| | | | Parent Code | SUH09BIK | SUH12BIK | SUH18BIK | SUH24BIK |
|---|---|---|---|---|---|---|---|
| **Technical Specifications** | | | **Indoor** | SIH-09BIK | SIH-12BIK | SIH-18BIK | SIH-24BIK |
| **Split-type Inverter** | | | **Outdoor** | SOH-09BIK | SOH-12BIK | SOH-18BIK | SOH-24BIK |
| 1 | Power Supply | Rated Voltage | V~ | 220-240 | 220-240 | 220-240 | 220-240 |
| 2 | | Rated Frequency | Hz | 50 | 50 | 50 | 50 |
| 3 | | Phases | -- | 1 | 1 | 1 | 1 |
| 4 | Power Supply Mode | | -- | Outdoor | Outdoor | Outdoor | Outdoor |
| 5 | Cross-sectional Area of Power Cable Conductor | | $mm^2$ | 1 | 1 | 1.5 | 1.5 |
| 6 | Recommended Power Cable(Core) | | N | 3 | 3 | 3 | 3 |
| 7 | Min/Max. Voltage | | V | 198~264 | 198~264 | 198/264 | 198/264 |
| 8 | Cooling Capacity | | W | 2700 | 3200 | 4600 | 6200 |
| 9 | Min. Cooling Capacity | | W | 600 | 900 | 1000 | 1600 |
| 10 | Min. Cooling Capacity | | Btu/h | 2047 | 3071 | 3412 | 5459 |
| 11 | Max. Cooling Capacity | | W | 3400 | 3700 | 5300 | 6900 |
| 12 | Max. Cooling Capacity | | Btu/h | 11601 | 12624 | 18083.6 | 23500 |
| 13 | Pdesignc | | kW | 2.7 | 3.2 | 4.6 | 6.2 |
| 14 | Heating Capacity | | W | 2800 | 3400 | 5200 | 6500 |
| 15 | Min. Heating Capacity | | W | 600 | 900 | 1000 | 1300 |
| 16 | Min. Heating Capacity | | Btu/h | 2047 | 3071 | 2388.4 | 4400 |
| 17 | Max. Heating Capacity | | W | 3700 | 4100 | 5650 | 7913 |
| 18 | Max. Heating Capacity | | Btu/h | 12624 | 13989 | 19277.8 | 27000 |
| 19 | Pdesignh(Average) | | kW | 2.5 | 2.7 | 3.7 | 4.7 |
| 20 | Pdesignh(Warmer) | | kW | 2.8 | 2.8 | 3.6 | 4.7 |
| 21 | Cooling Power Input | | W | 735 | 933 | 1355 | 1771 |
| 22 | Min. Cooling Power Input | | W | 170 | 220 | 420 | 450 |
| 23 | Max. Cooling Power Input | | W | 1300 | 1300 | 1800 | 2200 |
| 24 | Heating Power Input | | W | 695 | 872 | 1340 | 1646 |
| 25 | Min. Heating Power Input | | W | 140 | 220 | 420 | 450 |
| 26 | Max. Heating Power Input | | W | 1500 | 1500 | 1900 | 2200 |
| 27 | Cooling Current | | A | 3.51 | 4.4 | 5.9 | 7.9 |
| 28 | Heating Current | | A | 3.32 | 4 | 5.8 | 7.3 |
| 29 | Rated Input | | W | 1500 | 1500 | 1900 | 2200 |
| 30 | Rated Current | | A | 6 | 6 | 8 | 9.7 |
| 31 | Rated Heating Current | | A | 7.5 | 7.5 | 9 | 10 |
| 32 | EER | | W/W | 3.63 | 3.41 | 3.30 | 3.5 |
| 33 | COP | | W/W | 3.98 | 3.81 | 3.80 | 3.95 |
| 34 | SEER | | -- | 6.6 | 6.5 | 6.4 | 6.8 |
| 35 | SCOP(Average) | | -- | 4.2 | 4.1 | 4.0 | 4.0 |
| 36 | SCOP(Warmer) | | -- | 5.2 | 5.1 | 5.1 | 5.1 |
| 37 | Air Flow Volume | | $m^3/h$ | 550/500/430/290 | 680/620/560/490/450/420/390 | 850/800/700/600 | 1100/950/ /750/ /650/ |
| 38 | Air Flow Volume | | CFM | 324/294/253/171 | 400/365/330/288/265/247/230 | 500/471/412/353 | 647/559/ /441/ /383/ |
| 39 | Dehumidifying Volume | | L/h | 1.40 | 1.40 | 1.80 | 1.80 |
| 40 | Dehumidifying Volume | | PINT/D | 2.96 | 2.96 | 3.80 | 3.80 |
| 41 | Application Area | | $m^2$ | 10-16 | 15-22 | 21-31 | 23-34 |
| 42 | **Indoor Unit** | Sinclair Indoor Unit Model | -- | SIH09BIK | SIH12BIK | SIH18BIK | SIH24BIK |
| 43 | | Fan Type | -- | Cross-flow | Cross-flow | Cross-flow | Cross-flow |
| 44 | | Fan Diameter Length(D×L) | mm | Φ93×580 | Φ98×633.5 | 106×706 | 108×803 |
| 46 | | Cooling Speed | r/min | 1300/1200/1050 /750 | 1350/1200/1100/1000/920/850/800 | 1230/1170/1020/800 | 1250/1150/950/800 |
| 47 | | Heating Speed | r/min | 1300/1200/1050/800 | 1300/1200/1120/1050/980/900/850 | 1350/1270/1130/900 | 1150/1050/950/850 |
| 48 | | Fan Motor Power Output | W | 20 | 20 | 35 | 35 |
| 49 | | Fan Motor RLA | A | 0.22 | 0.30 | 0.45 | 0.50 |
| 50 | | Fan Motor Capacitor | μF | 1 | 1.5 | 2.5 | 3 |
| 51 | | Evaporator Form | -- | Aluminum Fin-copper Tube | Aluminum Fin-copper Tube | Aluminum Fin-copper Tube | Aluminum Fin-copper Tube |
| 52 | | Evaporator Pipe Diameter | mm | φ5 | φ5 | φ7 | φ7 |
| 53 | | Evaporator Row-fin Gap | mm | 2-1.4 | 2-1.4 | 2-1.4 | 2-1.4 |
| 54 | | Evaporator Coil Length (L×D×W) | mm | 584×22.8×266.7 | 635×22.8×306.3 | 715×25.4×304.8 | 850×25.4×342.9 |
| 55 | | Swing Motor Model | -- | MP24AN | MP24HF | MP35CJ/ MP24HF | MP35CP/MP24HF |
| 56 | | Swing Motor Power Output | W | 1.5 | 1.5 | 2.5/1.5 | 2.5/1.5 |
| 57 | | Fuse Current | A | 3.15 | 3.15 | 3.15A | 3.15 |
| 58 | | Set Temperature Range | ℃ | 16～30 | 16～30 | 16～30 | 16～30 |
| 59 | | Set Temperature Range | ℉ | 61～86 | 61～86 | 61～86 | 61～86 |
| 60 | | Sound Pressure Level | dB (A) | 40/38/34/23 | 41/38/36/35/32/29/23 | 44/42/38/34 | 47/44/ /38/ /35/ |
| 61 | | Sound Power Level | dB (A) | 55/48/44/36 | 57/48/46/45/42/39/37 | 54/52/48/44 | 61/58/ /52/ /49/ |
| 62 | | Dimension (W×H×D) | mm | 770×251×190 | 849×289×215 | 972×300×225 | 1081×325×248 |
| 63 | | Dimension (W×H×D) | inch | 30 20/64×9 56/64×7 31/64 | 33 27/64×11 24/64×8 30/64 | 38 17/64×11 52/64×8 55/64 | 42 36/64×12 51/64×9 49/64 |
| 64 | | Dimension of Carton Box (L×W×H) | mm | 817×308×251 | 897×341×268 | 1017×366×289 | 1127×397×324 |
| 65 | | Dimension of Carton Box (L×W×H) | inch | 32 11/64×12 8/64×9 56/64 | 35 20/64×13 27/64×10 35/64 | 40 3/64×14 26/64×11 24/64 | 44 24/64×15 40/64×12 48/64 |
| 66 | | Dimension of Package(L×W×H) | mm | 822×324×262 | 902×357×279 | 1022×374×299 | 1137×407×334 |
| 67 | | Dimension of Package(L×W×H) | inch | 32 23/64×12 48/64×10 20/64 | 35 33/64×14 4/64×10 63/64 | 40 15/64×14 46/64×11 49/64 | 44 49/64×16 2/64×13 10/64 |
| 68 | | Stacked Layers | — | 8 | 8 | 7 | 7 |
| 69 | | Net Weight | kg | 8.5 | 10.5 | 13.5 | 16.5 |
| 70 | | Net Weight | lb | 18.7 | 23.2 | 29.8 | 36.4 |
| 71 | | Gross Weight | kg | 10 | 12.5 | 16 | 19.5 |
| 72 | | Gross Weight | lb | 22.0 | 27.6 | 35.28 | 43.0 |

| | | | Parent Code | SUH09BIK | SUH12BIK | SUH18BIK | SUH24BIK |
|---|---|---|---|---|---|---|---|
| 73 | | Sinclair Outdoor Unit Model | -- | SOH09BIK | SOH12BIK | SOH18BIK | SOH24BIK |
| 74 | | Compressor Model | -- | FTz-AN075ACBF-A | FTz-AN088ACBF-A | FTz-AN108ACBD | FTz-SM151AXBD |
| 75 | | Compressor Oil | -- | FW68DA | FW68DA | FW68DA or equivalent | FW68DA |
| 76 | | Compressor Type | -- | Rotary | Rotary | Rotary | Rotary |
| 77 | | Compressor LRA. | A | / | / | 19 | / |
| 78 | | Compressor RLA | A | 3.00 | 3.60 | 4.4 | 6.06 |
| 79 | | Compressor Power Input | W | 633 | 758 | 952 | 1330 |
| 80 | | Fan Type | -- | Axial-flow | Axial-flow | Axial-flow | Axial-flow |
| 81 | | Fan Diameter | mm | 400 | 400 | φ400 | 445 |
| 82 | | Fan Motor Speed | rpm | 900 | 900 | 900 | 900 |
| 83 | | Fan Motor Power Output | W | 30 | 30 | 30.00 | 40 |
| 84 | | Fan Motor RLA | A | 0.40 | 0.40 | 0.4 | 0.70 |
| 85 | | Fan Motor Capacitor | μF | / | / | / | / |
| 86 | | Outdoor Unit Air Flow Volume | $m^3/h$ | 1950 | 1950 | 1950 | 2800 |
| 87 | | Condenser Form | -- | Aluminum Fin-copper Tube | Aluminum Fin-copper Tube | Aluminum Fin-copper Tube | Aluminum Fin-copper Tube |
| 88 | | Condenser Pipe Diameter | mm | φ7 | φ7 | φ7 | φ7.94 |
| 89 | | Condenser Rows-fin Gap | mm | 1-1.4 | 1-1.4 | 2-1.4 | 2-1.4 |
| 90 | | Condenser Coil Length (L×D×W) | mm | 700×19.05×528 | 700×19.05×528 | 700×38.1×528 | 848x38.1x528 |
| 91 | | Permissible Excessive Operating Pressure for the Discharge Side | MPa | 4.3 | 4.3 | 4.3 | 4.3 |
| 92 | | Permissible Excessive Operating Pressure for the Suction Side | MPa | 2.5 | 2.5 | 2.5 | 2.5 |
| 93 | | Maximum Allowable Pressure | MPa | 4.3 | 4.3 | 4.3 | 4.3 |
| 94 | | Cooling Operation Ambient Temperature Range | ℃ | -15~43 | -15~43 | -15~43 | -15~43 |
| 95 | **Outdoor Unit** | Cooling Operation Ambient Temperature Range | ℉ | 5~109 | 5~109 | 5～109 | 5~109 |
| 96 | | Heating Operation Ambient Temperature Range | ℃ | -15～24 | -15～24 | -15～24 | -15～24 |
| 97 | | Heating Operation Ambient Temperature Range | ℉ | 5～75 | 5～75 | 5～75 | 5～75 |
| 98 | | Throttling Method | -- | Capillary | Capillary | Capillary | Capillary |
| 99 | | Defrosting Method | -- | Automatic Defrosting | Automatic Defrosting | Automatic Defrosting | Automatic Defrosting |
| 100 | | Climate Type | -- | T1 | T1 | T1 | T1 |
| 101 | | Climate Zone | -- | Temperate Zone | Temperate Zone | Temperate Zone | Temperate Zone |
| 102 | | Isolation | -- | I | I | I | I |
| 103 | | Moisture Protection | -- | IPX4 | IPX4 | IPX4 | IPX4 |
| 104 | | Sound Pressure Level | dB (A) | 51 | 52 | 55 | 58 |
| 105 | | Sound Power Level | dB (A) | 62 | 64 | 63 | 67 |
| 106 | | Dimension (W×H×D) | mm | 732×550×330 | 732×550×330 | 732×550×330 | 873×555×376 |
| 107 | | Dimension (W×H×D) | inch | 28 52/64×21 42/64×12 63/64 | 28 52/64×21 42/64×12 63/64 | 28 52/64×21 42/64×12 63/64 | 35 58/64×25 ??/??×15 ??/?? |
| 108 | | Dimension of Carton Box (L×W×H) | mm | 789×390×600 | 789×390×600 | 791×373×590 | 948×428×591 |
| 109 | | Dimension of Carton Box (L×W×H) | inch | 31 4/64×15 23/64×23 40/64 | 31 4/64×15 23/64×23 40/64 | 31 9/64×14 44/64×23 15/64 | 37 21/64×16 54/64×23 17/64 |
| 110 | | Dimension of Package(L×W×H) | mm | 792×393×615 | 792×393×620 | 794×376×615 | 951×431×620 |
| 111 | | Dimension of Package(L×W×H) | inch | 31 12/64×15 30/64×24 14/64 | 31 12/64×15 30/64×24 26/64 | 31 17/64×14 51/64×24 14/64 | 37 28/64×16 62/64×24 26/64 |
| 112 | | Stacked Layers | -- | 5 | 5 | 6 | 4 |
| 113 | | Net Weight | kg | 25 | 25 | 26.5 | 36.5 |
| 114 | | Net Weight | lb | 55.1 | 55.1 | 58.433 | 80.5 |
| 115 | | Gross Weight | kg | 27.5 | 27.5 | 29 | 39.5 |
| 116 | | Gross Weight | lb | 60.6 | 60.6 | 63.945 | 87.1 |
| 117 | | Refrigerant | -- | R32 | R32 | R32 | R32 |
| 118 | | Refrigerant Charge | kg | 0.53 | 0.57 | 0.75 | 1.3 |
| 119 | | Refrigerant Charge | oz | 18.7 | 20.106 | / | 45.9 |
| 120 | | Length | m | 5 | 5 | 5 | 5 |
| 121 | | Length | ft | 16.4 | 16.4 | 16.4 | 16.4 |
| 122 | | Gas Additional Charge | g/m | 16 | 16 | 16.0 | 16 |
| 123 | | Gas Additional Charge | oz/ft. | 0.2 | 0.2 | 0.2 | 0.2 |
| 124 | | Outer Diameter of Liquid Pipe(GREE Allocation)(Metric) | mm | φ6 | φ6 | φ6 | φ6 |
| 125 | **Connection Pipe** | Outer Diameter of Liquid Pipe(British System Allocation) | inch | 1/4" | 1/4" | 1/4" | 1/4" |
| 126 | | Outer Diameter of Gas Pipe(GREE Allocation)(Metric) | mm | φ9.52 | φ9.52 | φ9.52 | φ12 |
| 127 | | Outer Diameter of Gas Pipe(British System Allocation) | inch | 3/8" | 3/8" | 3/8" | 1/2" |
| 128 | | Max Distance Height | m | 10 | 10 | 10 | 10 |
| 129 | | Max Distance Height | ft | 32.8 | 32.8 | 32.8 | 32.8 |
| 130 | | Max Distance Length | m | 15 | 15 | 25 | 25 |
| 131 | | Max Distance Length | ft | 49.2 | 49.2 | 82.0 | 82.0 |
| 132 | | Loading Quantity ( 20' Container ) | unit | 103 | 99 | 93 | 71 |
| 133 | **Loading Quantity** | Loading Quantity ( 40' Container ) | unit | 218 | 213 | 192 | 147 |
| 134 | | Loading Quantity ( 40' High Cube Container ) | unit | 260 | 242 | 225 | 168 |

| Air Condition Function | | | | | | | |
|---|---|---|---|---|---|---|---|
| 134 | | Automatic Operation | | YES | YES | YES | YES |
| 135 | | Cooling | | YES | YES | YES | YES |
| 136 | | Heating | | YES | YES | YES | YES |
| 137 | | Dehumidify | | YES | YES | YES | YES |
| 138 | | Fan | | YES | YES | YES | YES |
| 139 | | Sleep Mode | | Normal sleep mode | Normal sleep mode | Normal sleep mode | Normal sleep mode |
| 140 | | Auto Swing(Vertical Auto Swing) | | YES | YES | YES | YES |
| 141 | | Auto Swing(Horizontal Auto Swing) | | NO | NO | YES | YES |
| 142 | | Auto Fan | | YES | YES | YES | YES |
| 143 | | Quiet | | NO | NO | NO | NO |
| 144 | | I Feel | | YES | YES | YES | YES |
| 145 | | Anion | | NO | NO | NO | NO |
| 146 | | Cold Plasma | | YES | YES | YES | YES |
| 147 | | Intelligent Preheating | | YES | YES | YES | YES |
| 148 | | Fresh Air | | NO | NO | NO | NO |
| 149 | | Dry Anti-Mildew Design | | YES | YES | YES | YES |
| 150 | | Several Optional Filters (eg：Active Carbon) | | Optional | Optional | Optional | Optional |
| 151 | | Auto Clean | | YES | YES | YES | YES |
| 152 | | Timer | | YES | YES | YES | YES |
| 153 | | Auto Restart | | YES | YES | YES | YES |
| 154 | | Turbo | | YES | YES | YES | YES |
| 155 | | Clock | | YES | YES | YES | YES |
| 156 | | Temperature | | YES | YES | YES | YES |
| 157 | **Function** | Soft Start | | YES | YES | YES | YES |
| 158 | | Self Diagnosis | | YES | YES | YES | YES |
| 159 | | Lock | | YES | YES | YES | YES |
| 160 | | CO Detection | | NO | NO | NO | NO |
| 161 | | $CO_2$ Detection | | NO | NO | NO | NO |
| 162 | | Filter Dirty Alarm | | NO | NO | NO | NO |
| 163 | | Intelligent Open-Close Panel | | NO | NO | NO | NO |
| 164 | | Compressor Electric Heater Function | | NO | NO | NO | NO |
| 165 | | Chassis Electric Heater Function | | NO | NO | NO | NO |
| 166 | | Quick Connector | | NO | NO | NO | NO |
| 167 | | LCD (No Back Light) | | NO | NO | YES | YES |
| 168 | | LCD (Back Light) | | YES | YES | NO | NO |
| 169 | | LED | | YES | YES | YES | YES |
| 170 | | Intelligent Defrosting | | YES | YES | YES | YES |
| 171 | | Force Defrosting | | YES | YES | YES | YES |
| 172 | | Auxiliary Electrical Heater | | NO | NO | NO | NO |
| 173 | | Energy Saving | | YES | YES | YES | YES |
| 174 | | 8℃ Heating Mode | | YES | YES | YES | YES |
| 175 | | Turbo Cooling | | YES | YES | YES | YES |
| 176 | | High-Voltage Electrostatic Dedust | | NO | NO | NO | NO |
| 177 | | Low Ambient Cooling | | YES | YES | YES | YES |
| 178 | | Low Ambient Heating | | NO | NO | NO | NO |
| 179 | | Low Voltage Startup | | YES | YES | YES | YES |
| 180 | | Standby | | YES | YES | YES | YES |