12" WIDE ACTIVE CHILLED BEAM LINEAR - HIGH EFFICIENCY

STANDARD CONSTRUCTION:
- All metal assembly
- Aluminum fins
- Copper water piping
- Steel nozzle plate

ELEVATION:
- Sea level
- High altitude ______ FT

CASING GAUGE:
- 24 gauge (default)
- 20 gauge

FINISH COLOR (FACE):
- B12 white powder paint
- B25 special powder paint

PLENUM COLOR:
- Not visible from room side:
  - Unpainted galvaneal (default)
  - Match - matches finish color

FACE STYLE:
- Perforated (shown)
- Bar grille (extruded aluminum)

COIL CONNECTION:
- 1/2" sweat
- 1/2" NPT - Female

NOZZLE SIZE:
- 10
- 20
- 30
- 40

INSULATION:
- 1/8" Fiberglass - internal
- 1/2" Insulation - external

COIL TYPE:
- 2P1C = 2 pipe, 1 circuit
- 2P2C = 2 pipe, 2 circuit
- 4P1C = 4 pipe, 1 circuit
- 4P2C = 4 pipe, 2 circuit
- 2P1C-DV = 2 pipe, 1 circuit, with drain & vents
- 2P2C-DV = 2 pipe, 2 circuit, with drain & vents
- 4P1C-DV = 4 pipe, 1 circuit, with drain & vents
- 4P2C-DV = 4 pipe, 2 circuit, with drain & vents

INLET SIZE (D):
- 5" round
- 6" round (top only)
- 8" oval equiv. (4"Hx7"W)
- 8" round (top only)
- 8" oval equiv. (4"Hx10"W)

COIL LENGTH:
- Nominal: LENGTH 24 = 23.750, 17.19 lbs
- Actual: LENGTH 24 = 23.750, 17.19 lbs

WEIGHTS ARE FOR PERFORATED FACE STYLE UNITS

NOTES:
- Factory tolerance +/- 1/32"
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2-WAY DISCHARGE
INLET LOCATION OPTIONS:
- A - SIDE A
- B - SIDE B
- T - TOP

1-WAY DISCHARGE
COIL LOCATION OPTION:
- RH - RIGHT HAND (DEFAULT)
- LH - LEFT HAND

ONLY SIDE B INLET LOCATION IS AVAILABLE

AIR DISCHARGES THIS DIRECTION (1-WAY DISCHARGE ONLY)

COIL PIPING LOCATION OPTION LEFT HAND (LH) (1-WAY ONLY)

COIL PIPING LOCATION OPTION RIGHT HAND (RH) (SHOWN)

DOOR CAN HINGE ON BOTH SIDES (NOT SELECTABLE FOR 2-WAY)

ACTIVE COIL LENGTH L / 2

PROJECT:
ENGINEER:
CUSTOMER:
SUBMITTAL DATE:
SPEC. SYMBOL:

CT
266523
2016/05/17
ACBL-HE
12" WIDE
ACTIVE CHILLED BEAM LINEAR HIGH EFFICIENCY

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SHEET 2 OF 6 REV: 0
12" WIDE ACTIVE CHILLED BEAM LINEAR - HIGH EFFICIENCY

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

- MQ5 - 5" DAMPER W/ MANUAL LOCKING QUADRANT
- MQ6 - 6" DAMPER W/ MANUAL LOCKING QUADRANT
- MQ8 - 8" DAMPER W/ MANUAL LOCKING QUADRANT

- VAV5 - 5" DAMPER W/ 24VAC FLOATING POINT ACTUATOR
- VAV6 - 6" DAMPER W/ 24VAC FLOATING POINT ACTUATOR
- VAV8 - 8" DAMPER W/ 24VAC FLOATING POINT ACTUATOR

*SEE SUBMITTAL 255245 FOR AVAILABLE FIXED VOLUME FLOW REGULATORS

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PROJECT: ACBL-HE
12" WIDE
ACTIVE CHILLED BEAM
LINEAR
HIGH EFFICIENCY

ENGINEER: CT

CUSTOMER: 266523

SUBMITTAL DATE: 2016/05/17

SPEC. SYMBOL:
12" WIDE ACTIVE CHILLED BEAM LINEAR - HIGH EFFICIENCY

☐ ABS12 - FACE ACCESSIBLE BLANK SECTION, COIL SIDE
(ADD 12" TO ACTIVE COIL LENGTH)
(LOCATED ON COIL CONNECTION END)

* OVERALL LENGTH OF BEAM IS INCREASED BY 12"
MAXIMUM OVERALL BEAM LENGTH IS 120"

☐ RET12 - RETURN/EXHAUST SECTION
(ADD 12" TO ACTIVE COIL LENGTH)

* OVERALL LENGTH OF BEAM IS INCREASED BY 12"
MAXIMUM OVERALL BEAM LENGTH IS 120"

☐ ADS12 - ADDITIONAL AIR DIFFUSER SECTION
(ADD 12" TO ACTIVE COIL LENGTH)

☐ ADS24 - ADDITIONAL AIR DIFFUSER SECTION
(ADD 24" TO ACTIVE COIL LENGTH)

* MAXIMUM OVERALL BEAM LENGTH IS 120"

INLET SIDE
☐ A
☐ B
☐ T

LOCATED OPPOSITE OF COIL CONNECTION END

LOCATED OPPOSITE OF COIL CONNECTION END.
IF RETURN/EXHAUST ALSO SELECTED, ADS IS BETWEEN RETURN/EXHAUST AND ACTIVE BEAM SECTION
12" WIDE ACTIVE CHILLED BEAM LINEAR - HIGH EFFICIENCY

- SLIM - SLIM-LINE COUPLING
- NOTES: UNITS SHOWN WITHOUT ANY ACCESSORIES
- UNITS SHIP SEPARATELY. ASSEMBLY ON SITE REQUIRED
- GRILLE FACE IS NOT CONTINUOUS

BEAMS INSTALLED IN CONTINUOUS LENGTH WITH BUTT END JOINTS
ADDITIONAL MIDDLE BEAMS CAN BE ADDED

SLIMLINE SECTION 1
ISLIM-I

SLIMLINE SECTION MID
ISLIM-MID

SLIMLINE SECTION 2
ISLIM-2

OVERALL LENGTH

11 3/4"

1-WAY DISCHARGES TO SIDE B INLET ONLY

SIDE B

TOP

SIDE A

COIL PIPING LOCATION OPTION
LEFT HAND (LH) (OPTIONAL)

COIL PIPING LOCATION OPTION
RIGHT HAND (RH) (SHOWN)

PIN LATCHES TO OPEN FACES

BEAMS INSTALLED IN CONTINUOUS LENGTH WITH BUTT END JOINTS

ALIGNMENT BRACKET SLIDES FROM ONE BEAM TO NEXT AFTER INSTALLATION, AND LOCKS IN PLACE SIMILAR TO BEAM MOUNTING BRACKET (SCREWS PROVIDED BY OTHERS)
12" WIDE ACTIVE CHILLED BEAM LINEAR - HIGH EFFICIENCY

- WNG6 - WING EXTENSIONS
  (SHIPPED ASSEMBLED)

OVERALL LENGTH + 3/4"

PROTECTIVE FILM:
- PF - PROTECTIVE FILM
  ON FACE AND AIR INLET

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