ACTIVE CHILLED BEAM MODULAR

OPTIONS:
- INLET LOCATION (SEE PAGE 2)
- INLET DAMPER (SEE PAGE 2)
- VOLUME FLOW REGULATOR (SEE PAGE 6)
- MOUNTING BRACKET (SEE PAGE 3 & 4)

NOZZLE SIZE:
- 101
- 201
- 301
- 401
- 501
- 601

COIL TYPE:
- 2P2C-NODV - 2 PIPE, 2 CIRCUIT
- 2P2C-DV - 2 PIPE, 2 CIRCUIT W/ DRAIN AND VENT
- 4C2C-NODV - 4 PIPE, 2 CIRCUIT
- 4P2C-DV - 4 PIPE, 2 CIRCUIT W/ DRAIN AND VENT

COIL CONNECTION:
- SWT - 1/2" SWEAT
- FNPT - 1/2" NPT - FEMALE
- MNPT - 1/2" NPT - MALE

COIL FINISH:
- NONE - UNPAINTED (DEFAULT)
- BLK - BLACK PAINTED COIL

INLET SIZE:
- 4 - 4" ROUND
- 5 - 5" ROUND
- 6 - 6" ROUND
- 8E - 8" EQUIVALENT OVAL (4"H X 10.125"W, AVAILABLE FOR SIDE ONLY)
- 8 - 8" ROUND (AVAILABLE FOR TOP ONLY)
- 10 - 10" ROUND (AVAILABLE FOR TOP ONLY)

FACE STYLE:
- P - PERFORATED (DEFAULT)
- G - GRILLE

INTERIOR AND PLENUM FINISH:
- GLV - UNPAINTED GALVANNEAL (DEFAULT)
- MATCH - MATCHES UNIT FINISH
- B17 - BLACK COLOR

INSULATION:
- NONE (DEFAULT)
- INT - INTERNAL 1/8" FIBERFREE
- EXT - EXTERNAL 1/2" FIBERFREE
- INEX - INTERNAL & EXTERNAL

PROTECTIVE FILM:
- NONE (DEFAULT)
- PF - PROTECTIVE FILM

FINISH:
- B12 - STANDARD WHITE (DEFAULT)
- SPL - SPECIAL COLOR

ELEVATION
- SEA LEVEL
- HIGH ALTITUDE _______ FT

NOTES:
- STANDARD CONSTRUCTION: 20 GAUGE CASING CONSTRUCTION (STEEL)
- COIL HANDING IS FIXED
- FACTORY TOLERANCE +/- 1/32

<table>
<thead>
<tr>
<th>NOMINAL LENGTH</th>
<th>ACTUAL LENGTH (L)</th>
<th>INLET LOCATION</th>
<th>INLET SIZE</th>
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<td>23 3/4&quot;</td>
<td>TOP (T)</td>
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<td>SIDE (A/B)</td>
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PROJECT:

ENGINEER: DY

CUSTOMER: 271260

SUBMITTAL DATE: 2019/07/23

SPEC. SYMBOL: ACBM

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ACTIVE CHILLED BEAM MODULAR

INLET LOCATION:
- T - TOP
- A - SIDE A
- B - SIDE B

TOP INLET

SIDE A INLET

SIDE B INLET

TOP AIR INLET

ACTUAL LENGTH

SIDE A AIR INLET

ACTUAL LENGTH

SIDE B AIR INLET

ACTUAL LENGTH

COIL PIPING SIDE VIEW

COIL PIPING SIDE VIEW

COIL PIPING SIDE VIEW

PROJECT:

ENGINEER:

CUSTOMER:

SUBMITTAL DATE: SPEC. SYMBOL:

2019/07/23 271260

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SHEET 2 OF 6 REV. 0 ACBM-1-1
ACTIVE CHILLED BEAM MODULAR

MOUNTING BRACKET:
- □ FIX - FIXED BRACKET (DEFAULT)
- □ DIN - ADJUSTABLE BRACKET

FIXED MOUNTING BRACKET SHOWN
TOP INLET

ADJUSTABLE MOUNTING BRACKET SHOWN
TOP INLET

FIXED BRACKET AMOUNT PER LENGTH

<table>
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<tr>
<th>NOMINAL LENGTH</th>
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<th>BRACKET LENGTH (C)</th>
<th>LENGTH (D)</th>
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<td>2 1/2&quot;</td>
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<td>4</td>
<td>11&quot;</td>
<td>5 7/16&quot;</td>
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ADJUSTABLE BRACKET AMOUNT PER LENGTH

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<th>QTY</th>
<th>BRACKET TRAVEL LENGTH (E)</th>
<th>LENGTH (F)</th>
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<td>4</td>
<td>3&quot;</td>
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<td>4</td>
<td>9&quot;</td>
<td>5 15/16&quot;</td>
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</table>

PROJECT:  
ENGINEER:  
CUSTOMER:  
SUBMITTAL DATE:  
SPEC. SYMBOL:  
2019/07/23
ACTIVE CHILLED BEAM MODULAR

DAMPER OPTIONS (SHIPPED LOOSE):
(DAMPERS SHOULD NOT BE MOUNTED DIRECTLY TO THE INLET AND SHOULD ONLY BE USED FOR TRIMMING AIRFLOW)

- NONE (DEFAULT)
- MQ4 - 4” DAMPER W/ MANUAL LOCKING QUADRANT
- MQ5 - 5” DAMPER W/ MANUAL LOCKING QUADRANT
- MQ6 - 6” DAMPER W/ MANUAL LOCKING QUADRANT
- MQ8 - 8” DAMPER W/ MANUAL LOCKING QUADRANT

- VAV4 - 4” DAMPER W/ 24VAC FLOATING POINT ACTUATOR
- VAV5 - 5” DAMPER W/ 24VAC FLOATING POINT ACTUATOR
- VAV6 - 6” DAMPER W/ 24VAC FLOATING POINT ACTUATOR
- VAV8 - 8” DAMPER W/ 24VAC FLOATING POINT ACTUATOR

O + 1/2"
ACTIVE CHILLED BEAM MODULAR

VOLUME FLOW REGULATOR OPTIONS (SHIPPED LOOSE):

- NONE (DEFAULT)
- VFR4-10 - 4" DUCT VFR, 10 CFM
- VFR4-20 - 4" DUCT VFR, 20 CFM
- VFR4-25 - 4" DUCT VFR, 25 CFM
- VFR4-30 - 4" DUCT VFR, 30 CFM
- VFR4-35 - 4" DUCT VFR, 35 CFM
- VFR4-45 - 4" DUCT VFR, 45 CFM
- VFR4-50 - 4" DUCT VFR, 50 CFM
- VFR4-60 - 4" DUCT VFR, 60 CFM

- VFR5-35 - 5" DUCT VFR, 35 CFM
- VFR5-50 - 5" DUCT VFR, 50 CFM
- VFR5-60 - 5" DUCT VFR, 60 CFM
- VFR5-75 - 5" DUCT VFR, 75 CFM
- VFR5-90 - 5" DUCT VFR, 90 CFM
- VFR5-105 - 5" DUCT VFR, 105 CFM
- VFR6-75 - 6" DUCT VFR, 75 CFM
- VFR6-90 - 6" DUCT VFR, 90 CFM
- VFR6-105 - 6" DUCT VFR, 105 CFM
- VFR6-125 - 6" DUCT VFR, 125 CFM
- VFR6-140 - 6" DUCT VFR, 140 CFM
- VFR6-160 - 6" DUCT VFR, 160 CFM
- VFR6-175 - 6" DUCT VFR, 175 CFM

- VFR8-125 - 8" DUCT VFR, 125 CFM
- VFR8-140 - 8" DUCT VFR, 140 CFM
- VFR8-160 - 8" DUCT VFR, 160 CFM
- VFR8-175 - 8" DUCT VFR, 175 CFM
- VFR8-205 - 8" DUCT VFR, 205 CFM
- VFR8-235 - 8" DUCT VFR, 235 CFM
- VFR8-265 - 8" DUCT VFR, 265 CFM
- VFR8-295 - 8" DUCT VFR, 295 CFM

STANDARD CONSTRUCTION:
- BLACK ABS PLASTIC, UL94V-0 RATED
- UL2042 LISTED
- SIZED TO FIT INSIDE STANDARD RIGID ROUND DUCTING
- INTEGRATED GASKET FOR SEALING AGAINST INSIDE OF DUCT

PERFORMANCE:
- CONTROLS AIRFLOW WITHIN 10% OF RATED FLOW (15% FOR UNITS 50CFM OR LESS) FOR 0.2" TO 0.8" W.C.

Duct Size | A  | B  | C  | AIRFLOW SELECTIONS (CFM)
--- | --- | --- | --- | ---
4" (100) | 3.800 | 4.100 | 2.300 | 10, 20, 25, 30, 35, 45, 50, 60
5" (125) | 4.800 | 5.100 | 3.500 | 35, 50, 60, 75, 90, 105
6" (150) | 5.800 | 6.100 | 3.500 | 75, 90, 105, 125, 140, 160, 175
8" (200) | 7.600 | 8.100 | 3.500 | 125, 140, 160, 175, 205, 235, 265, 295

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