



ROOFTOP UNIT ENERGY EFFICIENCY MADE EASY

# Climatix Variable Frequency Drives

[usa.siemens.com/climatix-vfd](http://usa.siemens.com/climatix-vfd)

**SIEMENS**

# Simplified setup **saves** **weeks in labor**

The Climatix VFD series is designed specifically for use in new or existing rooftop unit fan applications to provide the energy efficiency needed in an easily integrated, compact, cost-effective VFD. It leverages the Climatix RT controller to simplify commissioning, monitoring, and troubleshooting.

## Features & Benefits

### Compact Form

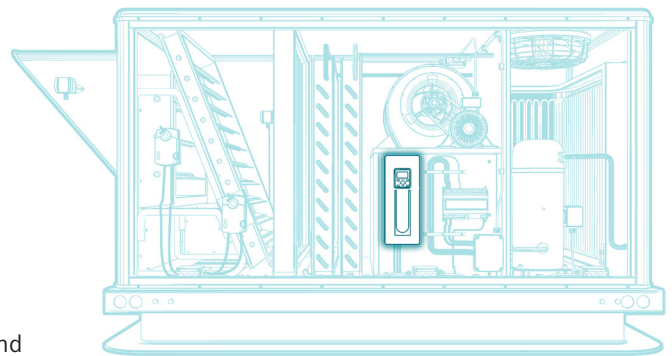
Designed to fit nicely in tight spaces with a size 40% smaller than other VFDs – ideal for RTU retrofits.

### Conformal Coated PCBs

Durable in harsh environments, the Climatix VFD printed circuit boards are built to withstand dust and moisture build-up.

### Ease of Use

- Easy commissioning with Climatix mobile app
- Compatible with existing induction motor or permanent magnet motors
- VFD configuration for induction motors with 10 or fewer parameters (25 or fewer for permanent magnet motors)
- Real-time status monitoring with pre-configured Climatix IC dashboards
- Easy access to boards via screwless front cover
- Removeable fan for easy maintenance
- Flexible mounting options for easy installation



### Additional Features

- Built-in Safe Torque Off (STO)
- Multi-motor control – up to 4 motors
- Built-in PID
- Phase loss protection
- Plenum rated
- DC braking
- Operating temperature -4° to 122° F (-20° to 50° C) without derating
- Certifications: UL, CE, RCM, TUV (SIL 2), RoHS, REACH

### Accessories

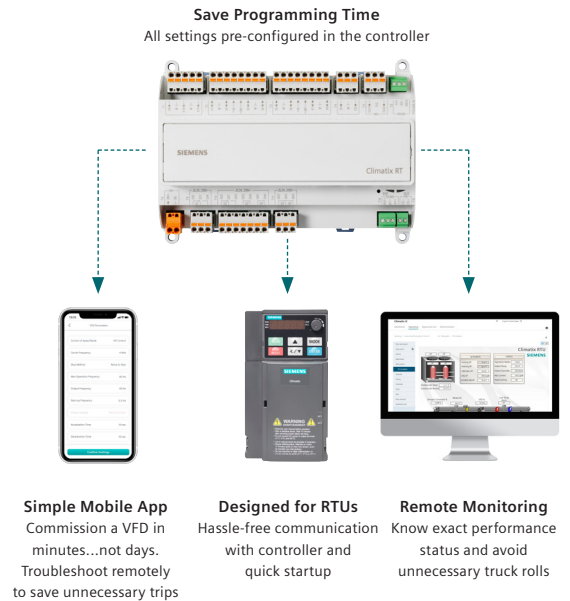
- Replacement fan kit VFD frames B-E
- EMC filter
- Remote mounting kit
- Line / load reactors
- DC choke

# Easy system integration with Siemens RTU Solution

Climatix rooftop unit solutions are designed to deliver better efficiency, comfort and savings to small, commercial buildings who want to use what they already have...just make it work more reliably, more cost effectively and improve the building environment and air quality.

Experience a new level of programming simplicity with the VFD sequence of operations preset in the Climatix RT controller for one-step commissioning.

The Climatix mobile app completes programming with a press of the button. Combine with Climatix IC remote monitoring and you always know the exact VFD setting and RTU fan performance.



## Commissioning Options

### Standard Configuration

The Climatix mobile app simplifies VFD programming by connecting to the Climatix RT controller to configure communications and set RTU application defaults.

#### Ideal for:

- Standard RTUs
- Fan applications

#### Benefits:

- Easy to use
- Fastest commissioning with customized RTU configuration wizard
- Easily copy setup from unit to unit

### Advanced Configuration

Directly set up the Climatix VFD from the keypad for the most flexibility and access to advanced parameters.

#### Ideal for:

- Experienced users
- Commissioning for fans, compressors, and pumps

#### Benefits:

- Maximum programming flexibility
- Commissioning macros available to simplify start-up



## Product Numbers

	RT	001X	-11	N
<b>Family</b>				
<b>Rooftop</b>				
<b>Power Rating</b>				
0002 – 0.25 HP				
0005 – 0.5 HP				
001X – 1 HP				
002X – 2 HP				
003X – 3 HP				
005x – 5 HP				
0075 – 7.5 HP				
010X – 10 HP				
015X – 15 HP				
020X – 20 HP				
025X – 25 HP				
030X – 30 HP				
<b>Voltage</b>				
11 = 115V 1-ph				
21 = 230V 1-ph				
23 = 230V 3-ph				
43 = 460V 3-ph				
53 = 575v 3-ph				

Siemens Part Number	Product Information	Voltage	HP	Phase	Frame
RT0002-11N	VFD 115V, 1-PH; 0.25HP	115	0.25	1	A1
RT0005-11N	VFD 115V, 1-PH, 0.5HP	115	0.5	1	A3
RT001X-11N	VFD 115V, 1-PH, 1HP	115	1	1	C1
RT0002-21N	VFD 230V, 1-PH, 0.25HP	230	0.25	1	A1
RT0005-21N	VFD 230V, 1-PH, 0.5HP	230	0.5	1	A3
RT001X-21N	VFD 230V, 1-PH, 1HP	230	1	1	B2
RT002X-21N	VFD 230V, 1-PH, 2HP	230	2	1	C1
RT003X-21N	VFD 230V, 1-PH, 3HP	230	3	1	C1
RT0002-23N	VFD 230V, 3-PH, 0.25HP	230	0.25	3	A1
RT0005-23N	VFD 230V, 3-PH, 0.5HP	230	0.5	3	A2
RT001X-23N	VFD 230V, 3-PH, 1HP	230	1	3	A5
RT002X-23N	VFD 230V, 3-PH, 2HP	230	2	3	B1
RT003X-23N	VFD 230V, 3-PH, 3HP	230	3	3	C1
RT005X-23N	VFD 230V, 3-PH, 5HP	230	5	3	C1
RT0075-23N	VFD 230V, 3-PH, 7.5HP	230	7.5	3	D1
RT010X-23N	VFD 230V, 3-PH, 10HP	230	10	3	E1
RT020X-23N	VFD 230V, 3-PH, 20HP	230	20	3	F1
RT015X-23N	VFD 230V, 3-PH, 15.2HP	230	15	3	E1
RT0005-43N	VFD 460V, 3-PH, 0.5HP	460	0.5	3	A4
RT001X-43N	VFD 460V, 3-PH, 1HP	460	1	3	A5
RT002X-43N	VFD 460V, 3-PH, 2HP	460	2	3	B1
RT003X-43N	VFD 460V, 3-PH, 3HP	460	3	3	C1
RT005X-43N	VFD 460V, 3-PH, 5HP	460	5	3	C1
RT0075-43N	VFD 460V, 3-PH, 7.5HP	460	7.5	3	D1
RT015X-43N	VFD 460V, 3-PH, 15HP	460	15	3	E1
RT010X-43N	VFD 460V, 3-PH, 10HP	460	10	3	D1
RT020X-43N	VFD 460V, 3-PH, 20HP	460	20	3	E1
RT025X-43N	VFD 460V, 3-PH, 25HP	460	25	3	F1
RT030X-43N	VFD 460V, 3-PH, 30HP	460	30	3	F1
RT001X-53N	VFD 575V, 3-PH, 1HP	575	1	3	A5
RT002X-53N	VFD 575V, 3-PH, 2HP	575	2	3	B1
RT003X-53N	VFD 575V, 3-PH, 3HP	575	3	3	C1
RT005X-53N	VFD 575V, 3-PH, 5HP	575	5	3	C1
RT0075-53N	VFD 575V, 3-PH, 7.5HP	575	7.5	3	D1
RT010X-53N	VFD 575V, 3-PH, 10HP	575	10	3	D1

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