



Modular Hi-Rise Series

Fan Coils – Block-Out Construction



MPY



**Siamese
Ditto**

The purpose of this document is to provide rough guidelines for the block-out slot size for IEC Modular Hi-Rise units with risers included. Therefore, the floor block-out slot dimensions listed in this document should be considered as estimates. The Engineer for the project is ultimately responsible for the actual dimensions and meeting local code requirements.




Modular Hi-Rise Series Fan Coils

BLOCK-OUT CONSTRUCTION




Two-Pipe Modular Units

To select using the charts below, locate the appropriate model in the Standard 88" (2235) Cabinet chart (dimensions are given in Inches (Millimeters)). Then, follow the row across to locate the clear height. (If the clear height exceeds 96" (2438), use the 96" (2438) block-out size.) Under Type of Installation, read the block-out size. If your clear height is lower than listed or is not recommended (NR) in the Standard 88" (2235) Cabinet chart, use the Short 79" (2007) Cabinet chart. If your clear height is lower than listed or is not recommended (NR) in the Short 79" (2007) Cabinet chart, please contact the factory.

Standard 88" (2235) Cabinet

| Model | Clear Height | Block-Out Size Type of Installation | | |
|--------------------------------------|--------------------|--|---|---|
| | | Type 1 | Type 2 | Type 3* |
| | |  |  |  |
| | | W x L | W x L | W x L |
| Single Unit and Siamese Ditto | | | | |
| 03, 04 | 96" (2438) | 5-7/8" x 15" (149 x 381) | 5-1/8" x 15" (130 x 381) | 5" x 15" (127 x 381) |
| | 95" (2413) | 6-1/4" x 15" (159 x 381) | 5-3/8" x 15" (137 x 381) | |
| | 94" (2388) | 6-5/8" x 15" (168 x 381) | 5-5/8" x 15" (143 x 381) | |
| | 93" (2362) | 7" x 15" (178 x 381) | NR | |
| | 92" (2337) | 7-1/2" x 15" (191 x 381) | NR | NR |
| 06, 08 | 96" (2438) | 6-1/4" x 18" (159 x 457) | 5-3/8" x 18" (137 x 457) | 5" x 18" (127 x 457) |
| | 95" (2413) | 6-3/4" x 18" (171 x 457) | NR | |
| | 94" (2388) | 7-1/8" x 18" (181 x 457) | NR | |
| | 93" (2362) | 7-5/8" x 18" (194 x 457) | NR | |
| 10, 12 | 96" (2438) | 7-1/2" x 22" (191 x 559) | 5-1/8" x 22" (130 x 559) | 5" x 22" (127 x 559) |
| | 95" (2413) | 7-1/2" x 22" (191 x 559) | NR | |
| | 94" (2388) | 8" x 22" (203 x 559) | NR | |
| Ditto | | | | |
| 03, 04 | 93" (2362) & Above | Not recommended for standard Dittos. For Siamese Dittos, use Single unit guidelines. | | 5" x 15" (127 x 381) |
| 06, 08 | 93" (2362) & Above | | | 5" x 18" (127 x 457) |
| 10, 12 | 93" (2362) & Above | | | 5" x 22" (127 x 559) |

SHORT 79" (2007) Cabinet

| Model | Clear Height | Block-Out Size Type of Installation | | |
|--------------------------------------|--------------------|--|---|---|
| | | Type 1 | Type 2 | Type 3* |
| | |  |  |  |
| | | W x L | W x L | W x L |
| Single Unit and Siamese Ditto | | | | |
| 03, 04 | 91" (2311) | 4-3/4" x 15" (121 x 381) | 4-1/4" x 15" (108 x 381) | 5" x 15" (127 x 381) |
| | 90" (2286) | 5" x 15" (127 x 381) | 4-1/2" x 15" (114 x 381) | |
| | 89" (2261) | 5-3/8" x 15" (137 x 381) | 4-5/8" x 15" (117 x 381) | |
| | 88" (2235) | 5-3/4" x 15" (146 x 381) | 5" x 15" (127 x 381) | |
| 06, 08 | 91" (2311) | 5" x 18" (127 x 457) | 4-1/4" x 18" (108 x 457) | 5" x 18" (127 x 457) |
| | 90" (2286) | 5-3/8" x 18" (137 x 457) | 4-1/2" x 18" (114 x 457) | |
| | 89" (2261) | 5-3/4" x 18" (146 x 457) | 4-5/8" x 18" (117 x 457) | |
| | 88" (2235) | 6-1/8" x 18" (156 x 457) | 5" x 18" (127 x 457) | |
| 10, 12 | 91" (2311) | 5-5/8" x 22" (143 x 559) | 4-1/4" x 22" (108 x 559) | 5" x 22" (127 x 559) |
| | 90" (2286) | 6" x 22" (152 x 559) | 4-1/2" x 22" (114 x 559) | |
| | 89" (2261) | 6-1/2" x 22" (165 x 559) | 4-5/8" x 22" (117 x 559) | |
| | 88" (2235) | 7" x 22" (178 x 559) | 5" x 22" (127 x 559) | |
| Ditto | | | | |
| 03, 04 | 88" (2235) & Above | Not recommended for standard Dittos. For Siamese Dittos, use Single unit guidelines. | | 5" x 15" (127 x 381) |
| 06, 08 | 88" (2235) & Above | | | 5" x 18" (127 x 457) |
| 10, 12 | 88" (2235) & Above | | | 5" x 22" (127 x 559) |




- NOTES: *
- Not recommended for Siamese Ditto Installation.
 - CLEAR HEIGHT is the dimension from the floor to ceiling. (See Figure 1 on back cover.)
 - The above charts allow 1" (25) tolerance in clear height to allow for variance in floor-to-floor dimensions.
 - Consult factory for applications with 3" (76) and 4" (102) risers and insulations exceeding 3/4" (16).

Modular Hi-Rise Series Fan Coils

BLOCK-OUT CONSTRUCTION

Four-Pipe Modular Units

Standard 88" (2235) Cabinet




| Model | Clear Height | Block-Out Size – Type of Installation | | |
|--------------------------------------|--------------|--|---|---|
| | | Type 1 | Type 2 | Type 3* |
| | |  |  |  |
| | W x L | W x L | W x L | |
| Single Unit and Siamese Ditto | | | | |
| 03, 04 | 96" (2438) | 5-7/8" x 16" (149 x 406) A | 5-1/8" x 16" (130 x 406) A | 5" x 18" (127 x 457) B |
| | 95" (2413) | 6-1/4" x 16" (159 x 406) A | 5-3/8" x 16" (137 x 406) A | 5" x 18-1/4" (127 x 464) B |
| | 94" (2388) | 6-5/8" x 16" (168 x 406) A | 5-5/8" x 16" (143 x 406) A | 5" x 18-5/8" (127 x 473) B |
| | 93" (2362) | 7" x 16" (178 x 406) A | NR | |
| | 92" (2337) | 7-1/2" x 16" (191 x 406) A | NR | |
| 06, 08 | 96" (2438) | 6-1/4" x 18" (159 x 457) | 5-3/8" x 18" (137 x 457) | 5" x 18" (127 x 457) C |
| | 95" (2413) | 6-3/4" x 18" (171 x 457) | | 5" x 18-1/4" (127 x 464) C |
| | 94" (2388) | 7-1/8" x 18" (181 x 457) | NR | 5" x 18-5/8" (127 x 473) C |
| | 93" (2362) | 7-5/8" x 18" (194 x 457) | | NR |
| 10, 12 | 96" (2438) | 7" x 22" (178 x 559) | 5-1/8" x 22" (130 x 559) | 5" x 22" (127 x 559) |
| | 95" (2413) | 7-1/2" x 22" (191 x 559) | NR | |
| | 94" (2388) | 8" x 22" (203 x 559) | | NR |
| Ditto | | | | |
| 03, 04 | 96" (2438) | Not recommended for standard Dittos. For Siamese Dittos, use Single unit guidelines. | | 5" x 18" (127 x 457) B |
| | 95" (2413) | | | 5" x 18-1/4" (127 x 464) B |
| | 94" (2388) | | | 5" x 18-5/8" (127 x 473) B |
| 06, 08 | 96" (2438) | Not recommended for standard Dittos. For Siamese Dittos, use Single unit guidelines. | | 5" x 18" (127 x 457) C |
| | 95" (2413) | | | 5" x 18-1/4" (127 x 464) C |
| | 94" (2388) | | | 5" x 18-5/8" (127 x 473) C |
| 10, 12 | 96" (2438) | Not recommended for standard Dittos. For Siamese Dittos, use Single unit guidelines. | | 5" x 22" (127 x 559) |
| | 95" (2413) | | | |

NOTES: * Not recommended for Siamese Ditto Installation.

- CLEAR HEIGHT is the dimension from the floor to ceiling. (See Figure 1 on back cover.)
- The above charts allow 1" (25) tolerance in clear height to allow for variance in floor-to-floor dimensions.
- Consult factory for applications with 3" (76) and 4" (102) risers and insulations exceeding 3/4" (16).

- A Use 16" (406) block-out length for risers up to 1-1/2" (38) in diameter. Use 17" (432) block-out length for risers up to 2-1/2" (64) in diameter. Since the cabinet is 17" (432) wide, it may be necessary to cover the exposed block-out if the cabinet is not centered.
- B This block-out length is for risers up to 1-1/2" (38) in diameter. Add 1" to the block-out length for risers up to 2-1/2" (64) in diameter. Both block-out lengths are greater than the cabinet width. It will be necessary to cover the exposed block-out at the side(s) of the cabinet.
- C This block-out length is for risers up to 1-1/2" (38) in diameter. Add 1" (25) to block-out length for risers up to 2-1/2" (64) in diameter.
- D Use 17" (432) block-out length for risers up to 1-1/2" (38) in diameter. Since the cabinet is 17" (432) wide, it may be necessary to cover the exposed block-out if the cabinet is not centered. Use 18" (457) block-out length for risers up to 2-1/2" (64) in diameter. It will be necessary to cover the exposed block-out at the side(s) of the cabinet.

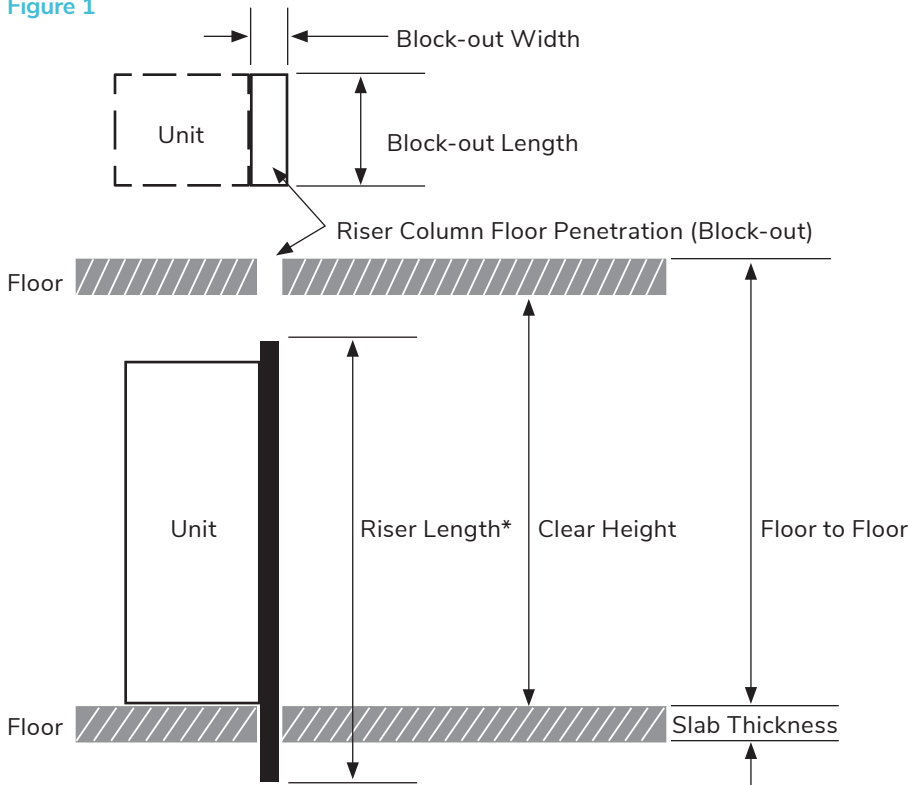
SHORT 79" (2007) Cabinet

| Model | Clear Height | Block-Out Size – Type of Installation | | | |
|--------------------------------------|--------------|--|---|---|--|
| | | Type 1 | Type 2 | Type 3* | |
| | |  |  |  | |
| | W x L | W x L | W x L | | |
| Single Unit and Siamese Ditto | | | | | |
| 03, 04 | 91" (2311) | 4-3/4" x 16" (121 x 406) A | 4-1/4" x 16" (108 x 406) A | 5" x 17" (127 x 432) D | |
| | 90" (2286) | 5" x 16" (127 x 406) A | 4-1/2" x 16" (114 x 406) A | | |
| | 89" (2261) | 5-3/8" x 16" (137 x 406) A | 4-5/8" x 16" (117 x 406) A | 5" x 17-1/2" (127 x 445) B | |
| | 88" (2235) | 5-3/4" x 16" (146 x 406) A | 5" x 16" (127 x 406) A | 5" x 17-3/4" (127 x 451) B | |
| 06, 08 | 91" (2311) | 5" x 18" (127 x 457) | 4-1/4" x 18" (108 x 457) | 5" x 18" (127 x 457) | |
| | 90" (2286) | 5-3/8" x 18" (137 x 457) | 4-1/2" x 18" (114 x 457) | | |
| | 89" (2261) | 5-3/4" x 18" (146 x 457) | 4-5/8" x 18" (117 x 457) | 5" x 18-1/2" (127 x 470) | |
| | 88" (2235) | 6-1/8" x 18" (156 x 457) | 5" x 18" (127 x 457) | 5" x 18-3/4" (127 x 476) | |
| 10, 12 | 91" (2311) | 5-5/8" x 22" (143 x 559) | 4-1/4" x 22" (108 x 559) | 5" x 22" (127 x 559) | |
| | 90" (2286) | 6" x 22" (152 x 559) | 4-1/2" x 22" (114 x 559) | | |
| | 89" (2261) | 6-1/2" x 22" (165 x 559) | 4-5/8" x 22" (117 x 559) | | |
| | 88" (2235) | 7" x 22" (178 x 559) | 5" x 22" (127 x 559) | | |
| Ditto | | | | | |
| 03, 04 | 91" (2311) | Not recommended for standard Dittos. For Siamese Dittos, use Single unit guidelines. | | 5" x 17" (127 x 432) D | |
| | 90" (2286) | | | | |
| | 89" (2261) | | | 5" x 17-1/2" (127 x 445) D | |
| | 88" (2235) | | | 5" x 17-3/4" (127 x 451) D | |
| 06, 08 | 91" (2311) | Not recommended for standard Dittos. For Siamese Dittos, use Single unit guidelines. | | 5" x 18" (127 x 457) | |
| | 90" (2286) | | | | |
| | 89" (2261) | | | 5" x 18-1/2" (127 x 470) | |
| | 88" (2235) | | | 5" x 18-3/4" (127 x 476) | |
| 10, 12 | 91" (2311) | Not recommended for standard Dittos. For Siamese Dittos, use Single unit guidelines. | | 5" x 22" (127 x 559) | |
| | 90" (2286) | | | | |
| | 89" (2261) | | | | |
| | 88" (2235) | | | | |

Modular Hi-Rise Series Fan Coils

BLOCK-OUT CONSTRUCTION

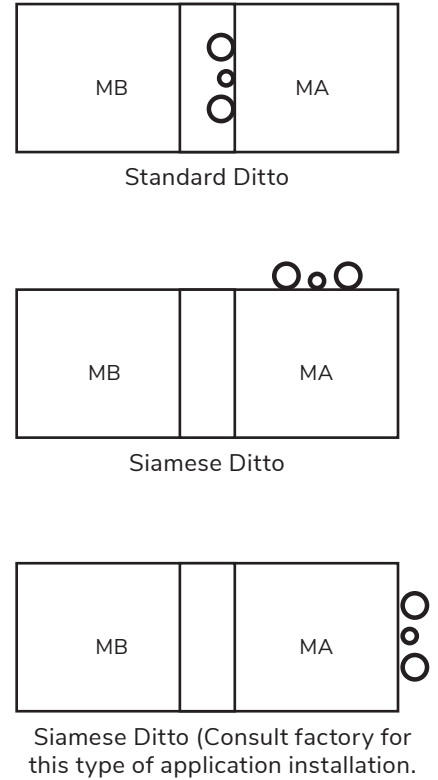
Figure 1



NOTES: * Riser Length = Floor-to-Floor Dimension \pm 2" (51) {Maximum riser length of 115" (2921)}. When riser length must exceed 115" (2921), use 104" (2642) riser length and extensions. Extensions Length = Floor-to-Floor Dimension \pm 4" (102) - 104" (2642).

Please contact IEC for information regarding product specifications and warranty information. Product specifications may change without notice.

Figure 2



Contact your local IEC Sales Representative for further details and pricing applicable to this product. Visit our website (iec-okc.com) to find your local IEC Sales Rep.

IEC Part Number: I100-90002119
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5000 W. I-40 Service Rd.
Oklahoma City, OK 73128
P: 405.605.5000
F: 405.605.5001
www.iec-okc.com