

SUBMITTAL DATA SHEET



ECHELON™ SINGLE PACKAGE HEAT PUMPS
(14 SEER, 12 EER, R-410A) 2 - 5 TON
MODELS: B_UQ 024 thru 060

JOB NAME:		LOCATION:		
PURCHASER:		ORDER NO:		
ENGINEER:				
SUBMITTED TO:	FOR:	REF:	APPROVAL:	CONSTRUCTION:
SUBMITTED BY:		DATE:		
UNIT DESIGNATION:		SCHEDULE NO.	MODEL NO.	

COOLING PERFORMANCE

EFFICIENCY ----- SEER
 TOTAL CAPACITY----- MBH
 SENSIBLE CAPACITY ----- MBH
 OUTDOOR DESIGN TMP. _____ °F DB/WB
 TOTAL SUPPLY AIR ----- CFM
 TEMP. OF AIR ENTERING
 EVAPORATOR COIL ----- °F DB/WB
 POWER INPUT REQ. ----- KW
 (LESS BLOWER MOTOR)

HEATING PERFORMANCE

CAPACITY
 @ 47°F----- MBH
 @ 17°F----- MBH
 COEFFICIENT OF PERFORMANCE
 @ 47°F----- MBH
 @ 17°F----- MBH
 RESISTANCE HEAT
 MODEL NUMBER-- _____
 CAPACITY----- MBH
 VOLTS-----
 POWER INPUT REQ. ----- KW

SUPPLY AIR BLOWER PERFORMANCE

TOTAL SUPPLY AIR ----- CFM
 TOTAL RESISTANCE EXTERNAL
 TO UNIT ----- IWG
 BLOWER SPEED (Circle)----- RPM
 MOTOR RATING ----- HP
 POWER INPUT REQ. ----- KW

ELECTRICAL DATA

POWER SUPPLY ----- / /
 TOTAL UNIT AMPACITY ----- AMPS
 MAX. OVERCURRENT DEVICE
 ___ FUSES ___ CIRCUIT BREAKER - AMPS

TOTAL UNIT WEIGHT

TOTAL UNIT WEIGHT (operational) - LBS

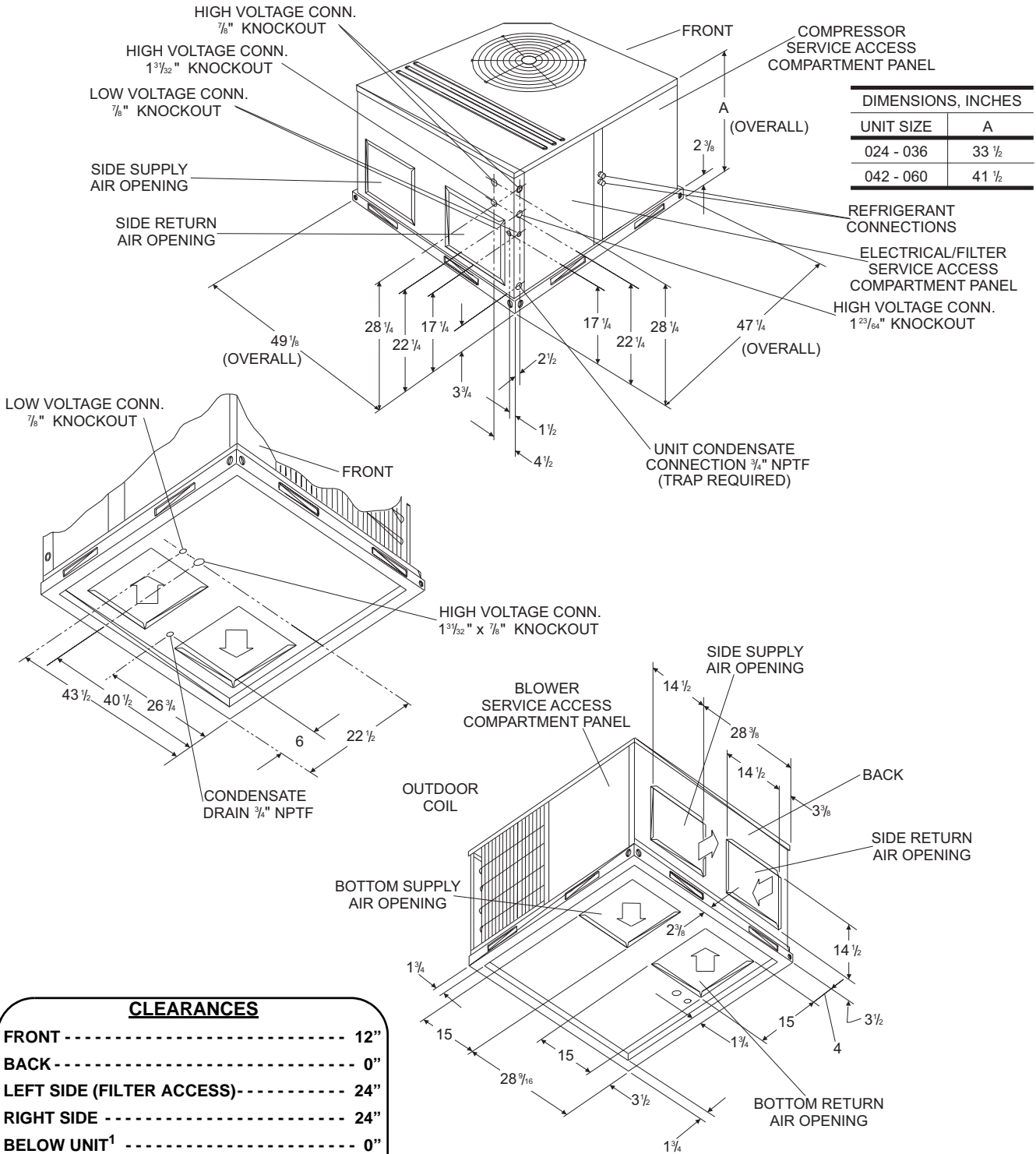
STANDARD FEATURES

- R-410A Refrigerant.
- High and low pressure switches on all products.
- Compact single size cabinet design with one size footprint.
- Bottom and or side electrical utility connections.
- Top discharge condenser air design with flush mounted grille guard.
- Full perimeter, removable base rails with built in rigging and shipping provisions.
- Heavy gauge galvanized steel cabinet with a paint finish which has industry leading 1000 hour salt spray rating per ASTM-B117 federal test standards.
- Easily field convertible from side to bottom discharge. No other accessory needed.
- Attractive cabinet design with single piece "Water-Shed" top cover and drip edge to deter water collection and longer life.
- Factory installed, attractive protection condenser coil grille (See graphic).
- High efficient rifled tube with enhanced fin condenser and evaporator coils.
- Foil face insulation which does not emit fibers into the airstream.
- Permanently lubricated outdoor and indoor motors.
- Electronically commutated indoor and outdoor motors (ECM).
- Non corrosive condensate pan internally sloped to meet strict requirements of ASHRAE 62-89 Indoor Air Quality standard.
- Internal compressor protection (temperature and pressure).
- Standard cooling operation down to 45° F.
- Solid core filter drier.
- Ridged mounted, protected refrigerant access ports externally accessible.
- Both numbered and colored wires.
- All three phase models have built in filter rack with cleanable filters and 75 VA transformer with re-settable circuit breaker.
- Reliable time/temperature defrost control with built-in anti-short cycle timer.
- Suction line accumulator.
- Slide-out blower assembly.
- Field installed electric heaters available.
- Warranties on all product applications:
 - 10 year single phase compressor warranty and 5 or 10* year limited warranty on parts.
 - * To qualify for the extended 10-year parts warranty, the unit must be registered online at www.upgproductregistration.com within 90 days of install.
 - 5 year 3 phase compressor warranty and 1 year limited warranty on parts.
 - 5 year electric heat element warranty.

NOTE:

- Refer to the latest Technical Guide for unit specifications.
- Unit may be installed on combustible floors made from wood or class A, B or C roof covering material.
- Units must be installed outdoors. Overhanging structures or shrubs should not obstruct air discharge outlet.

DIMENSIONS - INCHES



CLEARANCES

FRONT	12"
BACK	0"
LEFT SIDE (FILTER ACCESS)	24"
RIGHT SIDE	24"
BELOW UNIT ¹	0"
ABOVE UNIT ²	36"

1. Units may be installed on combustible floors made from wood or class A, B or C roof covering material.
2. Units must be installed outdoors. Overhanging structures or shrubs should not obstruct outdoor air discharge outlet.

Subject to change without notice. Printed in U.S.A.
 Copyright © 2009 by Johnson Controls, Inc. All rights reserved.

528463-CSD-B-1009
 Supersedes: 528463-CSD-A-0609

Johnson Controls Unitary Products
 5005 York Drive
 Norman, OK 73069