

## Specification Guide

# HD Series

## Premier Horizontal Evaporator Coils

with Side Connections



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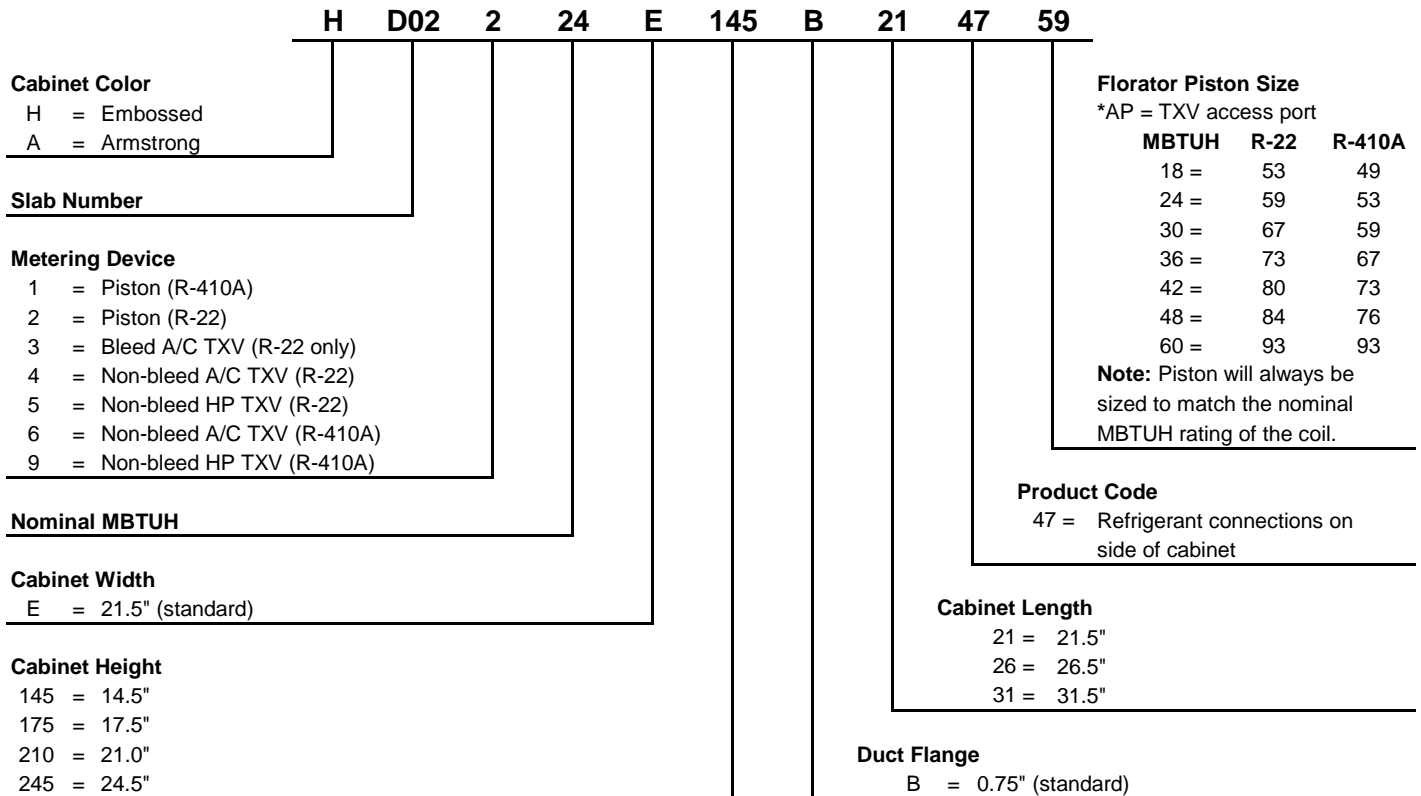


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# Product Features

- Rifled copper tubing.
- Short cabinet with easy access.
- Lanced fin design.
- Refrigerant connections are 3/8" ODF liquid and 7/8" ODF suction.
- Non-captive panels allow access to inside of cabinet without the need to cut refrigerant lines.
- Side panel with only six screws for fast and easy coil access.
- UV resistant drain pans are molded of high temperature (450 deg. F) engineered polymer.
- Coils are air pressure tested at 500 psi, leak tested with Helium, sealed with rubber plugs and then charged with dry air.
- Threaded expansion valves available factory installed or as a field installed kit.
- Heavy 24 gauge embossed galvanized cabinets fully lined with 5/8" foil faced insulation.
- All coils are foam packed and include bar coding on label.
- Easy to use filler strip, if coil dimensions are larger than furnace.
- Drain pan has trough to fully drain condensate away.
- Microban® antimicrobial additive to inhibit the growth of mold and mildew in the drain pan.

# Nomenclature



\* Standard on factory installed TXVs. Optional for piston models.

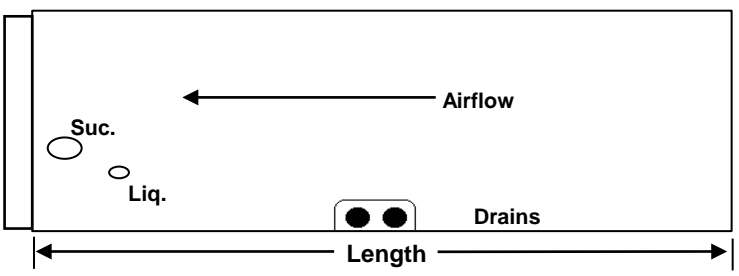
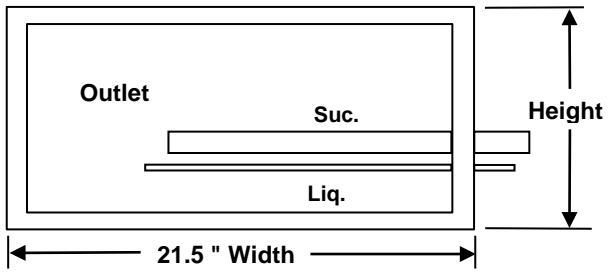
# Dimensions

| Slab Number | Nominal Tonnage | Pallet Quantity by Cabinet Height |       |       |       | Length (in) | Weight (lbs) |
|-------------|-----------------|-----------------------------------|-------|-------|-------|-------------|--------------|
|             |                 | 14.5"                             | 17.5" | 21.0" | 24.5" |             |              |
| D02         | 1.5 - 2.5       | 16                                | 16    | -     | -     | 21.5        | 47           |
| D03         | 2.0 - 3.0       | 8                                 | 8     | 6     | -     | 26.5        | 49           |
| D04         | 2.5 - 3.5       | -                                 | 8     | 6     | 2     | 26.5        | 45           |
| D05         | 2.5 - 4.0       | -                                 | 8     | 6     | -     | 26.5        | 47           |
| D06         | 3.0 - 4.0       | -                                 | 8     | 6     | 2     | 26.5        | 50           |
| D07         | 3.0 - 5.0       | -                                 | -     | 6     | 2     | 26.5        | 57           |
| D08         | 3.5 - 5.0       | -                                 | -     | 6     | 2     | 26.5        | 80           |
| D09         | 3.5 - 5.0       | -                                 | -     | -     | 2     | 26.5        | 87           |
| D11         | 1.5 - 2.5       | 16                                | 16    | -     | -     | 21.5        | 50           |
| D12         | 2.0 - 3.0       | 8                                 | 8     | -     | -     | 26.5        | 50           |
| D13         | 2.5 - 3.5       | -                                 | 8     | 6     | 2     | 26.5        | 50           |
| D14         | 2.5 - 4.0       | -                                 | 8     | 6     | -     | 26.5        | 50           |
| D15         | 3.0 - 4.0       | -                                 | 8     | 6     | -     | 26.5        | 56           |
| D16         | 3.0 - 5.0       | -                                 | -     | 6     | 2     | 26.5        | 64           |
| D17         | 3.5 - 5.0       | -                                 | -     | 6     | 2     | 26.5        | 56           |
| D18         | 3.0 - 5.0       | -                                 | -     | -     | 2     | 26.5        | 58           |
| D19         | 3.5 - 5.0       | -                                 | -     | 6     | 2     | 26.5        | 60           |
| D20         | 3.5 - 5.0       | -                                 | -     | -     | 2     | 26.5        | 60           |
| D47         | 2.0 - 3.0       | -                                 | -     | 6     | 2     | 26.5        | 60           |
| D48         | 2.0 - 3.0       | -                                 | -     | -     | 2     | 26.5        | 60           |
| D50         | 3.5 - 5.0       | -                                 | -     | 4     | 2     | 31.5        | 63           |
| D51         | 3.5 - 5.0       | -                                 | -     | -     | 2     | 31.5        | 63           |
| D52         | 3.5 - 5.0       | -                                 | -     | 4     | 2     | 31.5        | 63           |
| D53         | 3.5 - 5.0       | -                                 | -     | -     | 2     | 31.5        | 63           |

| Opening Type                    | Opening Dimensions by Cabinet Height |                |                |                |
|---------------------------------|--------------------------------------|----------------|----------------|----------------|
|                                 | 14.5"                                | 17.5"          | 21"            | 24.5"          |
| Supply opening (Height x Width) | 13" x 19.75"                         | 16" x 19.75"   | 19.5" x 19.75" | 23" x 19.75"   |
| Return opening (Height x Width) | 13.5" x 20.25"                       | 16.5" x 20.25" | 20" x 20.25"   | 23.5" x 20.25" |

| Refrigerant Connections |
|-------------------------|
| Liquid Line - 3/8" ODF  |
| Suction Line - 7/8" ODF |

| Drain Connections |
|-------------------|
| 3/4" FPT          |



# Airflow Data

| Slab Number | Nominal Tonnage | ^ Air Pressure Drop (in WC) by CFM |      |      |      |      |      |      |      |
|-------------|-----------------|------------------------------------|------|------|------|------|------|------|------|
|             |                 | 600                                | 800  | 1000 | 1200 | 1400 | 1600 | 1800 | 2000 |
| D02         | 1.5 - 2.5       | 0.17                               | 0.27 | 0.40 | -    | -    | -    | -    | -    |
| D03         | 2 - 3           | -                                  | 0.16 | 0.24 | 0.32 | -    | -    | -    | -    |
| D04         | 2.5 - 3.5       | -                                  | -    | 0.20 | 0.27 | 0.34 | -    | -    | -    |
| D05         | 2.5 - 4         | -                                  | -    | 0.16 | 0.22 | 0.28 | 0.35 | -    | -    |
| D06         | 3 - 4           | -                                  | -    | -    | 0.17 | 0.22 | 0.27 | -    | -    |
| D07         | 3 - 5           | -                                  | -    | -    | 0.15 | 0.19 | 0.24 | 0.30 | 0.35 |
| D08         | 3 - 5           | -                                  | -    | -    | 0.12 | 0.15 | 0.19 | 0.23 | 0.27 |
| D09         | 3.5 - 5         | -                                  | -    | -    | -    | 0.13 | 0.16 | 0.19 | 0.23 |
| D11         | 1.5 - 2.5       | 0.19                               | 0.30 | 0.44 | -    | -    | -    | -    | -    |
| D12         | 2 - 3           | -                                  | 0.19 | 0.27 | 0.37 | -    | -    | -    | -    |
| D13         | 2.5 - 3.5       | -                                  | -    | 0.22 | 0.29 | 0.38 | -    | -    | -    |
| D14         | 2.5 - 4         | -                                  | -    | 0.18 | 0.24 | 0.31 | 0.39 | -    | -    |
| D15         | 3 - 4           | -                                  | -    | -    | 0.19 | 0.24 | 0.30 | -    | -    |
| D16         | 3 - 5           | -                                  | -    | -    | 0.17 | 0.22 | 0.27 | 0.33 | 0.39 |
| D17         | 3 - 5           | -                                  | -    | -    | 0.13 | 0.17 | 0.21 | 0.25 | 0.30 |
| D18         | 3 - 5           | -                                  | -    | -    | 0.11 | 0.14 | 0.18 | 0.22 | 0.26 |
| D19         | 3.5 - 5         | -                                  | -    | -    | -    | 0.22 | 0.28 | 0.34 | 0.40 |
| D20         | 3.5 - 5         | -                                  | -    | -    | -    | 0.19 | 0.24 | 0.29 | 0.34 |
| D47         | 2 - 3           | -                                  | 0.11 | 0.16 | 0.23 | -    | -    | -    | -    |
| D48         | 2 - 3           | -                                  | 0.09 | 0.14 | 0.19 | -    | -    | -    | -    |
| D50         | 3.5 - 5         | -                                  | -    | -    | -    | 0.15 | 0.19 | 0.24 | 0.29 |
| D51         | 3.5 - 5         | -                                  | -    | -    | -    | 0.13 | 0.16 | 0.20 | 0.24 |
| D52         | 3.5 - 5         | -                                  | -    | -    | -    | 0.20 | 0.26 | 0.32 | 0.39 |
| D53         | 3.5 - 5         | -                                  | -    | -    | -    | 0.17 | 0.22 | 0.27 | 0.33 |

^ Air pressure drop data is under dry coil conditions. For wet coil conversion at standard AHRI conditions, use 1.3 multiplier.



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