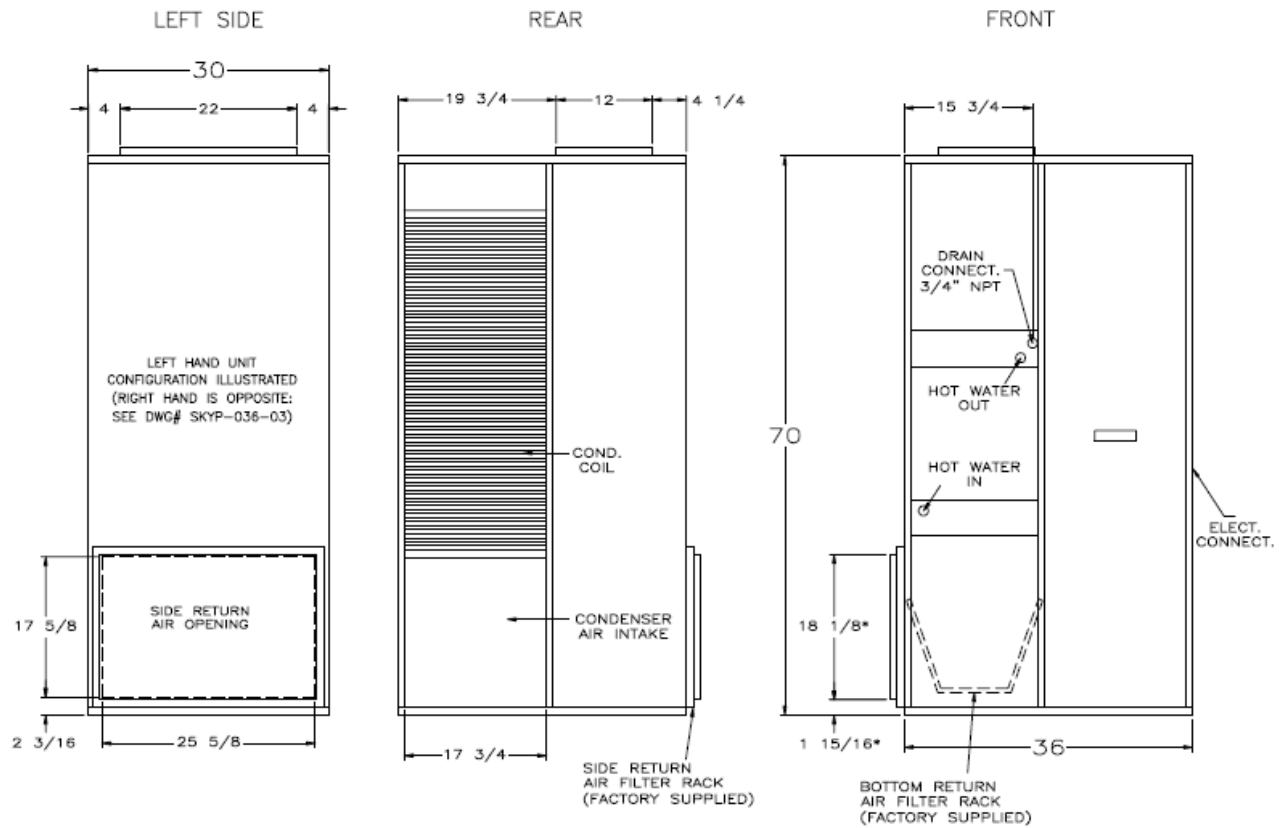


PROJECT:

TAG:



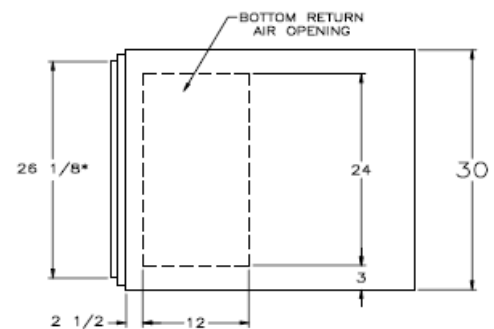
MODEL NUMBER	SWAE036
HEATING SECTION	HOT WATER COIL
AREA / ROWS / FPI	2.43 / 2 / 14
FLOW RANGE (USGPM)	4 - 7
WATER CONNECTION SIZE	1/2 in FPT
COOLING SECTION (R-410A)	208-230/1/60 (197 MIN. OPER. VOLTS)
BTU/HR T.C.*	36,400
BTU/HR SENSIBLE	28,200
CFM AT .30" E.S.P	1200
EFFICIENCY (S.E.E.R.)	13.0
COMPRESSOR R.L.A.	17.0
COMPRESSOR L.R.A.	79.0
MIN. CIRCUIT AMPACITY	26.85
MAX. FUSE SIZE	40
SIDE RETURN - FILTER SIZE / TYPE**	2 - 14 in. x 20 in. x 1 in. / Flat Panel
BOTTOM RETURN - FILTER SIZE / TYPE***	24 in. x 30 in. / 1 inch Thick REPLACEABLE MEDIA
APPROX. SHIP WHT (LBS.)	515

CAUTION: COOLING SECTION OF THIS UNIT SHOULD NOT BE OPERATED WHEN OUTSIDE TEMPERATURE IS BELOW 60°F

PERFORMANCE TESTED IN ACCORDANCE WITH ARI STANDARD 210/240-94. RATING CONDITIONS OF 95°F OUTDOOR AMBIENT, AND 80°F db / 67°F wb INDOOR AIR TEMPERATURE

* T.C. = NET COOLING CAPACITY (HEAT DISSIPATION FROM FAN MOTOR INCLUDED)

** FIELD SUPPLIED *** FACTORY SUPPLIED



* SIDE RETURN FILTER RACK—
DUCT CONNECTION DIMENSION

For Installation in an alcove or closet
Minimum clearance for service access - 24" to front of unit

HEATING OUTPUT [MBh] - 65°F EAT

1200 CFM		GPM			
		4	5	6	7
EWT	140°F	50.6	53.1	55.0	56.3
	160°F	64.5	64.7	70.0	71.7

Johnson Controls maintains a continuous product improvement policy, therefore specifications are subject to change without notice.



DESCRIPTION:

SWAE3612
PACKAGED 13 SEER AIR CONDITIONER
with HYDRONIC HEATING
DIMENSIONAL & PERFORMANCE DATA

DATE:

March 2008

GENERAL

All SKYPAK models feature a complete heating, cooling, and air handling system in one self-contained assembly. Units are shipped completely factory assembled, tested, and ready for field connection. The unit casing is made entirely of heavy gauge galvanized steel. The cabinet interior is fully insulated with foil faced fiberglass insulation, firmly attached with nonflammable adhesive, to prevent heat loss or gain to the interior space. All operating components of the mechanical systems are completely enclosed in the insulated cabinet to minimize sound transmission.

Units are designed for freestanding floor mounting, in conjunction with the companion wall sleeve. Airflow orientation is up-flow, top discharge. Units may be ordered in either left hand, or right hand, return air configuration. The standard return-air opening is factory cut for side-intake. A bottom-intake opening may be ordered; unit will ship with a pre-cut opening in the base, and a solid evaporator side panel.

The outdoor wall grille is available in five standard colors, or may be custom color matched.

COOLING SECTION

The high-efficiency cooling section utilizes a 'Scroll' type refrigerant compressor. Each refrigeration circuit is thoroughly evacuated, and fully charged with R-410A refrigerant before shipment. Internal compressor-motor overload protection is standard. Compressors are mounted on rubber isolators to minimize vibration transmission. A compressor start assist device is included to ensure reliable compressor operation in the event of low supply voltage. The refrigeration circuit includes an externally equalized thermal expansion valve, liquid line filter drier, a high refrigerant pressure switch (manual-reset), and service gauge ports.

The evaporator and condenser coils are constructed of internally enhanced copper tubes mechanically bonded to enhanced aluminum plate fins. The evaporator coil is employed in a blow-through configuration. Large evaporator coil face area maximizes efficiency and cooling performance.

INDOOR FAN

Forward curved, double inlet / double width, belt-driven centrifugal blower is used for indoor air movement. Blower wheel is fabricated of galvanized steel. The high-efficiency PSC motor features permanently lubricated bearings and internal automatic overload protection. The motor / blower assembly is complete with a variable pitch drive pulley for field adjustment of the blower RPM range. The large diameter wheel provides required airflow performance at minimum sound levels.

OUTDOOR FANS

Direct-drive, statically and dynamically balanced 16-inch propeller fans (2) with aluminum blades and electro-coated steel hubs are used in blow-through horizontal discharge arrangement. The dual fan modules are independently removable, for service of the fan assembly or cleaning of the condenser coil surface. Permanently lubricated, totally enclosed motors shall be provided, with built in thermal overload protection. Motors shall be of ball bearing type.

HOT WATER HEAT SECTION

The two-row hot water heating coil is constructed of copper tubes mechanically bonded to aluminum plate fins. The large coil face area ensures maximum heat transfer from the hot water supply. An optional circulating pump may be factory installed to provide control of the water flow, simultaneous with blower operation. The unit controls are factory wired to allow voltage terminal strip, for connection to a single stage heat/cool thermostat.

FILTERS

Each unit is shipped with a filter rack assembly, complete with filters. The type of filter arrangement shall be one of the following, as determined by the units specified return air configuration:

- A flat-panel filter rack is provided for side return air applications. The rack is shipped inside the unit; to be field installed in the side return opening. One-inch thick throwaway filters (two per unit) are factory provided for the side return rack (Flat Filter Size = 2 - 14 X 20 X 1).
- An internal suspended wire-frame style filter rack, for use with replaceable filter media, is provided for bottom return air applications. A one-inch thick fiberglass media filter is factory provided (Media Size = 24" Wide X 30" Long).

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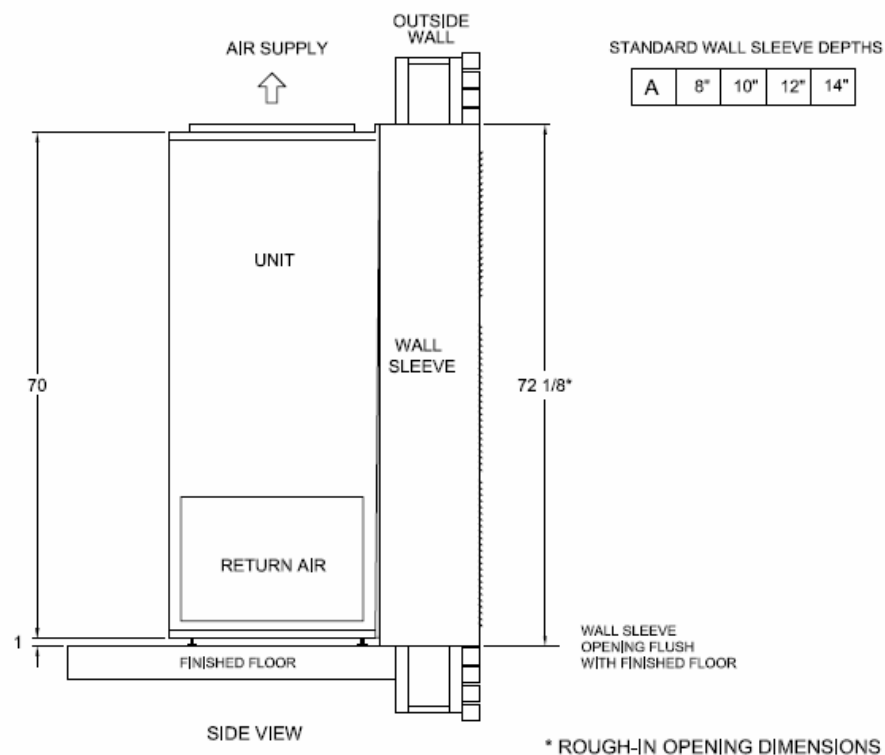
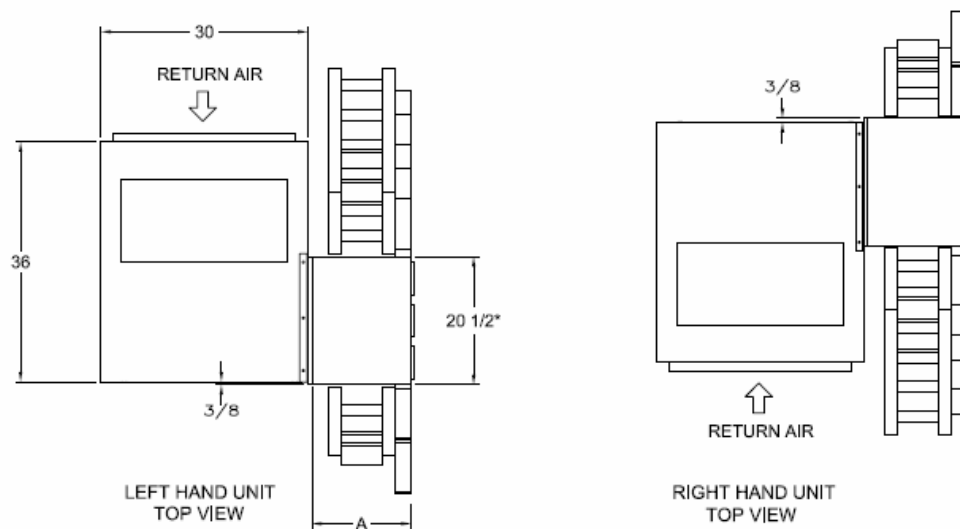


DESCRIPTION:

**MECHANICAL SPECIFICATIONS
SKYPAK II – 3 TON
HYDRONIC HEAT / COOLING (13 SEER)**

DATE:

March 2008



DESCRIPTION:

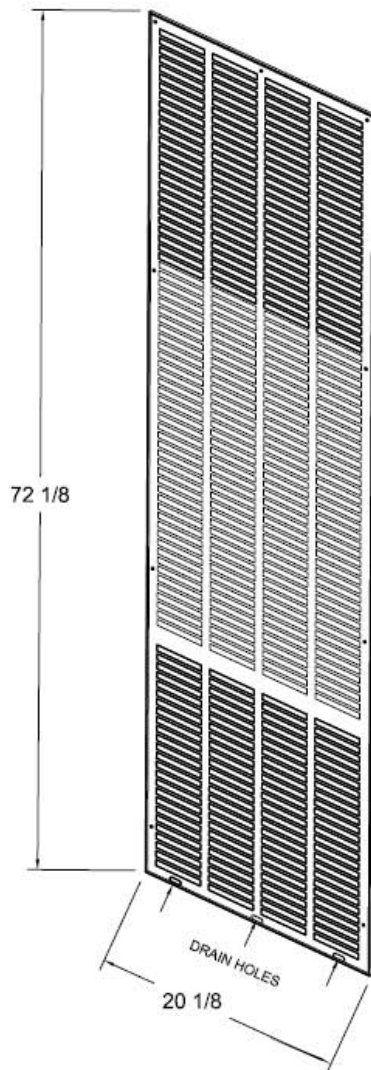
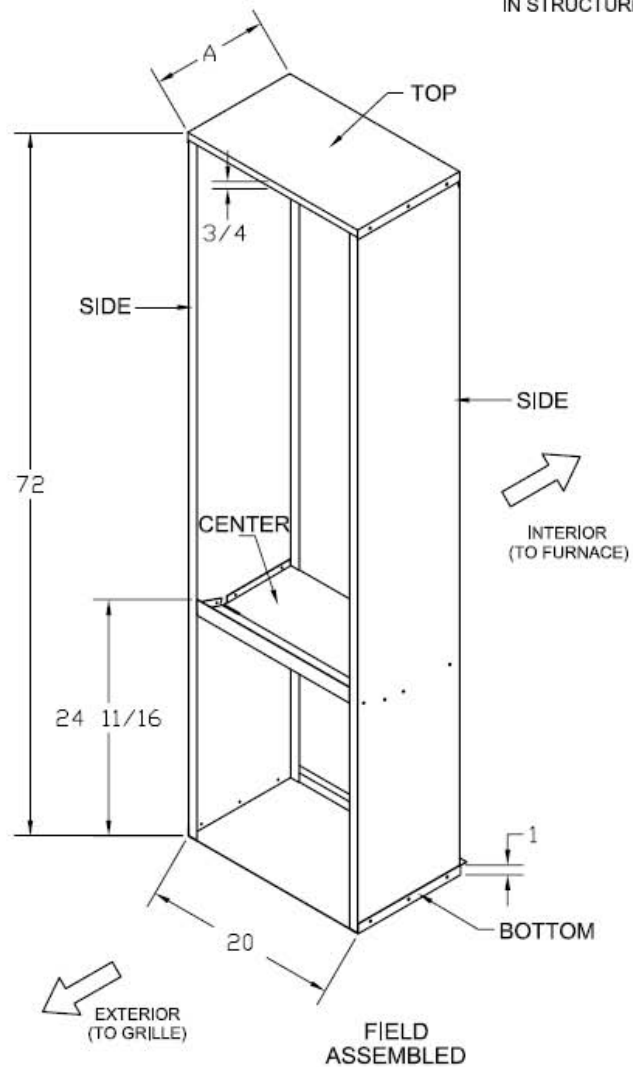
3 TON COMMERCIAL SKYPAK UNIT
TYPICAL INSTALLATION LAYOUT

DATE:

March 2008

NOTE:

ALLOW 1/8" CLEARANCE
FOR SCREW HEADS AND
PROVIDE SUFFICIENT
TOLERANCE TO ALLOW
FOR ANY DISCREPANCIES
AND/OR IRREGULARITIES
IN STRUCTURE

WALL SLEEVE GRILLE**WALL SLEEVE**

A			
SLEEVE DEPTHS			
8"	10"	12"	14"

Johnson Controls maintains a continuous product improvement policy, therefore specifications are subject to change without notice.

**DESCRIPTION:**

SKYPAK SGAE036 - 13 SEER
3 TON - WALL SLEEVE and GRILLE
DIMENSIONS

DATE:

March 2008