



Real People. Real Savings. Real Fast.®

SUBMITTAL COVER SHEET

PROJECT NAME _____

LOCATION _____

ARCHITECT _____

ENGINEER _____

CONTRACTOR _____

SUBMITTED BY _____ DATE _____

UNIT SUMMARY

| | | | | | | |
|---------------------|--|--|--|--|--|--|
| Quantity | | | | | | |
| Unit Designation | | | | | | |
| Model No. | | | | | | |
| Total Cooling | | | | | | |
| Sensible Cooling | | | | | | |
| Air Ent. Evaporator | | | | | | |
| Air Lvg. Evaporator | | | | | | |
| Heating Input | | | | | | |
| Heating Output | | | | | | |
| CFM/ESP | | | | | | |
| EER/SEER | | | | | | |
| Electrical | | | | | | |
| Minimum Ampacity | | | | | | |
| Min.-Max. Breaker | | | | | | |
| Net Unit Weight | | | | | | |
| Accessory | | | | | | |
| Catalog Form Number | | | | | | |

ACCESSORIES:

NOTES:

SUBMITTAL SHEET FOR SP14**F 1 1/2 TO 5 NOMINAL TON [5.28 TO 17.6 kW], 14 SEER HEAT PUMP UNITS

JOB NAME _____ LOCATION _____
 CONTRACTOR _____ ORDER NO. _____
 ENGINEER _____ UNIT MODEL NO. _____
 SUBMITTED FOR APPROVAL RECORD COIL MODEL NO. _____
 DATE _____ AIR HANDLER MODEL NO. _____

UNIT DATA

COOLING PERFORMANCE

EFFICIENCY SEER
 TOTAL CAPACITY* MBH [kW]
 SENSIBLE CAPACITY* MBH [kW]
 OUTDOOR DESIGN TEMP °F [°C] DB
 TEMP. OF AIR ENTERING
 EVAPORATOR COIL °F [°C] DB
 °F [°C] WB
 POWER INPUT REQUIREMENT kW
(*uses blower motor heat)

HEATING PERFORMANCE

EFFICIENCY HSPF
 TOTAL CAPACITY* MBH [kW]
 OUTDOOR DESIGN TEMP °F [°C] DB
 TEMP. OF AIR ENTERING
 EVAPORATOR COIL °F [°C] DB

SUPPLY AIR BLOWER PERFORMANCE

TOTAL AIR SUPPLY CFM [L/s]
 TOTAL RESISTANCE EXTERNAL
 TO UNIT IWG
 BLOWER SPEED RPM
 POWER OUTPUT REQUIREMENT BHP
 MOTOR RATING HP [W]
 POWER INPUT REQUIREMENT kW

ELECTRICAL DATA

POWER SUPPLY Hz
 TOTAL UNIT AMPACITY AMPS
 MINIMUM WIRE SIZE AWG
 MAXIMUM OVERCURRENT DEVICE
 FUSES/HACR BREAKER AMPS

CLEARANCES

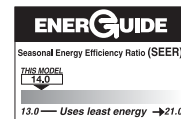
ACCESS SIDE 24" [609.6 mm]
 AIR INLETS 12" [304.8 mm]
 ABOVE UNIT 60" [1524 mm]

FEATURES FOR SP14**F HEAT PUMP UNITS

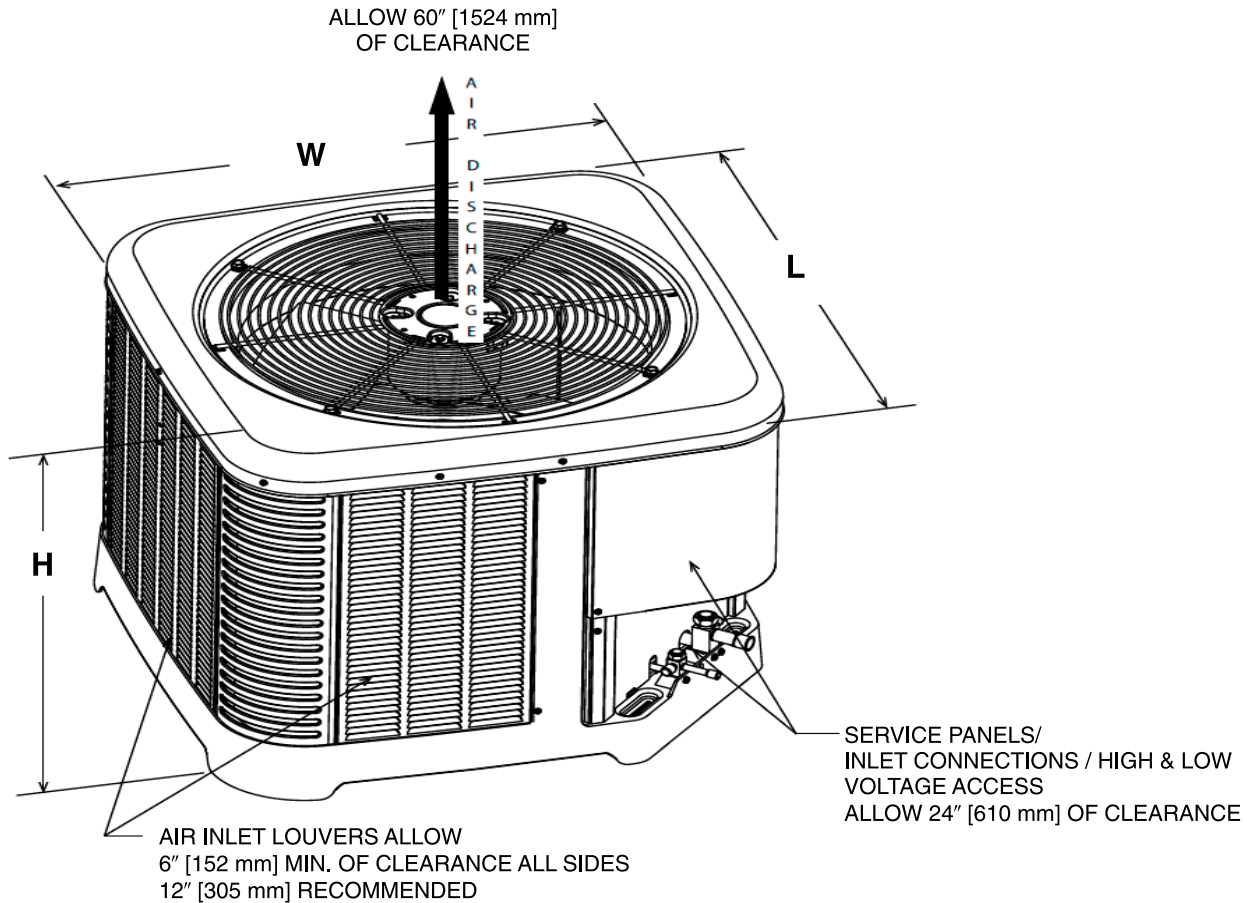
- The SP14**F Series is designed to achieve 14 SEER with Coil only *(for the dual fuel market) and PSC Air Handlers match ups
- New composite base pan – dampens sound, captures wire grille, eliminates corrosion and reduces number of fasteners needed
- Improved tubing design – reduces vibration and stress, making unit quieter and reducing opportunity for leaks
- Optimized defrost characteristics – decrease defrosting and provide better home comfort
- Powder coat paint finish – for a long lasting professional finish
- Optimized reversing valve sizing – improves shifting performance for quieter unit operation and increased life of the system
- Enhanced mufflers – help to dissipate vibration energy for quieter unit operation
- Scroll compressor – a sound abating feature added to the compressor significantly reduces noise when system transitions in and out of defrost mode
- Modern cabinet aesthetics – increased curb appeal with visually appealing design
- Wire grille – provide ultimate coil protection, enhance cabinet strength, and increased cabinet rigidity
- Optimized fan orifice – optimizes airflow and reduces unit sound
- Rust resistant screws – confirmed through 1500-hour salt spray testing
- 3"-4"-5" service valve space – provides a minimum working area of 27-square inches for easier access
- Integrated heat pump lift receptacle – allows standard CPVC stands to be inserted into the base
- 15" wide, industry leading corner service access – makes repairs easier and faster.
- External gauge port access – allows easy connection of "low-loss" gauge ports
- Single-row condenser coil – makes unit lighter and allows thorough coil cleaning to maintain "out of the box" performance
- Fewer cabinet fasteners – allow for faster access to internal components and hassle-free panel removal
- Service trays – hold fasteners or caps during service calls
- QR code – provides technical information on demand for faster service calls
- Fan motor harness with extra-long wires – allows unit top to be removed without disconnecting fan wire

ACCESSORIES/OPTIONS

Compressor Crankcase Heater
 Low Ambient Control (Model No. RXAD-A08)
 Compressor Sound Cover
 Compressor Hard Start Kit



SP14F 18, 24, 30,
36, 42, 48, 60**



ST-A1226-02-00

Unit Dimensions

| MODEL NUMBER | OPERATING | | | | | | SHIPPING | | | | | |
|--------------|------------|------|------------|-----|-----------|-----|------------|------|------------|-----|-----------|------|
| | H (Height) | | L (Length) | | W (Width) | | H (Height) | | L (Length) | | W (Width) | |
| | INCHES | mm | INCHES | mm | INCHES | mm | INCHES | mm | INCHES | mm | INCHES | mm |
| SP1418F | 25 | 635 | 29.75 | 755 | 29.75 | 755 | 27.90 | 708 | 33.25 | 844 | 33.00 | 838 |
| SP1424F | 25 | 635 | 29.75 | 755 | 29.75 | 755 | 27.90 | 708 | 33.25 | 844 | 33.00 | 838 |
| SP1430F | 31 | 787 | 33.75 | 857 | 33.75 | 857 | 33.32 | 846 | 37.64 | 956 | 37.56 | 954 |
| SP1436F | 35 | 889 | 33.75 | 857 | 33.75 | 857 | 38.35 | 974 | 37.64 | 956 | 37.56 | 954 |
| SP1442F | 35 | 889 | 33.75 | 857 | 33.75 | 857 | 38.35 | 974 | 37.64 | 956 | 37.56 | 954 |
| SP1448F | 39 | 990 | 35.75 | 908 | 35.75 | 908 | 42.00 | 1066 | 39.37 | 999 | 39.64 | 1006 |
| SP1460F | 45 | 1143 | 35.75 | 908 | 35.75 | 908 | 48.18 | 1223 | 39.37 | 999 | 39.64 | 1006 |

[] Designates Metric Conversions

Before proceeding with installation, refer to installation instructions packaged with each model, as well as complying with all Federal, State, Provincial, and Local codes, regulations, and practices.

Sure Comfort® Heating and Cooling
P.O. Box 17010, Fort Smith, AR 72917

"In keeping with its policy of continuous progress and product improvement, Sure Comfort® reserves the right to make changes without notice."