

tempblue™

DUCTED AC SYSTEM

18 SEER - 60HZ



UP TO 18 SEER / 60 HZ

R-410A
REFRIGERANT



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

R-410A
REFRIGERANT



| Outdoor Unit Model | | | TBA418A-X024-V3N1C | TBA418A-X036-V3N1C | TBA418A-X048-V3N1C | TBA418A-X060-V3N1C |
|-----------------------------|---|---------|------------------------|------------------------|-----------------------|-----------------------|
| Performance | Cooling Capacity | Btu/h | 24,000 | 34,600 | 48,000 | 58,000 |
| | SEER | Btu/h*W | 18.5 | 18 | 18.5 | 18 |
| | EER | - | 13 | 11.4 | 12.5 | 11.7 |
| Electric Parameter | Power supply | V-Ph-Hz | 208/230V 1Ph~60Hz | 208/230V 1Ph~60Hz | 208/230V 1Ph~60Hz | 208/230V 1Ph~60Hz |
| | MCA | A | 24.8 | 24.8 | 38.8 | 38.8 |
| | MOP | A | 40 | 40 | 60 | 60 |
| | Rated current | A | 18.1 | 18.1 | 26.7 | 26.7 |
| Compressor | Type | - | Rotary | Rotary | Rotary | Rotary |
| | Brand | - | Mitsubishi | Mitsubishi | Mitsubishi | Mitsubishi |
| | Thermal protector | Yes/No | Yes | Yes | Yes | Yes |
| | Oil Charge | ml | 870 | 870 | 1400 | 1400 |
| Outdoor Motor | Type | - | PSC | PSC | ECM | ECM |
| | Brand | - | Welling / Broad Ocean | Welling / Broad Ocean | Panasonic | Panasonic |
| | Insulation class | - | B | B | B | B |
| | Safe class | - | IP44 | IP44 | IP44 | IP44 |
| | Output Horse Power | HP | 1/6 | 1/6 | 1/3 | 1/3 |
| | Capacitor | uF | 6 | 6 | / | / |
| | Speed (Rated) | RPM | 825 | 825 | 1050 | 1050 |
| Outdoor Fan | Material | - | Metal | Metal | Metal | Metal |
| | Type | - | Axial flow fan | Axial flow fan | Axial flow fan | Axial flow fan |
| | Airflow (Rated) | CFM | 3100 | 3100 | 4100 | 4100 |
| Outdoor coil | Number of rows | - | 2 | 2 | 2 | 2 |
| | Tube material | - | Copper | Copper | Copper | Copper |
| | FPI | - | 17 | 17 | 19 | 19 |
| | Fin type | - | hydrophilic aluminium | hydrophilic aluminium | hydrophilic aluminium | hydrophilic aluminium |
| Dimension & Weight | Unpacking(W*H*D) | mm | 740×633×740 | 740×633×740 | 740×843×740 | 740×843×740 |
| | | inch | 29-1/8×24-15/16×29-1/8 | 29-1/8×24-15/16×29-1/8 | 29-1/8×33-3/16×29-1/8 | 29-1/8×33-3/16×29-1/8 |
| | Packing (W*H*D) | mm | 768×667×768 | 768×667×768 | 768×877×768 | 768×877×768 |
| | | inch | 30-1/4×26-1/4×30-1/4 | 30-1/4×26-1/4×30-1/4 | 30-1/4×34-1/2×30-1/4 | 30-1/4×34-1/2×30-1/4 |
| | Net/Gross weight | kg | 68/72 | 68/72 | 85/89 | 85/89 |
| | | lb | 150/159 | 150/159 | 187/196 | 187/196 |
| Shipping per STD(20/40)40HQ | Piece | 180 | 180 | 135 | 135 | |
| Connection Information | Liquid Valve Size | inch | 3/8 | 3/8 | 3/8 | 3/8 |
| | Vapor Valve Size | inch | 0.75 | 0.75 | 0.875 | 0.875 |
| | Liquid Line Size | inch | 0.375 | 0.375 | 0.375 | 0.375 |
| | Vapor Line Size | inch | 0.75 | 0.75 | 0.875 | 0.875 |
| | Max. Line Length | ft | 100 | 100 | 100 | 100 |
| | Min. Vertical Separation (Outdoor Unit above Indoor coil) | ft | 50 | 50 | 50 | 50 |
| | Max. Vertical Separation (Outdoor Unit Below Indoor coil) | ft | 50 | 50 | 50 | 50 |
| Design Information | Design Pressure | psig | 550/250 | 550/250 | 550/250 | 550/250 |
| | Cooling temp | °C | 4.4~48.8 | 4.4~48.8 | 4.4~48.8 | 4.4~48.8 |
| | | °F | 40~120 | 40~120 | 40~120 | 40~120 |
| Operation Information | Refrigrant Type | - | R410A | R410A | R410A | R410A |
| | Refrigrant Factory Charged | g | 3320 | 3320 | 4720 | 4720 |
| | | lb-oz | 7 lb - 9 oz | 7 lb - 9 oz | 10 lb - 10 oz | 10 lb - 10 oz |
| | Sound Pressure Level (Rated) | dB(A) | Z | 64 | 67 | 67 |

| Indoor Unit Model | | | TBB420A-T024EM3N1C | TBB420A-T036EM3N1C | TBB420A-T048EM3N1C | TBB420A-T060EM3N1C |
|------------------------------|--------------------------------------|---------|------------------------------|------------------------------|------------------------------|------------------------------|
| Electric Parameter | Power supply | V-Ph-Hz | 208/230V-1Ph-60hz | 208/230V-1Ph-60hz | 208/230V-1Ph-60hz | 208/230V-1Ph-60hz |
| | Rated Current | A | 0.8 | 1.45 | 2.19 | 2.19 |
| | Rated Input Power | W | 250 | 370 | 560 | 560 |
| | Power wiring | - | 2*2.1mm ² (14AWG) | 2*2.1mm ² (14AWG) | 2*2.1mm ² (14AWG) | 2*2.1mm ² (14AWG) |
| | Signal wiring | - | 5*0.8mm ² (14AWG) | 5*0.8mm ² (14AWG) | 5*0.8mm ² (14AWG) | 5*0.8mm ² (14AWG) |
| Indoor Motor | Type | - | ECM | ECM | ECM | ECM |
| | Brand | - | Regal-Beloit | Regal-Beloit | Regal-Beloit | Regal-Beloit |
| | Insulation class | - | E | B | B | B |
| | Safe class | - | IP10 | IP10 | IP20 | IP20 |
| | Output Horse Power | HP | 1/3 | 1/2 | 3/4 | 3/4 |
| | Speed (Rated) | RPM | 1050 | 1050 | 1050 | 1050 |
| Indoor Fan | Material | - | Metal | Metal | Metal | Metal |
| | Type | - | Centrifugal | Centrifugal | Centrifugal | Centrifugal |
| | Airflow (Rated) | CFM | 800 | 1120 | 1560 | 1750 |
| Indoor coil | Number of rows | - | 4 | 4 | 4 | 5 |
| | Tube material | - | Copper | Copper | Copper | Copper |
| | FPI | - | 17 | 17 | 17 | 17 |
| | Number of circuits | - | 8 | 8 | 12 | 14 |
| | Fin type | - | Hydrophilic Aluminium | Hydrophilic Aluminium | Hydrophilic Aluminium | Hydrophilic Aluminium |
| Dimension & Weight | Unpacking(W×H×D) | mm | 500×1180×550 | 500×1180×550 | 560×1385×610 | 560×1385×610 |
| | | inch | 19-5/8× 46-1/2× 21-5/8 | 19-5/8× 46-1/2× 21-5/8 | 22× 54-1/2×24 | 22× 54-1/2×24 |
| | Packing (W×H×D) | mm | 567×1197×644 | 567×1197×644 | 627×1402×704 | 627×1402×704 |
| | | inch | 22-5/16× 47-1/8× 25-3/8 | 22-5/16× 47-1/8× 25-3/8 | 24-11/16× 55-3/16× 27-11/16 | 24-11/16× 55-3/16× 27-11/16 |
| | Net/Gross weight | kg | 54/60 | 57/63 | 73.5/81.5 | 77/85 |
| | | lb | 119/132 | 125/139 | 162/180 | 170/188 |
| Connection Information | Liquid Line Size | inch | 3/8 | 3/8 | 3/8 | 3/8 |
| | Vapor Line Size | inch | 3/4 | 3/4 | 7/8 | 7/8 |
| Design Information | Design Pressure | psig | 550/250 | 550/250 | 550/250 | 550/250 |
| | Operation temp | °C | 17~30 | 17~30 | 17~30 | 17~30 |
| | | °F | 62.6~86 | 62.6~86 | 62.6~86 | 62.6~86 |
| | Controller | - | Wired Control | Wired Control | Wired Control | Wired Control |
| Operation Information | Throttle Type | - | TXV | TXV | TXV | TXV |
| | Refrigrant Type | - | R410A | R410A | R410A | R410A |
| | Operation Static Pressure (Min.~Max) | in.wg | 0.18 | 0.23 | 0.28 | 0.28 |
| | Sound Pressure Level | dB(A) | 53/47/44 | 54/49/46 | 55/52/49 | 56/54/51 |
| Drainage water pipe diameter | inch | 3/4 FPT | 3/4 FPT | 3/4 FPT | 3/4 FPT | |



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