

VAK DC 1200 SLIM

DC air conditioner designed
for optimal cabinet footprint on
telecom sites



MAIN FEATURES

- Cooling performance range: 900-1.350W
- Equipped w/ advanced controller platform
- Eco-friendly refrigerant CFC-free R134a
- Lightweight for easy handling and transport
- Designed for configuration and added features

STANDARDS

- IP65 (IEC60529)
- CE, UL/cUL
- NEMA-3R
- RoHs/REACH/CLP
- Telcordia GR-487 capable

OPTIONAL FEATURES

- Compressor Heater Package
- Enclosure Heater Package
- Material: SGCC, Aluminium, Stainless Steel
- External or Built-In Condensate Evaporator
- Flanges for partial recess-mounting
- Self-test functionality
- Recessed mounting
- Several colours and finishes

UNIT DESIGN

- Aluzinc Steel
- Powder-coated in RAL 9016
- Louver in front of external fan
- Designed for easy service and maintenance
- External mounting

CONTROLS

- Cooling capacity regulation
- Cyclic off-grid application w/ battery-power backup
- Optimised for hybrid sites
- Password protected set-point adjustment
- User-friendly interface w/ display

VAK DC 1200 SLIM

Technical specifications

STANDARD CONFIGURATION

| | |
|---|--|
| Epoxy Coated condenser coil | Rotation function between lead/lag units |
| Ethernet communication interface | Sand trap |
| Standard configuration for cold weather package | Smoke detector input and control logic |
| Door contact input and control logic | Shock and vibration capable ISTA-3B |
| LVD and HVD protection function | |

DIMENSIONS

| | | | | |
|--------|----|-----|------|------|
| Height | mm | 900 | inch | 35,4 |
| Width | mm | 483 | inch | 19,0 |
| Depth | mm | 175 | inch | 6,9 |
| Weight | kg | 29 | lbs | 64 |

ELECTRICAL DATA

| | | |
|---------------------------|---|----------|
| Voltage (Nominal) | V | 48 DC |
| Voltage (Operating range) | V | 42-60 DC |

CURRENT

| | | |
|---------------------------|---|------|
| — Starting | A | 10,0 |
| — 35°C/35°C - 95°F/95°F | A | 6,7 |
| — 55°C/55°C - 131°F/131°F | A | 11,0 |
| — 35°C/55°C - 95°F/131°F | A | 9,8 |

POWER CONSUMPTION

| | | |
|---------------------------|---|-----|
| — 35°C/35°C - 95°F/95°F | W | 320 |
| — 55°C/55°C - 131°F/131°F | W | 530 |
| — 35°C/55°C - 95°F/131°F | W | 470 |

CONTROLS

| | |
|----------------------------|-------------------------------|
| Temperature Control Method | Precision Temperature Control |
| Compressor Drive | Variable Speed |
| Fan Drive | Variable Speed |

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Technical specifications

COOLING PERFORMANCE

| | | | | |
|----------------------------|---|-------|-------|-------|
| Cooling capacity (Nominal) | W | 1.200 | BTU/h | 4.095 |
|----------------------------|---|-------|-------|-------|

COOLING CAPACITY

| | | | | |
|-------------------------|---|-------|-------|-------|
| — 35°C/35°C - 95°F/95°F | W | 1.260 | BTU/h | 4.299 |
|-------------------------|---|-------|-------|-------|

| | | | | |
|---------------------------|---|-------|-------|-------|
| — 55°C/55°C - 131°F/131°F | W | 1.350 | BTU/h | 4.606 |
|---------------------------|---|-------|-------|-------|

| | | | | |
|--------------------------|---|-----|-------|-------|
| — 35°C/55°C - 95°F/131°F | W | 900 | BTU/h | 3.071 |
|--------------------------|---|-----|-------|-------|

| | | | | |
|---------------------------|-------------------|-----|-----|-----|
| Internal airflow (Actual) | M ³ /h | 520 | CFM | 306 |
|---------------------------|-------------------|-----|-----|-----|

| | | | | |
|---------------------------|-------------------|-----|-----|-----|
| External airflow (Actual) | M ³ /h | 620 | CFM | 365 |
|---------------------------|-------------------|-----|-----|-----|

AMBIENT TEMPERATURE RANGE

| | | | | |
|---------|----|-----|----|------|
| Maximum | °C | +55 | °F | +131 |
|---------|----|-----|----|------|

| | | | | |
|---------|----|-----|----|----|
| Minimum | °C | -15 | °F | +5 |
|---------|----|-----|----|----|

| | | | | |
|--------------------------|----|------------|----|-------------|
| Extended operation range | °C | -40 to +55 | °F | -40 to +131 |
|--------------------------|----|------------|----|-------------|

ENVIRONMENTAL INFORMATION

| | | |
|--------------------------|-----|------|
| Global Warming Potential | GWP | 1430 |
|--------------------------|-----|------|

| | | |
|--------------------------|-----|---|
| Ozon Depleting Potential | ODP | 0 |
|--------------------------|-----|---|

EER (L35/L35)

| | | |
|------|-------|-----|
| — °C | W / W | 3,9 |
|------|-------|-----|

| | | |
|------|-------|------|
| — °F | W / W | 13,4 |
|------|-------|------|

REFRIGERANT

| | |
|--------|----------------|
| — Type | CFC-free R134a |
|--------|----------------|

| | | |
|----------|---|-----|
| — Amount | g | 450 |
|----------|---|-----|

NOISE LEVEL

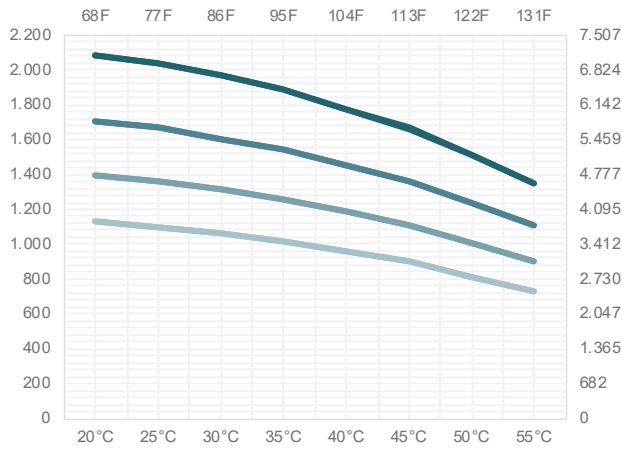
| | | |
|-------|-------|----|
| — Day | dB(A) | 65 |
|-------|-------|----|

| | | |
|---------|-------|----|
| — Night | dB(A) | 55 |
|---------|-------|----|

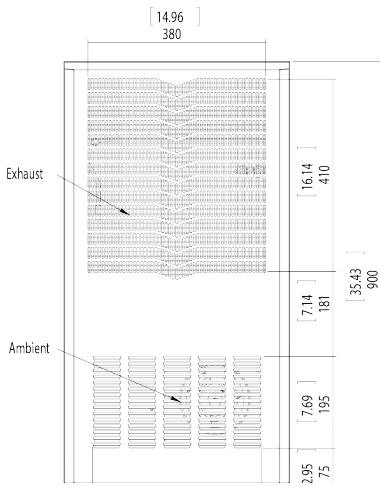
VAK DC 1200 SLIM

Technical specifications

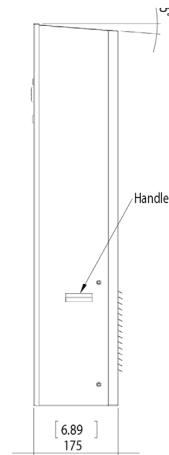
COOLING CAPACITY



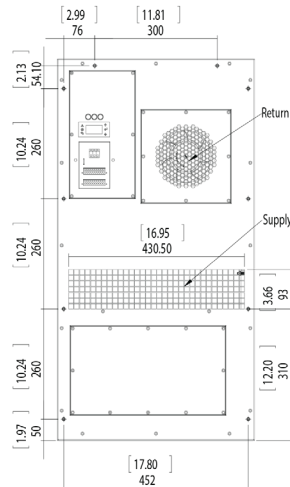
- CC @ RT25C (77F)
- CC @ RT35C (95F)
- CC @ RT45C (113F)
- CC @ RT55C (131F)



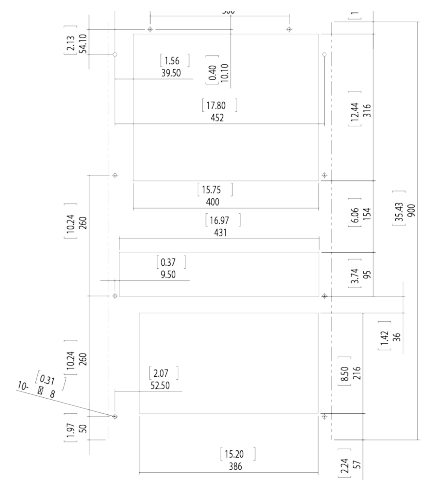
FRONT



SIDE



BACK



CUT-OUT