5JMM5A-SUB-1A

TAG: _____

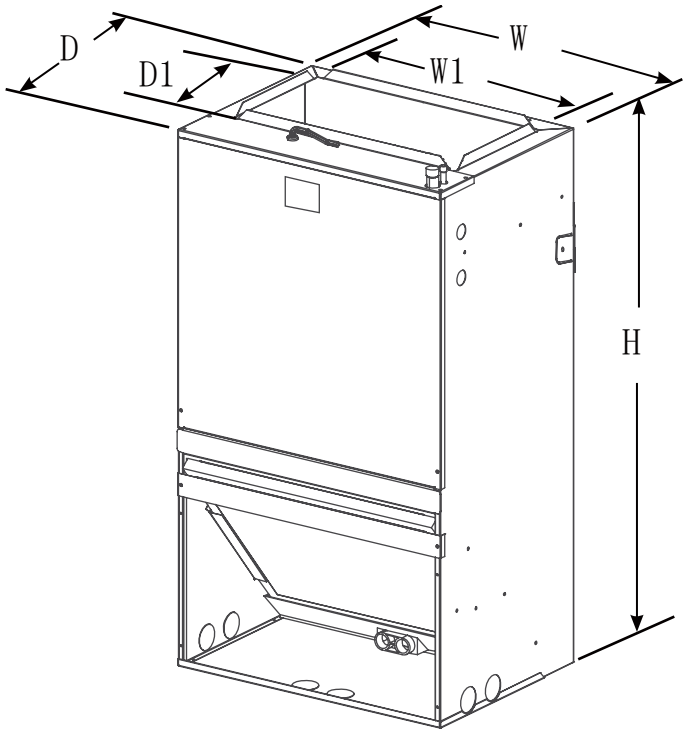
# SUBMITTAL

# Wall-Mount ECM Air Handler 2 – 3 Ton

**5JMM5A0A24M21SA**

**5JMM5A0B30M21SA**

**5JMM5A0B36M31SA**




## Dimensional and Clearance Data

| MINIMUM UNIT CLEARANCE TABLE | | |
|---|---|---|
| | TO COMBUSTIBLE MATERIAL (REQUIRED) | SERVICE CLEARANCE (RECOMMENDED) |
| SIDES | 0" | 0" |
| FRONT | 0" | 24" |
| BACK | 0" | 0" |
| INLET DUCT | 0" | 0" |
| OUTLET DUCT | 0"* | |
| *0" FOR THE FIRST 3 FT. OF OUTLET DUCT WHEN ELECTRIC HEATERS ARE INSTALLED | | |

| PRODUCT DIMENSIONS inch | | | | | | | | Unit weight/ Shipping Weight LBS |
|---|---|---|---|---|---|---|---|---|
| Model | Height | Width | Width | Depth | Depth | Flow Control | Gas Line Braze | |
| | H | W | W1 | D | D1 | | | |
| 5JMM5A0A24M21SA | 36-1/2 | 20-1/2 | 17-2/5 | 15 | 9-1/2 | TXV | 3/4" | 97/84 |
| 5JMM5A0B30M21SA | 39-1/2 | 22 | 18-3/4 | 19 | 9-1/2 | TXV | 3/4" | 117/99 |
| 5JMM5A0B36M21SA | 39-1/2 | 22 | 18-3/4 | 19 | 9-1/2 | TXV | 3/4" | 117/99 |

# PRODUCT SPECIFICATIONS

| MODEL | 5JMM5A0A24M21SA | 5JMM5A0B30M21SA | 5JMM5A0B36M21SA |
|---|---|---|---|
| RATED VOLTS/PH/HZ. | 208/230V/1Ph/60Hz | 208/230V/1Ph/60Hz | 208/230V/1Ph/60Hz |
| RATINGS | See O.D. Specifications | See O.D. Specifications | See O.D. Specifications |
| MINIMUM CIRCUIT AMPACITY | 2.39 | 3.25 | 3.25 |
| MAX FUSE OR MAX CKT.BKR. | 15A | 15A | 15A |
| INDOOR COIL — Type | Plate Fin | Plate Fin | Plate Fin |
| Rows — F.P.I. | 5-11 | 5-14 | 5-14 |
| Face Area (sq. ft.) | 2.20 | 3.00 | 3.00 |
| Tube Size (in.) | 9/32 | 9/32 | 9/32 |
| Refrigerant Control | TXV | TXV | TXV |
| Drain Conn Size (in.) | 3/4 FPT | 3/4 FPT | 3/4 FPT |
| DUCT CONNECTIONS | See Outline Drawing | See Outline Drawing | See Outline Drawing |
| INDOOR FAN — Type | Centrifugal | Centrifugal | Centrifugal |
| MOTOR— Type | ECM | ECM | ECM |
| Diameter-Width (In.) | 10 - 6 | 10 - 9 | 10 - 9 |
| No. Used | 1 | 1 | 1 |
| Drive - No Speeds | Direct - 5 | Direct - 5 | Direct - 5 |
| CFM vs. in. w.g. | See Fan Performance Table | See Fan Performance Table | See Fan Performance Table |
| No. Motors — H.P. | 1 - 1/3 | 1 - 1/2 | 1 - 1/2 |
| Motor Speed R.P.M. | 1050 | 1050 | 1050 |
| Volts/Ph/Hz | 208/230V/1Ph/60Hz | 208/230V/1Ph/60Hz | 208/230V/1Ph/60Hz |
| F.L. Amps | 1.9 | 2.7 | 2.7 |
| FILTER | | | |
| Filter Furnished? | No | No | No |
| Type Recommended | Throwaway | Throwaway | Throwaway |
| No.-Size-Thickness | 1 - 16x20 - 1 in. | 1 - 16x20 - 1 in. | 1 - 16x20 - 1 in. |
| REFRIGERANT | R454B | R454B | R454B |
| Ref. Line Connections | Brazed | Brazed | Brazed |
| Coupling or Conn. Size-in. GAS | 3/4 | 3/4 | 3/4 |
| Coupling or Conn. Size-in. Liq. | 3/8 | 3/8 | 3/8 |
| DIMENSIONS | W x H x D | W x H x D | W x H x D |
| Crated (In.) | 22-13/16× 41-3/4× 17-3/16 | 24-3/16× 44-7/8× 21-1/4 | 24-3/16× 44-7/8× 21-1/4 |
| Uncrated | 20-1/2× 36-1/2×15 | 22× 39-1/2×19 | 22× 39-1/2×19 |
| RATED SOUND POWER LEVEL(dB) | 65 | 63 | 67 |
| WEIGHT | | | |
| Shipping (Lbs.)/ Net (Lbs.) | 97/84 | 117/99 | 117/99 |

| Oxbox R454B 2023 Models | Sound Power Level |
|---|---|
| 5JMM5A0A24M21SA | 65 |
| 5JMM5A0B30M21SA | 63 |
| 5JMM5A0B36M21SA | 67 |

# Performance and Electrical Data – 5JMM5A0A24–B36

**AIR FLOW PERFORMANCE (Standard CFM)**

| Ton | BLOWER SPEEDS | EXTERNAL STATIC PRESSURE (in.w.c.) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 0 | 0.1 | 0.2 | 0.3 | 0.4 | 0.5 | 0.6 | 0.7 | 0.8 |
| 2 | Tap (1) | 584 | 541 | 487 | 441 | 416 | 357 | 359 | 299 | 253 |
| | Tap (2) | 662 | 615 | 582 | 542 | 514 | 467 | 427 | 385 | 351 |
| | Tap (3) | 710 | 683 | 645 | 619 | 579 | 535 | 490 | 458 | 416 |
| | Tap (4) | 803 | 769 | 742 | 710 | 675 | 642 | 609 | 572 | 534 |
| | Tap (5) -Factory | 899 | 871 | 836 | 810 | 789 | 758 | 719 | 689 | 646 |
| 2-1/2 | Tap (1) | 1063 | 1012 | 936 | 898 | 853 | 823 | 780 | 740 | 701 |
| | Tap (2) | 1133 | 1080 | 1026 | 991 | 958 | 904 | 858 | 813 | 769 |
| | Tap (3) -Factory | 1220 | 1194 | 1111 | 1100 | 1060 | 1007 | 952 | 910 | 855 |
| | Tap (4) | 1234 | 1200 | 1146 | 1229 | 1088 | 1046 | 1004 | 951 | 917 |
| | Tap (5) | 1341 | 1310 | 1247 | 1225 | 1192 | 1151 | 1101 | 1077 | 1033 |
| 3 | Tap (1) | 1063 | 1012 | 936 | 898 | 853 | 823 | 780 | 740 | 701 |
| | Tap (2) | 1133 | 1080 | 1026 | 991 | 958 | 904 | 858 | 813 | 769 |
| | Tap (3) | 1220 | 1194 | 1111 | 1100 | 1060 | 1007 | 952 | 910 | 855 |
| | Tap (4) -Factory | 1234 | 1200 | 1146 | 1229 | 1088 | 1046 | 1004 | 951 | 917 |
| | Tap (5) | 1341 | 1310 | 1247 | 1225 | 1192 | 1151 | 1101 | 1077 | 1033 |

NOTES:

1. Shaded boxes represent airflow outside the required 300-450 cfm/ton.
2. Airflow based upon dry coil at 230V with no electric heat, no filter.

| 5JMM5A0A24M21SA - ELECTRICAL DATA | | | | | | |
|---|---|---|---|---|---|---|
| Heater Model No | No. of Circuits/ Phases | Electric Heat(kW) | Min. Circuit Ampacity | | Max. Fuse or Breaker (HACR)Ampacity | |
| | | | 240V | 208V | 240V | 208V |
| 5JAYHTR1J05BK* | 1/1 | 5 | 25 | 28.5 | 30 | 30 |
| 5JAYHTR1J08BK* | 1/1 | 7.5 | 36.3 | 41.5 | 50 | 50 |
| 5JAYHTR1J10BK* | 1/1 | 10 | 47.6 | 54.5 | 60 | 60 |

| 5JMM5A0B30M21SA - ELECTRICAL DATA | | | | | | |
|---|---|---|---|---|---|---|
| Heater Model No | No. of Circuits/ Phases | Electric Heat(kW) | Min. Circuit Ampacity | | Max. Fuse or Breaker (HACR)Ampacity | |
| | | | 240V | 208V | 240V | 208V |
| 5JAYHTR1J05BK* | 1/1 | 5 | 26 | 29.5 | 30 | 30 |
| 5JAYHTR1J08BK* | 1/1 | 7.5 | 37.3 | 42.5 | 50 | 50 |
| 5JAYHTR1J10BK* | 1/1 | 10 | 48.6 | 55.5 | 60 | 60 |

| 5JMM5A0B36M21SA - ELECTRICAL DATA | | | | | | |
|---|---|---|---|---|---|---|
| Heater Model No | No. of Circuits/ Phases | Electric Heat(kW) | Min. Circuit Ampacity | | Max. Fuse or Breaker (HACR)Ampacity | |
| | | | 240V | 208V | 240V | 208V |
| 5JAYHTR1J05BK* | 1/1 | 5 | 26 | 29.5 | 30 | 30 |
| 5JAYHTR1J08BK* | 1/1 | 7.5 | 37.3 | 42.5 | 50 | 50 |
| 5JAYHTR1J10BK* | 1/1 | 10 | 48.6 | 55.5 | 60 | 60 |

# Mechanical Specifications

## STANDARD FEATURES

- Front or bottom return air
- Painted finish on galvanized steel
- Sturdy polycarbonate drain pans
  - The 5JMM5 wall mount air handler a has factory installeddrain pan and is shipped for upflow applications only.
- 208/230 - VAC operation
- Multi-speed direct drive blower
  - PSC motor
- Stud or wall mounting tabs
- Fully insulated cabinet
- 3/4" FPT primary and secondary drains
- Factory installed orifice
- **All - aluminum tubes & fins**

## OPTIONAL ACCESSORIES

- 5, 7.5 and 10 kW single phase electric heaters
  - Circuit breakers are standard on all single phase 5, 7.5 and 10 kW heaters.
- Front louver panel 20.5" width - BAYFRTLOUPNL20 (1-Pack)
- Front louver panel 22" width - BAYFRTLOUPNL22 (1-Pack)
- Return air / service wall panel - BAYTMMWALLPNL1 (20-Pack)
- Return air / service wall panel - BAYTMMWALLPNLS (1-Pack)

C ETL LISTED US Intertek

AHRI CERTIFIED™ www.ahridirectory.org Unitary Small AC AHRI Standard 210/240 Certification applies only when the complete system is listed with AHRI.

AHRI CERTIFIED™ www.ahridirectory.org Unitary Small HP AHRI Standard 210/240 Certification applies only when the complete system is listed with AHRI.

OXBOX™ A TRANE® BRAND

*The Manufacturer has a policy of continuous product and product data improvement and reserves the right to change design and specifications without notice.*