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This information was generated by the HP KEYMARK database on 18 Mar 2022

Login

| Summary of | ELFOEnergy Sheen EVO 30.2, 35.2, 40.2 | Reg. No. | ICIM-PDC-000132-00 |
|--|---------------------------------------|----------|--------------------|
| Certificate Holder | | | |
| Name | Clivet s.p.a. | | |
| Address | Via camp lonc 25 c.ap. | Zip | I-32032 |
| City | z.i. Villapaiera - Feltre (BL) | Country | Italy |
| Certification Body | ICIM S.p.A. | | |
| Subtype title | ELFOEnergy Sheen EVO 30.2, 35.2, 40.2 | | |
| Heat Pump Type | Outdoor Air/Water | | |
| Refrigerant | erant R32 | | |
| Mass of Refrigerant | Mass of Refrigerant 17.5 kg | | |
| Certification Date | ion Date 21.02.2022 | | |
| Testing basis HP KEYMARK certification scheme rules rev. no. 9 | | | |



Model: WSAN-YSi 30.2

| Configure model | | |
|-------------------------------------|--------------------|--|
| Model name | WSAN-YSi 30.2 | |
| Application | Heating (low temp) | |
| Units | Outdoor | |
| Climate Zone | n/a | |
| Reversibility | Yes | |
| Cooling mode application (optional) | +7°C/12°C | |

| General Data | | |
|--------------|-------------|--|
| Power supply | 3x400V 50Hz | |

Heating

| EN 14511-2 | |
|-----------------|----------|
| Low temperature | |
| Heat output | 77.50 kW |
| El input | 18.67 kW |
| СОР | 4.15 |

Average Climate

| EN 12102-1 | |
|---------------------------|-----------------|
| | Low temperature |
| Sound power level outdoor | 82 dB(A) |

| EN 14825 | |
|----------|-----------------|
| | Low temperature |
| | |





| This information was generated by the HF i | KETHANK database on 10 Mai 2022 |
|---|---------------------------------|
| η_{s} | 160 % |
| Prated | 51.00 kW |
| SCOP | 4.06 |
| Tbiv | -7 °C |
| TOL | -15 °C |
| Pdh Tj = -7°C | 45.02 kW |
| $COP Tj = -7^{\circ}C$ | 2.75 |
| Cdh Tj = -7 °C | 0.900 |
| Pdh Tj = $+2$ °C | 28.17 kW |
| COP Tj = +2°C | 4.18 |
| Cdh Tj = +2 °C | 0.900 |
| Pdh Tj = $+7^{\circ}$ C | 26.16 kW |
| $COPTj = +7^{\circ}C$ | 5.00 |
| Cdh Tj = +7 °C | 0.900 |
| Pdh Tj = 12°C | 31.74 kW |
| COP Tj = 12°C | 6.88 |
| Cdh Tj = +12 °C | 0.900 |
| Pdh Tj = Tbiv | 45.02 kW |
| COP Tj = Tbiv | 2.75 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 42.80 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.14 |
| | |



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This information was generated by the HP KEYMARK database on 18 Mar 2022

| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.900 |
|---|-----------|
| WTOL | 54 °C |
| Poff | 104 W |
| PTO | 508 W |
| PSB | 104 W |
| PCK | o w |
| Supplementary Heater: Type of energy input | n/a |
| Supplementary Heater: PSUP | 8.20 kW |
| Annual energy consumption Qhe | 25834 kWh |

Cooling

| EN 14023 | EN 14825 |
|----------|----------|
|----------|----------|





| This information was generated by the Fir KE | +7°C/+12°C |
|--|------------|
| Pdesignc | 68.90 kW |
| SEER | 4.14 |
| Pdc Tj = 35°C | 68.90 kW |
| EER Tj = 35°C | 3.09 |
| Pdc Tj = 30°C | 49.07 kW |
| EER Tj = 30°C | 3.88 |
| Cdc | 0.900 |
| Pdc Tj = 25°C | 31.48 kW |
| EER Tj = 25°C | 4.63 |
| Cdc | 0.900 |
| Pdc Tj = 20°C | 23.76 kW |
| EER Tj = 20°C | 5.05 |
| Cdc | 0.900 |
| Poff | 104 W |
| РТО | 244 W |
| PSB | 104 W |
| PCK | 0 W |
| Annual energy consumption Qce | 9916 kWh |





| EN 14511-2 | |
|------------------|----------|
| +7°C/+12°C | |
| El input | 22.23 kW |
| Cooling capacity | 68.90 |
| EER | 3.09 |



Model: WSAN-YSi 35.2

| Configure model | | |
|-------------------------------------|--------------------|--|
| Model name | WSAN-YSi 35.2 | |
| Application | Heating (low temp) | |
| Units | Outdoor | |
| Climate Zone | n/a | |
| Reversibility | Yes | |
| Cooling mode application (optional) | +7°C/12°C | |

| General Data | | |
|--------------|-------------|--|
| Power supply | 3x400V 50Hz | |

Heating

| EN 14511-2 | |
|-------------|-----------------|
| | Low temperature |
| Heat output | 86.00 kW |
| El input | 21.45 kW |
| СОР | 4.01 |

Average Climate

| EN 12102-1 | |
|---------------------------|-----------------|
| | Low temperature |
| Sound power level outdoor | 83 dB(A) |

| EN 14825 | |
|----------|-----------------|
| | Low temperature |
| | |





| This information was generated by the | |
|---|----------|
| η_s | 159 % |
| Prated | 55.00 kW |
| SCOP | 4.06 |
| Tbiv | -7 °C |
| TOL | -15 °C |
| Pdh Tj = -7 °C | 48.43 kW |
| $COP Tj = -7^{\circ}C$ | 2.68 |
| Cdh Tj = -7 °C | 0.900 |
| Pdh Tj = $+2$ °C | 29.76 kW |
| $COPTj = +2^{\circ}C$ | 4.16 |
| Cdh Tj = +2 °C | 0.900 |
| Pdh Tj = $+7^{\circ}$ C | 26.16 kW |
| $COPTj = +7^{\circ}C$ | 5.00 |
| Cdh Tj = $+7$ °C | 0.900 |
| Pdh Tj = 12°C | 31.82 kW |
| COP Tj = 12°C | 6.84 |
| Cdh Tj = +12 °C | 0.900 |
| Pdh Tj = Tbiv | 48.30 kW |
| COP Tj = Tbiv | 2.68 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 47.20 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.09 |
| | , |

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com



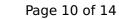


| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.900 |
|---|-----------|
| WTOL | 54 °C |
| Poff | 104 W |
| PTO | 540 W |
| PSB | 104 W |
| PCK | 0 W |
| Supplementary Heater: Type of energy input | n/a |
| Supplementary Heater: PSUP | 7.80 kW |
| Annual energy consumption Qhe | 27859 kWh |

Cooling

| EN 14511-2 | |
|------------------|------------|
| | +7°C/+12°C |
| El input | 28.40 kW |
| Cooling capacity | 79.80 |
| EER | 2.81 |

EN 14825





| This information was generated by the Fir KE | +7°C/+12°C |
|--|------------|
| Pdesignc | 79.80 kW |
| SEER | 4.04 |
| Pdc Tj = 35°C | 79.80 kW |
| EER Tj = 35°C | 2.81 |
| Pdc Tj = 30°C | 58.80 kW |
| EER Tj = 30°C | 3.65 |
| Cdc | 0.900 |
| Pdc Tj = 25°C | 37.80 kW |
| EER Tj = 25°C | 4.48 |
| Cdc | 0.900 |
| Pdc Tj = 20°C | 24.28 kW |
| EER Tj = 20°C | 5.08 |
| Cdc | 0.900 |
| Poff | 104 W |
| РТО | 293 W |
| PSB | 104 W |
| PCK | o w |
| Annual energy consumption Qce | 11841 kWh |



Model: WSAN-YSi 40.2

| Configure model | | |
|-------------------------------------|--------------------|--|
| Model name | WSAN-YSi 40.2 | |
| Application | Heating (low temp) | |
| Units | Outdoor | |
| Climate Zone | n/a | |
| Reversibility | Yes | |
| Cooling mode application (optional) | +7°C/12°C | |

| General Data | | |
|--------------|-------------|--|
| Power supply | 3x400V 50Hz | |

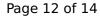
Heating

| EN 14511-2 | |
|-------------|-----------------|
| | Low temperature |
| Heat output | 96.10 kW |
| El input | 25.63 kW |
| СОР | 3.75 |

Average Climate

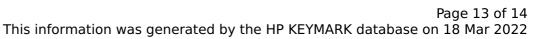
| EN 12102-1 | |
|---------------------------|-----------------|
| | Low temperature |
| Sound power level outdoor | 83 dB(A) |

| EN 14825 | |
|----------|-----------------|
| | Low temperature |
| | |





| This information was generated by the ri | TETTIANK database on 10 Mai 2022 |
|---|----------------------------------|
| η_{s} | 159 % |
| Prated | 56.00 kW |
| SCOP | 4.04 |
| Tbiv | -7 °C |
| TOL | -15 °C |
| Pdh Tj = -7°C | 49.34 kW |
| COP Tj = -7°C | 2.67 |
| Cdh Tj = -7 °C | 0.900 |
| Pdh Tj = +2°C | 31.85 kW |
| COP Tj = +2°C | 4.24 |
| Cdh Tj = +2 °C | 0.900 |
| Pdh Tj = $+7^{\circ}$ C | 26.15 kW |
| COP Tj = +7°C | 4.73 |
| Cdh Tj = +7 °C | 0.900 |
| Pdh Tj = 12°C | 32.51 kW |
| COP Tj = 12°C | 6.78 |
| Cdh Tj = +12 °C | 0.900 |
| Pdh Tj = Tbiv | 49.34 kW |
| COP Tj = Tbiv | 2.67 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 53.00 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.00 |
| | |



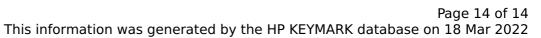


| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.900 |
|---|-----------|
| WTOL | 54 °C |
| Poff | 104 W |
| PTO | 690 W |
| PSB | 104 W |
| PCK | 0 W |
| Supplementary Heater: Type of energy input | n/a |
| Supplementary Heater: PSUP | 3.00 kW |
| Annual energy consumption Qhe | 28523 kWh |

Cooling

| EN 14511-2 | |
|------------------|------------|
| | +7°C/+12°C |
| El input | 37.72 kW |
| Cooling capacity | 97.30 |
| EER | 2.65 |

EN 14825





| This information was general | +7°C/+12°C |
|-------------------------------|------------|
| Pdesignc | 88.40 kW |
| SEER | 3.94 |
| Pdc Tj = 35°C | 88.40 kW |
| EER Tj = 35°C | 2.65 |
| Pdc Tj = 30°C | 65.10 kW |
| EER Tj = 30°C | 3.55 |
| Cdc | 0.900 |
| Pdc Tj = 25°C | 42.80 kW |
| EER Tj = 25°C | 4.46 |
| Cdc | 0.900 |
| Pdc Tj = 20°C | 23.30 kW |
| EER Tj = 20°C | 4.79 |
| Cdc | 0.900 |
| Poff | 104 W |
| РТО | 414 W |
| PSB | 104 W |
| PCK | 0 W |
| Annual energy consumption Qce | 13478 kWh |