = +7 °C | 1.000 | 1.000 |

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| | - | |
|---|-------------|-------------|
| Pdh Tj = 12°C | 3.90 kW | 4.10 kW |
| COP Tj = 12°C | 8.52 | 6.22 |
| Cdh Tj = +12 °C | 1.000 | 1.000 |
| Pdh Tj = Tbiv | 7.50 kW | 7.50 kW |
| COP Tj = Tbiv | 2.66 | 1.90 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 6.90 kW | 7.10 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.41 | 1.64 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 1.000 | 1.000 |
| WTOL | 35 °C | 55 °C |
| Poff | 10 W | 10 W |
| РТО | 10 W | 10 W |
| PSB | 10 W | 10 W |
| PCK | o w | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 1.10 kW | 0.94 kW |
| Annual energy consumption Qhe | 3625 kWh | 4975 kWh |
| | | |

Domestic Hot Water (DHW)



| EN 16147 | | |
|---------------------------------|------------|--|
| Declared load profile | L | |
| Efficiency ηDHW | 118 % | |
| СОР | 2.80 | |
| Heating up time | 1:34 h:min | |
| Standby power input | 40.4 W | |
| Reference hot water temperature | 44.6 °C | |
| Mixed water at 40°C | 140.4 | |

Model: ERGA08EVH / EHSX08P30E

| Configure model | | |
|-------------------------------------|--------------------------|--|
| Model name | ERGA08EVH / EHSX08P30E | |
| Application | Heating + DHW + low temp | |
| Units | Indoor + Outdoor | |
| Climate Zone | n/a | |
| Reversibility | Yes | |
| Cooling mode application (optional) | +7°C/12°C | |

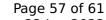
| General Data | | |
|--------------|-------------|--|
| Power supply | 1x230V 50Hz | |

Heating

| EN 14511-2 | | |
|-------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Heat output | 7.50 kW | 7.50 kW |
| El input | 1.63 kW | 2.78 kW |
| СОР | 4.60 | 2.70 |

| EN 14511-4 | |
|--|--------|
| Shutting off the heat transfer medium flow | passed |
| Complete power supply failure | passed |
| Defrost test | passed |
| Starting and operating test | passed |

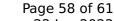
Cooling





| EN 14511-2 | | |
|------------------|------------|--|
| | +7°C/+12°C | |
| El input | 1.73 kW | |
| Cooling capacity | 5.44 | |
| EER | 3.14 | |

EN 14825





| | +7°C/+12°C |
|-------------------------------|------------|
| Pdesignc | 5.40 kW |
| SEER | 5.71 |
| Pdc Tj = 35°C | 5.44 kW |
| EER Tj = 35°C | 3.14 |
| Pdc Tj = 30°C | 4.02 kW |
| EER Tj = 30°C | 4.84 |
| Cdc | 1.0 |
| Pdc Tj = 25°C | 2.47 kW |
| EER Tj = 25°C | 6.86 |
| Cdc | 1.0 |
| Pdc Tj = 20°C | 2.54 kW |
| EER Tj = 20°C | 8.47 |
| Cdc | 1.0 |
| Poff | 10 W |
| PTO | 10 W |
| PSB | 10 W |
| РСК | o w |
| Annual energy consumption Qce | 571 kWh |



| EN 12102-1 | | | |
|---------------------------|-----------------|--------------------|--|
| | Low temperature | Medium temperature | |
| Sound power level indoor | 39 dB(A) | 39 dB(A) | |
| Sound power level outdoor | 62 dB(A) | 62 dB(A) | |

| EN 14825 | | | | |
|----------------|-----------------|--------------------|--|--|
| | Low temperature | Medium temperature | | |
| η_{s} | 181 % | 131 % | | |
| Prated | 8.00 kW | 8.00 kW | | |
| SCOP | 4.61 | 3.35 | | |
| Tbiv | -8 °C | -8 °C | | |
| TOL | -10 °C | -10 °C | | |
| Pdh Tj = -7°C | 7.00 kW | 6.90 kW | | |
| COP Tj = -7°C | 2.77 | 1.96 | | |
| Cdh Tj = -7 °C | n/a | 1.000 | | |
| Pdh Tj = +2°C | 4.20 kW | 4.40 kW | | |
| COP Tj = +2°C | 4.35 | 3.20 | | |
| Cdh Tj = +2 °C | 1.000 | 1.000 | | |
| Pdh Tj = +7°C | 3.30 kW | 3.30 kW | | |
| COP Tj = +7°C | 6.49 | 4.64 | | |
| Cdh Tj = +7 °C | 1.000 | 1.000 | | |

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This information was generated by the HP KEYMARK database on 22 Jun 2022 Pdh Tj = 12° C 3.90 kW 4.10 kW 8.52 6.22 $COP Tj = 12^{\circ}C$ Cdh Tj = +12 °C 1.000 1.000 Pdh Tj = Tbiv7.50 kW 7.50 kW 2.66 1.90 COP Tj = TbivPdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh 6.90 kW 7.10 kW COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh 2.41 1.64 Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh 1.000 1.000 WTOL 35 °C 55 °C Poff 10 W 10 W PTO 10 W 10 W **PSB** 10 W 10 W

0 W

Electricity

1.10 kW

3588 kWh

0 W

Electricity

0.94 kW

4939 kWh

Domestic Hot Water (DHW)

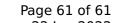
Supplementary Heater: Type of energy input

Average Climate

Supplementary Heater: PSUP

Annual energy consumption Qhe

PCK





| EN 16147 | | |
|---------------------------------|------------|--|
| Declared load profile | L | |
| Efficiency ηDHW | 118 % | |
| СОР | 2.80 | |
| Heating up time | 1:34 h:min | |
| Standby power input | 40.4 W | |
| Reference hot water temperature | 44.6 °C | |
| Mixed water at 40°C | 140.4 | |