




Smith + Andersen

1100 – 100 Sheppard Ave. East, Toronto ON, M2N 6N5

416 487 8151 f 416 487 9104 smithandandersen.com

SHOP DRAWING SUBMITTAL REVIEW FORM

| | | | |
|--|--|---|--|
|  | | SHOP DRAWING REVIEW S+A Project No. 14008.021.E.001 | |
| <small>This review is for the sole purpose of ascertaining conformance with the general design concept and for general arrangement. This shall not mean approval of the detail design inherent in the shop drawings, responsibility for which shall remain with the Contractor and such review shall not relieve the Contractor of their responsibility for errors or omissions in the shop drawings or of their responsibility for meeting all requirements of the Contract Documents. The Contractor is responsible for dimensions to be confirmed and correlated at the job site for information that pertains solely to fabrication processes, quantities or the techniques of construction and installation and for coordination with related work. This form is a record of transmittal to return the documents to the individual noted above.</small> | | | |
| SHOP DRAWING NO.: SDR E-02 | | DATE: 2024-12-03 | |
| REVIEWED BY: Colin.Hodder | | | |
| <input type="checkbox"/> REVIEWED <input checked="" type="checkbox"/> REVIEWED WITH COMMENTS <input type="checkbox"/> RESUBMIT | | | |

General Comments

General comments below shall be read in conjunction with shop drawing review comments and mark-ups made on the submittal attached herewith.

FHP-D03:
- Reviewed for electrical requirements.

FHP-D06:
- Reviewed for electrical requirements.

FHP-D08:
- Reviewed for electrical requirements.

MECHANICAL SHOP DRAWINGS

PROJECT: York Region Administrative
Centre – Interior Fit-up
Package ‘D’

17250 Yonge Street,
Newmarket, Ontario
L3R 0T5

| | | | |
|--|--------------------------|----------------------|-------------------------------------|
| Reviewed | <input type="checkbox"/> | Reviewed as Modified | <input checked="" type="checkbox"/> |
| Not Reviewed | <input type="checkbox"/> | Revise and Resubmit | <input type="checkbox"/> |
| <p>This review is for conformance with the general design intent only and does not change the intent of the Contract Documents. Responsibility for errors or omissions in the shop drawings, details, co-ordination and dimensioning remains solely with the Contractor.</p> | | | |
| <p>GPY+ Associates Engineering Inc.</p> | | | |
| <p>Name: <u>Sherwin Reyes</u></p> | | | |
| <p>Date: <u>November 25, 2024</u></p> | | | |

PROJECT NO.: GPY-9920

| | |
|-------------------|------------------|
| Shop Drawing No.: | M-1 |
| Product: | Fan Coil Units |
| Supplier: | Johnson Controls |

Comments:

1. Fan coil total quantity have been revised to 121 units due to addition of FCU-4.38.
2. Fan coil units FCU-4.29, FCU-4.30 & FCU-4.32 model have been changed to FHP-D03 (A CCN will be issued)
3. Fan coil FCU-4.38 model FHP-D03 has been added. (A CCN will be issued)
4. Fan coil FCU-4.02 & FCU-4.03 model shall be FHP-D06 with rear return & filter size of 31x10.5x1. Provide solid bottom ceiling access panel for drywall ceiling installation.
5. Fan coil FCU-4.01 model shall be FHP-D08 with rear return & filter size of 19x10.5x1. Provide solid bottom ceiling access panel for drywall ceiling installation.
6. Fan coil unit model FHP-D03: **Acceptable.** Condensate overflow float switch installed on drain pan shall be interlocked with fan coil unit and wired to BMS. All fan coil drain pans & outlet shall be covered and protected from any debris/ dust accumulation during construction phase. Ensure all fan coil unit notes on drawing no. M-101, M-104, M-105, M-209, M-211, M-213 & M-215 regarding filter rack size and location, etc., are followed. Provide required piping, valves, unions, P/T ports & Y Strainers, etc, for a fully functional system. Contractor to provide a mock-up of horizontal fan coil unit for York Region’s PM, Operations Team & Consultants review & comments. Installation of fan coil unit shall not proceed without approval from York Region’s PM, Operations Team & Consultants.
7. Fan coil unit model FHP-D06: **Acceptable.** Condensate overflow float switch installed on drain pan shall be interlocked with fan coil unit and wired to BMS. All fan coil drain pans & outlet shall be covered and protected from any debris/ dust accumulation during construction phase. Ensure all fan coil unit notes on drawing no. M-101, M-104, M-105, M-209, M-211, M-213 & M-215 regarding filter rack size and location, etc., are followed. Provide required piping, valves, unions, P/T ports & Y Strainers, etc, for a fully functional system. Contractor to provide a mock-up of horizontal fan coil unit for York Region’s PM,

Operations Team & Consultants review & comments. Installation of fan coil unit shall not proceed without approval from York Region's PM, Operations Team & Consultants.

- 8. Fan coil unit model FHP-D08: Acceptable. Condensate overflow float switch installed on drain pan shall be interlocked with fan coil unit and wired to BMS. All fan coil drain pans & outlet shall be covered and protected from any debris/ dust accumulation during construction phase. Ensure all fan coil unit notes on drawing no. M-101, M-104, M-105, M-209, M-211, M-213 & M-215 regarding filter rack size and location, etc., are followed. Provide required piping, valves, unions, P/T ports & Y Strainers, etc, for a fully functional system. Contractor to provide a mock-up of horizontal fan coil unit for York Region's PM, Operations Team & Consultants review & comments. Installation of fan coil unit shall not proceed without approval from York Region's PM, Operations Team & Consultants.**
- 9. Commissioning Consultant's comments:**
 - 9.1 Ensure fan coil total quantity as per drawings.**
 - 9.2 Contractor to advise manufacturer if left hand or right hand connections are required.**
 - 9.3 Equipment release form has not been completed.**
- 10. We recommend the shop drawings to be reviewed by electrical consultant for their comments.**



SUBMITTAL

| |
|--|
| TO: GPY + Associates Engineering Inc. – ATTN: Sherwin Reyes |
| PROJECT: York Region, Administration Building Package D Renovations |
| ADDRESS: 17250 Yonge Street, Newmarket, ON |
| INCLUDED: Mechanical Shop Drawing - Horizontal Fan Coil Units |
| SPEC DIV: 23 05 20 |

From: Trisect Construction Corporation
7-4020A Sladeview Crescent
Mississauga, ON L5L 6B1
Tom Butkovic / Ivan Lulic / Jay Cowie

The shop drawings included below have been:

- ☒ REVIEWED
- ☐ REVIEWED AS NOTED
- ☐ RESUBMIT
- ☐ REJECTED

Review of this submission is for compliance with the general intent of the contract. This review does not relieve the Sub-Contractor, Trade Contractor, Supplier or Manufacturer of the responsibility of meeting all requirements of the contract documents. Any deviation from the contract documents initiated by the Sub-Contractor, Trade Contractor, Supplier or Manufacturer shall be at his sole risk and responsibility. QUANTITIES AND DETAIL DIMENSIONS ARE THE SUBCONTRACTORS OR SUPPLIERS' RESPONSIBILITY. VERIFY THE DATA WITH FIELD DIMENSIONS AND CONDITIONS.

| | |
|--|-------------------------------|
| Per: Tom Butkovic Final review to be received by: G. Bruce Stratton Architects | Dated: November 7/2024 |
|--|-------------------------------|





54 Audia Court, Unit 2
Concord, ON L4K 3N5
(905)-738-1400

Submittal 24-277-001

| PROJECT NAME | PROJECT ADDRESS | DATE SUBMITTED |
|--|----------------------------------|----------------|
| YORK REGION VARIOUS PROJECTS 24-277 | 17250 Young Street Newmarket, ON | Nov 7, 2024 |
| TO | FROM | |
| Tom Butkovic | INZAMAN KHAN | |
| COMPANY | COMPANY | |
| TRISECT CONSTRUCTION | Consult Mechanical Inc. | |
| EMAIL | EMAIL | |
| tbutkovic@trisectionconstruction.com | inzaman@consultmechanical.com | |
| ADDRESS | ADDRESS | |
| 4020A SLADEVIEW cRESCENT, UNIT 7 MISSISSAUGA, ON L5L 6B1 | 54 Audia Court, Unit 2 | |
| JOB: 1300 INSLINGTON SUITE 103 | Concord, ON L4K 3N5 | |

Title

Horizontal Fan Coil Units

Description

FCUs

Package Items

| SPEC | SUBSECTION | ITEM | TYPE |
|------|------------|------|------|
|------|------------|------|------|



APPROVAL DRAWINGS

York Region- grd 2,3,4 renovations

SOLD TO:
Consult Mechanical.

CONSULTING ENGINEER:
GPY + Associates Engineering Inc.

Nov. 06, 2024
SUBMITTED BY JOHNSON CONTROLS L.P.

Bintao Li
HVAC Equipment Systems Application Specialist

Johnson Controls
56 Leek Crescent
Richmond Hill, ON, L4B 1H1
Mobile: 416-797-8649
Email : bintao.li@jci.com

York Region- grd 2,3,4 renovations

SUBMITTAL DRAWINGS

EQUIPMENT DESCRIPTION:

JCI HVAC BILL OF MATERIALS

| ITEM | QTY | TAG | SYSTEM DESCRIPTIONS |
|------|-----|---------------|--|
| I | 120 | FC-XX, FCU-XX | Horizontal Low Profile Plenum Return (FHP-D) |

ITEM I: Horizontal Low Profile Plenum Return (FHP-D)

• Items Included:

• Unit furnished with the following features:

- Galvanized steel construction
- 3/8" Elastomeric closed cell foam insulation
- 1-1/2" duct discharge collar
- Vibration isolator
- Return air duct collar
- Solid Ceiling Access Panel, Bright White
- ~~Ceiling Access Return Air Panel w/Telescoping Duct (FC-4.01, FC-4.02, FC-4.03)~~

• Drain Pan

- Galvanized steel drain pan
- Galvanized steel auxiliary drip pan

• Fan Assembly

- Forward curve, DWDI centrifugal type
- Quick disconnect motor connections
- Removal fan/motor deck for service
- ECM 3 speed Motor
- 3 speed adjustable motor control
- 208/1/60 voltage

• Coils

- Chilled water
- Hot water Coils (for few units)
- Seamless copper tubes
- Aluminum fins
- Galvanized casing
- Manual air vent
- Left hand connections

• Filters

- Integral filter rack
- 1" pleated MERV-13
- 1" pleated MERV-13 spare filter

• Electrical

- Single point power connection
- Terminal Block for field connections

121

PROVIDE SOLID
BOTTOM ACCESS
PANEL ONLY FOR
FCU-4.01, FCU-4.02
& FCU-4.03

- Fan relay package
- Control power transformers
- BC02 unit start/stop
- Drain pan float switch
- Toggle disconnect switch
- Discharge Air Sensor
- Unit mounted 3-speed fan switch with Off position
- Warranty
 - (1) Year Parts only warranty on entire unit - 18 months from shipment or 12 months from startup whichever occurs first
- Items NOT Included:
 - Unit startup
 - Hauling/rigging of equipment
 - Auxiliary drain pan
 - Piping, fittings or appurtenances
 - Control or power wiring
 - Integral condensate pump
 - Baked enamel finish
 - Outside air wall boxes

Note: All units submitted are with left hand connection, contractor needs to verify handling before release .



Project Name: York Region _ grd 2 3 4 renovations FCUS_R1
Location:
Consultant/Engineer:
Contractor:
Sold To:
P.O. No: PO

JCI Contract No: Contract #
Coil Version: 7.05b
Printed Date: 11/6/2024 8:37:38 AM
Selection Date: 7/15/2024 5:40:26 AM
Last Revision Date: 11/2/2024 11:24:51 AM

Performance Data Sheet

| Unit Tag | Qty | Model | Air Flow | Total Duty | Sensible Duty |
|--|-----|---------|----------|------------|---------------|
| FC-1.19, FC-1.21, FC-1.23, FC-1.27, FC-1.28, FC-1.30, FC-31, FC-1.35, FC-1.40, FC-1.41 | 10 | FHP-D03 | 246 CFM | 8,374 Btuh | 6,084 Btuh |

Unit Data

| | | | | |
|--|--------------------------|------------------------|------------------------|---------------------------|
| Model Size : 03 | (Fans) Speed : (1) High | Filter | : 1" Pleated (MERV 13) | Coil Tube Dia. [in.] 3/8 |
| Type : Horizontal Low Profile - Series D | (Motors) HP : (1) 1/4 | Filter (Qty) Size | : 19x10.5x1 | Coil Face Area [ft²] 1.07 |
| | Motor FLA : 0.7 | Filter Face Area [ft²] | 1.39 | Weight* [lb] 47 |
| | Motor Type : ECM-B | | | |
| | Capacity : Std. Capacity | | | |

Output Data

| | |
|--------------------------------|------------------------|
| Altitude [Ft.] | 913 |
| Air Flow Rate [CFM] | 246 |
| ESP [in.wg] | 0.38 |
| Chilled Water Coil Data | |
| EAT DB/WB [°F] | 80.0/ 67.0 |
| LAT DB/WB [°F] | 56.1/ 55.5 |
| Total Capacity [Btuh] | 8,374 |
| Sensible Capacity [Btuh] | 6,084 |
| EWT/LWT [°F] | 47.0/ 60.0 |
| Fluid Flow [gpm] | 1.30 |
| Fluid P.D [ft.wg] | 4.09 |
| Fluid Velocity [fps] | 1.90 |
| Rows / FPI / Circuits | 5 Row / 10 FPI / 2 Ckt |
| Coil Connection Size: [in.] | 0.875 |
| Heating Data | |
| EAT DB [°F] | - |
| LAT DB [°F] | - |
| Sensible Capacity [Btuh] | - |
| Rows / FPI / Circuits | - / - / - |

Options

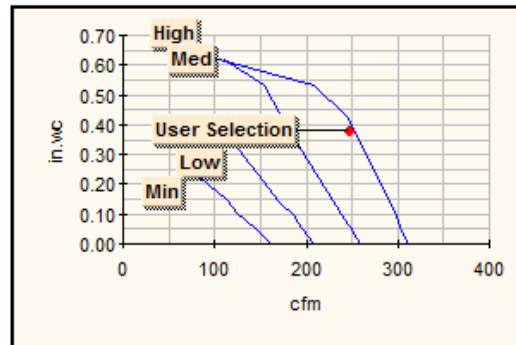
1" Pleated Spare Filter (MERV 13) (1)
Auxiliary Drip Pan- Galvanized Auxiliary Drip Pan
BC02 24V, Unit S/S Relay / Fan Op. Relay & Transformer
Discharge Air Sensor- OC026
Elastomeric Closed Cell Foam Insulation
Enclosure Mount- Unit Mounted
Galvanized Drain pan
Motor Control- 2-10 VDC (Sync)
OC011 Drain Pan Float Switch
OC012 Toggle Disconnect Switch - 15 amps
Return Air Options- Return: Rear Duct Collar
Solid Ceiling Access Panel, Bright White - Size 03
Thermostat Location- No Thermostat
Thermostat- No Thermostat
Vibration Isolation
Chilled Water Coil: Field Provided Piping Package Size - 1/2"
Chilled Water Coil:Galvanized Casing
Chilled Water Coil:Left Hand Connection
Chilled Water Coil:Manual Air Vent
Chilled Water Coil:Package Code- Field Provided by Others 1/2" Valve Package

| Special Quote (SQ)# | Special Quote (SQ)# | Special Quote (SQ)# | Special Quote (SQ)# |
|---------------------|---------------------|---------------------|---------------------|
|---------------------|---------------------|---------------------|---------------------|

| | |
|-----------------------------|----------------|
| Electrical Data | |
| Motor Voltage [V/P/HZ] | 208/1/60 ECM |
| Total Full Load Amps | : 0.70 |
| MCA / MSCP | : 0.88 / 15.00 |
| Fan Power Input [Watts@CFM] | 46.00 |

- * Unit weight includes unit with wet coil(s) as selected.
 - Does not include accessories
- Unit pressure drop and air flow based upon dry coil as required by AHRI-440.
- Sound data tested in accordance with AHRI-260-2012
- Sound Data Calculated at 246 CFM and 1462 RPM
- Scheduled motor information is for Fan Input Power at High Speed.
- For 0' altitude the coil selection has been made at Standard Conditions.

| Sound Data Calculated at 246 CFM and 1462 RPM | | | | | | | |
|---|-------|-------|-------|------|------|------|------|
| | 125Hz | 250Hz | 500Hz | 1kHz | 2kHz | 4kHz | 8kHz |
| Ducted Discharge | 58 | 58 | 53 | 53 | 48 | 44 | 35 |
| Casing Radiated Free Inlet | 58 | 60 | 56 | 54 | 48 | 43 | 37 |





Project Name: York Region _ grd 2 3 4 renovations FCUS_R1
Location:
Consultant/Engineer:
Contractor:
Sold To:
P.O. No: PO

JCI Contract No: Contract #
Coil Version: 7.05b
Printed Date: 11/6/2024 8:37:38 AM
Selection Date: 7/15/2024 5:52:02 AM
Last Revision Date: 7/31/2024 4:47:53 AM

Performance Data Sheet

| Unit Tag | Qty | Model | Air Flow | Total Duty | Sensible Duty |
|---|-----|---------|----------|-------------|---------------|
| FC-1.3, FC-1.4, FC-1.5, FC-1.14, FC-1.15, FC-1.16, FC-1.18, FC-1.20, FC-1.22, FC-1.24, FC-1.25, FC-1.33, FC-1.34, FC-1.36, FC-1.37, FC-1.38 | 16 | FHP-D06 | 395 CFM | 12,614 Btuh | 9,284 Btuh |

Unit Data

| | | | |
|--|--------------------------|-------------------------------|---------------------------|
| Model Size : 06 | (Fans) Speed : (2) High | Filter : 1" Pleated (MERV 13) | Coil Tube Dia. [in.] 3/8 |
| Type : Horizontal Low Profile - Series D | (Motors) HP : (1) 1/4 | Filter (Qty) Size : 31x10.5x1 | Coil Face Area [ft²] 1.72 |
| | Motor FLA : 1.2 | Filter Face Area [ft²] 2.26 | Weight* [lb] 69 |
| | Motor Type : ECM-B | | |
| | Capacity : Std. Capacity | | |

Output Data

| | | |
|---------------|---------|------|
| Altitude | [Ft.] | 913 |
| Air Flow Rate | [CFM] | 395 |
| ESP | [in.wg] | 0.50 |

Chilled Water Coil Data

| | | |
|-----------------------|---------|------------------------|
| EAT DB/WB | [°F] | 80.0/ 67.0 |
| LAT DB/WB | [°F] | 57.3/ 56.3 |
| Total Capacity | [Btuh] | 12,614 |
| Sensible Capacity | [Btuh] | 9,284 |
| EWT/LWT | [°F] | 47.0/ 58.7 |
| Fluid Flow | [gpm] | 2.20 |
| Fluid P.D | [ft.wg] | 3.38 |
| Fluid Velocity | [fps] | 2.20 |
| Rows / FPI / Circuits | : | 4 Row / 10 FPI / 3 Ckt |
| Coil Connection Size: | [in.] | 0.875 |

Heating Data

| | | |
|-----------------------|--------|-----------|
| EAT DB | [°F] | - |
| LAT DB | [°F] | - |
| Sensible Capacity | [Btuh] | - |
| Rows / FPI / Circuits | : | - / - / - |

Options

1" Pleated Spare Filter (MERV 13) (1)
Auxiliary Drip Pan- Galvanized Auxiliary Drip Pan
BC02 24V, Unit S/S Relay / Fan Op. Relay & Transformer
Discharge Air Sensor- OC026
Elastomeric Closed Cell Foam Insulation
Enclosure Mount- Unit Mounted
Galvanized Drain pan
Motor Control- 2-10 VDC (Sync)
OC011 Drain Pan Float Switch
OC012 Toggle Disconnect Switch - 15 amps
Return Air Options- Return: Rear Duct Collar
Solid Ceiling Access Panel, Bright White - Size 06
Thermostat Location- No Thermostat
Thermostat- No Thermostat
Vibration Isolation
Chilled Water Coil: Field Provided Piping Package Size - 1/2"
Chilled Water Coil:Galvanized Casing
Chilled Water Coil:Left Hand Connection
Chilled Water Coil:Manual Air Vent
Chilled Water Coil:Package Code- Field Provided by Others 1/2" Valve Package

Special Quote (SQ)#

Special Quote (SQ)#

Special Quote (SQ)#

Special Quote (SQ)#

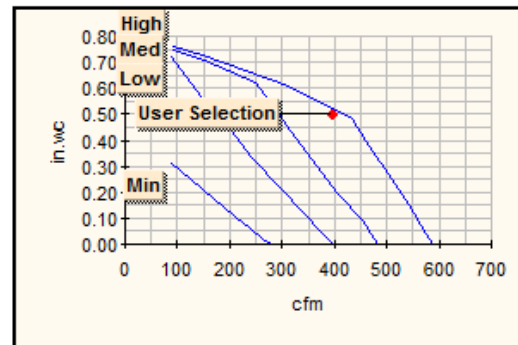
Electrical Data

| | | |
|----------------------|-------------|--------------|
| Motor Voltage | [V/P/HZ] | 208/1/60 ECM |
| Total Full Load Amps | : | 1.20 |
| MCA / MSCP | : | 1.50 / 15.00 |
| Fan Power Input | [Watts@CFM] | 91.00 |

Sound Data Calculated at 395 CFM and 1546 RPM

| | 125Hz | 250Hz | 500Hz | 1kHz | 2kHz | 4kHz | 8kHz |
|----------------------------|-------|-------|-------|------|------|------|------|
| Ducted Discharge | 60 | 58 | 55 | 55 | 51 | 45 | 37 |
| Casing Radiated Free Inlet | 62 | 64 | 59 | 58 | 52 | 47 | 41 |

- * Unit weight includes unit with wet coil(s) as selected.
 - Does not include accessories
- Unit pressure drop and air flow based upon dry coil as required by AHRI-440.
- Sound data tested in accordance with AHRI-260-2012
- Sound Data Calculated at 395 CFM and 1546 RPM
- Scheduled motor information is for Fan Input Power at High Speed.
- For 0' altitude the coil selection has been made at Standard Conditions.





Project Name: York Region _ grd 2 3 4 renovations FCUS_R1
Location:
Consultant/Engineer:
Contractor:
Sold To:
P.O. No: PO

JCI Contract No: Contract #
Coil Version: 7.05b
Printed Date: 11/6/2024 8:37:38 AM
Selection Date: 7/15/2024 6:44:11 AM
Last Revision Date: 7/31/2024 4:48:25 AM

Performance Data Sheet

| | | | | | |
|---|-----|---------|----------|-------------|---------------|
| Unit Tag | Qty | Model | Air Flow | Total Duty | Sensible Duty |
| FC-1.1, FC-1.2, FC-1.6, FC-1.7, FC-1.8, FC-1.9, FC-1.10, FC-1.11, FC-1.12, FC-1.13, FC-1.17, FC-1.26, FC-1.29, FC-1.32, FC-1.39 | 15 | FHP-D08 | 501 CFM | 17,624 Btuh | 12,624 Btuh |

Unit Data

| | | | |
|--|--------------------------|-----------------------------------|---------------------------|
| Model Size : 08 | (Fans) Speed : (2) High | Filter : 1" Pleated (MERV 13) | Coil Tube Dia. [in.] 3/8 |
| Type : Horizontal Low Profile - Series D | (Motors) HP : (1) 1/4 | Filter (Qty) Size : (2) 19x10.5x1 | Coil Face Area [ft²] 2.11 |
| | Motor FLA : 1.2 | Filter Face Area [ft²] 2.77 | Weight* [lb] 89 |
| | Motor Type : ECM-B | | |
| | Capacity : Std. Capacity | | |

Output Data

| | | |
|---------------|---------|------|
| Altitude | [Ft.] | 913 |
| Air Flow Rate | [CFM] | 501 |
| ESP | [in.wg] | 0.38 |

Chilled Water Coil Data

| | | |
|-----------------------|---------|------------------------|
| EAT DB/WB | [°F] | 80.0/ 67.0 |
| LAT DB/WB | [°F] | 55.6/ 55.1 |
| Total Capacity | [Btuh] | 17,624 |
| Sensible Capacity | [Btuh] | 12,624 |
| EWT/LWT | [°F] | 47.0/ 59.7 |
| Fluid Flow | [gpm] | 2.80 |
| Fluid P.D | [ft.wg] | 3.46 |
| Fluid Velocity | [fps] | 2.10 |
| Rows / FPI / Circuits | : | 5 Row / 10 FPI / 4 Ckt |
| Coil Connection Size: | [in.] | 0.875 |

Heating Data

| | | |
|-----------------------|--------|-----------|
| EAT DB | [°F] | - |
| LAT DB | [°F] | - |
| Sensible Capacity | [Btuh] | - |
| Rows / FPI / Circuits | : | - / - / - |

Options

1" Pleated Spare Filter (MERV 13) (1)
Auxiliary Drip Pan- Galvanized Auxiliary Drip Pan
BC02 24V, Unit S/S Relay / Fan Op. Relay & Transformer
Discharge Air Sensor- OC026
Elastomeric Closed Cell Foam Insulation
Enclosure Mount- Unit Mounted
Galvanized Drain pan
Motor Control- 2-10 VDC (Sync)
OC011 Drain Pan Float Switch
OC012 Toggle Disconnect Switch - 15 amps
Return Air Options- Return: Rear Duct Collar
Solid Ceiling Access Panel, Bright White - Size 08
Thermostat Location- No Thermostat
Thermostat- No Thermostat
Vibration Isolation
Chilled Water Coil: Field Provided Piping Package Size - 1/2"
Chilled Water Coil:Galvanized Casing
Chilled Water Coil:Left Hand Connection
Chilled Water Coil:Manual Air Vent
Chilled Water Coil:Package Code- Field Provided by Others 1/2" Valve Package

Special Quote (SQ)#

Special Quote (SQ)#

Special Quote (SQ)#

Special Quote (SQ)#

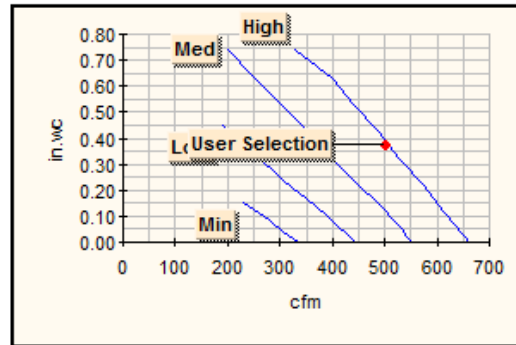
Electrical Data

| | | |
|----------------------|-------------|--------------|
| Motor Voltage | [V/P/HZ] | 208/1/60 ECM |
| Total Full Load Amps | : | 1.20 |
| MCA / MSCP | : | 1.50 / 15.00 |
| Fan Power Input | [Watts@CFM] | 86.00 |

Sound Data Calculated at 501 CFM and 1366 RPM

| | 125Hz | 250Hz | 500Hz | 1kHz | 2kHz | 4kHz | 8kHz |
|----------------------------|-------|-------|-------|------|------|------|------|
| Ducted Discharge | 58 | 58 | 55 | 57 | 52 | 46 | 37 |
| Casing Radiated Free Inlet | 61 | 63 | 57 | 53 | 48 | 43 | 36 |

- * Unit weight includes unit with wet coil(s) as selected.
 - Does not include accessories
- Unit pressure drop and air flow based upon dry coil as required by AHRI-440.
- Sound data tested in accordance with AHRI-260-2012
- Sound Data Calculated at 501 CFM and 1366 RPM
- Scheduled motor information is for Fan Input Power at High Speed.
- For 0' altitude the coil selection has been made at Standard Conditions.





Project Name: York Region _ grd 2 3 4 renovations FCUS_R1
Location:
Consultant/Engineer:
Contractor:
Sold To:
P.O. No: PO

JCI Contract No: Contract #
Coil Version: 7.05b
Printed Date: 11/6/2024 8:37:38 AM
Selection Date: 7/15/2024 5:40:26 AM
Last Revision Date: 7/31/2024 4:47:04 AM

Performance Data Sheet

| Unit Tag | Qty | Model | Air Flow | Total Duty | Sensible Duty |
|--|-----|---------|----------|------------|---------------|
| FC-2.16, FC-2.18, FC-2.20, FC-2.19, FC-2.22, FC-2.24 | 6 | FHP-D03 | 246 CFM | 8,374 Btuh | 6,084 Btuh |

Unit Data

| | | | |
|--|--------------------------|-------------------------------|---------------------------|
| Model Size : 03 | (Fans) Speed : (1) High | Filter : 1" Pleated (MERV 13) | Coil Tube Dia. [in.] 3/8 |
| Type : Horizontal Low Profile - Series D | (Motors) HP : (1) 1/4 | Filter (Qty) Size : 19x10.5x1 | Coil Face Area [ft²] 1.07 |
| | Motor FLA : 0.7 | Filter Face Area [ft²] 1.39 | Weight* [lb] 47 |
| | Motor Type : ECM-B | | |
| | Capacity : Std. Capacity | | |

Output Data

| | | |
|---------------|---------|------|
| Altitude | [Ft.] | 913 |
| Air Flow Rate | [CFM] | 246 |
| ESP | [in.wg] | 0.38 |

Chilled Water Coil Data

| | | |
|-----------------------|---------|------------------------|
| EAT DB/WB | [°F] | 80.0/ 67.0 |
| LAT DB/WB | [°F] | 56.1/ 55.5 |
| Total Capacity | [Btuh] | 8,374 |
| Sensible Capacity | [Btuh] | 6,084 |
| EWT/LWT | [°F] | 47.0/ 60.0 |
| Fluid Flow | [gpm] | 1.30 |
| Fluid P.D | [ft.wg] | 4.09 |
| Fluid Velocity | [fps] | 1.90 |
| Rows / FPI / Circuits | : | 5 Row / 10 FPI / 2 Ckt |
| Coil Connection Size: | [in.] | 0.875 |

Heating Data

| | | |
|-----------------------|--------|-----------|
| EAT DB | [°F] | - |
| LAT DB | [°F] | - |
| Sensible Capacity | [Btuh] | - |
| Rows / FPI / Circuits | : | - / - / - |

Options

1" Pleated Spare Filter (MERV 13) (1)
Auxiliary Drip Pan- Galvanized Auxiliary Drip Pan
BC02 24V, Unit S/S Relay / Fan Op. Relay & Transformer
Discharge Air Sensor- OC026
Elastomeric Closed Cell Foam Insulation
Enclosure Mount- Unit Mounted
Galvanized Drain pan
Motor Control- 2-10 VDC (Sync)
OC011 Drain Pan Float Switch
OC012 Toggle Disconnect Switch - 15 amps
Return Air Options- Return: Rear Duct Collar
Solid Ceiling Access Panel, Bright White - Size 03
Thermostat Location- No Thermostat
Thermostat- No Thermostat
Vibration Isolation
Chilled Water Coil: Field Provided Piping Package Size - 1/2"
Chilled Water Coil:Galvanized Casing
Chilled Water Coil:Left Hand Connection
Chilled Water Coil:Manual Air Vent
Chilled Water Coil:Package Code- Field Provided by Others 1/2" Valve Package

| Special Quote (SQ)# | Special Quote (SQ)# | Special Quote (SQ)# | Special Quote (SQ)# |
|---------------------|---------------------|---------------------|---------------------|
|---------------------|---------------------|---------------------|---------------------|

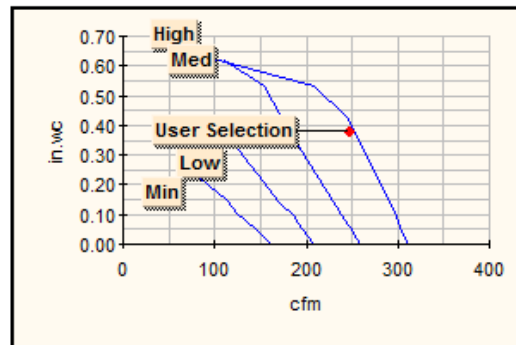
Electrical Data

| | | |
|----------------------|-------------|--------------|
| Motor Voltage | [V/P/HZ] | 208/1/60 ECM |
| Total Full Load Amps | : | 0.70 |
| MCA / MSCP | : | 0.88 / 15.00 |
| Fan Power Input | [Watts@CFM] | 46.00 |

Sound Data Calculated at 246 CFM and 1462 RPM

| | 125Hz | 250Hz | 500Hz | 1kHz | 2kHz | 4kHz | 8kHz |
|----------------------------|-------|-------|-------|------|------|------|------|
| Ducted Discharge | 58 | 58 | 53 | 53 | 48 | 44 | 35 |
| Casing Radiated Free Inlet | 58 | 60 | 56 | 54 | 48 | 43 | 37 |

- * Unit weight includes unit with wet coil(s) as selected.
 - Does not include accessories
- Unit pressure drop and air flow based upon dry coil as required by AHRI-440.
- Sound data tested in accordance with AHRI-260-2012
- Sound Data Calculated at 246 CFM and 1462 RPM
- Scheduled motor information is for Fan Input Power at High Speed.
- For 0' altitude the coil selection has been made at Standard Conditions.





Project Name: York Region _ grd 2 3 4 renovations FCUS_R1
Location:
Consultant/Engineer:
Contractor:
Sold To:
P.O. No: PO

JCI Contract No: Contract #
Coil Version: 7.05b
Printed Date: 11/6/2024 8:37:38 AM
Selection Date: 7/15/2024 5:52:02 AM
Last Revision Date: 7/31/2024 4:49:18 AM

Performance Data Sheet

| Unit Tag | Qty | Model | Air Flow | Total Duty | Sensible Duty |
|---|-----|---------|----------|-------------|---------------|
| FC-2.14, FC-2.17, FC-2.21, FC-2.23, FC-2.26 | 5 | FHP-D06 | 395 CFM | 12,614 Btuh | 9,284 Btuh |

Unit Data

| | | | |
|--|--------------------------|-------------------------------|---------------------------|
| Model Size : 06 | (Fans) Speed : (2) High | Filter : 1" Pleated (MERV 13) | Coil Tube Dia. [in.] 3/8 |
| Type : Horizontal Low Profile - Series D | (Motors) HP : (1) 1/4 | Filter (Qty) Size : 31x10.5x1 | Coil Face Area [ft²] 1.72 |
| | Motor FLA : 1.2 | Filter Face Area [ft²] 2.26 | Weight* [lb] 69 |
| | Motor Type : ECM-B | | |
| | Capacity : Std. Capacity | | |

Output Data

| | | |
|---------------|---------|------|
| Altitude | [Ft.] | 913 |
| Air Flow Rate | [CFM] | 395 |
| ESP | [in.wg] | 0.50 |

Chilled Water Coil Data

| | | |
|-----------------------|---------|------------------------|
| EAT DB/WB | [°F] | 80.0/ 67.0 |
| LAT DB/WB | [°F] | 57.3/ 56.3 |
| Total Capacity | [Btuh] | 12,614 |
| Sensible Capacity | [Btuh] | 9,284 |
| EWT/LWT | [°F] | 47.0/ 58.7 |
| Fluid Flow | [gpm] | 2.20 |
| Fluid P.D | [ft.wg] | 3.38 |
| Fluid Velocity | [fps] | 2.20 |
| Rows / FPI / Circuits | : | 4 Row / 10 FPI / 3 Ckt |
| Coil Connection Size: | [in.] | 0.875 |

Heating Data

| | | |
|-----------------------|--------|-----------|
| EAT DB | [°F] | - |
| LAT DB | [°F] | - |
| Sensible Capacity | [Btuh] | - |
| Rows / FPI / Circuits | : | - / - / - |

Options

1" Pleated Spare Filter (MERV 13) (1)
Auxiliary Drip Pan- Galvanized Auxiliary Drip Pan
BC02 24V, Unit S/S Relay / Fan Op. Relay & Transformer
Discharge Air Sensor- OC026
Elastomeric Closed Cell Foam Insulation
Enclosure Mount- Unit Mounted
Galvanized Drain pan
Motor Control- 2-10 VDC (Sync)
OC011 Drain Pan Float Switch
OC012 Toggle Disconnect Switch - 15 amps
Return Air Options- Return: Rear Duct Collar
Solid Ceiling Access Panel, Bright White - Size 06
Thermostat Location- No Thermostat
Thermostat- No Thermostat
Vibration Isolation
Chilled Water Coil: Field Provided Piping Package Size - 1/2"
Chilled Water Coil:Galvanized Casing
Chilled Water Coil:Left Hand Connection
Chilled Water Coil:Manual Air Vent
Chilled Water Coil:Package Code- Field Provided by Others 1/2" Valve Package

| Special Quote (SQ)# | Special Quote (SQ)# | Special Quote (SQ)# | Special Quote (SQ)# |
|---------------------|---------------------|---------------------|---------------------|
|---------------------|---------------------|---------------------|---------------------|

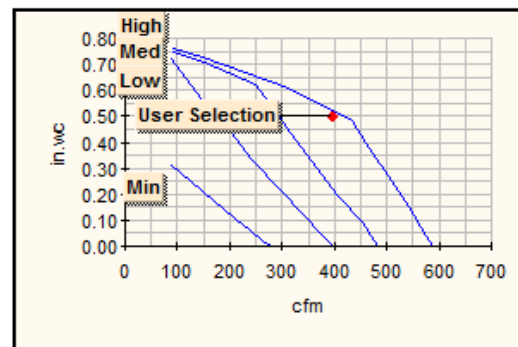
Electrical Data

| | | |
|----------------------|-------------|--------------|
| Motor Voltage | [V/P/HZ] | 208/1/60 ECM |
| Total Full Load Amps | : | 1.20 |
| MCA / MSCP | : | 1.50 / 15.00 |
| Fan Power Input | [Watts@CFM] | 91.00 |

Sound Data Calculated at 395 CFM and 1546 RPM

| | 125Hz | 250Hz | 500Hz | 1kHz | 2kHz | 4kHz | 8kHz |
|----------------------------|-------|-------|-------|------|------|------|------|
| Ducted Discharge | 60 | 58 | 55 | 55 | 51 | 45 | 37 |
| Casing Radiated Free Inlet | 62 | 64 | 59 | 58 | 52 | 47 | 41 |

- * Unit weight includes unit with wet coil(s) as selected.
 - Does not include accessories
- Unit pressure drop and air flow based upon dry coil as required by AHRI-440.
- Sound data tested in accordance with AHRI-260-2012
- Sound Data Calculated at 395 CFM and 1546 RPM
- Scheduled motor information is for Fan Input Power at High Speed.
- For 0' altitude the coil selection has been made at Standard Conditions.





Project Name: York Region _ grd 2 3 4 renovations FCUS_R1
Location:
Consultant/Engineer:
Contractor:
Sold To:
P.O. No: PO

JCI Contract No: Contract #
Coil Version: 7.05b
Printed Date: 11/6/2024 8:37:38 AM
Selection Date: 7/15/2024 5:56:31 AM
Last Revision Date: 7/31/2024 4:49:57 AM

Performance Data Sheet

| Unit Tag | Qty | Model | Air Flow | Total Duty | Sensible Duty |
|--|-----|---------|----------|-------------|---------------|
| FC-2.01, FC-2.02, FC-2.03, FC-2.04, FC-2.05, FC-2.06, FC-2.07, FC-2.08, FC-2.09, FC-2.10, FC-2.11, FC-2.12, FC-2.13, FC-2.15, FC-2.25, FC-2.27 | 16 | FHP-D08 | 501 CFM | 17,624 Btuh | 12,624 Btuh |

Unit Data

| | | | |
|--|--------------------------|-----------------------------------|---------------------------|
| Model Size : 08 | (Fans) Speed : (2) High | Filter : 1" Pleated (MERV 13) | Coil Tube Dia. [in.] 3/8 |
| Type : Horizontal Low Profile - Series D | (Motors) HP : (1) 1/4 | Filter (Qty) Size : (2) 19x10.5x1 | Coil Face Area [ft²] 2.11 |
| | Motor FLA : 1.2 | Filter Face Area [ft²] 2.77 | Weight* [lb] 89 |
| | Motor Type : ECM-B | | |
| | Capacity : Std. Capacity | | |

Output Data

| | | |
|---------------|---------|------|
| Altitude | [Ft.] | 913 |
| Air Flow Rate | [CFM] | 501 |
| ESP | [in.wg] | 0.38 |

Chilled Water Coil Data

| | | |
|-----------------------|---------|------------------------|
| EAT DB/WB | [°F] | 80.0/ 67.0 |
| LAT DB/WB | [°F] | 55.6/ 55.1 |
| Total Capacity | [Btuh] | 17,624 |
| Sensible Capacity | [Btuh] | 12,624 |
| EWT/LWT | [°F] | 47.0/ 59.7 |
| Fluid Flow | [gpm] | 2.80 |
| Fluid P.D | [ft.wg] | 3.46 |
| Fluid Velocity | [fps] | 2.10 |
| Rows / FPI / Circuits | : | 5 Row / 10 FPI / 4 Ckt |
| Coil Connection Size: | [in.] | 0.875 |

Heating Data

| | | |
|-----------------------|--------|-----------|
| EAT DB | [°F] | - |
| LAT DB | [°F] | - |
| Sensible Capacity | [Btuh] | - |
| Rows / FPI / Circuits | : | - / - / - |

Options

1" Pleated Spare Filter (MERV 13) (1)
Auxiliary Drip Pan- Galvanized Auxiliary Drip Pan
BC02 24V, Unit S/S Relay / Fan Op. Relay & Transformer
Discharge Air Sensor- OC026
Elastomeric Closed Cell Foam Insulation
Enclosure Mount- Unit Mounted
Galvanized Drain pan
Motor Control- 2-10 VDC (Sync)
OC011 Drain Pan Float Switch
OC012 Toggle Disconnect Switch - 15 amps
Return Air Options- Return: Rear Duct Collar
Solid Ceiling Access Panel, Bright White - Size 08
Thermostat Location- No Thermostat
Thermostat- No Thermostat
Vibration Isolation
Chilled Water Coil: Field Provided Piping Package Size - 1/2"
Chilled Water Coil:Galvanized Casing
Chilled Water Coil:Left Hand Connection
Chilled Water Coil:Manual Air Vent
Chilled Water Coil:Package Code- Field Provided by Others 1/2" Valve Package

Special Quote (SQ)#

Special Quote (SQ)#

Special Quote (SQ)#

Special Quote (SQ)#

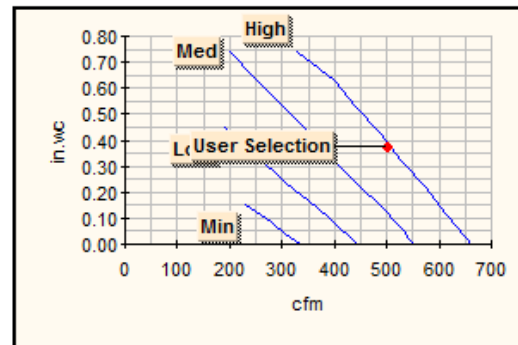
Electrical Data

| | | |
|----------------------|-------------|--------------|
| Motor Voltage | [V/P/HZ] | 208/1/60 ECM |
| Total Full Load Amps | : | 1.20 |
| MCA / MSCP | : | 1.50 / 15.00 |
| Fan Power Input | [Watts@CFM] | 86.00 |

Sound Data Calculated at 501 CFM and 1366 RPM

| | 125Hz | 250Hz | 500Hz | 1kHz | 2kHz | 4kHz | 8kHz |
|----------------------------|-------|-------|-------|------|------|------|------|
| Ducted Discharge | 58 | 58 | 55 | 57 | 52 | 46 | 37 |
| Casing Radiated Free Inlet | 61 | 63 | 57 | 53 | 48 | 43 | 36 |

- * Unit weight includes unit with wet coil(s) as selected.
 - Does not include accessories
- Unit pressure drop and air flow based upon dry coil as required by AHRI-440.
- Sound data tested in accordance with AHRI-260-2012
- Sound Data Calculated at 501 CFM and 1366 RPM
- Scheduled motor information is for Fan Input Power at High Speed.
- For 0' altitude the coil selection has been made at Standard Conditions.





Project Name: York Region _ grd 2 3 4 renovations FCUS_R1
Location:
Consultant/Engineer:
Contractor:
Sold To:
P.O. No: PO

JCI Contract No: Contract #
Coil Version: 7.05b
Printed Date: 11/6/2024 8:37:38 AM
Selection Date: 7/15/2024 5:40:26 AM
Last Revision Date: 7/31/2024 4:50:46 AM

Performance Data Sheet

| Unit Tag | Qty | Model | Air Flow | Total Duty | Sensible Duty |
|------------------------------|-----|---------|----------|------------|---------------|
| FCU-3.22, FCU-3.23, FCU-3.24 | 3 | FHP-D03 | 246 CFM | 8,374 Btuh | 6,084 Btuh |

Unit Data

| | | | |
|--|--------------------------|-------------------------------|---------------------------|
| Model Size : 03 | (Fans) Speed : (1) High | Filter : 1" Pleated (MERV 13) | Coil Tube Dia. [in.] 3/8 |
| Type : Horizontal Low Profile - Series D | (Motors) HP : (1) 1/4 | Filter (Qty) Size : 19x10.5x1 | Coil Face Area [ft²] 1.07 |
| | Motor FLA : 0.7 | Filter Face Area [ft²] 1.39 | Weight* [lb] 47 |
| | Motor Type : ECM-B | | |
| | Capacity : Std. Capacity | | |

Output Data

| | | |
|---------------|---------|------|
| Altitude | [Ft.] | 913 |
| Air Flow Rate | [CFM] | 246 |
| ESP | [in.wg] | 0.38 |

Chilled Water Coil Data

| | | |
|-----------------------|---------|------------------------|
| EAT DB/WB | [°F] | 80.0/ 67.0 |
| LAT DB/WB | [°F] | 56.1/ 55.5 |
| Total Capacity | [Btuh] | 8,374 |
| Sensible Capacity | [Btuh] | 6,084 |
| EWT/LWT | [°F] | 47.0/ 60.0 |
| Fluid Flow | [gpm] | 1.30 |
| Fluid P.D | [ft.wg] | 4.09 |
| Fluid Velocity | [fps] | 1.90 |
| Rows / FPI / Circuits | : | 5 Row / 10 FPI / 2 Ckt |
| Coil Connection Size: | [in.] | 0.875 |

Heating Data

| | | |
|-----------------------|--------|-----------|
| EAT DB | [°F] | - |
| LAT DB | [°F] | - |
| Sensible Capacity | [Btuh] | - |
| Rows / FPI / Circuits | : | - / - / - |

Options

1" Pleated Spare Filter (MERV 13) (1)
Auxiliary Drip Pan- Galvanized Auxiliary Drip Pan
BC02 24V, Unit S/S Relay / Fan Op. Relay & Transformer
Discharge Air Sensor- OC026
Elastomeric Closed Cell Foam Insulation
Enclosure Mount- Unit Mounted
Galvanized Drain pan
Motor Control- 2-10 VDC (Sync)
OC011 Drain Pan Float Switch
OC012 Toggle Disconnect Switch - 15 amps
Return Air Options- Return: Rear Duct Collar
Solid Ceiling Access Panel, Bright White - Size 03
Thermostat Location- No Thermostat
Thermostat- No Thermostat
Vibration Isolation
Chilled Water Coil: Field Provided Piping Package Size - 1/2"
Chilled Water Coil:Galvanized Casing
Chilled Water Coil:Left Hand Connection
Chilled Water Coil:Manual Air Vent
Chilled Water Coil:Package Code- Field Provided by Others 1/2" Valve Package

| Special Quote (SQ)# | Special Quote (SQ)# | Special Quote (SQ)# | Special Quote (SQ)# |
|---------------------|---------------------|---------------------|---------------------|
|---------------------|---------------------|---------------------|---------------------|

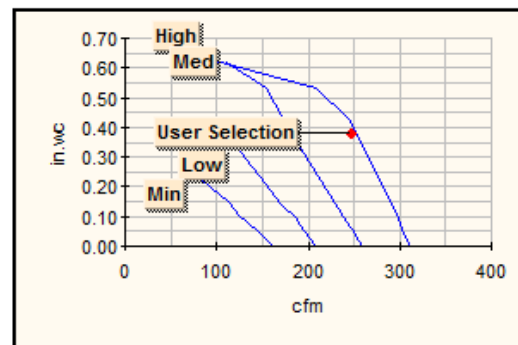
Electrical Data

| | | |
|----------------------|-------------|--------------|
| Motor Voltage | [V/P/HZ] | 208/1/60 ECM |
| Total Full Load Amps | : | 0.70 |
| MCA / MSCP | : | 0.88 / 15.00 |
| Fan Power Input | [Watts@CFM] | 46.00 |

Sound Data Calculated at 246 CFM and 1462 RPM

| | 125Hz | 250Hz | 500Hz | 1kHz | 2kHz | 4kHz | 8kHz |
|----------------------------|-------|-------|-------|------|------|------|------|
| Ducted Discharge | 58 | 58 | 53 | 53 | 48 | 44 | 35 |
| Casing Radiated Free Inlet | 58 | 60 | 56 | 54 | 48 | 43 | 37 |

- * Unit weight includes unit with wet coil(s) as selected.
 - Does not include accessories
- Unit pressure drop and air flow based upon dry coil as required by AHRI-440.
- Sound data tested in accordance with AHRI-260-2012
- Sound Data Calculated at 246 CFM and 1462 RPM
- Scheduled motor information is for Fan Input Power at High Speed.
- For 0' altitude the coil selection has been made at Standard Conditions.





Project Name: York Region _ grd 2 3 4 renovations FCUS_R1
Location:
Consultant/Engineer:
Contractor:
Sold To:
P.O. No: PO

JCI Contract No: Contract #
Coil Version: 7.05b
Printed Date: 11/6/2024 8:37:38 AM
Selection Date: 7/15/2024 5:52:02 AM
Last Revision Date: 7/31/2024 4:51:32 AM

Performance Data Sheet

| Unit Tag | Qty | Model | Air Flow | Total Duty | Sensible Duty |
|--|-----|---------|----------|-------------|---------------|
| FCU-3.08, FCU-3.10, FCU-3.11, FCU-3.12, FCU-3.19, FCU-3.20, FCU-3.21 | 7 | FHP-D06 | 395 CFM | 12,614 Btuh | 9,284 Btuh |

Unit Data

| | | | | |
|--|--------------------------|------------------------|------------------------|---------------------------|
| Model Size : 06 | (Fans) Speed : (2) High | Filter | : 1" Pleated (MERV 13) | Coil Tube Dia. [in.] 3/8 |
| Type : Horizontal Low Profile - Series D | (Motors) HP : (1) 1/4 | Filter (Qty) Size | : 31x10.5x1 | Coil Face Area [ft²] 1.72 |
| | Motor FLA : 1.2 | Filter Face Area [ft²] | 2.26 | Weight* [lb] 69 |
| | Motor Type : ECM-B | | | |
| | Capacity : Std. Capacity | | | |

Output Data

| | |
|--------------------------------|------------------------|
| Altitude [Ft.] | 913 |
| Air Flow Rate [CFM] | 395 |
| ESP [in.wg] | 0.50 |
| Chilled Water Coil Data | |
| EAT DB/WB [°F] | 80.0/ 67.0 |
| LAT DB/WB [°F] | 57.3/ 56.3 |
| Total Capacity [Btuh] | 12,614 |
| Sensible Capacity [Btuh] | 9,284 |
| EWT/LWT [°F] | 47.0/ 58.7 |
| Fluid Flow [gpm] | 2.20 |
| Fluid P.D [ft.wg] | 3.38 |
| Fluid Velocity [fps] | 2.20 |
| Rows / FPI / Circuits | 4 Row / 10 FPI / 3 Ckt |
| Coil Connection Size: [in.] | 0.875 |
| Heating Data | |
| EAT DB [°F] | - |
| LAT DB [°F] | - |
| Sensible Capacity [Btuh] | - |
| Rows / FPI / Circuits | - / - / - |

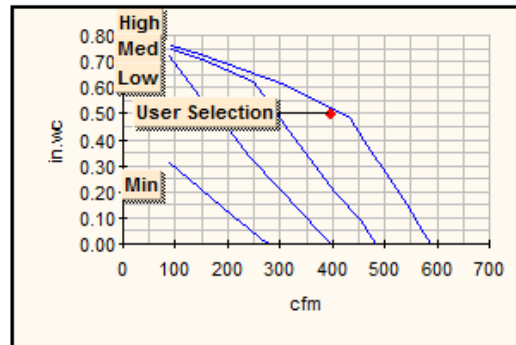
Options

1" Pleated Spare Filter (MERV 13) (1)
Auxiliary Drip Pan- Galvanized Auxiliary Drip Pan
BC02 24V, Unit S/S Relay / Fan Op. Relay & Transformer
Discharge Air Sensor- OC026
Elastomeric Closed Cell Foam Insulation
Enclosure Mount- Unit Mounted
Galvanized Drain pan
Motor Control- 2-10 VDC (Sync)
OC011 Drain Pan Float Switch
OC012 Toggle Disconnect Switch - 15 amps
Return Air Options- Return: Rear Duct Collar
Solid Ceiling Access Panel, Bright White - Size 06
Thermostat Location- No Thermostat
Thermostat- No Thermostat
Vibration Isolation
Chilled Water Coil: Field Provided Piping Package Size - 1/2"
Chilled Water Coil:Galvanized Casing
Chilled Water Coil:Left Hand Connection
Chilled Water Coil:Manual Air Vent
Chilled Water Coil:Package Code- Field Provided by Others 1/2" Valve Package

| Special Quote (SQ)# | Special Quote (SQ)# | Special Quote (SQ)# | Special Quote (SQ)# |
|---------------------|---------------------|---------------------|---------------------|
|---------------------|---------------------|---------------------|---------------------|

| | |
|--|---------------------------------------|
| Electrical Data | |
| Motor Voltage [V/P/HZ] | 208/1/60 ECM |
| Total Full Load Amps | : 1.20 |
| MCA / MSCP | : 1.50 / 15.00 |
| Fan Power Input [Watts@CFM] | 91.00 |
| Sound Data Calculated at 395 CFM and 1546 RPM | |
| | 125Hz 250Hz 500Hz 1kHz 2kHz 4kHz 8kHz |
| Ducted Discharge | 60 58 55 55 51 45 37 |
| Casing Radiated Free Inlet | 62 64 59 58 52 47 41 |

- * Unit weight includes unit with wet coil(s) as selected.
 - Does not include accessories
- Unit pressure drop and air flow based upon dry coil as required by AHRI-440.
- Sound data tested in accordance with AHRI-260-2012
- Sound Data Calculated at 395 CFM and 1546 RPM
- Scheduled motor information is for Fan Input Power at High Speed.
- For 0' altitude the coil selection has been made at Standard Conditions.





Project Name: York Region _ grd 2 3 4 renovations FCUS_R1
Location:
Consultant/Engineer:
Contractor:
Sold To:
P.O. No: PO

JCI Contract No: Contract #
Coil Version: 7.05b
Printed Date: 11/6/2024 8:37:38 AM
Selection Date: 7/15/2024 5:56:31 AM
Last Revision Date: 7/31/2024 4:52:16 AM

Performance Data Sheet

| Unit Tag | Qty | Model | Air Flow | Total Duty | Sensible Duty |
|--|-----|---------|----------|-------------|---------------|
| FCU-3.04, FCU-3.05, FCU-3.06, FCU-3.07, FCU-3.09 | 5 | FHP-D08 | 501 CFM | 17,624 Btuh | 12,624 Btuh |

Unit Data

Model Size : 08 (Fans) Speed : (2) High
Type : Horizontal Low Profile - Series D (Motors) HP : (1) 1/4
Motor FLA : 1.2
Motor Type : ECM-B
Capacity : Std. Capacity

Filter : 1" Pleated (MERV 13)
Filter (Qty) Size : (2)19x10.5x1
Filter Face Area [ft²] 2.77

Coil Tube Dia. [in.] 3/8
Coil Face Area [ft²] 2.11
Weight* [lb] 89

Output Data

| | | |
|---------------|---------|------|
| Altitude | [Ft.] | 913 |
| Air Flow Rate | [CFM] | 501 |
| ESP | [in.wg] | 0.38 |

Chilled Water Coil Data

| | | |
|-----------------------|---------|------------------------|
| EAT DB/WB | [°F] | 80.0/ 67.0 |
| LAT DB/WB | [°F] | 55.6/ 55.1 |
| Total Capacity | [Btuh] | 17,624 |
| Sensible Capacity | [Btuh] | 12,624 |
| EWT/LWT | [°F] | 47.0/ 59.7 |
| Fluid Flow | [gpm] | 2.80 |
| Fluid P.D | [ft.wg] | 3.46 |
| Fluid Velocity | [fps] | 2.10 |
| Rows / FPI / Circuits | : | 5 Row / 10 FPI / 4 Ckt |
| Coil Connection Size: | [in.] | 0.875 |

Heating Data

| | | |
|-----------------------|--------|-----------|
| EAT DB | [°F] | - |
| LAT DB | [°F] | - |
| Sensible Capacity | [Btuh] | - |
| Rows / FPI / Circuits | : | - / - / - |

Options

1" Pleated Spare Filter (MERV 13) (1)
Auxiliary Drip Pan- Galvanized Auxiliary Drip Pan
BC02 24V, Unit S/S Relay / Fan Op. Relay & Transformer
Discharge Air Sensor- OC026
Elastomeric Closed Cell Foam Insulation
Enclosure Mount- Unit Mounted
Galvanized Drain pan
Motor Control- 2-10 VDC (Sync)
OC011 Drain Pan Float Switch
OC012 Toggle Disconnect Switch - 15 amps
Return Air Options- Return: Rear Duct Collar
Solid Ceiling Access Panel, Bright White - Size 08
Thermostat Location- No Thermostat
Thermostat- No Thermostat
Vibration Isolation
Chilled Water Coil: Field Provided Piping Package Size - 1/2"
Chilled Water Coil:Galvanized Casing
Chilled Water Coil:Left Hand Connection
Chilled Water Coil:Manual Air Vent
Chilled Water Coil:Package Code- Field Provided by Others 1/2" Valve Package

| Special Quote (SQ)# | Special Quote (SQ)# | Special Quote (SQ)# | Special Quote (SQ)# |
|---------------------|---------------------|---------------------|---------------------|
|---------------------|---------------------|---------------------|---------------------|

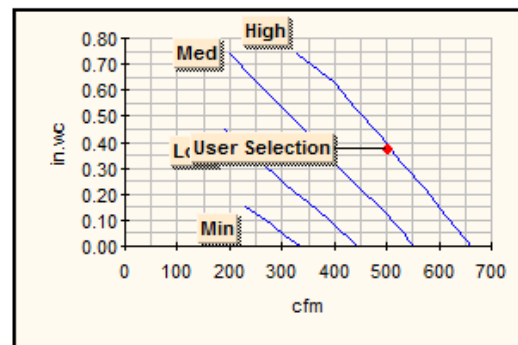
Electrical Data

Motor Voltage [V/P/HZ] 208/1/60 ECM
Total Full Load Amps : 1.20
MCA / MSCP : 1.50 / 15.00
Fan Power Input [Watts@CFM] 86.00

Sound Data Calculated at 501 CFM and 1366 RPM

| | 125Hz | 250Hz | 500Hz | 1kHz | 2kHz | 4kHz | 8kHz |
|----------------------------|-------|-------|-------|------|------|------|------|
| Ducted Discharge | 58 | 58 | 55 | 57 | 52 | 46 | 37 |
| Casing Radiated Free Inlet | 61 | 63 | 57 | 53 | 48 | 43 | 36 |

- * Unit weight includes unit with wet coil(s) as selected.
 - Does not include accessories
- Unit pressure drop and air flow based upon dry coil as required by AHRI-440.
- Sound data tested in accordance with AHRI-260-2012
- Sound Data Calculated at 501 CFM and 1366 RPM
- Scheduled motor information is for Fan Input Power at High Speed.
- For 0' altitude the coil selection has been made at Standard Conditions.





Project Name: York Region
Location:
Consultant/Engineer:
Contractor:
Sold To:
P.O. No:

FCU-4.29, FCU-4.30,
FCU-4.32 (WILL BE
ISSUED AS CCN M-1)

Contract No: Contract #
Revision: 7.05b
Printed Date: 11/6/2024 8:37:38 AM
Selection Date: 7/15/2024 6:29:12 AM
Last Revision Date: 7/31/2024 4:57:21 AM

Performance Data Sheet

| Unit Tag | Qty | Model | Air Flow | Total Duty | Sensible Duty |
|--|-----|---------|----------|------------|---------------|
| FCU-4.22, FCU-4.23, FCU-4.24, FCU-4.25, FCU-4.26, FCU-4.27, FCU-4.28, FCU-4.33, FCU-4.34, FCU-4.35, FCU-4.36 | 11 | FHP-D03 | 246 CFM | 8,374 Btuh | 6,084 Btuh |

Unit Data

Model Size : 03 (Fans) Speed : (1) High Filter : 1" Pleated (MERV 13) Coil Tube Dia. [in.] 3/8
Type : Horizontal Low Profile - Series D (Motors) HP : (1) 1/4 Filter (Qty) Size : 19x10.5x1 Coil Face Area [ft²] 1.07
Motor FLA : 0.7 Filter Face Area [ft²] 1.39 Weight* [lb] 56
Motor Type : ECM-B
Capacity : Std. Capacity

Output Data

Altitude [Ft.] 913
Air Flow Rate [CFM] 246
ESP [in.wg] 0.38

Chilled Water Coil Data

EAT DB/WB [°F] 80.0/ 67.0
LAT DB/WB [°F] 56.1/ 55.5
Total Capacity [Btuh] 8,374
Sensible Capacity [Btuh] 6,084
EWT/LWT [°F] 47.0/ 60.0
Fluid Flow [gpm] 1.30
Fluid P.D [ft.wg] 4.09
Fluid Velocity [fps] 1.90
Rows / FPI / Circuits : 5 Row / 10 FPI / 2 Ckt
Coil Connection Size: [in.] 0.875

Hot Water Coil (Re-Heat) Data

EAT DB [°F] 70.0
LAT DB [°F] 96.3
Sensible Capacity [Btuh] 6,896
EWT/LWT [°F] 140.0/ 120.3
Fluid Flow [gpm] 0.70
Fluid P.D [ft.wg] 1.24
Fluid Velocity [fps] 2.10
Rows / FPI / Circuits : 1 Row / 10 FPI / 1 Ckt
Coil Connection Size: [in.] 0.625

Options

1" Pleated Spare Filter (MERV 13) (1)
Auxiliary Drip Pan- Galvanized Auxiliary Drain
BC62 24V, Unit S/S Relay / Fan Op. Relay
Discharge Air Sensor- OC026
Elastomeric Closed Cell Foam Insulation
Enclosure Mount- Unit Mounted
Galvanized Drain pan
Motor Control- 2-10 VDC (Sync)
OC011 Drain Pan Float Switch
OC012 Toggle Disconnect Switch - 15 amps
Return Air Options- Return: Rear Duct Collar
Solid Ceiling Access Panel, Bright White - Size
Thermostat Location- No Thermostat
Thermostat- No Thermostat
Vibration Isolation
Chilled Water Coil: Field Provided Piping Package Size - 1/2"
Chilled Water Coil:Galvanized Casing
Chilled Water Coil:Left Hand Connection
Chilled Water Coil:Manual Air Vent
Chilled Water Coil:Package Code- Field Provided by Others 1/2" Valve Package
Hot Water Coil: Field Provided Piping Package Size - 1/2"
Hot Water Coil:Galvanized Casing
Hot Water Coil:Left Hand Connection
Hot Water Coil:Manual Air Vent
Hot Water Coil:Package Code- Field Provided by Others 1/2" Valve Package

Special Quote (SQ)#

Special Quote (SQ)#

Special Quote (SQ)#

Special Quote (SQ)#

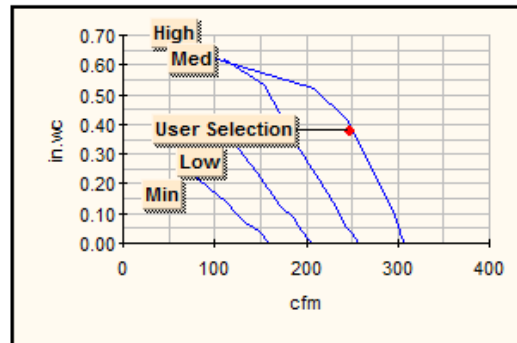
Electrical Data

Motor Voltage [V/P/HZ] 208/1/60 ECM
Total Full Load Amps : 0.70
MCA / MSCP : 0.88 / 15.00
Fan Power Input [Watts@CFM] 47.00

Sound Data Calculated at 246 CFM and 1474 RPM

| | 125Hz | 250Hz | 500Hz | 1kHz | 2kHz | 4kHz | 8kHz |
|----------------------------|-------|-------|-------|------|------|------|------|
| Ducted Discharge | 58 | 58 | 53 | 53 | 48 | 44 | 35 |
| Casing Radiated Free Inlet | 58 | 60 | 56 | 54 | 48 | 44 | 38 |

- * Unit weight includes unit with wet coil(s) as selected.
 - Does not include accessories
- Unit pressure drop and air flow based upon dry coil as required by AHRI-440.
- Sound data tested in accordance with AHRI-260-2012
- Sound Data Calculated at 246 CFM and 1474 RPM
- Scheduled motor information is for Fan Input Power at High Speed.
- For 0' altitude the coil selection has been made at Standard Conditions.





Project Name: York Region
Location:
Consultant/Engineer:
Contractor:
Sold To:
P.O. No: PO

FCU-4.02 & FCU-4.03

JCI Contract No: Contract #
Coil Version: 7.05b
Printed Date: 11/6/2024 8:37:38 AM
Selection Date: 7/15/2024 7:07:20 AM
Last Revision Date: 7/31/2024 4:56:50 AM

Performance Data Sheet

| Unit Tag | Qty | Model | Air Flow | Total Duty | Sensible Duty |
|--|-----|---------|----------|-------------|---------------|
| FCU-4.04, FCU-4.06, FCU-4.08, FCU-4.11, FCU-4.13, FCU-4.14, FCU-4.17, FCU-4.19, FCU-4.23, FCU-4.26, FCU-4.37 | 11 | FHP-D06 | 395 CFM | 12,334 Btuh | 8,824 Btuh |

Unit Data

Model Size : 06 (Fans) Speed : (2) High Filter : 1" Pleated (MERV 13) Coil Tube Dia. [in.] 3/8
Type : Horizontal Low Profile - Series D (Motors) HP : (1) 1/4 Filter (Qty) Size : 31x10.5x1 Coil Face Area [ft²] 1.72
Motor FLA : 1.2 Filter Face Area [ft²] 2.26 Weight* [lb] 76
Motor Type : ECM-B
Capacity : Std. Capacity

Output Data

| | | |
|--------------------------------|---------|------------------------|
| Altitude | [Ft.] | 913 |
| Air Flow Rate | [CFM] | 395 |
| ESP | [in.wg] | 0.50 |
| Chilled Water Coil Data | | |
| EAT DB/WB | [°F] | 80.0/ 67.0 |
| LAT DB/WB | [°F] | 58.4/ 56.6 |
| Total Capacity | [Btuh] | 12,334 |
| Sensible Capacity | [Btuh] | 8,824 |
| EWT/LWT | [°F] | 47.0/ 58.4 |
| Fluid Flow | [gpm] | 2.20 |
| Fluid P.D | [ft.wg] | 9.30 |
| Fluid Velocity | [fps] | 3.30 |
| Rows / FPI / Circuits | : | 3 Row / 12 FPI / 2 Ckt |
| Coil Connection Size: | [in.] | 0.875 |

Hot Water Coil (Re-Heat) Data

| | | |
|-----------------------|---------|------------------------|
| EAT DB | [°F] | 70.0 |
| LAT DB | [°F] | 98.6 |
| Sensible Capacity | [Btuh] | 12,096 |
| EWT/LWT | [°F] | 140.0/ 118.2 |
| Fluid Flow | [gpm] | 1.10 |
| Fluid P.D | [ft.wg] | 0.57 |
| Fluid Velocity | [fps] | 1.60 |
| Rows / FPI / Circuits | : | 1 Row / 12 FPI / 2 Ckt |
| Coil Connection Size: | [in.] | 0.625 |

Options

1" Pleated Spare Filter (MERV 13) (1)
Auxiliary Drip Pan- Galvanized Auxiliary Drip Pan
BC02 24V, Unit S/S Relay / Fan Op. Relay & Transformer
Discharge Air Sensor- OC026
Elastomeric Closed Cell Foam Insulation
Enclosure Mount- Unit Mounted
Galvanized Drain pan
Motor Control- 2-10 VDC (Sync)
OC011 Drain Pan Float Switch
OC012 Toggle Disconnect Switch - 15 amps
Return Air Options- Return: Rear Duct Collar
Solid Ceiling Access Panel, Bright White - Size 06
Thermostat Location- No Thermostat
Thermostat- No Thermostat
Vibration Isolation
Chilled Water Coil: Field Provided Piping Package Size - 1/2"
Chilled Water Coil:Galvanized Casing
Chilled Water Coil:Left Hand Connection
Chilled Water Coil:Manual Air Vent
Chilled Water Coil:Package Code- Field Provided by Others 1/2" Valve Package
Hot Water Coil: Field Provided Piping Package Size - 1/2"
Hot Water Coil:Galvanized Casing
Hot Water Coil:Left Hand Connection
Hot Water Coil:Manual Air Vent
Hot Water Coil:Package Code- Field Provided by Others 1/2" Valve Package

Special Quote (SQ)#

Special Quote (SQ)#

Special Quote (SQ)#

Special Quote (SQ)#

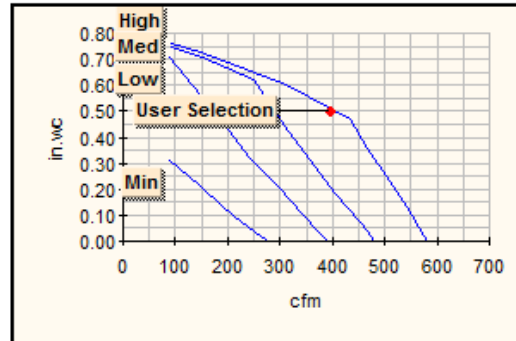
Electrical Data

Motor Voltage [V/P/Hz] 208/1/60 ECM
Total Full Load Amps : 1.20
MCA / MSCP : 1.50 / 15.00
Fan Power Input [Watts@CFM] 93.00

Sound Data Calculated at 395 CFM and 1559 RPM

| | 125Hz | 250Hz | 500Hz | 1kHz | 2kHz | 4kHz | 8kHz |
|----------------------------|-------|-------|-------|------|------|------|------|
| Ducted Discharge | 61 | 58 | 55 | 55 | 51 | 45 | 38 |
| Casing Radiated Free Inlet | 62 | 64 | 60 | 58 | 52 | 47 | 41 |

- * Unit weight includes unit with wet coil(s) as selected.
 - Does not include accessories
- Unit pressure drop and air flow based upon dry coil as required by AHRI-440.
- Sound data tested in accordance with AHRI-260-2012
- Sound Data Calculated at 395 CFM and 1559 RPM
- Scheduled motor information is for Fan Input Power at High Speed.
- For 0' altitude the coil selection has been made at Standard Conditions.





Project Name: York Region
Location:
Consultant/Engineer:
Contractor:
Sold To:
P.O. No: PO

FCU-4.01

JCI Contract No: Contract #
Coil Version: 7.05b
Printed Date: 11/6/2024 8:37:38 AM
Selection Date: 7/15/2024 6:42:42 AM
Last Revision Date: 7/31/2024 4:56:05 AM

Performance Data Sheet

| Unit Tag | Qty | Model | Air Flow | Total Duty | Sensible Duty |
|--|-----|---------|----------|-------------|---------------|
| FCU-4.05, FCU-4.07, FCU-4.09, FCU-4.10, FCU-4.12, FCU-4.15, FCU-4.16, FCU-4.18, FCU-4.20, FCU-4.21, FCU-4.31, FCU-4.32 | 12 | FHP-D08 | 501 CFM | 16,664 Btuh | 12,014 Btuh |

Unit Data

Model Size : 08 (Fans) Speed : (2) High Filter : 1" Pleated (MERV 13) Coil Tube Dia. [in.] 3/8
Type : Horizontal Low Profile - Series D (Motors) HP : (1) 1/4 Filter (Qty) Size : (2) 19x10.5x1 Coil Face Area [ft²] 2.11
Motor FLA : 1.2 Filter Face Area [ft²] 2.77 Weight* [lb] 97
Motor Type : ECM-B
Capacity : Std. Capacity

Output Data

| | | |
|---------------|---------|------|
| Altitude | [Ft.] | 913 |
| Air Flow Rate | [CFM] | 501 |
| ESP | [in.wg] | 0.38 |

Chilled Water Coil Data

| | | |
|-----------------------|---------|------------------------|
| EAT DB/WB | [°F] | 80.0/ 67.0 |
| LAT DB/WB | [°F] | 56.8/ 55.8 |
| Total Capacity | [Btuh] | 16,664 |
| Sensible Capacity | [Btuh] | 12,014 |
| EWT/LWT | [°F] | 47.0/ 59.0 |
| Fluid Flow | [gpm] | 2.80 |
| Fluid P.D | [ft.wg] | 6.38 |
| Fluid Velocity | [fps] | 2.80 |
| Rows / FPI / Circuits | : | 4 Row / 10 FPI / 3 Ckt |
| Coil Connection Size: | [in.] | 0.875 |

Hot Water Coil (Re-Heat) Data

| | | |
|-----------------------|---------|------------------------|
| EAT DB | [°F] | 70.0 |
| LAT DB | [°F] | 96.4 |
| Sensible Capacity | [Btuh] | 14,096 |
| EWT/LWT | [°F] | 140.0/ 119.9 |
| Fluid Flow | [gpm] | 1.40 |
| Fluid P.D | [ft.wg] | 1.12 |
| Fluid Velocity | [fps] | 2.10 |
| Rows / FPI / Circuits | : | 1 Row / 10 FPI / 2 Ckt |
| Coil Connection Size: | [in.] | 0.625 |

Options

1" Pleated Spare Filter (MERV 13) (1)
Auxiliary Drip Pan- Galvanized Auxiliary Drip Pan
BC02 24V, Unit S/S Relay / Fan Op. Relay & Transformer
Discharge Air Sensor- OC026
Elastomeric Closed Cell Foam Insulation
Enclosure Mount- Unit Mounted
Galvanized Drain pan
Motor Control- 2-10 VDC (Sync)
OC011 Drain Pan Float Switch
OC012 Toggle Disconnect Switch - 15 amps
Return Air Options- Return: Rear Duct Collar
Solid Ceiling Access Panel, Bright White - Size 08
Thermostat Location- No Thermostat
Thermostat- No Thermostat
Vibration Isolation
Chilled Water Coil: Field Provided Piping Package Size - 1/2"
Chilled Water Coil:Galvanized Casing
Chilled Water Coil:Left Hand Connection
Chilled Water Coil:Manual Air Vent
Chilled Water Coil:Package Code- Field Provided by Others 1/2" Valve Package
Hot Water Coil: Field Provided Piping Package Size - 1/2"
Hot Water Coil:Galvanized Casing
Hot Water Coil:Left Hand Connection
Hot Water Coil:Manual Air Vent
Hot Water Coil:Package Code- Field Provided by Others 1/2" Valve Package

Special Quote (SQ)#

Special Quote (SQ)#

Special Quote (SQ)#

Special Quote (SQ)#

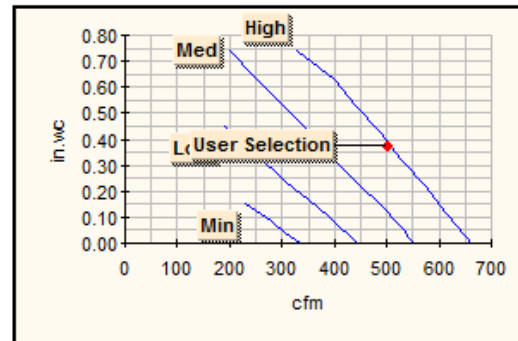
Electrical Data

Motor Voltage [V/P/HZ] 208/1/60 ECM
Total Full Load Amps : 1.20
MCA / MSCP : 1.50 / 15.00
Fan Power Input [Watts@CFM] 86.00

Sound Data Calculated at 501 CFM and 1366 RPM

| | 125Hz | 250Hz | 500Hz | 1kHz | 2kHz | 4kHz | 8kHz |
|----------------------------|-------|-------|-------|------|------|------|------|
| Ducted Discharge | 58 | 58 | 55 | 57 | 52 | 46 | 37 |
| Casing Radiated Free Inlet | 61 | 63 | 57 | 53 | 48 | 43 | 36 |

- * Unit weight includes unit with wet coil(s) as selected.
 - Does not include accessories
- Unit pressure drop and air flow based upon dry coil as required by AHRI-440.
- Sound data tested in accordance with AHRI-260-2012
- Sound Data Calculated at 501 CFM and 1366 RPM
- Scheduled motor information is for Fan Input Power at High Speed.
- For 0' altitude the coil selection has been made at Standard Conditions.





Project Name: York Region _ grd 2 3 4 renovations FCUS_R1
Location:
Consultant/Engineer:
Contractor:
Sold To:
P.O. No: PO

JCI Contract No: Contract #
Coil Version: 7.05b
Printed Date: 11/6/2024 8:37:38 AM
Selection Date: 7/15/2024 6:42:42 AM
Last Revision Date: 7/31/2024 5:29:28 AM

Performance Data Sheet

| Unit Tag | Qty | Model | Air Flow | Total Duty | Sensible Duty |
|----------|-----|---------|----------|-------------|---------------|
| FCU-4.01 | 1 | FHP-D08 | 501 CFM | 16,664 Btuh | 12,014 Btuh |

Unit Data

Model Size : 08 (Fans) Speed : (2) High
Type : Horizontal Low Profile - Series D (Motors) HP : (1) 1/4
Motor FLA : 1.2
Motor Type : ECM-B
Capacity : Std. Capacity

Filter : 1" Pleated (MERV 13)
Filter (Qty) Size : (2) 19 x 9.25 x 1
Filter Face Area [ft²] 2.44
Coil Tube Dia. [in.] 3/8
Coil Face Area [ft²] 2.11
Weight* [lb] 97

Output Data

| | | |
|---------------|---------|------|
| Altitude | [Ft.] | 913 |
| Air Flow Rate | [CFM] | 501 |
| ESP | [in.wg] | 0.38 |

Chilled Water Coil Data

| | | |
|-----------------------|---------|------------------------|
| EAT DB/WB | [°F] | 80.0/ 67.0 |
| LAT DB/WB | [°F] | 55.8/ 55.8 |
| Total Capacity | [Btuh] | 16,664 |
| Sensible Capacity | [Btuh] | 12,014 |
| EWT/LWT | [°F] | 47.0/ 59.0 |
| Fluid Flow | [gpm] | 2.80 |
| Fluid P.D | [ft.wg] | 6.38 |
| Fluid Velocity | [fps] | 2.80 |
| Rows / FPI / Circuits | : | 4 Row / 10 FPI / 3 Ckt |
| Coil Connection Size: | [in.] | 0.875 |

Hot Water Coil (Re-Heat) Data

| | | |
|-----------------------|---------|------------------------|
| EAT DB | [°F] | 70.0 |
| LAT DB | [°F] | 96.4 |
| Sensible Capacity | [Btuh] | 14,096 |
| EWT/LWT | [°F] | 140.0/ 119.9 |
| Fluid Flow | [gpm] | 1.40 |
| Fluid P.D | [ft.wg] | 1.12 |
| Fluid Velocity | [fps] | 2.10 |
| Rows / FPI / Circuits | : | 1 Row / 10 FPI / 2 Ckt |
| Coil Connection Size: | [in.] | 0.625 |

Options

1" Pleated Spare Filter (MERV 13) (1)
Auxiliary Drip Pan- Galvanized Auxiliary Drip Pan
BC02 24V, Unit S/S Relay / Fan Op. Relay & Transformer
Ceiling Access Return Air Panel w/ Telescoping Duct, Bright White - Size 08
Discharge Air Sensor- OC026
Elastomeric Closed Cell Foam Insulation
Enclosure Mount- Unit Mounted
Galvanized Drain pan
Motor Control- 2-10 VDC (Sync)
OC011 Drain Pan Float Switch
OC012 Toggle Disconnect Switch - 15 amps
Return Air Options- Return: Bottom No Duct Collar
Thermostat Location- No Thermostat
Thermostat- No Thermostat
Vibration Isolation
Chilled Water Coil: Field Provided Piping Package Size - 1/2"
Chilled Water Coil: Galvanized Casing
Chilled Water Coil: Left Hand Connection
Chilled Water Coil: Manual Air Vent
Chilled Water Coil: Package Code- Field Provided by Others 1/2" Valve Package
Hot Water Coil: Field Provided Piping Package Size - 1/2"
Hot Water Coil: Galvanized Casing
Hot Water Coil: Left Hand Connection
Hot Water Coil: Manual Air Vent
Hot Water Coil: Package Code- Field Provided by Others 1/2" Valve Package

Special Quote (SQ)#

Special Quote (SQ)#

Special Quote (SQ)#

Special Quote (SQ)#

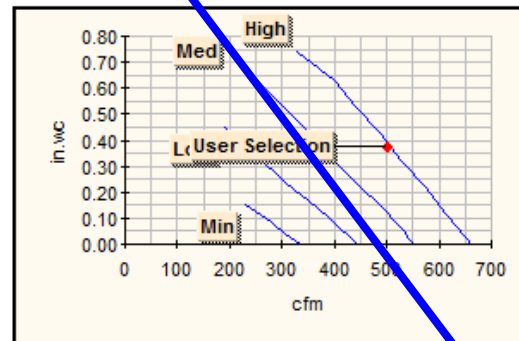
Electrical Data

Motor Voltage [V/P/HZ] 208/1/60 ECM
Total Full Load Amps : 1.20
MCA / MSCP : 1.50 / 15.50
Fan Power Input [Watts@CFM] 86.00

Sound Data Calculated at 501 CFM and 1366 RPM

| | 125Hz | 250Hz | 500Hz | 1kHz | 2kHz | 4kHz | 8kHz |
|----------------------------|-------|-------|-------|------|------|------|------|
| Ducted Discharge | 58 | 58 | 55 | 57 | 52 | 46 | 37 |
| Casing Radiated Free Inlet | 61 | 63 | 57 | 53 | 48 | 43 | 36 |

- * Unit weight includes unit with wet coil(s) as selected.
 - Does not include accessories
- Unit pressure drop and air flow based upon dry coil as required by AHRI-440.
- Sound data tested in accordance with AHRI-260-2012
- Sound Data Calculated at 501 CFM and 1366 RPM
- Scheduled motor information is for Fan Input Power at High Speed.
- For 0' altitude the coil selection has been made at Standard Conditions.





Project Name: York Region _ grd 2 3 4 renovations FCUS_R1
Location:
Consultant/Engineer:
Contractor:
Sold To:
P.O. No: PO

JCI Contract No: Contract #
Coil Version: 7.05b
Printed Date: 11/6/2024 8:37:38 AM
Selection Date: 7/15/2024 7:07:20 AM
Last Revision Date: 7/31/2024 4:58:48 AM

Performance Data Sheet

| Unit Tag | Qty | Model | Air Flow | Total Duty | Sensible Duty |
|--------------------|-----|---------|----------|-------------|---------------|
| FCU-4.02, FCU-4.03 | 2 | FHP-D06 | 395 CFM | 12,334 Btuh | 8,824 Btuh |

Unit Data

| | | | |
|--|--------------------------|-----------------------------------|---------------------------|
| Model Size : 06 | (Fans) Speed : (2) High | Filter : 1" Pleated (MERV 13) | Coil Tube Dia. [in.] 3/8 |
| Type : Horizontal Low Profile - Series D | (Motors) HP : (1) 1/4 | Filter (Qty) Size : 31 x 9.25 x 1 | Coil Face Area [ft²] 1.72 |
| | Motor FLA : 1.2 | Filter Face Area [ft²] 1.99 | Weight* [lb] 76 |
| | Motor Type : ECM-B | | |
| | Capacity : Std. Capacity | | |

Output Data

| | |
|---------------------|------|
| Altitude [Ft.] | 913 |
| Air Flow Rate [CFM] | 395 |
| ESP [in.wg] | 0.50 |

Chilled Water Coil Data

| | |
|-----------------------------|------------------------|
| EAT DB/WB [°F] | 80.0/ 67.0 |
| LAT DB/WB [°F] | 83.4/ 56.6 |
| Total Capacity [Btuh] | 12,334 |
| Sensible Capacity [Btuh] | 8,824 |
| EWT/LWT [°F] | 47.0/ 56.4 |
| Fluid Flow [gpm] | 2.20 |
| Fluid P.D [ft.wg] | 9.30 |
| Fluid Velocity [fps] | 3.30 |
| Rows / FPI / Circuits : | 3 Row / 12 FPI / 2 Ckt |
| Coil Connection Size: [in.] | 0.875 |

Hot Water Coil (Re-Heat) Data

| | |
|-----------------------------|------------------------|
| EAT DB [°F] | 70.0 |
| LAT DB [°F] | 98.6 |
| Sensible Capacity [Btuh] | 12,096 |
| EWT/LWT [°F] | 140.0/ 118.2 |
| Fluid Flow [gpm] | 1.10 |
| Fluid P.D [ft.wg] | 0.57 |
| Fluid Velocity [fps] | 1.60 |
| Rows / FPI / Circuits : | 1 Row / 12 FPI / 2 Ckt |
| Coil Connection Size: [in.] | 0.625 |

Options

1" Pleated Spare Filter (MERV 13) (1)
Auxiliary Drip Pan- Galvanized Auxiliary Drip Pan
BC02 24V, Unit S/S Relay / Fan Op. Relay & Transformer
Ceiling Access Return Air Panel w/ Telescoping Duct, Bright White - Size 06
Discharge Air Sensor- OC026
Elastomeric Closed Cell Foam Insulation
Enclosure Mount- Unit Mounted
Galvanized Drain pan
Motor Control- 2-10 VDC (Sync)
OC011 Drain Pan Float Switch
OC012 Toggle Disconnect Switch - 15 amps
Return Air Options- Return: Bottom No Duct Collar
Thermostat Location- No Thermostat
Thermostat- No Thermostat
Vibration Isolation
Chilled Water Coil: Field Provided Piping Package Size - 1/2"
Chilled Water Coil: Galvanized Casing
Chilled Water Coil: Left Hand Connection
Chilled Water Coil: Manual Air Vent
Chilled Water Coil: Package Code- Field Provided by Others 1/2" Valve Package
Hot Water Coil: Field Provided Piping Package Size - 1/2"
Hot Water Coil: Galvanized Casing
Hot Water Coil: Left Hand Connection
Hot Water Coil: Manual Air Vent
Hot Water Coil: Package Code- Field Provided by Others 1/2" Valve Package

Special Quote (SQ)#

Special Quote (SQ)#

Special Quote (SQ)#

Special Quote (SQ)#

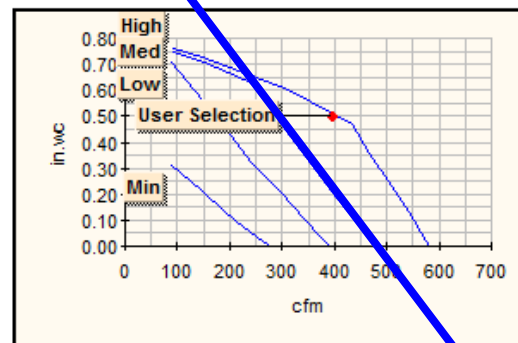
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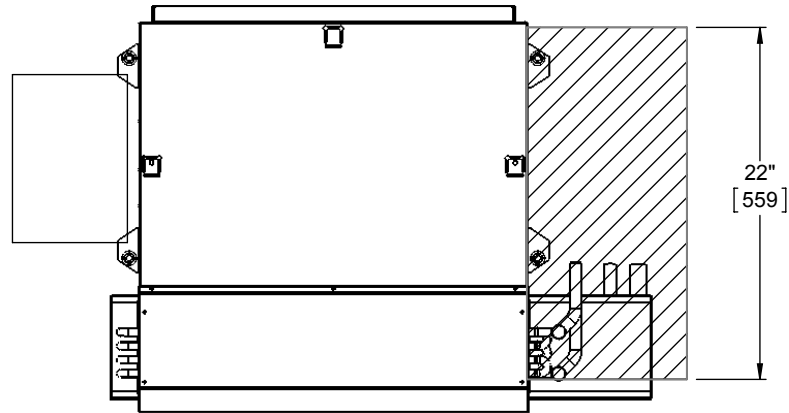
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|-----------------------------|--------------|
| Motor Voltage [V/P/HZ] | 208/1/60 ECM |
| Total Full Load Amps : | 1.20 |
| MCA / MSCP : | 1.50 / 15.50 |
| Fan Power Input [Watts@CFM] | 93.00 |

Sound Data Calculated at 395 CFM and 1559 RPM

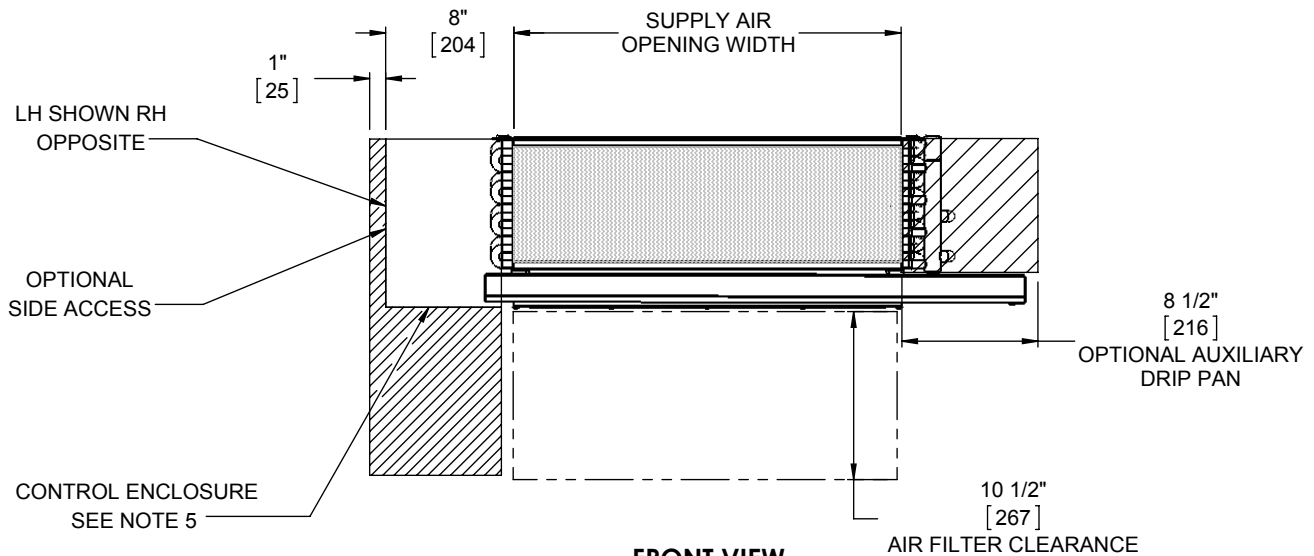
| | 125Hz | 250Hz | 500Hz | 1kHz | 2kHz | 4kHz | 8kHz |
|----------------------------|-------|-------|-------|------|------|------|------|
| Ducted Discharge | 61 | 58 | 55 | 55 | 51 | 45 | 38 |
| Casing Radiated Free Inlet | 62 | 64 | 60 | 58 | 52 | 47 | 41 |

- * Unit weight includes unit with wet coil(s) as selected.
 - Does not include accessories
- Unit pressure drop and air flow based upon dry coil as required by AHRI-440.
- Sound data tested in accordance with AHRI-260-2012
- Sound Data Calculated at 395 CFM and 1559 RPM
- Scheduled motor information is for Fan Input Power at High Speed.
- For 0' altitude the coil selection has been made at Standard Conditions.





TOP VIEW



FRONT VIEW

NOTES:

1. All chilled water piping that projects beyond the condensate pan or the optional auxiliary drip pan must be field insulated by others.
2. Auxiliary drip pan shown above is optional, and is mounted on the outlet side of the drain pan.
3. Drain pan is installed with the outlet tube(s) on cooling coil connection end of coil on 4-pipe units with optional opposite end connection.
4. Dimensions shown on this drawing apply to standard CW and HW valve packages. Refer to the Piping Package Catalog for valve package code details. Contact factory for details on valve packages using non-standard or customer furnished components.
5. Provide sufficient clearance to access electrical components and comply with all applicable codes and ordinances.

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OTHERWISE NOTED

TITLE:

**MODEL FHP & FHF
EXTERNAL FEATURE SPACE REQUIREMENTS**

DATE

01/18/16

SHEET

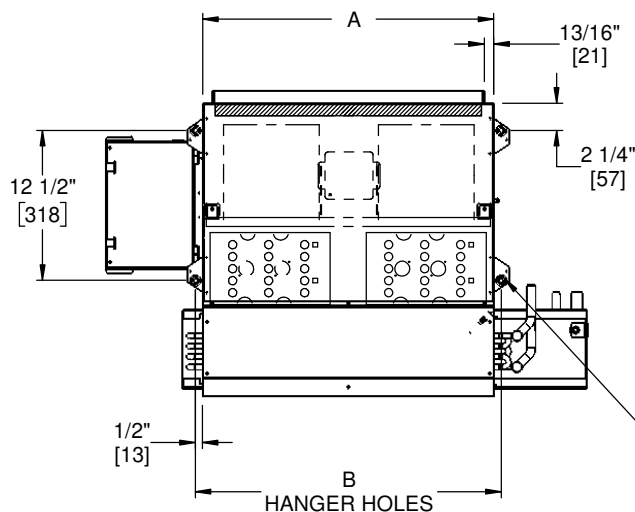
PAGE 1 OF 1

DRAWING NO

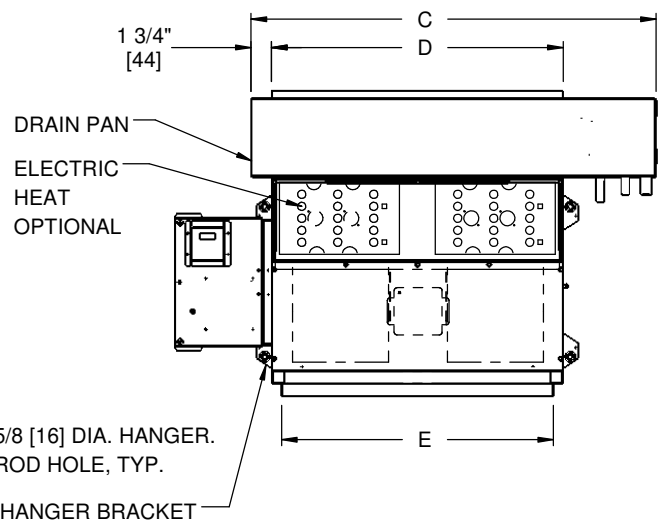
47-80110-J

REV

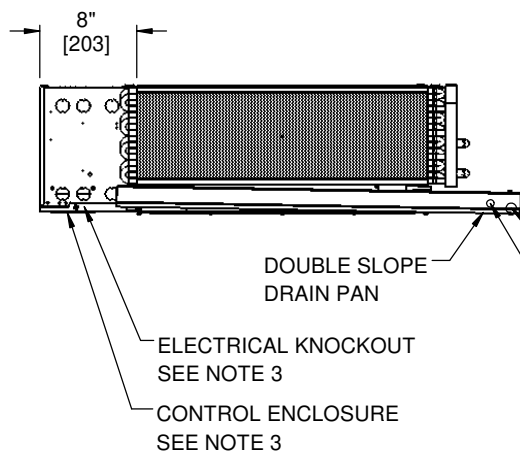
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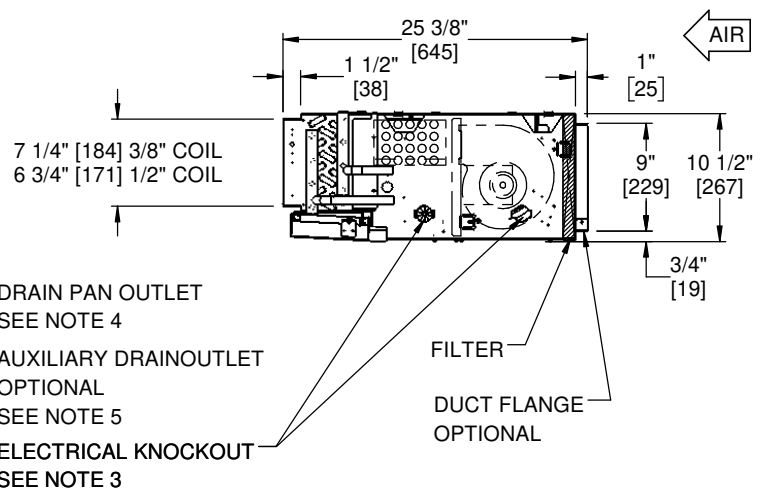
TOP VIEW



BOTTOM VIEW



FRONT VIEW



SIDE VIEW

| DIMENSIONS | | | | | |
|-------------------|----------------|----------------|----------------|----------------|----------------|
| UNIT SIZE | A | B | C | D | E |
| 02 | 16" [406] | 17 1/4" [438] | 25 1/2" [648] | 16" [406] | 14 3/8" [365] |
| 03 | 19 1/4" [489] | 20 1/2" [521] | 28 3/4" [730] | 19 1/4" [489] | 17 5/8" [448] |
| 04 | 24 1/4" [616] | 25 1/2" [648] | 33 3/4" [857] | 24 1/4" [616] | 22 5/8" [575] |
| 06 | 31" [787] | 32 1/4" [819] | 40 1/2" [1029] | 31" [787] | 29 3/8" [746] |
| 08 | 38" [965] | 39 1/4" [997] | 47 1/2" [1206] | 38" [965] | 36 3/8" [924] |
| 09 | 42 1/4" [1073] | 43 1/2" [1105] | 51 3/4" [1314] | 42 1/4" [1073] | 40 5/8" [1032] |
| 10 | 52" [1321] | 53 1/4" [1353] | 61 1/2" [1562] | 52" [1321] | 50 3/8" [1280] |
| 12 | 60" [1524] | 61 1/4" [1556] | 69 1/2" [1765] | 60" [1524] | 58 3/8" [1483] |

NOTES:

1. All dimensions in Inches [millimeters]. All dimensions $\pm 1/4"$ [6mm]. Metric values are soft conversion.
2. Left hand unit shown, right hand unit opposite.
3. Standard control enclosure is mounted on unit side opposite cooling coil connections. Unit casing includes (6) knockouts on each side. Provide sufficient clearance to access electrical controls and comply with applicable codes and ordinances.
4. Standard externally foam coated galvanized steel drain pan has 7/8" ODM copper outlet. Stainless steel drain pan has 3/4" MPT galvanized steel outlet.
5. Standard galvanized steel aux. drain pan has 5/8" ODM copper outlet. Stainless steel aux. drain pan has 3/8" MPT galvanized steel outlet.
6. See coil connection drawings for coil connection sizes and locations.



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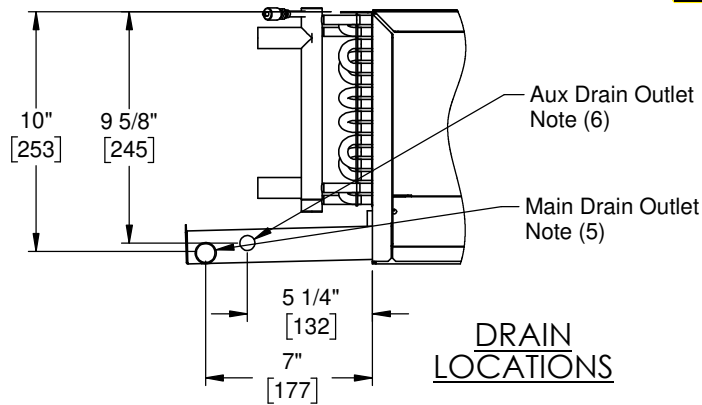
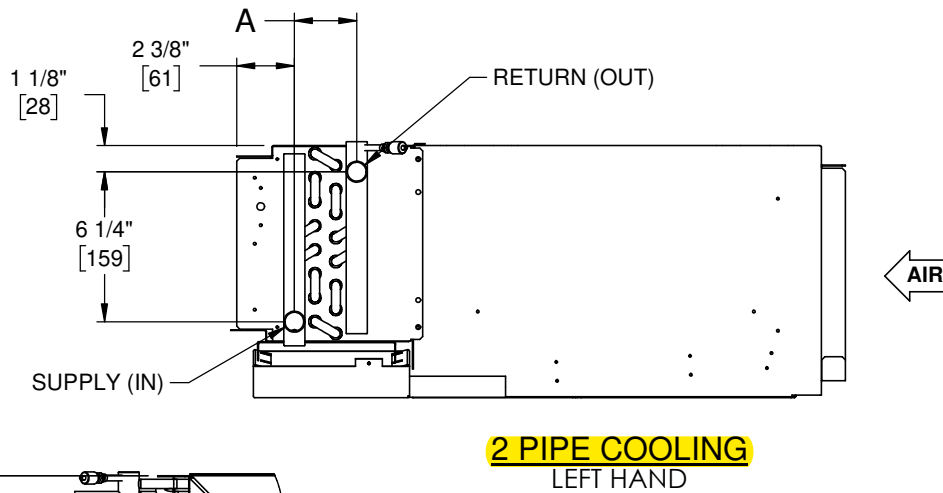
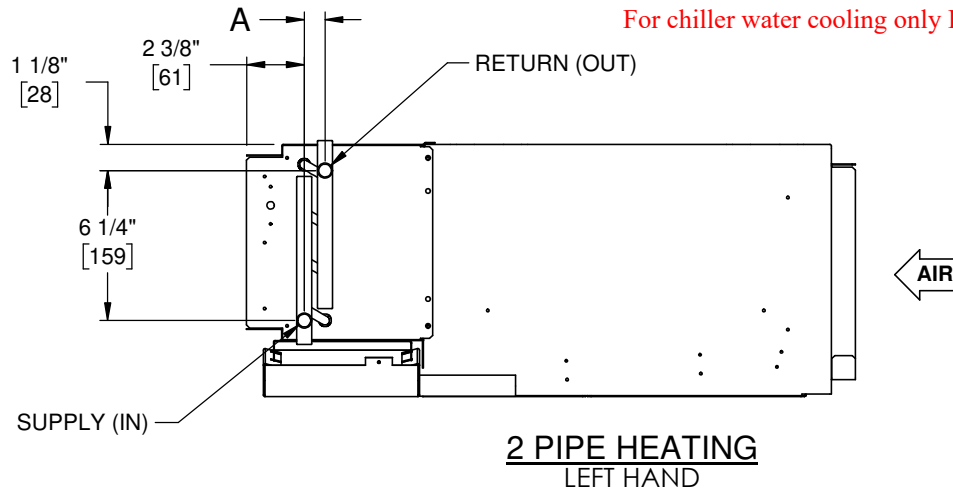
TITLE:

**MODEL FHP WITH EH
FCU SERIES D COOLING & HEATING**

| DATE | SHEET | DRAWING NO | REV |
|----------|-------------|------------|-----|
| 09/17/20 | PAGE 1 OF 1 | 47-80114-J | A |

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For chiller water cooling only FCUs:



NOTES:

1. All dimensions are inches [millimeters]
All dimensions $\pm 1/2$ [13mm].
Metric values are soft conversion.
2. All drawings subject to change without notice.
3. Model "FHP" unit shown, typical for model "FHF" units. Connections shown are internal on "FHX" units.
4. Connection Size:
Chilled Water: 7/8 ODM (3/4" NOM.)
Hot Water: 5/8 ODM (1/2" NOM.)
5. Standard externally foam coated galvanize steel drain pan has 7/8" ODM copper outlet.
Stainless steel drain pan has 3/4" MPT galvanize steel outlet.
6. Aux. drain outlet is 5/8" ODM copper or 3/8" MPT galvanized steel respectively. Aux. drain outlet is always on viewer's left when facing outlet end of drain pan, regardless of unit hand.

| Unit Type | Coil Rows | A |
|----------------|-----------|--------------|
| 2 Pipe Heating | 1 | 1" [25] |
| | 2 | 7/8" [22] |
| 2 Pipe Cooling | 2 | 1 1/8" [29] |
| | 3 | 1 3/4" [44] |
| | 4 | 2 5/8" [67] |
| | 5 | 3 1/2" [89] |
| | 6 | 4 3/8" [111] |



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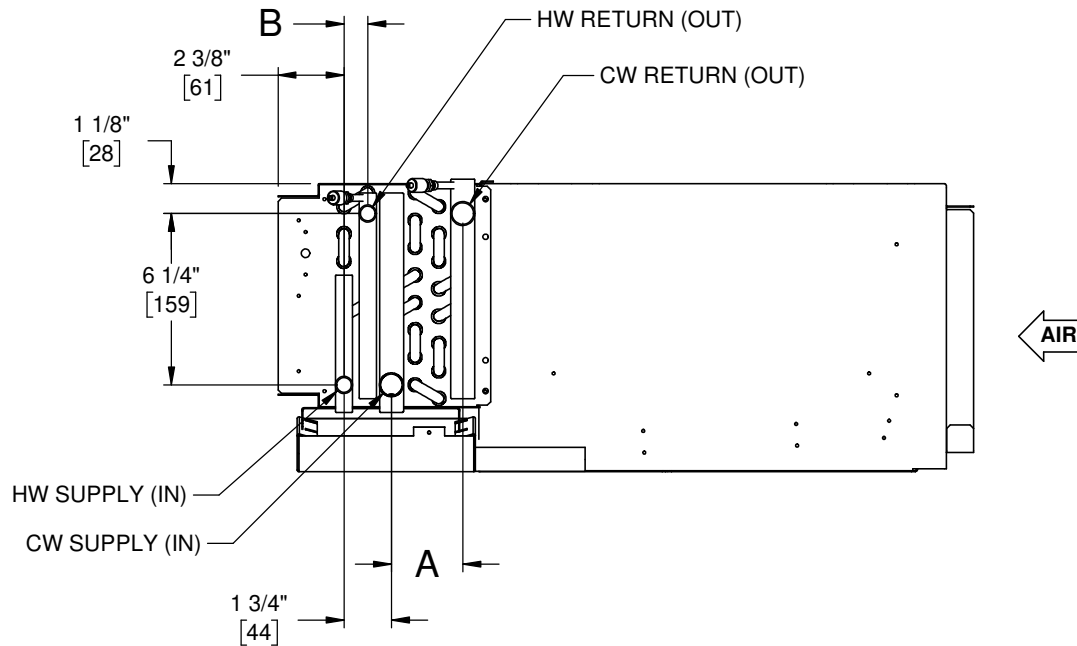
DO NOT SCALE DRAWING
DIMENSIONS ARE IN INCH [MM] FORMAT
+/- 1/8 [3] UNLESS OTHERWISE NOTED

TITLE: **MODEL FHP/F FAN COIL UNIT SERIES D**
WATER COIL CONNECTION LOCATIONS

| DATE | SHEET | DRAWING NO | REV |
|----------|-------------|------------|-----|
| 10/17/18 | PAGE 1 OF 3 | 47-80115-J | 02 |

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For chilled water cooling with hot water re-heat FCUs:



4 PIPE RE-HEAT LEFT HAND

NOTES:

- All dimensions are inches [millimeters]
All dimensions $\pm 1/2$ [13mm].
Metric values are soft conversion.
- All drawings subject to change without notice.
- Model "FHP" unit shown, typical for model "FHF" units. Connections shown are internal on "FHX" units.
- Connection Size:
Chilled Water: 7/8 ODM (3/4" NOM.)
Hot Water: 5/8 ODM (1/2" NOM.)
- Standard externally foam coated galvanize steel drain pan has 7/8" ODM copper outlet.
Stainless steel drain pan has 3/4" MPT galvanize steel outlet.
- Aux. drain outlet is 5/8" ODM copper or 3/8" MPT galvanized steel respectively. Aux. drain outlet is always on viewer's left when facing outlet end of drain pan, regardless of unit hand.

4 Pipe Re-Heat

| Coil 1 Rows | A | Coil 2 Rows | B |
|-------------|-------------|-------------|-----------|
| 2 | 1 1/8" [29] | 1 | 1" [25] |
| 3 | 1 3/4" [44] | 1 | 1" [25] |
| 4 | 2 5/8" [67] | 1 | 1" [25] |
| 5 | 3 1/2" [89] | 1 | 1" [25] |
| 2 | 1 1/8" [29] | 2 | 7/8" [22] |
| 3 | 1 3/4" [44] | 2 | 7/8" [22] |
| 4 | 2 5/8" [67] | 2 | 7/8" [22] |



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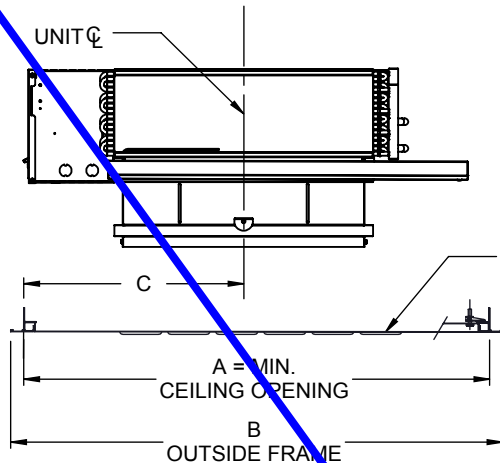
DO NOT SCALE DRAWING
DIMENSIONS ARE IN INCH (MM) FORMAT
+/- 1/8 [3] UNLESS OTHERWISE NOTED

**TITLE: MODEL FHP/F FAN COIL UNIT SERIES D
WATER COIL CONNECTION LOCATIONS**

| DATE | SHEET | DRAWING NO | REV |
|----------|-------------|------------|-----|
| 10/17/18 | PAGE 2 OF 3 | 47-80115-J | 02 |

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~~For FCU 4.01 FCU 4.02, FCU 4.03 only~~

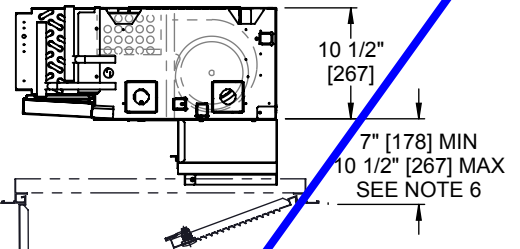


FRONT VIEW

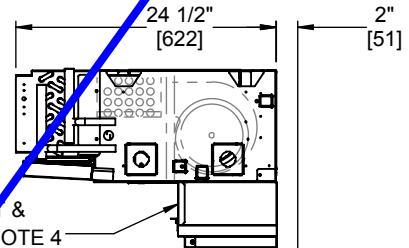
CEILING LINE
(REF)

13 1/4"
[337]

LOUVERED BOTTOM
PANEL, SEE NOTE 3

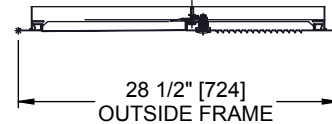


SIDE VIEW

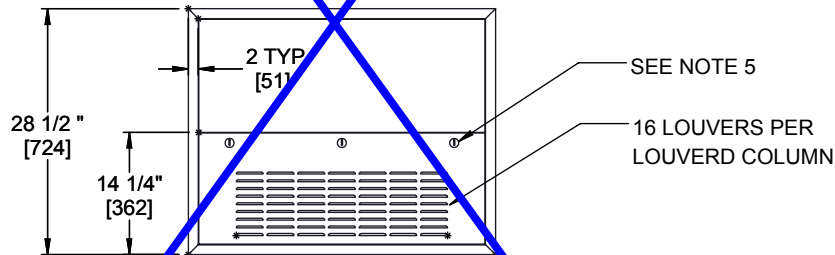


TELESCOPING INLET SKIRT &
COLLAR ASSEMBLY, SEE NOTE 4

26 3/4" [679]
MIN. CEILING OPENING



SIDE VIEW



BOTTOM VIEW

DIMENSIONS

| UNIT SIZE | A | B | C |
|-----------|-------------------|-------------------|-------------------|
| 02 | 38 1/4" [972] | 40 1/4" [1022] | 19 1/8" [486] |
| 03 | 41 1/2" [1054] | 43 1/2" [1105] | 20 3/4" [527] |
| 04 | 46 1/2" [1181] | 48 1/2" [1222] | 23 1/4" [591] |
| 06 | 53 1/4" [1353] | 55 1/4" [1403] | 26 5/8" [676] |
| 08 | 60 1/4" [1530] | 62 1/4" [1581] | 30 1/8" [765] |
| 09 | 64 1/2" [1638] | 66 1/2" [1689] | 32 1/4" [819] |
| 10 | 74 1/4" [1885] | 76 1/4" [1937] | 37 1/8" [943] |
| 12 | 82 1/4" [2089] | 84 1/4" [2140] | 41 1/8" [1045] |

NOTES:

1. All dimensions in Inches [millimeters]. All dimensions $\pm 1/4$ " [6mm]. Metric values are soft conversion.
2. Left hand unit shown, right hand unit opposite.
3. Portions of the inlet louver not directly below unit inlet may require covering in the field on applications where infiltration of ceiling plenum air into space is undesired.
4. Telescoping skirt and collar assembly must be field adjusted to assure a proper fit between filter frame and louvered inlet panel assembly.
5. 1/4 Turn latch, (2) qty for standard sizes, (3) qty for sizes 10-12.
6. Please reference the external feature space requirements submittal for complete service space requirements. Service access may be limited based on the panels are installed in relation to the unit.

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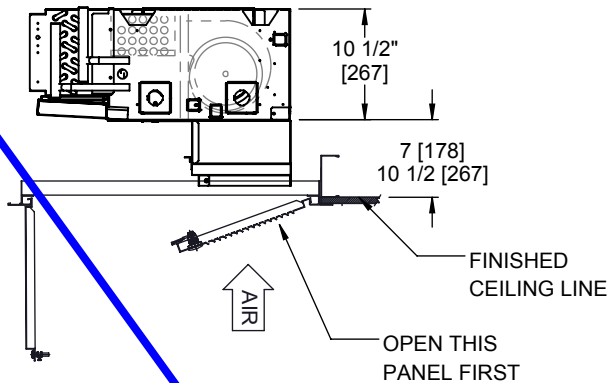


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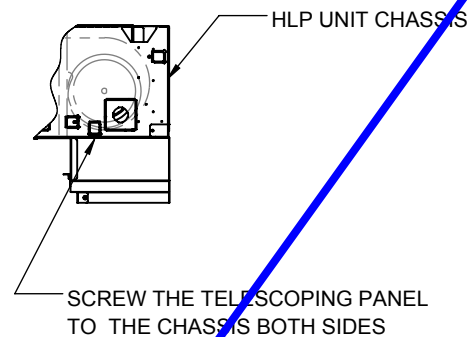
DO NOT SCALE DRAWING
DIMENSIONS ARE IN INCHES UNLESS
OTHERWISE NOTED

| | | | |
|---|-------------|------------|-----|
| TITLE: | | | |
| MODEL FHP FAN COIL UNIT SERIES D TELESCOPING PANEL | | | |
| DATE | SHEET | DRAWING NO | REV |
| 04/06/16 | PAGE 1 OF 1 | 47-80119-J | 01 |



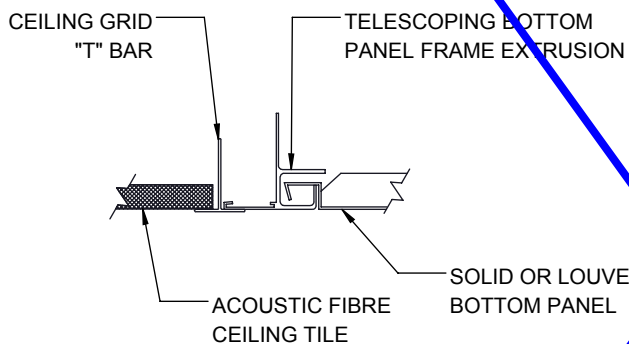
SIDE VIEW

TYPICAL INSTALLATION METHODS



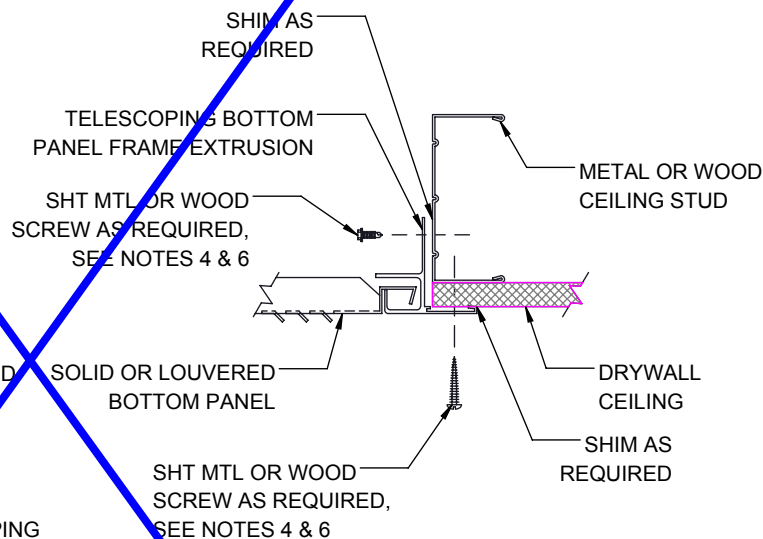
SIDE VIEW

INLET COLLAR INSTALLATION



NOTE: CEILING "T" BAR GRID MAY NOT SUPPORT TELESCOPING BOTTOM PANEL ASSEMBLY. BOTTOM PANEL ASSEMBLY MAY REQUIRE INDEPENDENT SUPPORT.

SUSPENDED GRID/TILE CEILING SYSTEM



STUD/DRYWALL CEILING SYSTEM

NOTE:

1. All dimensions are inches [millimeters]. All dimensions $\pm 1/4"$ [6mm]. Metric values are soft conversion.
2. All drawings subject to change without prior notice.
3. Left hand unit shown, right hand unit opposite.
4. Mounting hardware not provided. Mounting holes are located.
5. Remove solid and louvered bottom panels before mounting frame assembly.
6. Frame assembly must be installed flat and square. Failure to do so may result in poor bottom panel fit and improper airflow pattern. Shim frame to support as required.
7. Telescoping skirt assembly must be field adjusted to assure close fit to louvered bottom panel.
8. Portions of the inlet louver not directly below unit inlet may require covering in the field on applications where infiltration of ceiling plenum air into space is undesired.

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SUBMITTAL DRAWING

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TITLE:

MODEL FHP

FAN COIL UNIT SERIES D TELESCOPING PANEL INSTALLATION INSTRUCTIONS

DATE

04/06/16

SHEET

PAGE 1 OF 1

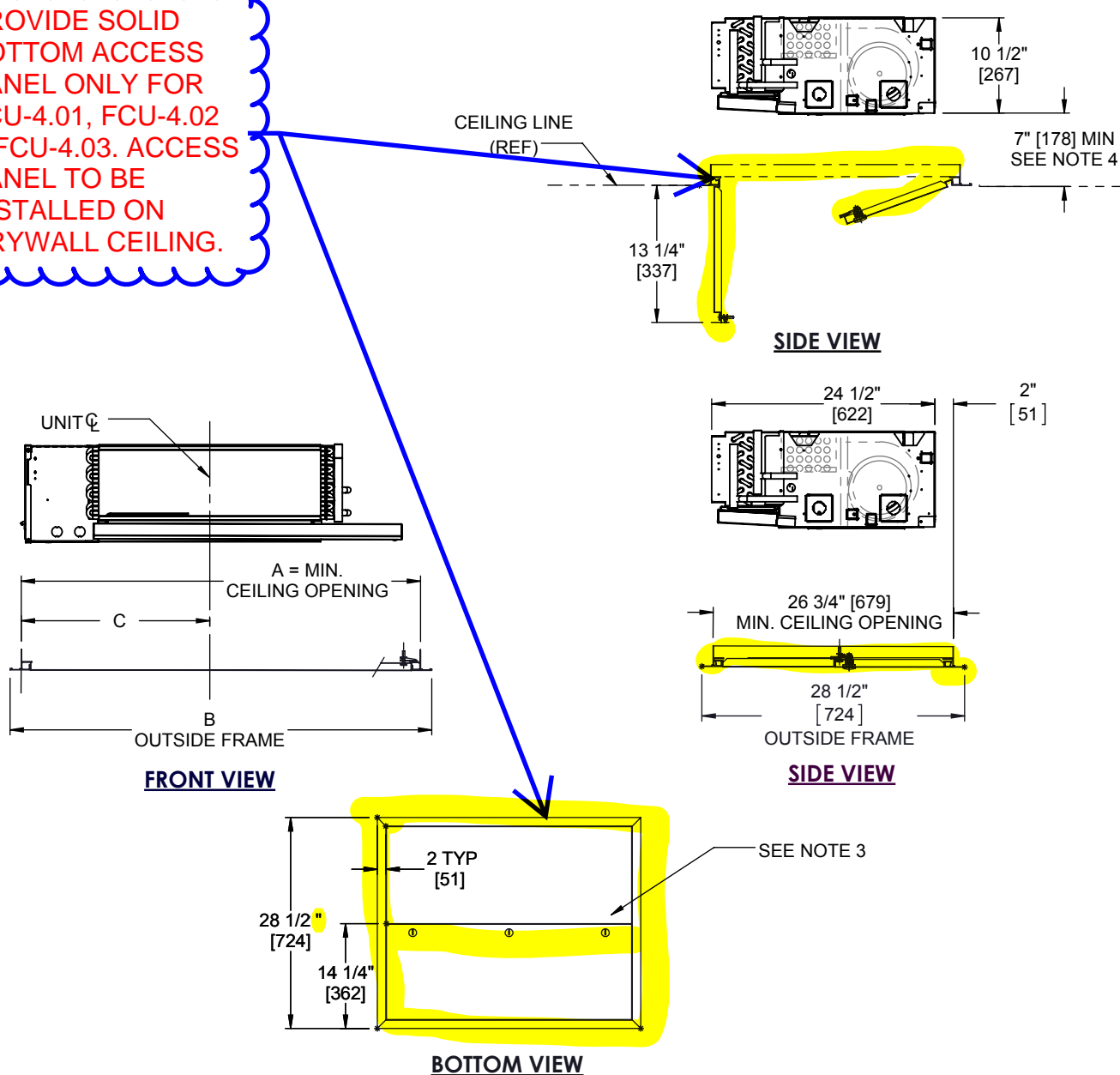
DRAWING NO

47-80120-J

REV

00

**PROVIDE SOLID
BOTTOM ACCESS
PANEL ONLY FOR
FCU-4.01, FCU-4.02
& FCU-4.03. ACCESS
PANEL TO BE
INSTALLED ON
DRYWALL CEILING.**



DIMENSIONS

| UNIT SIZE | A | B | C |
|-----------|----------------|----------------|----------------|
| 02 | 38 1/4" [972] | 40 1/4" [1022] | 19 1/8" [486] |
| 03 | 41 1/2" [1054] | 43 1/2" [1105] | 20 3/4" [527] |
| 04 | 46 1/2" [1181] | 48 1/2" [1232] | 23 1/4" [591] |
| 06 | 53 1/4" [1353] | 55 1/4" [1403] | 26 5/8" [676] |
| 08 | 60 1/4" [1530] | 62 1/4" [1581] | 30 1/8" [765] |
| 09 | 64 1/2" [1638] | 66 1/2" [1689] | 32 1/4" [819] |
| 10 | 74 1/4" [1885] | 76 1/4" [1937] | 37 1/8" [943] |
| 12 | 82 1/4" [2089] | 84 1/4" [2140] | 41 1/8" [1045] |

NOTES:

1. All dimensions in Inches [millimeters]. All dimensions $\pm 1/4"$ [6mm]. Metric values are soft conversion.
2. Left hand unit shown, right hand unit opposite.
3. 1/4 Turn latch, (2) qty for standard sizes, (3) qty for sizes 10-12.
4. Please reference the external feature space requirements submittal for complete service space requirements. Service access may be limited based on the panels are installed in relation to the unit.

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TITLE:

**MODEL FHP & FHF
FAN COIL UNIT SERIES D SOLID BOTTOM ACCESS PANEL**

DATE

04/06/16

SHEET

PAGE 1 OF 1

DRAWING NO

47-80121-J

REV

01

RECEIVING / RIGGING INSTRUCTIONS

The installing contractor is responsible to provide Johnson Controls / YORK with a contact to coordinate the delivery of the equipment in this submittal. Please fill out the information requested in the Submittal Approval Form section in the back of this submittal.

It is the installing contractor's responsibility to verify the following prior to signing the bill of lading presented by the transportation company:

- Ensure everything on the bill of lading was delivered.
- Visually perform a thorough inspection of all equipment for any signs of shipping damage

Any short-shipments or shipping damage must be noted on the bill of lading prior to signing.

The transportation company will provide you with instructions for filing a claim. It is the installing contractor's responsibility to work directly with the transportation company to resolve any shipping claims.

Equipment Release Approval Form

SUBMITTAL NOTES

Product Type: Fan coils

Unit Tags: FCU-

The following table must be completed prior to releasing the equipment for fabrication. Please initial the column indicating the information contained in this submittal has been verified, or indicate to refer to a marked-up page.

| SUBMITTAL VERIFICATION | |
|---|--------------------|
| | Purchaser Initials |
| Electrical voltage and electrical connections are compatible with jobsite requirements. | |
| Piping / Ductwork connections shown in this submittal are correct . | |
| Unit tag designations are correct. | |
| Equipment dimensions (length, width, and height) and weights have been verified to comply with jobsite conditions and rigging requirements. Please indicate approval by your initials on all included drawings. | |
| Verify "Unit Hand" of any Air Handling Equipment | |

Important Notes:

- 1) Actual fabrication release cannot commence until this form is signed by the customer and returned to JCI along with a release notification want date and ship to address.
- 2) Equipment "lead-time" does not start until confirmed release documentation is received, and the order is actually released to the factory.
- 3) Modifications to equipment configurations after fabrication release may impact cost and lead-time
- 4) Attached configurations are as shown in the approved equipment submittals or as defined in superseding customer correspondence.
- 5) AHU "Side" / "Hand" orientation is relative to a person standing inside an AHU with air hitting the back of the head.
- 6) Note that once this document is confirmed, the equipment configurations defined by this document take precedence over all other documents.
- 7) "Want date" and/or "ship to address" changes made after this document is confirmed may impact cost and lead-time.
- 8) Air handler drawings also include shipping split explosions with corresponding weights and dimensions. If additional splits are required, there will be additional costs and the unit length will increase.

Please fill out the following table and refer to the receiving/rigging instructions in this submittal to help ensure a smooth delivery and installation of the equipment.

| DELIVERY INFORMATION | |
|--|-----------------------------------|
| | Please fill out information below |
| Contact name for coordinating delivery of equipment with transportation company | |
| Contact phone number | |
| Advance notice required from transportation company prior to delivering equipment (typically 48 hours) | |
| Ship to address: | |
| Other special shipping instructions or requirements | |

CUSTOMER APPROVAL:

Customer Name: _____

Signature (*) _____

Date: _____