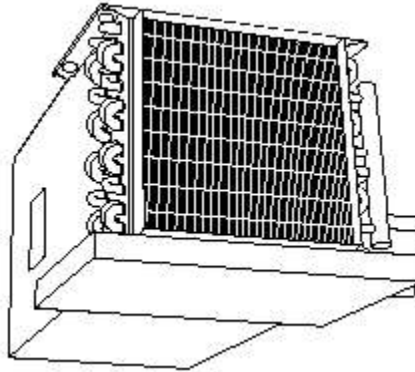


Unit Report For 42DC - Size 12

Project: UCF Tower FCUs
Prepared By:

11/18/2025
01:01PM



Unit Parameters

Tag Name: 42DC - Size 12
Quantity: 2
Unit Model: 42DCA12LLHU6AYFR
Unit Type: 42DC Ducted, Ceiling, Furred-In with Plenum
Unit Size: 1200 CFM
Shipping Options: Standard
Fan Speed: High
Motor/Drive: ECM Motor 3 Discrete Speed

Coil Parameters

System Type: 2-Pipe Cooling w/ Total Electric Heat
Cooling Coil: Cold Fluid Cooling
Cooling Coil Rows: 6 rows
Coil Hand: Left Hand
Hydronic Coil Test Pressure: 350 psig Coil Test Pressure

Electrical

Motor Voltage: 208-1-60 ECM V2 3-Speed w/
Potentiometer V-Ph-Hz
Heater Voltage: 208-1-60 V-Ph-Hz
Heater kW: 8 kW

Warranty Information

First Year - Parts Only (Standard)
Complete Unit 1st Year Carrier CCS Labor

Ordering Information

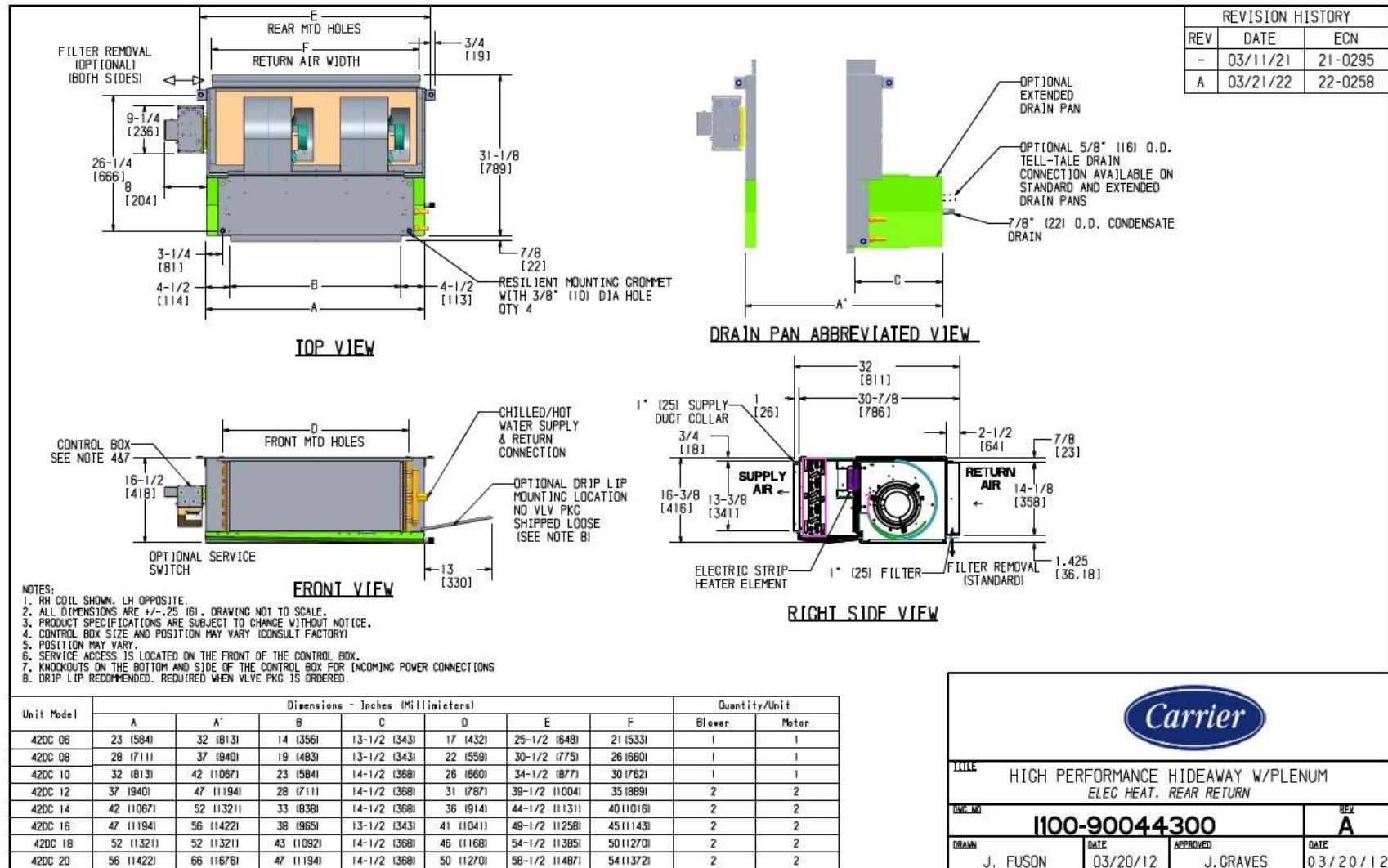
Part Number	Description	Quantity
Base Unit		
	42DCA12LLHU6AYFR	2
	42DCA12:Ducted, Ceiling, Furred-In with Plenum Fan Coil Unit 1200 CFM Cooling 208-1-60 ECM V2 3-Speed w/ Potentiometer	
	8 kW Electric Heat	
	Automatic air vents, 2-pipe	
	High Capacity, 6-Row, in lieu of standard 4-Row.	
	208-1-60 ECM V2 3 Discrete Speed with Potentiometer field speed adjustment	
	6.25A Fuse & J-Box Factory Furnished	
	Stainless Steel Coil Wrapper	
	24V Controls by other	
	Field Supplied Valves	

Not all valve components are rated for the selected Hydronic Coil Test Pressure. Refer to the valve component cut sheets in the Product Library, under Help.

Certified Drawing for 42DC - Size 12

Project: UCF Tower FCUs
Prepared By:

11/18/2025
01:01PM



Performance Summary For 42DC - Size 12

Project: UCF Tower FCUs
Prepared By:

11/18/2025
01:01PM

Unit Parameters

Tag Name: 42DC - Size 12
Quantity: 2
Unit Model: 42DCA12LLHU6AYFR
Unit Type: 42DC Ducted, Ceiling, Furred-In with Plenum
Unit Size: 1200 CFM
System Type: 2-Pipe Cooling w/ Total Electric Heat
Cooling Coil: Cold Fluid Cooling
Cooling Coil Rows: 6 rows
Heating Coil: Electric Heat
Coil Hand: Left Hand
Coil Wrapping: None
Shipping Options: Standard
Fan Speed: High
Motor/Drive: ECM Motor 3 Discrete Speed

Unit Performance

Actual Airflow: 1,201.0 CFM
Altitude: 0 ft
External Static Pressure: .50 in wg
Voltage: 208-1-60 ECM V2 3-Speed w/ Potentiometer V-
Ph-Hz

External Static Pressure includes 0 in wg for filter static.

Cooling Data

Coil Type: Cold Fluid Cooling
Coil Rows: 6 rows
Fluid Type: Fresh Water
Total Capacity: 33,917 BTU/hr
Sensible Capacity: 28,390 BTU/hr
Entering Air Dry Bulb Temperature: 76.7 F
Entering Air Wet Bulb Temperature: 64.0 F
Leaving Air Dry Bulb Temperature: 55.2 F
Leaving Air Wet Bulb Temperature: 54.5 F
Fluid Flow Rate: 3.3 gpm
Fluid Pressure Drop: 2.80 ft wg
Fluid Entering Temperature: 42.0 F
Fluid Leaving Temperature: 62.4 F

Electric Heating Data

Coil Type: Electric Heat
Voltage: 208-1-60 V-Ph-Hz
Sensible Capacity: 27,296 BTU/hr
Entering Air Temperature: 60.0 F
Leaving Air Temperature: 81.0 F
kW: 8 kW

Electrical Data

Motor Voltage: 208-1-60 ECM V2 3-Speed w/ Potentiometer V-Ph-Hz
Motor FLA: 3.7
Unit MCA: 52.75
MFS: 60

Acoustical Data:

Octave Band Center Frequency, Hz	125	250	500	1k	2k	4k	8k	dBA
Sound Power Data								
Radiated Sound Power, dB	59	56	56	54	51	44	34	63
Discharge Sound Power, dB	54	49	48	47	44	38	30	58

Factory-Installed Options

Unit Arrangement: Rear Return / Front Supply
Filters: Std 1 in. Throwaway
Drain Pans: Stainless Steel Standard Drain Pan
Coil Hand: Left Hand
AAV / Drains: Automatic Air Vents only
Control Packages: 24V Controls by other
Insulation: Std. Fiberglass Insulation

Performance Summary For 42DC - Size 12

Project: UCF Tower FCUs
Prepared By:

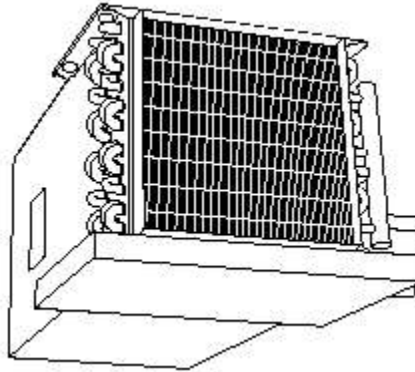
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Packaging:.....Units shipped on treated wood pallet
Single Power Source:.....6.25A Fuse & J-Box Factory Furnished
Hydronic Coil Test Pressure:.....350 psig Coil Test Pressure

Unit Report For 42DC - Size 14

Project: UCF Tower FCUs
Prepared By:

11/18/2025
01:01PM



Unit Parameters

Tag Name: 42DC - Size 14
Quantity: 2
Unit Model: 42DCA14LRHU6AYFR
Unit Type: 42DC Ducted, Ceiling, Furred-In with Plenum
Unit Size: 1400 CFM
Shipping Options: Standard
Fan Speed: High
Motor/Drive: ECM Motor 3 Discrete Speed

Coil Parameters

System Type: 2-Pipe Cooling w/ Total Electric Heat
Cooling Coil: Cold Fluid Cooling
Cooling Coil Rows: 6 rows
Coil Hand: Right Hand
Hydronic Coil Test Pressure: 350 psig Coil Test Pressure

Electrical

Motor Voltage: 208-1-60 ECM V2 3-Speed w/
Potentiometer V-Ph-Hz
Heater Voltage: 208-1-60 V-Ph-Hz
Heater kW: 8 kW

Warranty Information

First Year - Parts Only (Standard)
Complete Unit 1st Year Carrier CCS Labor

Ordering Information

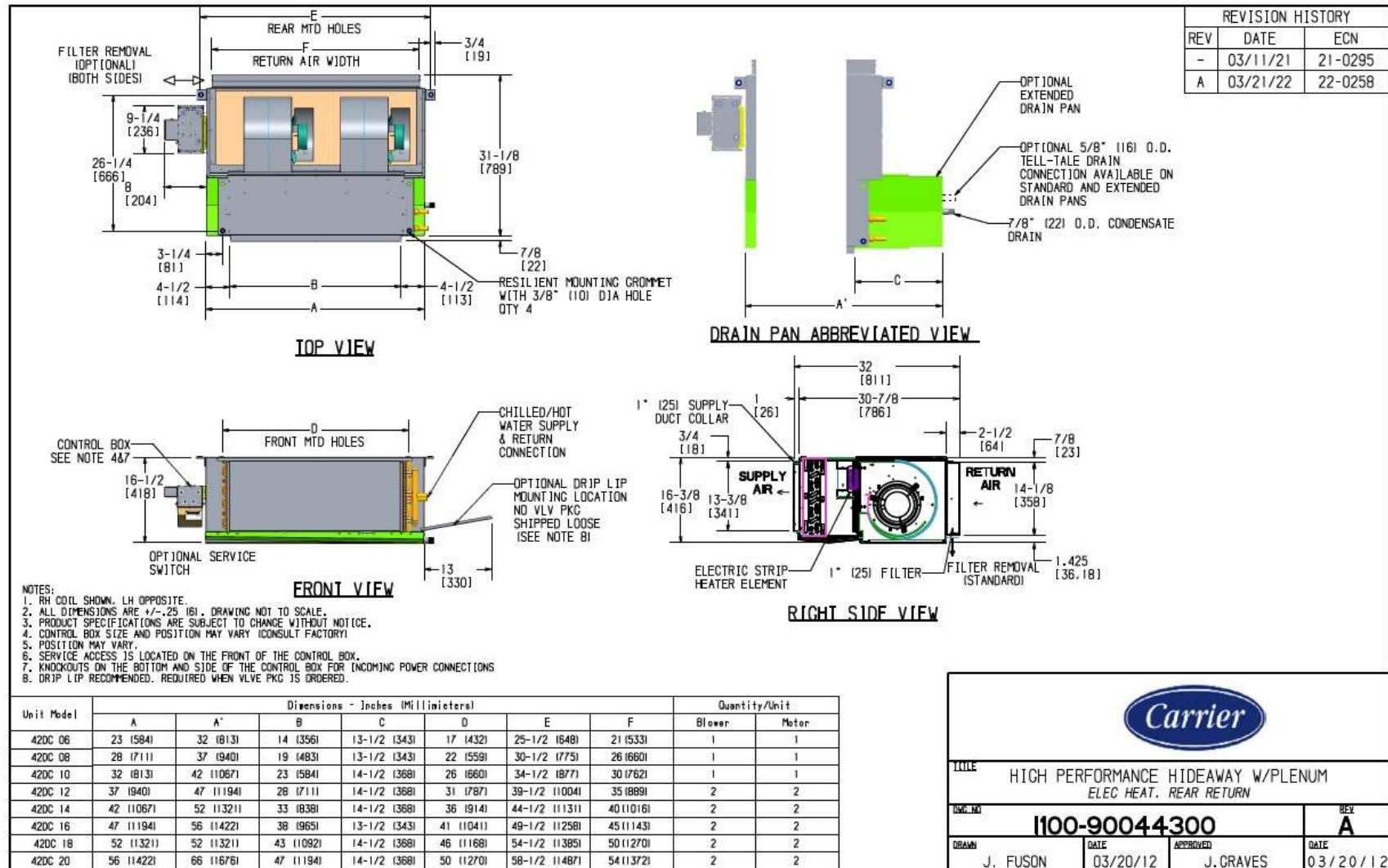
Part Number	Description	Quantity
Base Unit		
	42DCA14LRHU6AYFR	2
	42DCA14:Ducted, Ceiling, Furred-In with Plenum Fan Coil Unit 1400 CFM Cooling 208-1-60 ECM V2 3-Speed w/ Potentiometer	
	8 kW Electric Heat	
	Automatic air vents, 2-pipe	
	High Capacity, 6-Row, in lieu of standard 4-Row.	
	208-1-60 ECM V2 3 Discrete Speed with Potentiometer field speed adjustment	
	6.25A Fuse & J-Box Factory Furnished	
	Stainless Steel Coil Wrapper	
	24V Controls by other	
	Field Supplied Valves	

Not all valve components are rated for the selected Hydronic Coil Test Pressure. Refer to the valve component cut sheets in the Product Library, under Help.

Certified Drawing for 42DC - Size 14

Project: UCF Tower FCUs
Prepared By:

11/18/2025
01:01PM



Performance Summary For 42DC - Size 14

Project: UCF Tower FCUs
Prepared By:

11/18/2025
01:01PM

Unit Parameters

Tag Name: 42DC - Size 14
Quantity: 2
Unit Model: 42DCA14LRHU6AYFR
Unit Type: 42DC Ducted, Ceiling, Furred-In with Plenum
Unit Size: 1400 CFM
System Type: 2-Pipe Cooling w/ Total Electric Heat
Cooling Coil: Cold Fluid Cooling
Cooling Coil Rows: 6 rows
Heating Coil: Electric Heat
Coil Hand: Right Hand
Coil Wrapping: None
Shipping Options: Standard
Fan Speed: High
Motor/Drive: ECM Motor 3 Discrete Speed

Unit Performance

Actual Airflow: 1,467.0 CFM
Altitude: 0 ft
External Static Pressure: .50 in wg
Voltage: 208-1-60 ECM V2 3-Speed w/ Potentiometer V-
Ph-Hz

External Static Pressure includes 0 in wg for filter static.

Cooling Data

Coil Type: Cold Fluid Cooling
Coil Rows: 6 rows
Fluid Type: Fresh Water
Total Capacity: 42,653 BTU/hr
Sensible Capacity: 35,162 BTU/hr
Entering Air Dry Bulb Temperature: 76.7 F
Entering Air Wet Bulb Temperature: 64.0 F
Leaving Air Dry Bulb Temperature: 54.9 F
Leaving Air Wet Bulb Temperature: 54.2 F
Fluid Flow Rate: 5.0 gpm
Fluid Pressure Drop: 2.10 ft wg
Fluid Entering Temperature: 42.0 F
Fluid Leaving Temperature: 58.9 F

Electric Heating Data

Coil Type: Electric Heat
Voltage: 208-1-60 V-Ph-Hz
Sensible Capacity: 27,296 BTU/hr
Entering Air Temperature: 60.0 F
Leaving Air Temperature: 77.2 F
kW: 8 kW

Electrical Data

Motor Voltage: 208-1-60 ECM V2 3-Speed w/ Potentiometer V-Ph-Hz
Motor FLA: 4.9
Unit MCA: 54.25
MFS: 60

Acoustical Data:

Octave Band Center Frequency, Hz	125	250	500	1k	2k	4k	8k	dBA
Sound Power Data								
Radiated Sound Power, dB	62	58	58	56	53	46	37	66
Discharge Sound Power, dB	58	54	51	51	48	42	31	61

Factory-Installed Options

Unit Arrangement: Rear Return / Front Supply
Filters: Std 1 in. Throwaway
Drain Pans: Stainless Steel Standard Drain Pan
Coil Hand: Right Hand
AAV / Drains: Automatic Air Vents only
Control Packages: 24V Controls by other
Insulation: Std. Fiberglass Insulation

Performance Summary For 42DC - Size 14

Project: UCF Tower FCUs
Prepared By:

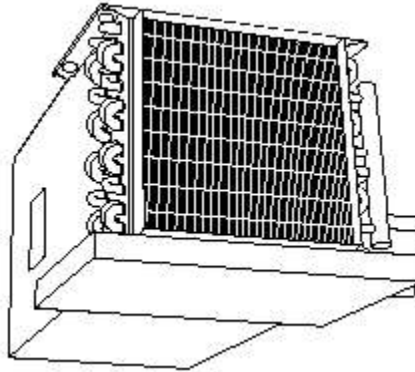
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Packaging:.....Units shipped on treated wood pallet
Single Power Source:.....6.25A Fuse & J-Box Factory Furnished
Hydronic Coil Test Pressure:.....350 psig Coil Test Pressure

Unit Report For 42DC - Size 10

Project: UCF Tower FCUs
Prepared By:

11/18/2025
01:01PM



Unit Parameters

Tag Name: 42DC - Size 10
Quantity: 2
Unit Model: 42DCA10LLHR6AYFR
Unit Type: 42DC Ducted, Ceiling, Furred-In with Plenum
Unit Size: 1000 CFM
Shipping Options: Standard
Fan Speed: High
Motor/Drive: ECM Motor 3 Discrete Speed

Coil Parameters

System Type: 2-Pipe Cooling w/ Total Electric Heat
Cooling Coil: Cold Fluid Cooling
Cooling Coil Rows: 6 rows
Coil Hand: Left Hand
Hydronic Coil Test Pressure: 350 psig Coil Test Pressure

Electrical

Motor Voltage: 208-1-60 ECM V2 3-Speed w/
Potentiometer V-Ph-Hz
Heater Voltage: 208-1-60 V-Ph-Hz
Heater kW: 7 kW

Warranty Information

First Year - Parts Only (Standard)
Complete Unit 1st Year Carrier CCS Labor

Ordering Information

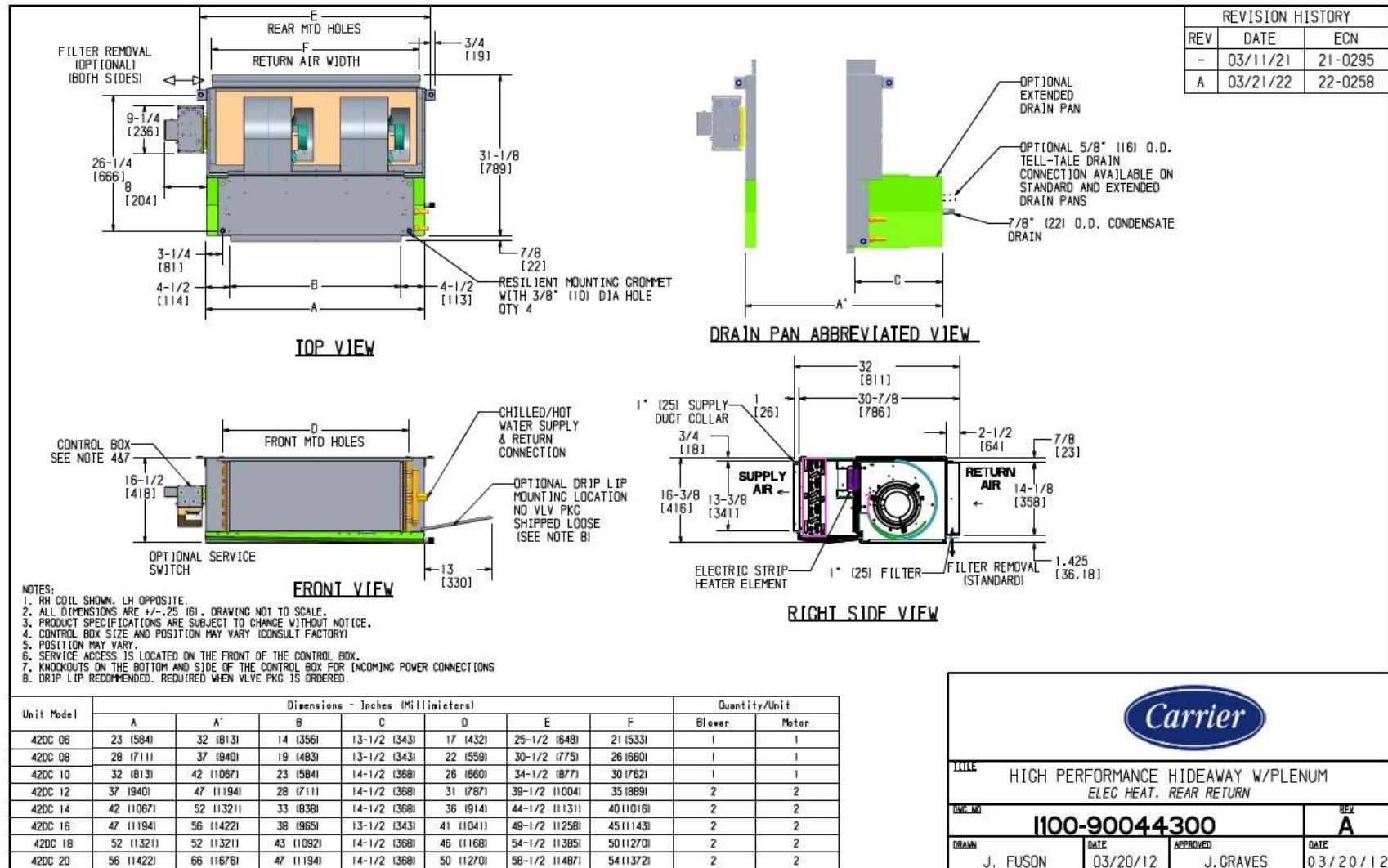
Part Number	Description	Quantity
Base Unit		
	42DCA10LLHR6AYFR	2
	42DCA10:Ducted, Ceiling, Furred-In with Plenum Fan Coil Unit 1000 CFM Cooling 208-1-60 ECM V2 3-Speed w/ Potentiometer	
	7 kW Electric Heat	
	Automatic air vents, 2-pipe	
	High Capacity, 6-Row, in lieu of standard 4-Row.	
	208-1-60 ECM V2 3 Discrete Speed with Potentiometer field speed adjustment	
	6.25A Fuse & J-Box Factory Furnished	
	Stainless Steel Coil Wrapper	
	24V Controls by other	
	Field Supplied Valves	

Not all valve components are rated for the selected Hydronic Coil Test Pressure. Refer to the valve component cut sheets in the Product Library, under Help.

Certified Drawing for 42DC - Size 10

Project: UCF Tower FCUs
Prepared By:

11/18/2025
01:01PM



Performance Summary For 42DC - Size 10

Project: UCF Tower FCUs
Prepared By:

11/18/2025
01:01PM

Unit Parameters

Tag Name: 42DC - Size 10
Quantity: 2
Unit Model: 42DCA10LLHR6AYFR
Unit Type: 42DC Ducted, Ceiling, Furred-In with Plenum
Unit Size: 1000 CFM
System Type: 2-Pipe Cooling w/ Total Electric Heat
Cooling Coil: Cold Fluid Cooling
Cooling Coil Rows: 6 rows
Heating Coil: Electric Heat
Coil Hand: Left Hand
Coil Wrapping: None
Shipping Options: Standard
Fan Speed: High
Motor/Drive: ECM Motor 3 Discrete Speed

Unit Performance

Actual Airflow: 958.0 CFM
Altitude: 0 ft
External Static Pressure: .50 in wg
Voltage: 208-1-60 ECM V2 3-Speed w/ Potentiometer V-
Ph-Hz

External Static Pressure includes 0 in wg for filter static.

Cooling Data

Coil Type: Cold Fluid Cooling
Coil Rows: 6 rows
Fluid Type: Fresh Water
Total Capacity: 28,664 BTU/hr
Sensible Capacity: 23,320 BTU/hr
Entering Air Dry Bulb Temperature: 76.7 F
Entering Air Wet Bulb Temperature: 64.0 F
Leaving Air Dry Bulb Temperature: 54.6 F
Leaving Air Wet Bulb Temperature: 53.9 F
Fluid Flow Rate: 3.3 gpm
Fluid Pressure Drop: 2.50 ft wg
Fluid Entering Temperature: 42.0 F
Fluid Leaving Temperature: 59.2 F

Electric Heating Data

Coil Type: Electric Heat
Voltage: 208-1-60 V-Ph-Hz
Sensible Capacity: 23,884 BTU/hr
Entering Air Temperature: 60.0 F
Leaving Air Temperature: 83.1 F
kW: 7 kW

Electrical Data

Motor Voltage: 208-1-60 ECM V2 3-Speed w/ Potentiometer V-Ph-Hz
Motor FLA: 3.6
Unit MCA: 46.63
MFS: 50

Acoustical Data:

Octave Band Center Frequency, Hz	125	250	500	1k	2k	4k	8k	dBA
Sound Power Data								
Radiated Sound Power, dB	66	61	57	53	51	45	36	65
Discharge Sound Power, dB	60	54	51	51	48	43	33	62

Factory-Installed Options

Unit Arrangement: Rear Return / Front Supply
Filters: Std 1 in. Throwaway
Drain Pans: Stainless Steel Standard Drain Pan
Coil Hand: Left Hand
AAV / Drains: Automatic Air Vents only
Control Packages: 24V Controls by other
Insulation: Std. Fiberglass Insulation

Performance Summary For 42DC - Size 10

Project: UCF Tower FCUs
Prepared By:

11/18/2025
01:01PM

Packaging:.....Units shipped on treated wood pallet
Single Power Source:.....6.25A Fuse & J-Box Factory Furnished
Hydronic Coil Test Pressure:.....350 psig Coil Test Pressure