

Thermal Management

Cooling units

Vertical | CUVN

IP 54 | TYPE 12

**Description:**

High performance cooling unit for vertical installation. The unit is external mounted in order to maximize the space inside the enclosure. The air conditioners cover a cooling range from 360 W to 5950 W. Common to all models is the self cleaning condenser coil which eliminates the necessity for an air filter and therefore avoiding ordinary maintenance. The cooling capacity for specific conditions are indicated in the diagrams. All models above 1000 W are equipped with condensation dissipator. Mechanical thermostat is installed on all models. Ozone friendly refrigerant R134a.

Type of connection:

Terminal included.

Material:

Galvanized steel powder coated / Stainless steel AISI 304.
Stainless steel AISI 316 available on request.

Temperature limits inside:

+25°C to +45°C.

Temperature limits outside:

+20°C to +55°C.

Protection:

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Finish:

RAL 7035 for the galvanized steel versions.

Approvals:

CE, cULus_UL Listed.

Pack quantity:

One unit.



IP 54 | TYPE 12

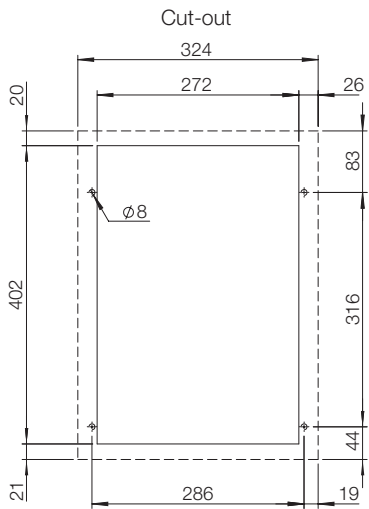
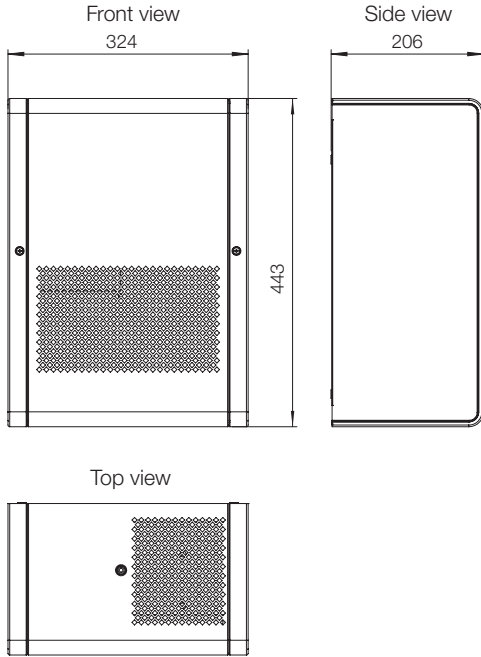
| H | W | D | Cooling capacity L35L35 (W) | Cooling capacity L35L50 (W) | Power consumption L35L50 (W) | Power supply (V/ph/Hz) | Item no. |
|------|-----|-----|-----------------------------|-----------------------------|------------------------------|-----------------------------|-------------|
| 443 | 324 | 206 | 360 - 380 | 220 - 240 | 220 | 230 / 1 / 50 - 60 | CUVN03602 |
| 642 | 313 | 223 | 550 - 580 | 390 | 310 - 340 | 230 / 1 / 50 - 60 | CUVN05502 |
| 642 | 313 | 223 | 850 - 900 | 620 - 700 | 420 - 600 | 230 / 1 / 50 - 60 | CUVN08502 |
| 912 | 410 | 248 | 1050 - 1150 | 840 - 890 | 510 - 650 | 230 / 1 / 50 - 60 | CUVN10502 |
| 912 | 410 | 248 | 1500 - 1600 | 1200 - 1280 | 750 - 825 | 230 / 1 / 50 - 60 | CUVN15002 |
| 1005 | 409 | 263 | 1500 | 1200 | 890 | 400 - 3 - 50 / 460 - 3 - 60 | CUVN15004 |
| 1005 | 409 | 263 | 2100 - 2200 | 1750 - 1850 | 1120 - 1240 | 230 / 1 / 50 - 60 | CUVN21002 |
| 1005 | 409 | 263 | 2100 | 1800 | 1200 | 400 - 3 - 50 / 460 - 3 - 60 | CUVN21004 |
| 1217 | 511 | 347 | 3000 - 3150 | 2400 - 2600 | 1370 - 1510 | 230 / 1 / 50 - 60 | CUVN30002 |
| 1217 | 511 | 347 | 3000 | 2500 | 1510 | 400-3-50 / 460-3-60 | CUVN30004 |
| 1217 | 511 | 347 | 4000 - 4100 | 3000 - 3300 | 1730 - 1950 | 230 / 1 / 50 - 60 | CUVN40502 |
| 1217 | 511 | 347 | 4050 | 3260 | 1950 | 400 - 3 - 50 / 460 - 3 - 60 | CUVN40504 |
| 1405 | 554 | 404 | 5950 | 4850 | 2670 - 3600 | 400 - 3 - 50 / 460 - 3 - 60 | CUVN59504 |
| 443 | 324 | 206 | 360 - 380 | 220 - 240 | 190 - 220 | 230 / 1 / 50-60 | CUVN03602SS |
| 642 | 313 | 223 | 550 - 580 | 410 - 430 | 310 - 340 | 230 / 1 / 50 - 60 | CUVN05502SS |
| 642 | 313 | 223 | 850 - 900 | 620 - 700 | 420 - 600 | 230 / 1 / 50 - 60 | CUVN08502SS |
| 912 | 410 | 248 | 1050 - 1150 | 840 - 890 | 510 - 650 | 230 / 1 / 50 - 60 | CUVN10502SS |
| 912 | 410 | 248 | 1500 - 1600 | 1200 - 1280 | 750 - 825 | 230 / 1 / 50 - 60 | CUVN15002SS |
| 1005 | 409 | 263 | 1500 | 1200 | 890 | 400 - 3 - 50 / 460 - 3 - 60 | CUVN15004SS |
| 1005 | 409 | 263 | 2100 - 2200 | 1750 - 1850 | 1120 - 1240 | 230 / 1 / 50 - 60 | CUVN21002SS |
| 1005 | 409 | 263 | 2100 | 1800 | 1200 | 400 - 3 - 50 / 460 - 3 - 60 | CUVN21004SS |
| 1217 | 511 | 347 | 3000 - 3150 | 2400 - 2600 | 1370 - 1510 | 230 / 1 / 50 - 60 | CUVN30002SS |
| 1217 | 511 | 347 | 3000 | 2500 | 1510 | 400 - 3 - 50 / 460 - 3 - 60 | CUVN30004SS |
| 1217 | 511 | 347 | 4000 - 4100 | 3000 - 3300 | 1730 - 1950 | 230 / 1 / 50 - 60 | CUVN40502SS |
| 1217 | 511 | 347 | 4050 | 3260 | 1950 | 400 - 3 - 50 / 460 - 3 - 60 | CUVN40504SS |
| 1405 | 554 | 404 | 5950 | 4850 | 2670 - 3600 | 400 - 3 - 50 / 460 - 3 - 60 | CUVN59504SS |

| Max. running current (A) | Starting current (A) | Pre-fuse (A) | Side cabinet fan flow (m³/h) | Noise level (dB) | Weight (kg) | Item no. |
|--------------------------|----------------------|--------------|------------------------------|------------------|-------------|-------------|
| 1.7 | 9.8 | 15 | 195 | 55 | 18.89 | CUVN03602 |
| 2.1 | 7.5 | 15 | 195 | 61 | 25.56 | CUVN05502 |
| 3.9 | 20 | 15 | 390 | 64 | 30.00 | CUVN08502 |
| 3.6 | 18 | 15 | 580 | 65 | 48.89 | CUVN10502 |
| 4.5 | 28 | 15 | 580 | 65 | 51.11 | CUVN15002 |
| 2.37 | 20 | 15 | 580 | 65 | 53.33 | CUVN15004 |
| 6.3 | 34 | 15 | 580 | 69 | 53.33 | CUVN21002 |
| 3.62 | 22 | 15 | 930 | 69 | 53.33 | CUVN21004 |
| 8 | 35 | 15 | 930 | 69 | 83.33 | CUVN30002 |
| 4.85 | 19 | 15 | 930 | 69 | 88.89 | CUVN30004 |
| 8.3 | 35 | 15 | 1300 | 70 | 88.89 | CUVN40502 |
| 5.96 | 19 | 15 | 1300 | 70 | 94.44 | CUVN40504 |
| 8.11 | 53 | 15 | 1600 | 73.5 | 111.11 | CUVN59504 |
| 1.7 | 9.8 | 15 | 195 | 55 | 18.89 | CUVN03602SS |
| 2.1 | 15 | 15 | 195 | 61 | 25.56 | CUVN05502SS |
| 3.9 | 20 | 15 | 390 | 64 | 30.00 | CUVN08502SS |
| 3.6 | 18 | 15 | 580 | 65 | 48.89 | CUVN10502SS |
| 4.5 | 28 | 15 | 580 | 65 | 51.11 | CUVN15002SS |
| 2.37 | 20 | 15 | 580 | 65 | 53.33 | CUVN15004SS |
| 6.3 | 34 | 15 | 580 | 69 | 53.33 | CUVN21002SS |
| 3.62 | 22 | 15 | 930 | 69 | 53.33 | CUVN21004SS |
| 8 | 35 | 15 | 930 | 69 | 83.33 | CUVN30002SS |
| 4.85 | 19 | 15 | 930 | 69 | 88.89 | CUVN30004SS |
| 8.3 | 35 | 15 | 1300 | 70 | 88.89 | CUVN40502SS |
| 5.96 | 19 | 15 | 1300 | 70 | 94.44 | CUVN40504SS |
| 8.11 | 53 | 15 | 1600 | 73.5 | 111.11 | CUVN59504SS |

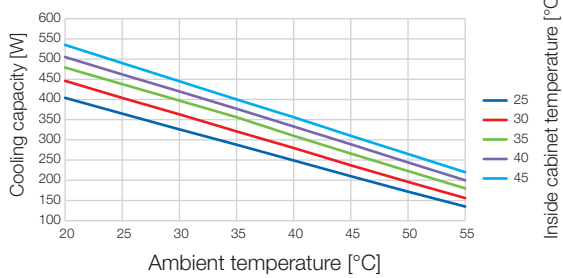


Dimensional drawing | CUVN

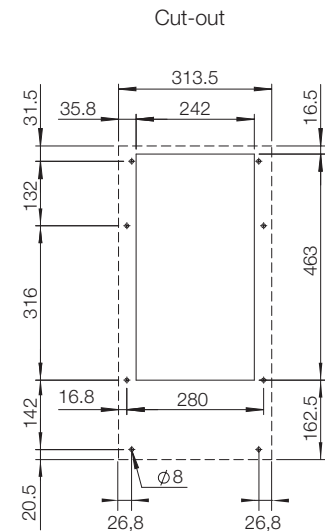
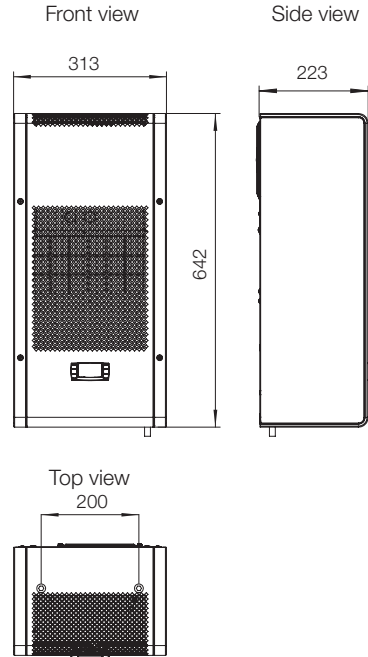
CUVN03602 / CUVN03602SS



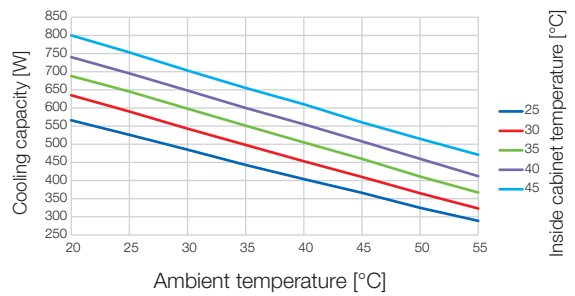
Performance



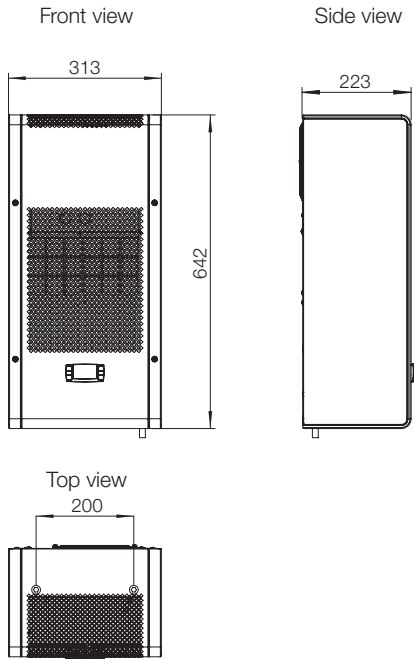
CUVN05502 / CUVN05502SS



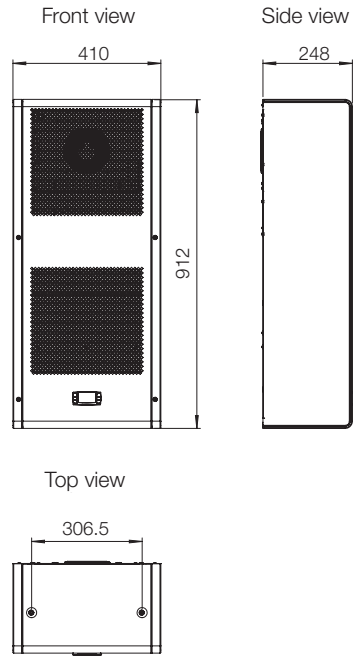
Performance



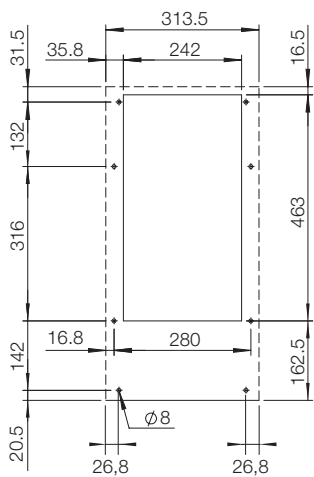
CUVN08502 / CUVN08502SS



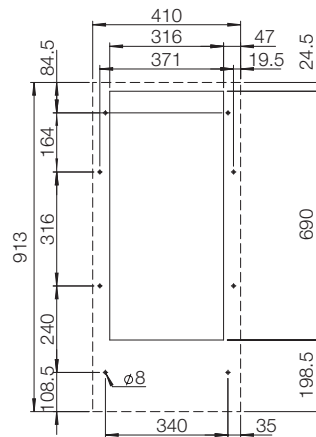
CUVN10502 / CUVN10502SS



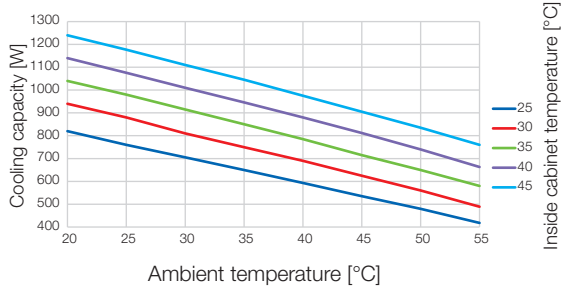
Cut-out



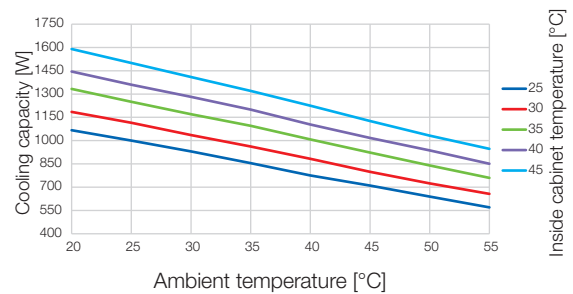
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Performance

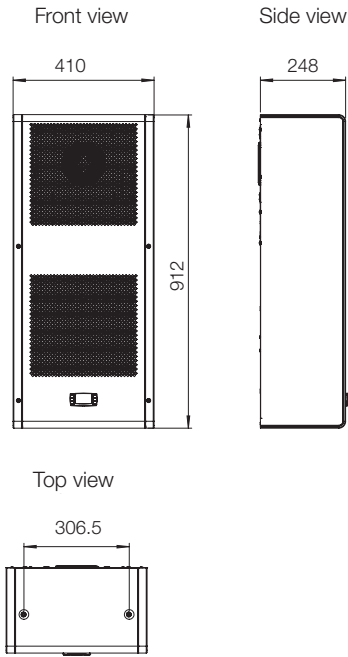


Performance

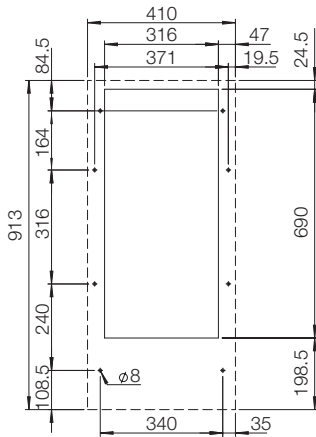


Dimensional drawing | CUVN

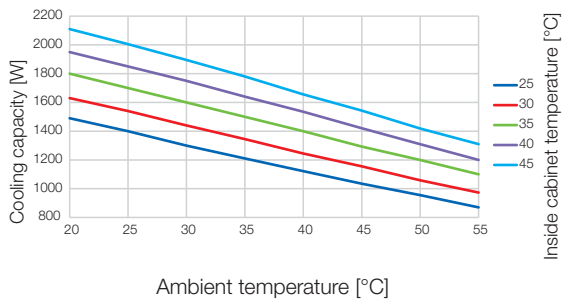
CUVN15002 / CUVN15002SS



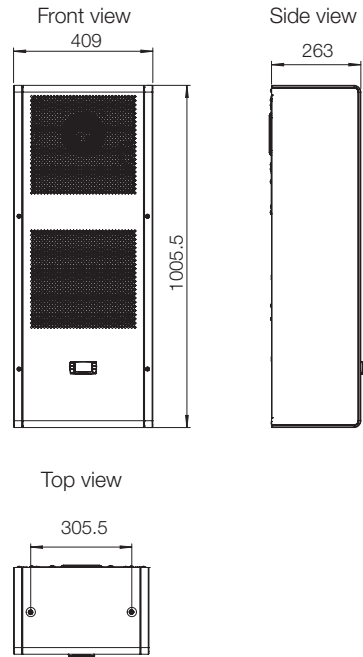
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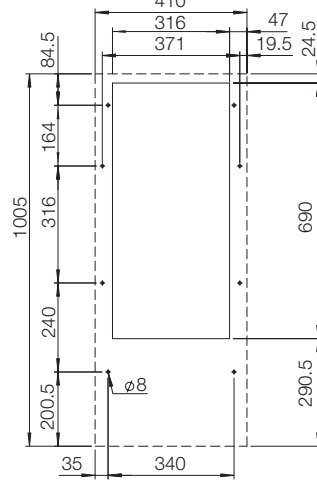
Performance



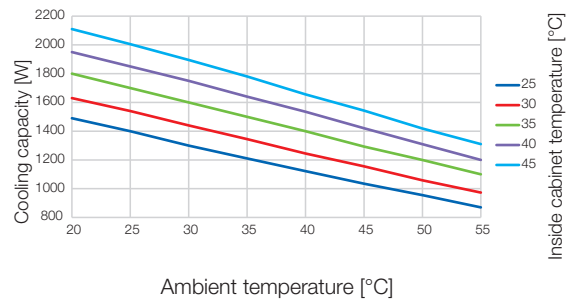
CUVN15004 / CUVN15004SS



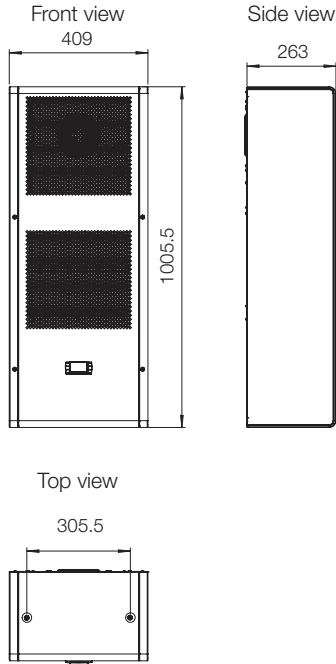
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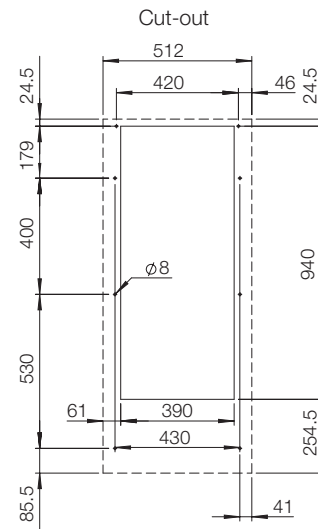
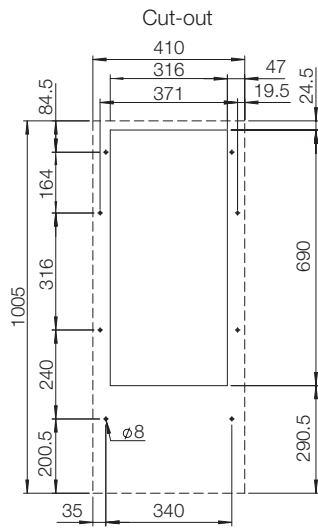
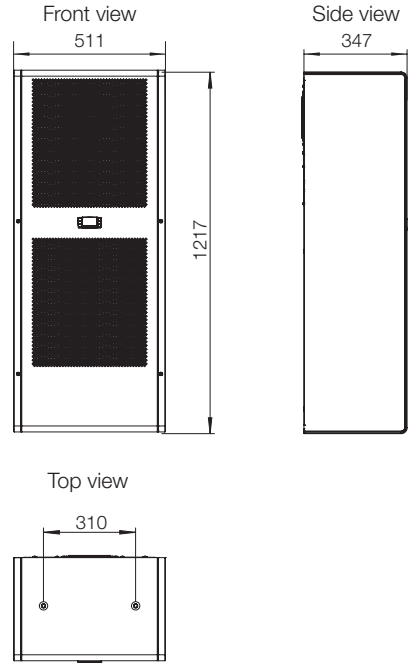
Performance



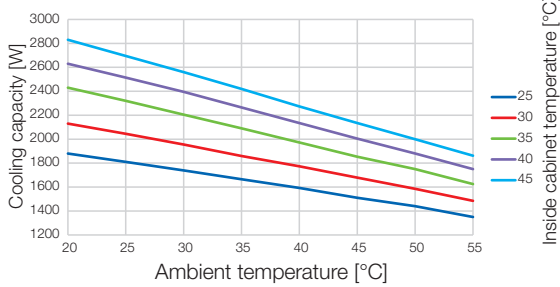
CUVN21002 / CUVN21002SS
CUVN21004 / CUVN21004SS



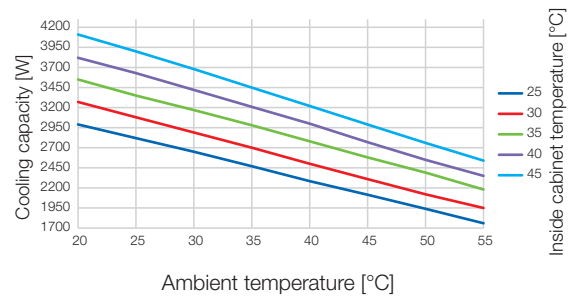
CUVN30002 / CUVN30002SS
CUVN30004 / CUVN30004SS



Performance



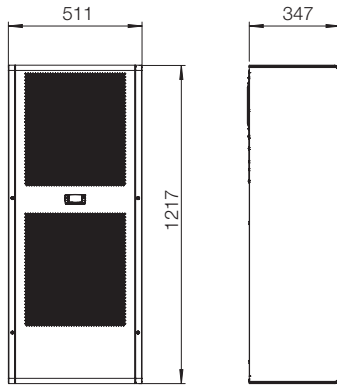
Performance



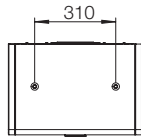
Dimensional drawing | CUVN

CUVN40502 / CUVN40502SS
CUVN40504 / CUVN40504SS

Front view Side view

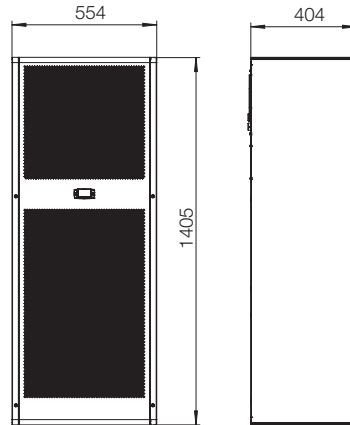


Top view

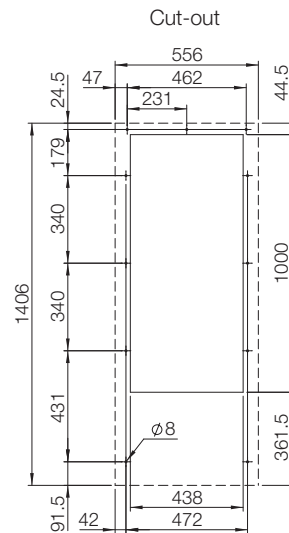
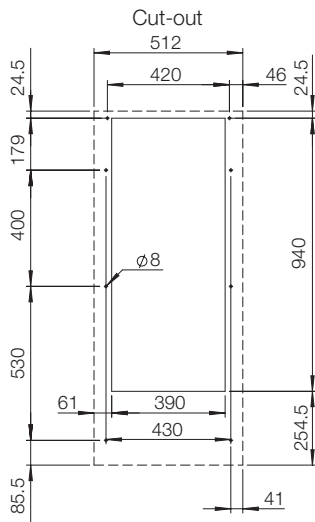
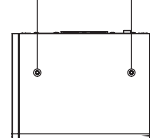


CUVN59504 / CUVN59504SS

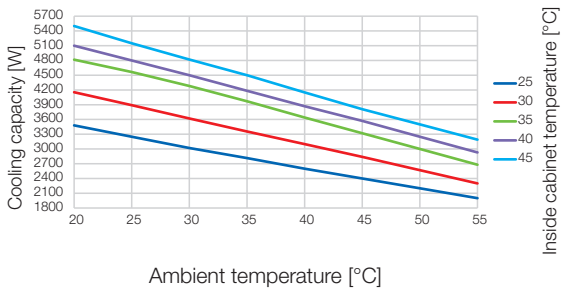
Front view Side view



Top view



Performance



Performance

