Submittal

Split System Cooling

AHU24-SG2

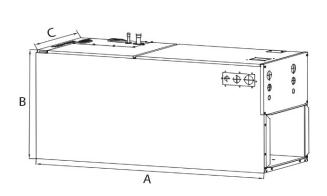
| Location: |
|---------------|
| Engineer: |
| Submitted to: |
| Submitted by: |
| Reference: |

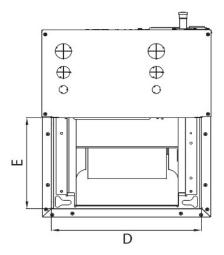
| Approval: |
|---------------|
| Date: |
| Construction: |
| Unit #: |
| Drawing #: |



Note:" Graphics in this document are for representation only. Actual model may differ in appearance."

Indoor unit installation size





(unit:mm/inch)

| | Model | 12K ~ 24K | 30K ~ 48K | 601/ |
|--------------|-------|-----------|-----------|----------|
| Dimensions | | 12K ~ 24K | 30K ~ 46K | 60K |
| Laureth of A | mm | 1143 | 1245 | 1346 |
| Length of A | inch | 45 | 49 | 53 |
| Lawath of D | mm | 533 | 533 | 533 |
| Length of B | inch | 21 | 21 | 21 |
| Lawath of C | mm | 445 | 533 | 622 |
| Length of C | inch | 17-1/2 | 21 | 24-1/2 |
| Length of D | mm | 400 | 490 | 580 |
| | inch | 15-3/4 | 19-5/16 | 22-27/32 |
| Laweth of E | mm | 260 | 260 | 260 |
| Length of E | inch | 10-1/4 | 10-1/4 | 10-1/4 |

Recommended size of filter



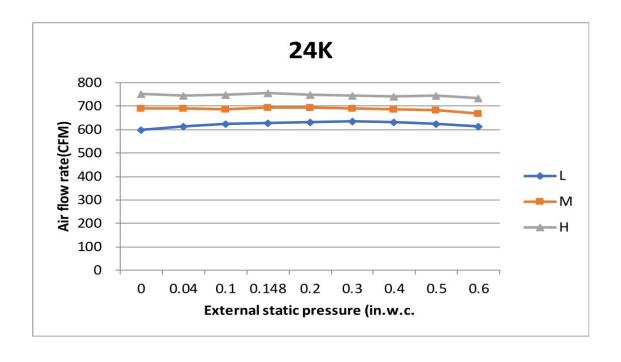
| Model (Btu/h) | | 12K ~24K | 30K~36K | 48K ~60K | |
|----------------------------|---|----------|---------|----------|-------|
| Recommended size of filter | W | mm | 406.4 | 495.3 | 584.2 |
| | | inch | 16 | 19-1/2 | 23 |
| | D | mm | 508 | 508 | 508 |
| | | inch | 20 | 20 | 20 |
| | t | mm | 25.4 | 25.4 | 25.4 |
| | | inch | 1 | 1 | 1 |

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| Power supply | SYSTEM PERFORM | ANCE DATA | 1 | | | | |
|---|---------------------------------------|--|----------------------------|--|--|--|--|
| Normal Operational Voltage (V, Ph, Hz) 208/230, 1, 60 | | THOL DITT | | | | | |
| Voltage Range (V) 187-253 | | | | | | | |
| Minimum circuit ampacity (A) | <u> </u> | | | | | | |
| Minimum circuit ampacity (A) 19 Max.fuse (A) 30 30 | | | | | | | |
| Max.fuse | | 1/4) | Lio | | | | |
| Connection wiring Interest of the properties of the propertie | | | | | | | |
| Rated Capacity (Btu/h) 24000 | Max.fuse | (A) | 30 | | | | |
| Rated Capacity | Connection wiring | | 16AWG*2 Stranded, shielded | | | | |
| Capacity Range (Btu/h) 7500~26000 | | | | | | | |
| Powrer Input | Rated Capacity | (Btu/h) | 24000 | | | | |
| Rated current (A) 9.7 | Capacity Range | (Btu/h) | 7500~26000 | | | | |
| SEER2 (Btu/W) 17 | Powrer Input | (W) | 2120 | | | | |
| Bernamor Bernamor | Rated current | (A) | 9.7 | | | | |
| Heating at 47F | SEER2 | (Btu/W) | 17 | | | | |
| Rated Capacity (Btu/h) 26000 Capacity Range (Btu/h) 5600~30000 Powrer Input (W) 2150 Rated current (A) 9.8 HSPF2-4 (Btu/W) 9.2 HSPF2-5 (Btu/W) 7.6 COP W/W 3.54 Throttle type Indoor unit EEV for cooling Indoor(cooling/ heating) (Deg. °F) 60~90/32~86 (Deg. °C) 16~32/0~30 Application area (sq.ft) 344.44~505.90 (m2) 32~47 INDOOR UNIT DATA Indoor fan motor Type Centrifugal Model ZKFD-250-8-1 Qty 1 Input (W) 67.8 RLA (A) LRA (A) Capacitor (uF) Speed(Hi/Mi/Lo) (r/min) Air flow & Noise level Indoor unit Dimension (WxDxH) (inch) 21.02x17.52x45.00 (mm) 534x445x1143 (inch) 25.20x20.87x50.39 (mm) 640x530x1280 Nat/Gross weight (lbs.) 47.9/57.8 Indoor unit Nat/Gross weight (Ibs.) 47.9/57.8 Indoor unit (Ibs.) | EER2 | (Btu/W) | 10.5 | | | | |
| Capacity Range (Btu/h) 5600~30000 Powrer Input (W) 2150 Rated current (A) 9.8 HSPF2-4 (Btu/W) 7.6 COP W/W 3.54 Throttle type Indoor unit EEV for cooling Indoor(cooling/ heating) (Deg. °F) 60~90/32~86 (Deg. °C) 16~32/0~30 60~90/32~86 (Sq.ft) 344.44~505.90 32~47 Indoor Indoor (UF) (A) | Heating at 47F | , | • | | | | |
| Capacity Range (Btu/h) 5600~30000 Powrer Input (W) 2150 Rated current (A) 9.8 HSPF2-4 (Btu/W) 7.6 COP W/W 3.54 Throttle type Indoor unit EEV for cooling Indoor(cooling/ heating) (Deg. °F) 60~90/32~86 (Deg. °C) 16~32/0~30 60~90/32~86 (Sq.ft) 344.44~505.90 32~47 Indoor Indoor (UF) (A) | | (Btu/h) | 26000 | | | | |
| Rated current (A) 9.8 HSPF2-4 (Btu/W) 9.2 HSPF2-5 (Btu/W) 7.6 COP W/W 3.54 Throttle type Indoor unit EEV for cooling Indoor(cooling/ heating) (Deg. T) 60~90/32~86 (Deg. °C) 16~32/0~30 (sq.ft) 344.44~505.90 (m2) 32~47 INDOOR UNIT DATA Indoor fan motor Type Centrifugal Centrifugal | Capacity Range | (Btu/h) | 5600~30000 | | | | |
| Rated current (A) 9.8 HSPF2-4 (Btu/W) 9.2 HSPF2-5 (Btu/W) 7.6 COP W/W 3.54 Throttle type Indoor unit EEV for cooling Indoor(cooling/ heating) (Deg. T) 60~90/32~86 (Deg. °C) 16~32/0~30 (sq.ft) 344.44~505.90 (m2) 32~47 INDOOR UNIT DATA Indoor fan motor Type Centrifugal Centrifugal | Powrer Input | (W) | 2150 | | | | |
| HSPF2-4 | | (A) | 9.8 | | | | |
| HSPF2-5 | HSPF2-4 | | | | | | |
| COP W/W 3.54 Throttle type Indoor unit EEV for cooling Indoor(cooling/ heating) (Deg. °F) 60~90/32~86 (Deg. °C) 16~32/0~30 Application area (sq.ft) 344.44~505.90 INDOOR UNIT DATA Indoor fan motor Type Centrifugal Model ZKFD-250-8-1 Qty 1 Input (W) 67.8 RLA (A) LRA (A) Winding Resistance (Ω) Capacitor (uF) Speed(Hi/Mi/Lo) (r/min) Air flow & Noise level Indoor air flow (Hi/Med/Lo) (No duct) (CFM) 758.82/694.12/629.41 Indoor noise level (Hi/Med/Lo) (B(A)] 43/40.5/35 Dehumidification (Pint/H) Indoor unit (inch) 21.02x17.52x45.00 (mm) 534x445x1143 (inch) 25.20x20.87x50.39 (mm) 640x530x1280 (Ibs | | | II. | | | | |
| Indoor unit EEV for cooling Indoor (cooling/ heating) (Deg. °F) 60~90/32~86 (Deg. °C) 16~32/0~30 (sq.ft) 344.44~505.90 (m2) 32~47 INDOOR UNIT DATA Indoor fan motor Type Centrifugal Model ZKFD-250-8-1 (W) 67.8 RLA (A) (A) Capacitor (uF) Capacitor (uF) Capacitor (uF) Capacitor (uF) Capacitor (uF) Capacitor (uF) Capacitor (vf.min) (vf.min | | | | | | | |
| Indoor(cooling/ heating) (Deg. °F) (60~90/32~86 (Deg. °C) 16~32/0~30 (sq.ft) 344.44~505.90 (m2) 32~47 (m2) (m3) 32~47 (m2) (m3) | | - | | | | | |
| Code | | (Deg °F) | 60~90/32~86 | | | | |
| (sq.ft) 344.44~505.90 (m2) 32~47 | Indoor(cooling/ heating) | (Deg. °C) | 16~32/0~30 | | | | |
| INDOOR UNIT DATA Indoor fan motor Type Centrifugal ZKFD-250-8-1 Qty 1 Input (W) 67.8 RLA (A) LRA (A) Capacitor (uF) Speed(Hi/Mi/Lo) (r/min) Air flow & Noise level Indoor air flow (Hi/Med/Lo) (IBA) Aj/40.5/35 Dehumidification (Pint/H) Indoor unit (inch) 21.02x17.52x45.00 (mm) 534x445x1143 (inch) 25.20x20.87x50.39 (mm) 640x530x1280 (Ibs.) A7.9/57.8 All for the first of | Application area | (sq.ft) | 344.44~505.90 | | | | |
| Type | Application area | (m2) | 32~47 | | | | |
| Type Centrifugal Model ZKFD-250-8-1 Qty 1 Input (W) 67.8 RLA (A) LRA (A) Winding Resistance (Ω) Capacitor (uF) Speed(Hi/Mi/Lo) (r/min) Air flow & Noise level (r/min) Indoor air flow (Hi/Med/Lo) (No duct) (CFM) 758.82/694.12/629.41 Indoor noise level (Hi/Med/Lo) [dB(A)] 43/40.5/35 Dehumidification (Pint/H) Indoor unit Dimension (WxDxH) (inch) 21.02x17.52x45.00 (mm) 534x445x1143 (inch) 25.20x20.87x50.39 (mm) 640x530x1280 Net/Gross weight (lbs.) 47.9/57.8 | | | | | | | |
| Model | Indoor fan motor | | | | | | |
| Qty 1 Input (W) 67.8 RLA (A) LRA (A) Winding Resistance (Ω) Capacitor (uF) Speed(Hi/Mi/Lo) (r/min) Air flow & Noise level (cFM) 758.82/694.12/629.41 Indoor air flow (Hi/Med/Lo) (No duct) (DFM) 43/40.5/35 Dehumidification (Pint/H) Indoor unit Dimension (WxDxH) (inch) 21.02x17.52x45.00 (mm) 534x445x1143 Packing(WxDxH) (inch) 25.20x20.87x50.39 (mm) 640x530x1280 Net/Gross weight (lbs.) 47.9/57.8 | Туре | | | | | | |
| Input (W) 67.8 RLA (A) RLA (A) RLA (A) RLA (A) RLA (A) RLA (B) RLA (B) RLA (B) RLA (B) RLA (B) RLA (B) RLA (B) RLA (B) | Model | | ZKFD-250-8-1 | | | | |
| RLA (A) LRA (A) Winding Resistance (Ω) Capacitor (uF) Speed(Hi/Mi/Lo) (r/min) Air flow & Noise level Indoor air flow (Hi/Med/Lo) (No duct) (CFM) 758.82/694.12/629.41 Indoor noise level (Hi/Med/Lo) [dB(A)] 43/40.5/35 Dehumidification (Pint/H) Indoor unit Dimension (WxDxH) (inch) 21.02x17.52x45.00 (mm) 534x445x1143 (inch) 25.20x20.87x50.39 (mm) 640x530x1280 Net/Gross weight (lbs.) 47.9/57.8 | Qty | | 1 | | | | |
| LRA (A) Winding Resistance (Ω) Capacitor (uF) Speed(Hi/Mi/Lo) (r/min) Air flow & Noise level Indoor air flow (Hi/Med/Lo) (No duct) (CFM) 758.82/694.12/629.41 Indoor noise level (Hi/Med/Lo) [dB(A)] 43/40.5/35 Dehumidification (Pint/H) Indoor unit Dimension (WxDxH) (inch) 21.02x17.52x45.00 (mm) 534x445x1143 Packing(WxDxH) (inch) 25.20x20.87x50.39 (mm) 640x530x1280 Net/Gross weight (lbs.) 47.9/57.8 | Input | (W) | 67.8 | | | | |
| Winding Resistance (Ω) Capacitor (uF) Speed(Hi/Mi/Lo) (r/min) Air flow & Noise level Indoor air flow (Hi/Med/Lo) (No duct) (CFM) 758.82/694.12/629.41 Indoor noise level (Hi/Med/Lo) [dB(A)] 43/40.5/35 Dehumidification (Pint/H) Indoor unit (inch) 21.02x17.52x45.00 (mm) 534x445x1143 Packing(WxDxH) (inch) 25.20x20.87x50.39 (mm) 640x530x1280 Net/Gross weight (lbs.) 47.9/57.8 | RLA | (A) | | | | | |
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| Speed(Hi/Mi/Lo) (r/min) Air flow & Noise level Indoor air flow (Hi/Med/Lo) (No duct) (CFM) 758.82/694.12/629.41 Indoor noise level (Hi/Med/Lo) [dB(A)] 43/40.5/35 Dehumidification (Pint/H) Indoor unit (inch) 21.02x17.52x45.00 (mm) 534x445x1143 Packing(WxDxH) (inch) 25.20x20.87x50.39 (mm) 640x530x1280 Net/Gross weight (lbs.) 47.9/57.8 | Winding Resistance | (Ω) | | | | | |
| Air flow & Noise level Indoor air flow (Hi/Med/Lo) (No duct) (CFM) 758.82/694.12/629.41 Indoor noise level (Hi/Med/Lo) [dB(A)] 43/40.5/35 Dehumidification (Pint/H) Indoor unit Dimension (WxDxH) (inch) 21.02x17.52x45.00 (mm) 534x445x1143 Packing(WxDxH) (inch) 25.20x20.87x50.39 (mm) 640x530x1280 Net/Gross weight (lbs.) 47.9/57.8 | Capacitor | (uF) | | | | | |
| Air flow & Noise level Indoor air flow (Hi/Med/Lo) (No duct) (CFM) 758.82/694.12/629.41 Indoor noise level (Hi/Med/Lo) [dB(A)] 43/40.5/35 Dehumidification (Pint/H) Indoor unit Dimension (WxDxH) (inch) 21.02x17.52x45.00 (mm) 534x445x1143 Packing(WxDxH) (inch) 25.20x20.87x50.39 (mm) 640x530x1280 Net/Gross weight (lbs.) 47.9/57.8 | Speed(Hi/Mi/Lo) | (r/min) | | | | | |
| Indoor noise level (Hi/Med/Lo) [dB(A)] 43/40.5/35 Dehumidification (Pint/H) Indoor unit (inch) 21.02x17.52x45.00 (mm) 534x445x1143 Packing(WxDxH) (inch) 25.20x20.87x50.39 (mm) 640x530x1280 Net/Gross weight (lbs.) 47.9/57.8 | | , | | | | | |
| Dehumidification (Pint/H) Indoor unit (inch) 21.02x17.52x45.00 Dimension (WxDxH) (inch) 534x445x1143 Packing(WxDxH) (inch) 25.20x20.87x50.39 (mm) 640x530x1280 Net/Gross weight (lbs.) 47.9/57.8 | Indoor air flow (Hi/Med/Lo) (No duct) | (CFM) | 758.82/694.12/629.41 | | | | |
| Content | Indoor noise level (Hi/Med/Lo) | [dB(A)] | 43/40.5/35 | | | | |
| Dimension (WxDxH) (inch) 21.02x17.52x45.00 (mm) 534x445x1143 Packing(WxDxH) (inch) 25.20x20.87x50.39 (mm) 640x530x1280 Net/Gross weight (lbs.) 47.9/57.8 | Dehumidification | (Pint/H) | | | | | |
| Packing(WxDxH) (mm) 534x445x1143 Packing(WxDxH) (inch) 25.20x20.87x50.39 (mm) 640x530x1280 Net/Gross weight (lbs.) 47.9/57.8 | Indoor unit | | | | | | |
| Packing(WxDxH) (inch) 25.20x20.87x50.39 (mm) 640x530x1280 (lbs.) 47.9/57.8 | Dimension (MyDyL) | (inch) | 21.02x17.52x45.00 | | | | |
| Packing(WxDxH) (inch) 25.20x20.87x50.39 (mm) 640x530x1280 (lbs.) 47.9/57.8 | (vvxDxH) | (mm) | 534x445x1143 | | | | |
| (mm) 040x530x1280 Net/Gross weight (lbs.) 47.9/57.8 | Packing(MyDyU) | (inch) | 25.20x20.87x50.39 | | | | |
| Net/Gross weight (lbs.) 47.9/57.8 | | (mm) | 640x530x1280 | | | | |
| (kg) 105.60/127.43 | Not/Cross weight | (lbs.) | 47.9/57.8 | | | | |
| 1, 5, | INGROIDSS WEIGHT | (kg) | 105.60/127.43 | | | | |

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Fan performance



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