OXBOX™
A TRANE® BRAND

J5MXC-SUB-1A

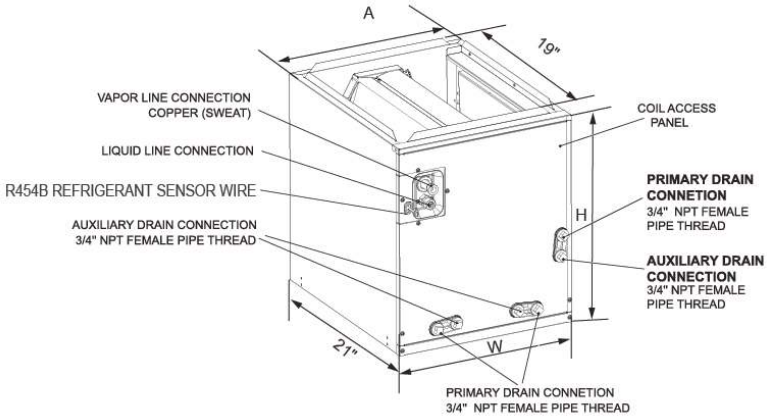
TAG: _____

# SUBMITTAL

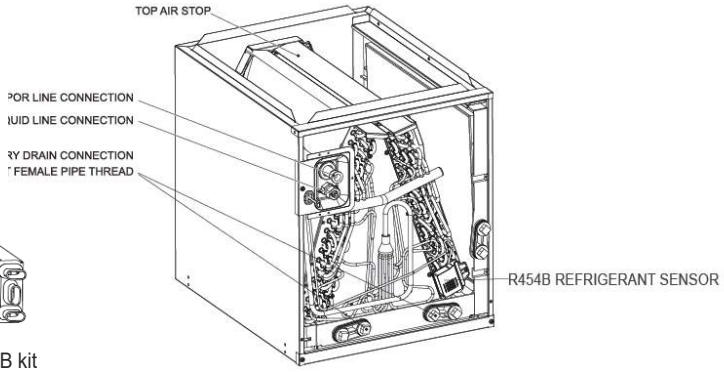
## 1-1/2 - 5 Ton All Aluminum Cased Coil Upflow/Downflow/Horizontal

# J5MXC Series Coils

Outline Drawing for models: J5MXCA003AC6HCA, J5MXCB004AC6HCA, J5MXCC005AC6HCA, J5MXCB016AC6HCA, J5MXCC017AC6HCA, J5MXCD018AC6HCA, J5MXCC009AC6HCA,J5MXCD010AC6HCA



MCB kit




| MODELS | Unit Dimensions IN. [mm] | | | | | WEIGHT (LBS. [kg]) |
|---|---|---|---|---|---|---|
| | UNIT HEIGHT "H" | UNIT WIDTH "W" | SUPPLY DUCT "A" | "W1" | LIQUID LINE/ VAPOR LINE | |
| **J5MXCA003AC6HCA** | 20 [508] | 14-1/2 [368] | 13 [330] | 13-1/2 [343] | 3/8 / 3/4 | 44 [20] |
| **J5MXCB004AC6HCA** | 20 [508] | 17-1/2 [445] | 16 [407] | 16-1/2 [419] | 3/8 / 3/4 | 46 [21] |
| **J5MXCC005AC6HCA** | 20 [508] | 21 [533] | 19-1/2 [495] | 20 [508] | 3/8 / 3/4 | 49 [22] |
| **J5MXCB016AC6HCA** | 30 [762] | 17-1/2 [445] | 16 [407] | 16-1/2 [419] | 3/8 / 3/4 | 73 [33] |
| **J5MXCC017AC6HCA** | 30 [762] | 21 [533] | 19-1/2 [495] | 20 [508] | 3/8 / 3/4 | 73 [33] |
| **J5MXCD018AC6HCA** | 30 [762] | 24-1/2 [622] | 23 [584] | 23-1/2 [597] | 3/8 / 3/4 | 75 [34] |
| **J5MXCC009AC6HCA** | 30 [762] | 21 [533] | 19-1/2 [495] | 20 [508] | 3/8 / 3/4 | 82 [37] |
| **J5MXCD010AC6HCA** | 30 [762] | 24-1/2 [622] | 23 [584] | 23-1/2 [597] | 3/8 / 3/4 | 86 [39] |

# Submittal

## PRODUCT SPECIFICATIONS ---1-1/2 - 5 Ton All Aluminum Cased Coil Upflow/Downflow/Horizontal

| | J5MXCA003AC6HCA | J5MXCB004AC6HCA | J5MXCC005AC6HCA | J5MXCB016AC6HCA |
|---|---|---|---|---|
| INDOOR COIL -- Type | PLATE FIN | PLATE FIN | PLATE FIN | PLATE FIN |
| Coil only (Tons) | 1.5 - 3.0 | 1.5 - 3.0 | 1.5 - 3.0 | 1.5 - 3.5 |
| Coil and Furnace (Tons) | 1.5 - 3.0 | 1.5 - 3.0 | 1.5 - 3.0 | 1.5 - 3.5 |
| Rows / F.P.I. | 4 / 17 | 4 / 17 | 4 / 17 | 3 / 14 |
| Face Area (sq.ft.) | 3.9 | 3.9 | 3.9 | 6.1 |
| Tube Size(in.) | 2/7 | 2/7 | 2/7 | 3/8 |
| Refrigerant Control (No internal check valve) | Piston | Piston | Piston | Piston |
| Drain Conn. Size (in.) | 3/4 NPT | 3/4 NPT | 3/4 NPT | 3/4 NPT |
| Duct Connections | See Outline Drawing | See Outline Drawing | See Outline Drawing | See Outline Drawing |
| REFRIGERANT CONNECTIONS | R-454B BRAZED+THREADED | R-454B BRAZED+THREADED | R-454B BRAZED+THREADED | R-454B BRAZED+THREADED |
| Line Size -- Gas (in.) | 3/4 | 3/4 | 3/4 | 3/4 |
| Line Size -- Liquid (in.) | 3/8 | 3/8 | 3/8 | 3/8 |
| DIMENSIONS (in.) | W X H X D | W X H X D | W X H X D | W X H X D |
| Crated (H x W x D) | 24-15/16x24-3/16x22-1/4 | 24-15/16x20-5/8x22-1/4 | 21-3/8 x 20-1/2 x 26-1/2 | 24-15/16× 20-5/8×32-5/16 |
| Uncrated | 21x14-1/2x20 | 21x17-1/2x20 | 21x21x20 | 21x17-1/2x30 |
| WEIGHT (lbs) Net -- Shipping | 44/48.5 | 46/51 | 49/55 | 73/79 |

| | J5MXCC017AC6HCA | J5MXCD018AC6HCA | J5MXCC009AC6HCA | J5MXCD010AC6HCA |
|---|---|---|---|---|
| INDOOR COIL -- Type | PLATE FIN | PLATE FIN | PLATE FIN | PLATE FIN |
| Coil only (Tons) | 1.5 - 3.5 | 3.0 - 3.5 | 3.0 - 5.0 | 3.0 - 5.0 |
| Coil and Furnace (Tons) | 1.5 – 4.0 | 3.0 – 4.0 | 3.0 - 5.0 | 3.0 - 5.0 |
| Rows / F.P.I. | 3 / 14 | 3 / 14 | 4 / 14 | 4 / 14 |
| Face Area (sq.ft.) | 6.1 | 6.1 | 6.1 | 6.1 |
| Tube Size | 3/8 | 3/8 | 3/8 | 3/8 |
| Refrigerant Control (No internal check valve) | Piston | Piston | Piston | Piston |
| Drain Conn. Size (in.) | 3/4 NPT | 3/4 NPT | 3/4 NPT | 3/4 NPT |
| Duct Connections | See Outline Drawing | See Outline Drawing | See Outline Drawing | See Outline Drawing |
| REFRIGERANT CONNECTIONS | R-454B BRAZED+THREADED | R-454B BRAZED+THREADED | R-454B BRAZED+THREADED | R-454B BRAZED+THREADED |
| Line Size -- Gas (in.) | 3/4 | 3/4 | 3/4 | 3/4 |
| Line Size -- Liquid (in.) | 3/8 | 3/8 | 3/8 | 3/8 |
| DIMENSIONS (in.) | W X H X D | W X H X D | W X H X D | W X H X D |
| Crated (H x W x D) | 24-15/16× 24-3/16×32-5/16 | 24-15/16× 27-9/16× 32-5/16 | 24-15/16× 24-3/16× 32-5/16 | 24-15/16× 27-9/16× 32-5/16 |
| Uncrated | 21x21x30 | 21x24-1/2x30 | 21x21x30 | 21x24-1/2x30 |
| WEIGHT (lbs) Shipping -- Net | 73/79 | 75/82 | 82/88 | 86/93 |

[1] These indoor coils are A.H.R.I. certified with various split system air conditioners and heat pumps (A.H.R.I. Standard 210/240). Refer to the Split System Outdoor product information site or www.ahrinet.org

[2] A TXV may be required to achieve minimum efficiency ratings or for long refrigerant line set applications. Refer to AHRI for system combination ratings. Refer to the outdoor unit installation guide to charge the system when using a TXV.

The TXV kit part numbers needed for system:

| Outdoor Unit Capacity (Tons) | TXV kit part numbers |
|---|---|
| 1.5-3.0 | 5AYTXVH3A1836A |
| 3.5-4.0 | 5AYTXVH3A4248A |
| 5.0 | 5AYTXVH3A6000A |

# Mechanical Specifications

**General**

Upflow, Downflow and Horizontal coils shall be designed for cooling and heatpump applications.

Refrigerant for the J5MXC coils shall be controlled with factory installed piston refrigerant control. Refrigerant connections are threaded for liquid line and brazed for vapor line fittings with an additional Schrader Valve for system service. -TXV

The coil cabinet shall have a removable front and interior access panel for evaporator coil entering air surface cleaning.

The coil includes 2 drain pans with connections for vertical and horizontal operation.

These coils are A.H.R.I. certified with Oxbox's matching condensing units.

| Pressure drop characteristics for cooling and heat pump coils | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Pressure drop (Inchs of water) | | | | | | | | |
| Model | .05 | 0.1 | 0.15 | 0.2 | 0.25 | 0.3 | 0.35 | 0.4 |
| J5MXCA003AC6HCA | 307 | 485 | 618 | 729 | 823 | 911 | 991 | 1063 |
| J5MXCB004AC6HCA | 327 | 527 | 682 | 810 | 925 | 1024 | 1122 | 1217 |
| J5MXCC005AC6HCA | 360 | 585 | 748 | 893 | 1019 | 1132 | 1238 | 1348 |
| J5MXCB016AC6HCA | 456 | 638 | 810 | 953 | 1077 | 1191 | 1284 | 1390 |
| J5MXCC017AC6HCA | 505 | 726 | 932 | 1098 | 1244 | 1375 | 1494 | 1604 |
| J5MXCD018AC6HCA | 533 | 857 | 1105 | 1319 | 1509 | 1675 | 1824 | 1956 |
| J5MXCC009AC6HCA | 439 | 699 | 906 | 1071 | 1224 | 1362 | 1487 | 1589 |
| J5MXCD010AC6HCA | 466 | 764 | 978 | 1157 | 1313 | 1466 | 1590 | 1695 |

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The manufacturer has a policy of continuous data improvement and it reserves the right to change design and specifications without notice. We are committed to using environmentally conscious print practices.

J5MXC-SUB-1A 3 July 2024
Supersedes /

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