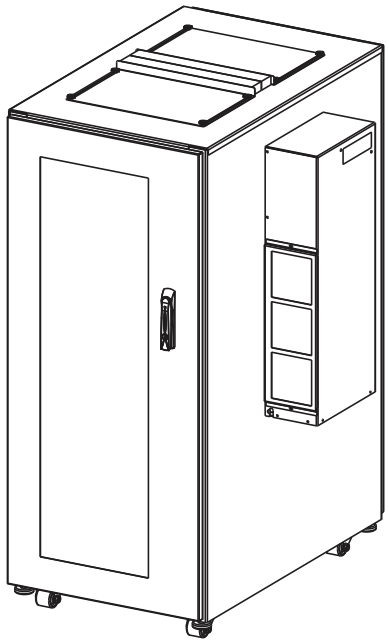
3,000 BTU Half Rack

DEFENDER™ server cabinets are an efficient, self-contained cooling system ideal for use in remote locations, wiring closets, and industrial environments that don't have cooling infrastructure already in place. Capable of providing up to 4 kW of cooling, these cabinets with NEMA rated air conditioners protect the delicate electronics inside from heat, dirt, moisture, and tampering. Simply put, these cabinets are a cost-effective alternative to installing a data center with a climate-controlled cooling system.



Part Number: DC-28U2436-AC3000-D

Cabinet | 28U Rack Space | 24" Wide | 36" Deep + AC Unit | 3,000 BTU

Please consider the following: what are the cooling needs of the equipment that will be housed in the cabinet, what is the height and width of the smallest door or elevator on the path to installation, what is the size of the room where the cabinet will reside, and is there a dedicated receptacle -in the room- capable of handling the power needs of an AC unit. For retrofit jobs; the condition of the existing equipment, the type of rack it is currently housed in, and most importatnly the length of service loop, if any, of the existing cable.

Cabinet Features

- Welded 12-gauge steel frame with 2000 static load capacity
- 28U rack space with square hole rails
- 36" depth standard 30" and 42" depths available
- Fully gasketed locking front and rear doors
- Gland plate in top for cable entry/exit
- Remote monitoring capability
- Compatible with 3,000 BTU AC units
- Cooling capacity approximately 1.0 kW

AC Features

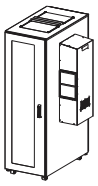
- Designed to mount on the side of the enclosure while maintaining NEMA 12, 3R, 4, or 4X integrity.
- 120V / 3,000 BTU
- Digital temperature controller with alarm
- Built-in condensate evaporator
- Efficient, quiet, long lasting rotary compressor
- Environment friendly HFC refrigerant
- Easy pull-out filter
- UL Listed

Complete Defender Line

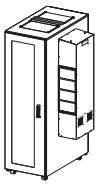
Half Rack
3,000 BTU
~1.0 kW cooling

Half Rack
6,000 BTU
~2.0 kW cooling

Half Rack
8,000 BTU
~2.6 kW cooling

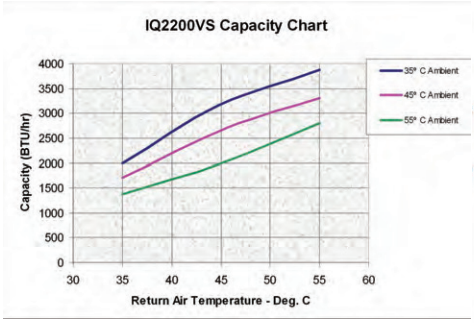


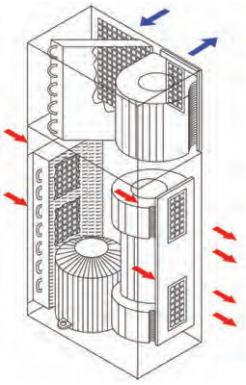
Full Rack
8,000 BTU
~2.6 kW cooling



Full Rack
12,000 BTU
~4.0 kw cooling

AC Unit





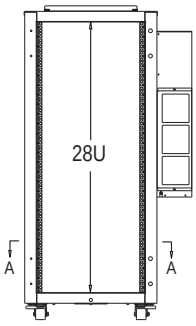
Conditioned Enclosure Air Flow

Ambient Air Flow

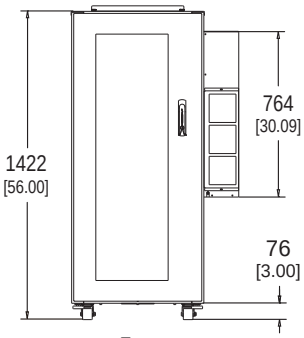
Volts*	BTU / Watts	Max Amps	Max Temp	Weight	HxWxD mm [“]
120	3,000 / 879	6.9	131°F / 55°C	55 lbs. / 25.0 kg,	764 x 312 x 161 [30.09 x 12.27 x 6.34]

*AC unit available in 230V if required. Ask sales representative for details.

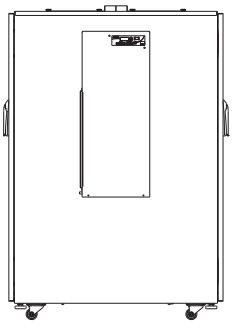
Technical Specifications



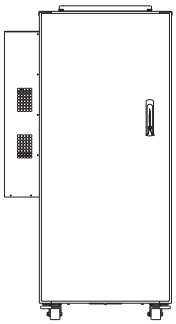
Front (w/o door)



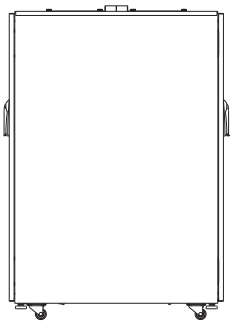
Front



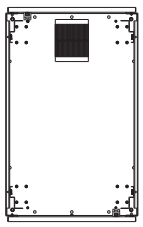
Right Side



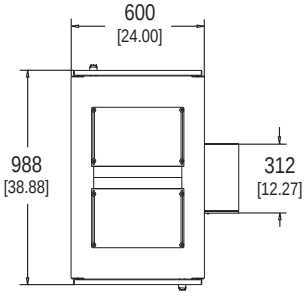
Back



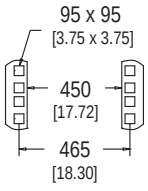
Left Side



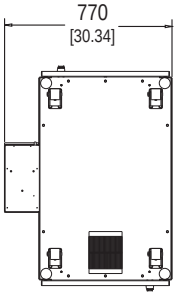
Section A-A



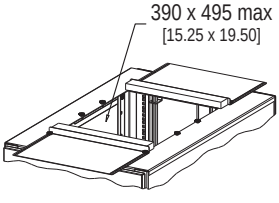
Top



Mounting Dimension



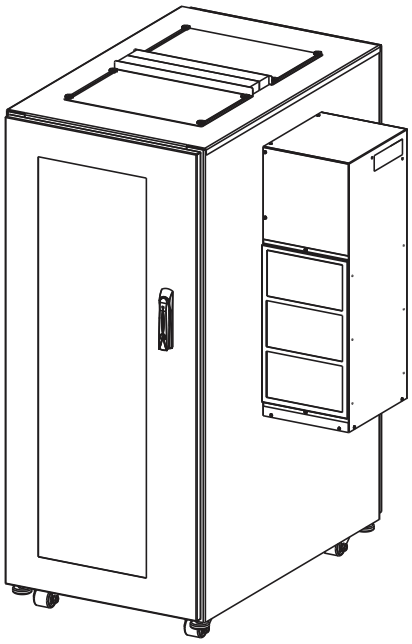
Bottom



Top (w/ gland plate open)

6,000 BTU Half Rack

DEFENDER™ server cabinets are an efficient, self-contained cooling system ideal for use in remote locations, wiring closets, and industrial environments that don't have cooling infrastructure already in place. Capable of providing up to 4 kW of cooling, these cabinets with NEMA rated air conditioners protect the delicate electronics inside from heat, dirt, moisture, and tampering. Simply put, these cabinets are a cost-effective alternative to installing a data center with a climate-controlled cooling system.



Part Number: DC-28U2436-AC6000-D

Cabinet | 28U Rack Space | 24" Wide | 36" Deep + AC Unit | 6,000 BTU

Please consider the following: what are the cooling needs of the equipment that will be housed in the cabinet, what is the height and width of the smallest door or elevator on the path to installation, what is the size of the room where the cabinet will reside, and is there a dedicated receptacle -in the room- capable of handling the power needs of an AC unit. For retrofit jobs; the condition of the existing equipment, the type of rack it is currently housed in, and most importatnly the length of service loop, if any, of the existing cable.

Cabinet Features

- Welded 12-gauge steel frame with 2000 static load capacity
- 28U rack space with square hole rails
- 36" depth standard 30" and 42" depths available
- Fully gasketed locking front and rear doors
- Gland plate in top for cable entry/exit
- Remote monitoring capability
- Compatible with 6,000 BTU AC units
- Cooling capacity approximately 2.0 kW

AC Features

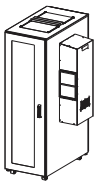
- Designed to mount on the side of the enclosure while maintaining NEMA 12, 3R, 4, or 4X integrity.
- 120V / 6,000 BTU
- Digital temperature controller with alarm
- Built-in condensate evaporator
- Efficient, quiet, long lasting rotary compressor
- Environment friendly HFC refrigerant
- Easy pull-out filter
- UL Listed

Complete Defender Line

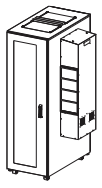
Half Rack
3,000 BTU
~1.0 kW cooling

Half Rack
6,000 BTU
~2.0 kW cooling

Half Rack
8,000 BTU
~2.6 kW cooling

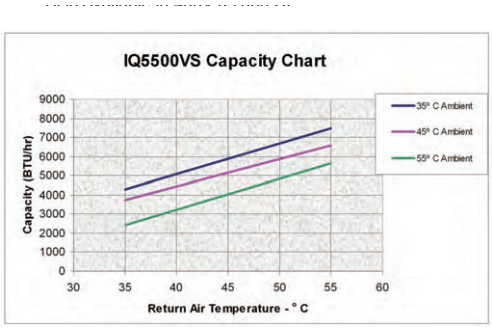


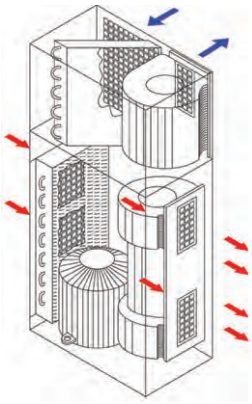
Full Rack
8,000 BTU
~2.6 kW cooling



Full Rack
12,000 BTU
~4.0 kw cooling

AC Unit





Air flow for IQ5500VS

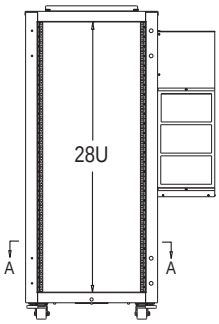
Conditioned Enclosure Air Flow

Ambient Air Flow

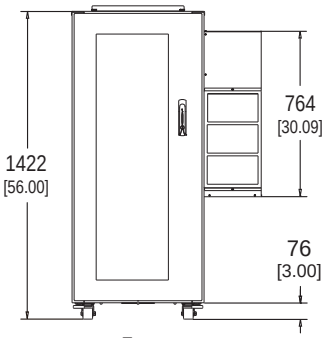
Volts*	BTU / Watts	Max Amps	Max Temp	Weight	HxWxD mm [“]
120	6,000 / 1758	8.0	131°F / 55°C	77 lbs. / 35.0 kg,	764 x 312 x 263 [30.09 x 12.27 x 10.34]

*AC unit available in 230V if required. Ask sales representative for details.

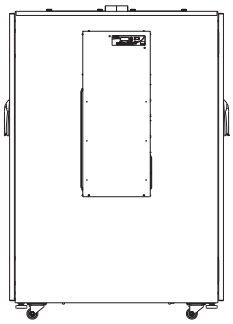
Technical Specifications



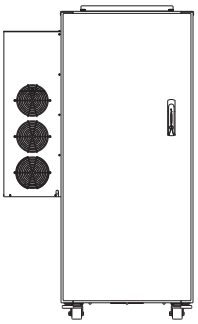
Front (w/o door)



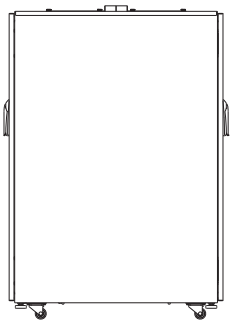
Front



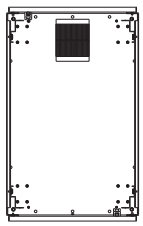
Right Side



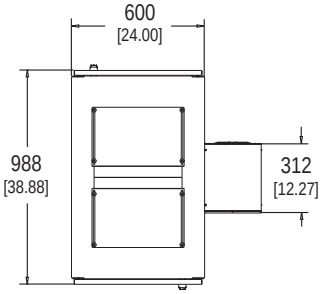
Back



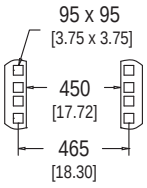
Left Side



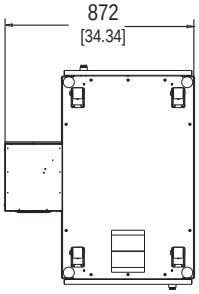
Section A-A



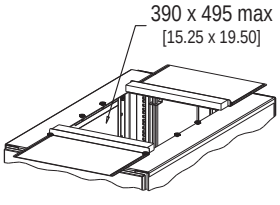
Top



Mounting Dimension



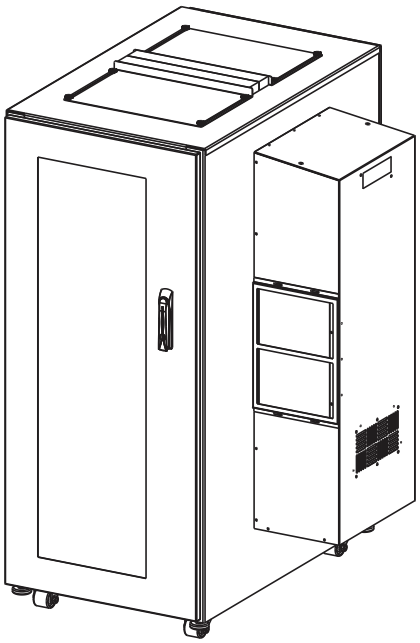
Bottom



Top (w/ gland plate open)

8,000 BTU Half Rack

DEFENDER™ server cabinets are an efficient, self-contained cooling system ideal for use in remote locations, wiring closets, and industrial environments that don't have cooling infrastructure already in place. Capable of providing up to 4 kW of cooling, these cabinets with NEMA rated air conditioners protect the delicate electronics inside from heat, dirt, moisture, and tampering. Simply put, these cabinets are a cost-effective alternative to installing a data center with a climate-controlled cooling system.



Part Number: DC-28U2436-AC8000-D

Cabinet | 28U Rack Space | 24" Wide | 36" Deep + AC Unit | 8,000 BTU

Please consider the following: what are the cooling needs of the equipment that will be housed in the cabinet, what is the height and width of the smallest door or elevator on the path to installation, what is the size of the room where the cabinet will reside, and is there a dedicated receptacle -in the room- capable of handling the power needs of an AC unit. For retrofit jobs; the condition of the existing equipment, the type of rack it is currently housed in, and most importatnly the length of service loop, if any, of the existing cable.

Cabinet Features

- Welded 12-gauge steel frame with 2000 static load capacity
- 28U rack space with square hole rails
- 36" depth standard 30" and 42" depths available
- Fully gasketed locking front and rear doors
- Gland plate in top for cable entry/exit
- Remote monitoring capability
- Compatible with 8,000 BTU AC units
- Cooling capacity approximately 2.6 kW

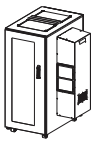
AC Features

- Designed to mount on the side of the enclosure while maintaining NEMA 12, 3R, 4, or 4X integrity.
- 120V / 8,000 BTU
- Digital temperature controller with alarm
- Built-in condensate evaporator
- Efficient, quiet, long lasting rotary compressor
- Environment friendly HFC refrigerant
- Easy pull-out filter
- UL Listed

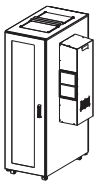
Complete Defender Line

Half Rack
3,000 BTU
~1.0 kW cooling

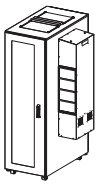
Half Rack
6,000 BTU
~2.0 kW cooling



Half Rack
8,000 BTU
~2.6 kW cooling

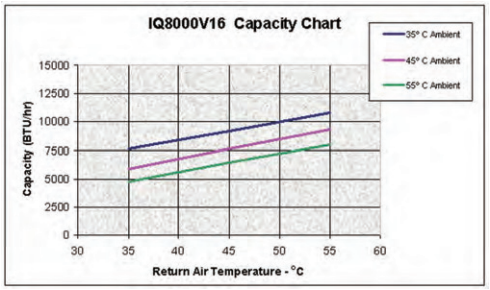


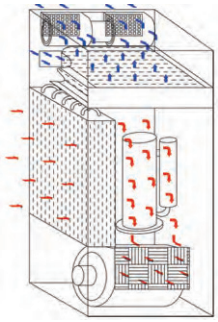
Full Rack
8,000 BTU
~2.6 kW cooling



Full Rack
12,000 BTU
~4.0 kw cooling

AC Unit





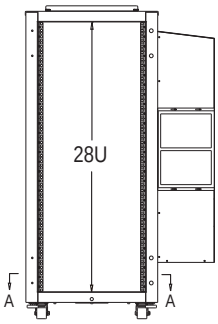
Conditioned Enclosure Air Flow

Ambient Air Flow

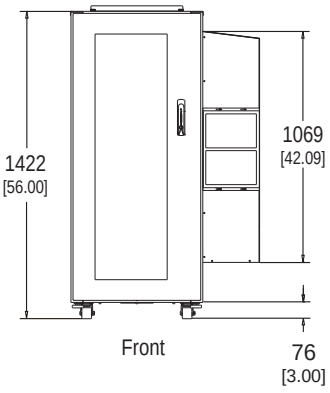
Volts*	BTU / Watts	Max Amps	Max Temp	Weight	HxWxD mm [“]
120	8,000 / 2345	13.7	131°F / 55°C	105 lbs. / 47.6 kg,	1069 x 404 x 263 [42.09 x 15.93 x 10.34]

*AC unit available in 230V if required. Ask sales representative for details.

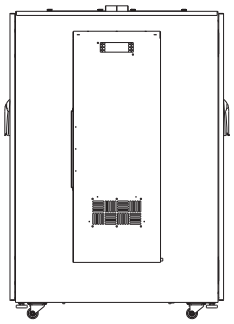
Technical Specifications



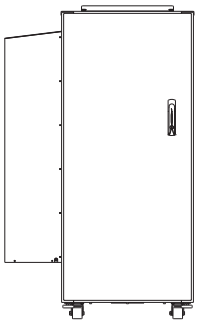
Front (w/o door)



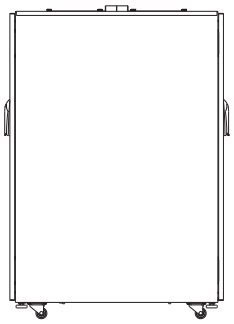
Front



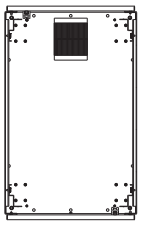
Right Side



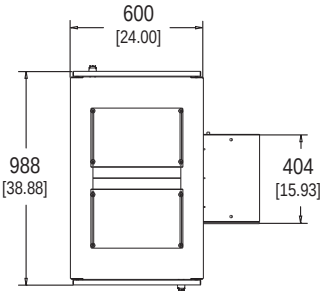
Back



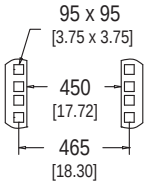
Left Side



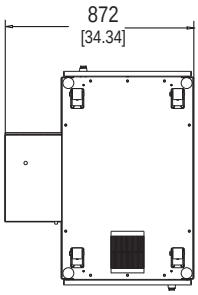
Section A-A



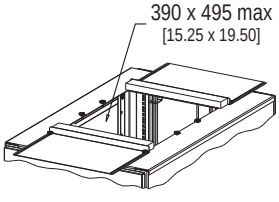
Top



Mounting Dimension



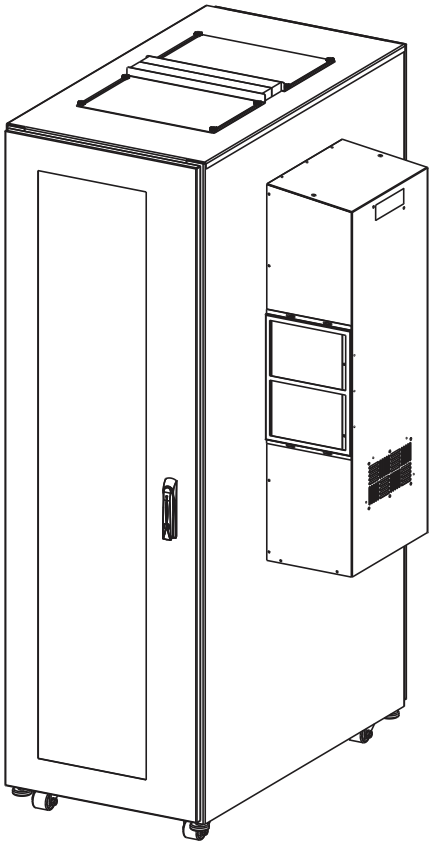
Bottom



Top (w/ gland plate open)

8,000 BTU Full Rack

DEFENDER™ server cabinets are an efficient, self-contained cooling system ideal for use in remote locations, wiring closets, and industrial environments that don't have cooling infrastructure already in place. Capable of providing up to 4 kW of cooling, these cabinets with NEMA rated air conditioners protect the delicate electronics inside from heat, dirt, moisture, and tampering. Simply put, these cabinets are a cost-effective alternative to installing a data center with a climate-controlled cooling system.



Part Number: DC-40U2442-AC8000-D

Cabinet | 40U Rack Space | 24" Wide | 42" Deep + AC Unit | 8,000 BTU

Please consider the following: what are the cooling needs of the equipment that will be housed in the cabinet, what is the height and width of the smallest door or elevator on the path to installation, what is the size of the room where the cabinet will reside, and is there a dedicated receptacle -in the room- capable of handling the power needs of an AC unit. For retrofit jobs; the condition of the existing equipment, the type of rack it is currently housed in, and most importatnly the length of service loop, if any, of the existing cable.

Cabinet Features

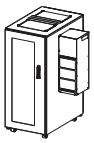
- Welded 12-gauge steel frame with 2000 static load capacity
- 40U rack space with square hole rails
- 42" depth standard 30" and 36" depths available
- Fully gasketed locking front and rear doors
- Gland plate in top for cable entry/exit
- Remote monitoring capability
- Compatible with 8,000 BTU AC units
- Cooling capacity approximately 2.6 kW

AC Features

- Designed to mount on the side of the enclosure while maintaining NEMA 12, 3R, 4, or 4X integrity.
- 120V / 8,000 BTU
- Digital temperature controller with alarm
- Built-in condensate evaporator
- Efficient, quiet, long lasting rotary compressor
- Environment friendly HFC refrigerant
- Easy pull-out filter
- UL Listed

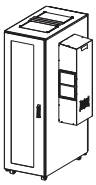
Complete Defender Line

Half Rack
3,000 BTU
~1.0 kW cooling

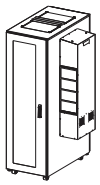


Half Rack
6,000 BTU
~2.0 kW cooling

Half Rack
8,000 BTU
~2.6 kW cooling

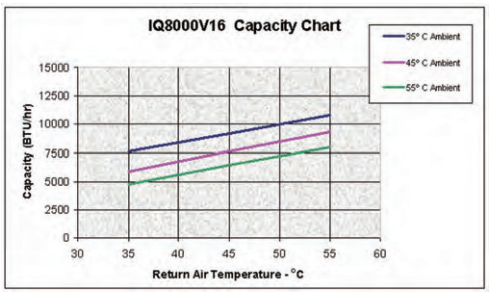


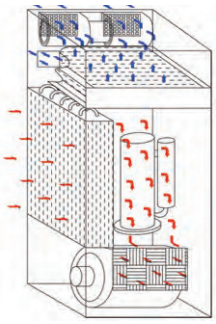
Full Rack
8,000 BTU
~2.6 kW cooling



Full Rack
12,000 BTU
~4.0 kw cooling

AC Unit





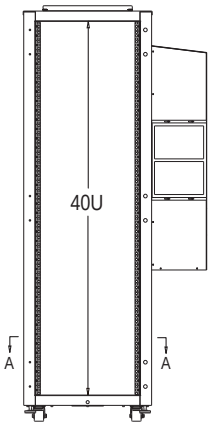
Conditioned Enclosure Air Flow

Ambient Air Flow

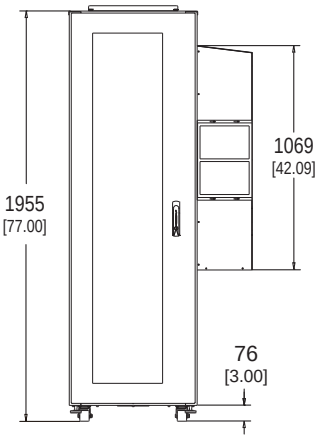
Volts*	BTU / Watts	Max Amps	Max Temp	Weight	HxWxD mm [“]
120	8,000 / 2345	13.7	131°F / 55°C	105 lbs. / 47.6 kg,	1069 x 404 x 263 [42.09 x 15.93 x 10.34]

*AC unit available in 230V if required. Ask sales representative for details.

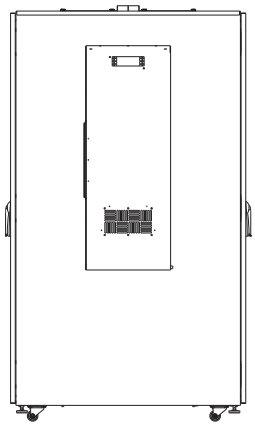
Technical Specifications



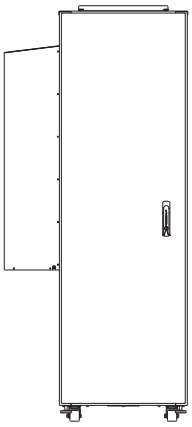
Front (w/o door)



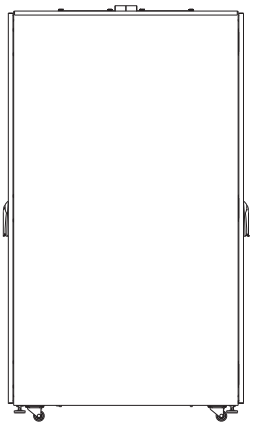
Front



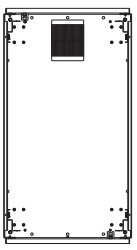
Right Side



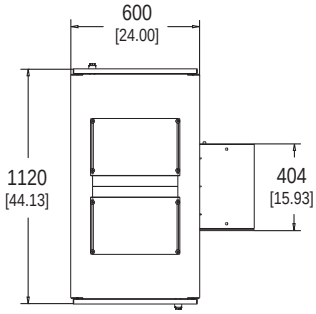
Back



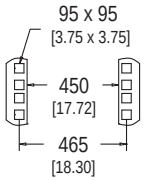
Left Side



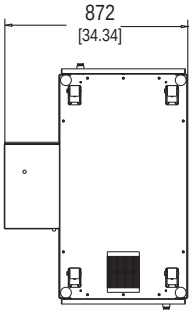
Section A-A



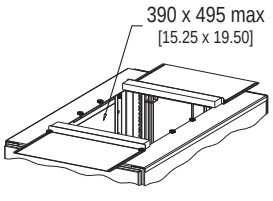
Top



Mounting Dimension



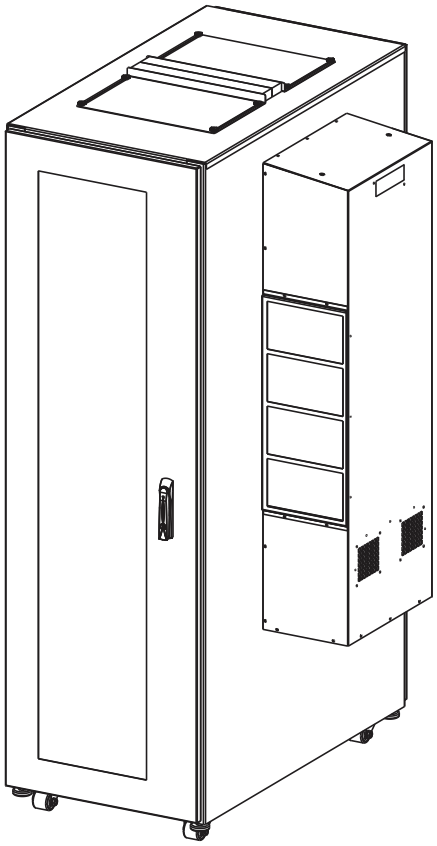
Bottom



Top (w/ gland plate open)

12,000 BTU Full Rack

DEFENDER™ server cabinets are an efficient, self-contained cooling system ideal for use in remote locations, wiring closets, and industrial environments that don't have cooling infrastructure already in place. Capable of providing up to 4 kW of cooling, these cabinets with NEMA rated air conditioners protect the delicate electronics inside from heat, dirt, moisture, and tampering. Simply put, these cabinets are a cost-effective alternative to installing a data center with a climate-controlled cooling system.



Part Number: DC-40U2442-AC12000-D

Cabinet | 40U Rack Space | 24" Wide | 42" Deep + AC Unit | 12,000 BTU

Please consider the following: what are the cooling needs of the equipment that will be housed in the cabinet, what is the height and width of the smallest door or elevator on the path to installation, what is the size of the room where the cabinet will reside, and is there a dedicated receptacle -in the room- capable of handling the power needs of an AC unit. For retrofit jobs; the condition of the existing equipment, the type of rack it is currently housed in, and most importatnly the length of service loop, if any, of the existing cable.

Cabinet Features

- Welded 12-gauge steel frame with 2000 static load capacity
- 40U rack space with square hole rails
- 42" depth standard 30" and 36" depths available
- Fully gasketed locking front and rear doors
- Gland plate in top for cable entry/exit
- Remote monitoring capability
- Compatible with 12,000 BTU AC units
- Cooling capacity approximately 4.0 kW

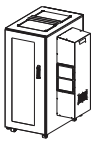
AC Features

- Designed to mount on the side of the enclosure while maintaining NEMA 12, 3R, 4, or 4X integrity.
- 120V / 12,000 BTU
- Digital temperature controller with alarm
- Built-in condensate evaporator
- Efficient, quiet, long lasting rotary compressor
- Environment friendly HFC refrigerant
- Easy pull-out filter
- UL Listed

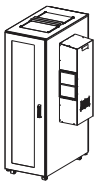
Complete Defender Line

Half Rack
3,000 BTU
~1.0 kW cooling

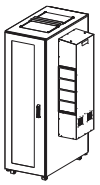
Half Rack
6,000 BTU
~2.0 kW cooling



Half Rack
8,000 BTU
~2.6 kW cooling

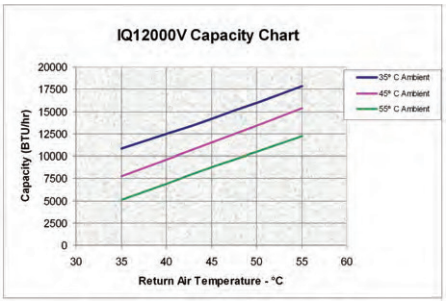


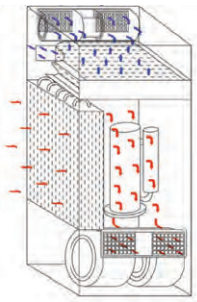
Full Rack
8,000 BTU
~2.6 kW cooling



Full Rack
12,000 BTU
~4.0 kw cooling

AC Unit





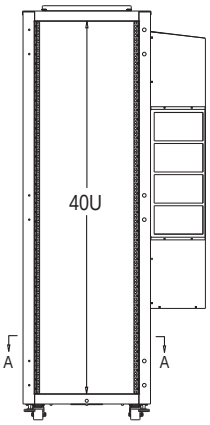
Conditioned Enclosure Air Flow

Ambient Air Flow

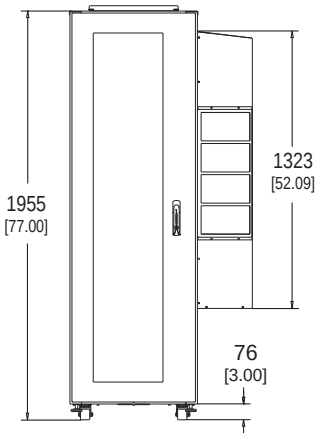
Volts*	BTU / Watts	Max Amps	Max Temp	Weight	HxWxD mm [“]
120	12,000 / 3517	19.6	131°F / 55°C	135 lbs. / 61.2 kg,	1323 x 448 x 263 [52.09 x 17.65 x 10.34]

*AC unit available in 230V if required. Ask sales representative for details.

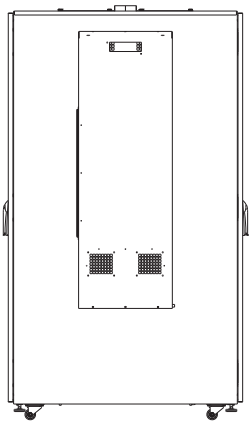
Technical Specifications



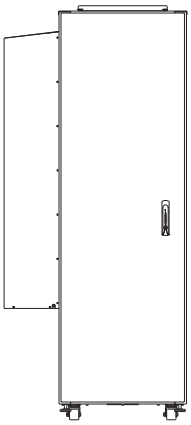
Front (w/o door)



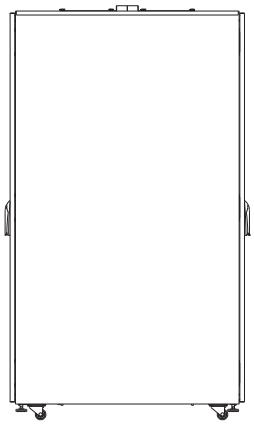
Front



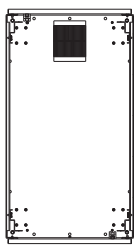
Right Side



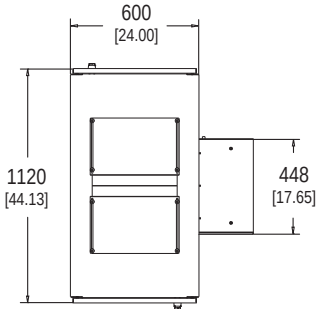
Back



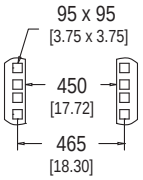
Left Side



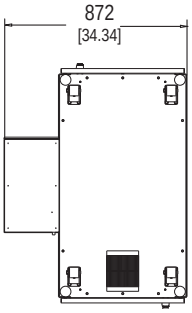
Section A-A



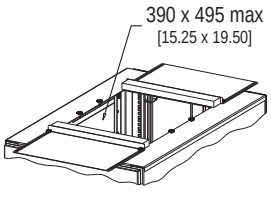
Top



Mounting Dimension



Bottom



Top (w/ gland plate open)