



Air Conditioning & Heating

## ARUF SERIES

### Multi-position Air Handler

1½ to 5 Ton



*The ARUF multi-position air handler is approved for modular homes and may be installed in a utility room, closet, alcove, basement or attic.*

#### Standard Features

- Direct-drive, multi-speed motor allows air volume variation for heating/cooling application needs
- Multi-position (upflow/horizontal or downflow) air handler
- Equipped with a check flowrater for cooling and heat pump applications
- Built-in coil with horizontal and vertical thermoplastic drain pans and secondary drains
- Copper tube/aluminum fin coil
- Power supply entry at top
- Low-voltage entry on left side and top
- Transformer and blower time delay on all units
- Built-in filter rack for 1" filter (filter not included)

#### Cabinet Construction

- Fully insulated steel cabinet
- Rust-resistant, galvanized cabinet

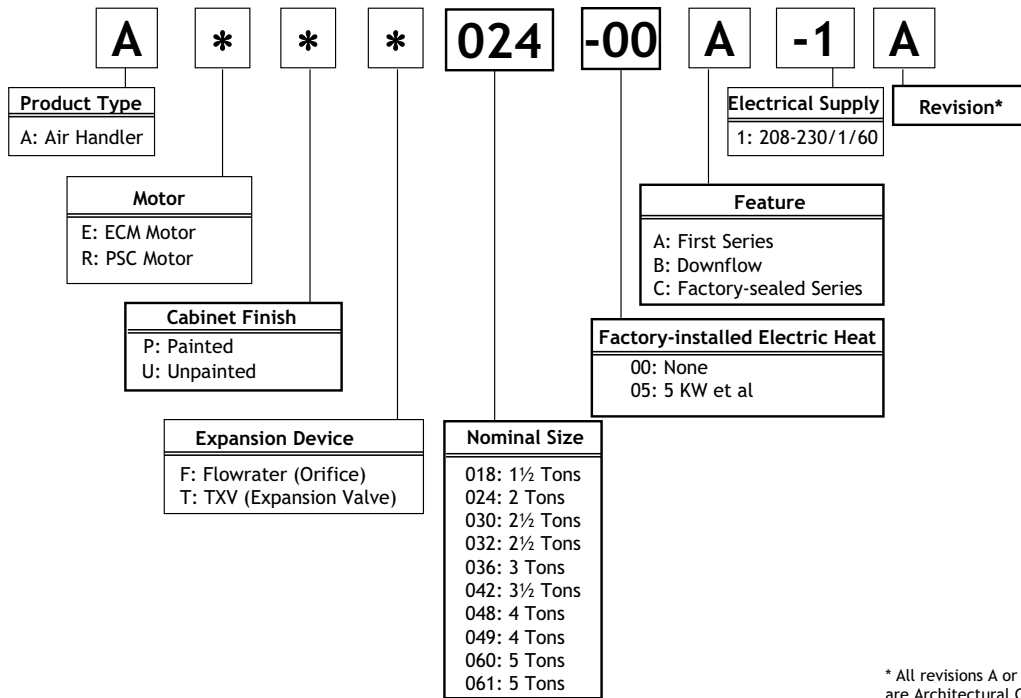
#### Accessories

- Pre-tested, pre-wired, field-installed electric heat kits in 5 to 20 kW (single-phase models); 15 and 20kW (3-phase models)
- Features electric heat limit control, rust-resistant nickel chromium heating elements and select models having circuit breakers
- Permanent washable plastic air filters (FIL18-32, FIL36-42, FIL48-61)
- Thermal Expansion Valve Kits for air conditioning-only applications
- Coil Insulation Kit for downflow applications



# PRODUCT SPECIFICATIONS

## Nomenclature



## Specifications

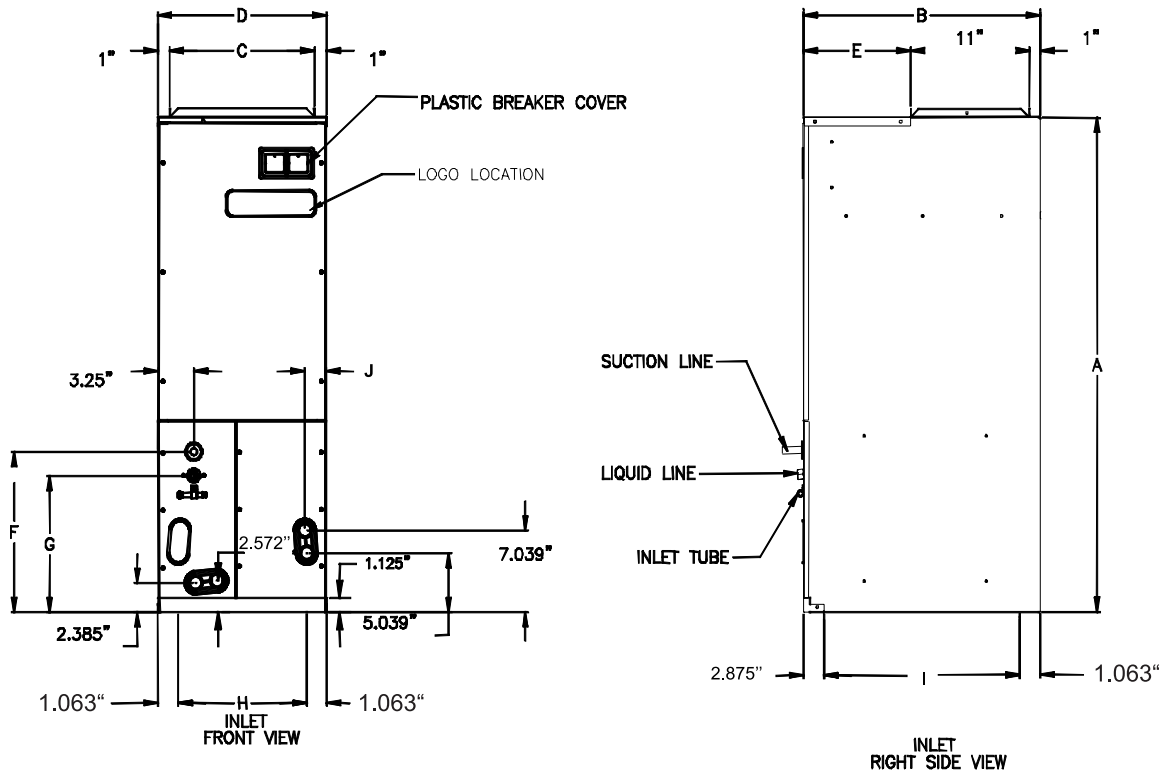
Model	Blower		Coil Drain Connection FPT	Service Valve		Approximate Shipping Weight (pounds)
	Diameter	Width		Liquid	Suction	
ARUF018-00A-1/-1A	8"	6"	3/4"	3/8"	5/8"	105
ARUF024-00A-1/-1A	9½"	6"	3/4"	3/8"	3/4"	106
ARUF030-00A-1/-1A	9½"	6"	3/4"	3/8"	3/4"	113
ARUF032-00A-1/-1A/-1B	9½"	6"	3/4"	3/8"	3/4"	120
ARUF036-00A-1/-1A	9½"	8"	3/4"	3/8"	3/4"	141
ARUF042-00A-1/-1A	9½"	8"	3/4"	3/8"	3/4"	144
ARUF048-00A-1/-1A	9½"	8"	3/4"	3/8"	7/8"	173
ARUF049-00A-1/-1A	9½"	8"	3/4"	3/8"	7/8"	173
ARUF060-00A-1/-1A	10⅝"	10⅝"	3/4"	3/8"	7/8"	192
ARUF061-00A-1/-1A	10⅝"	10⅝"	3/4"	3/8"	7/8"	192

## Electrical Data

Model	Single Supply Circuit		Minimum VAC	Maximum VAC	Blower Motor	
	Minimum Circuit Ampacity @ 208/240V	Maximum Overcurrent Protection @ 208/240V (amps)			FLA	HP
	ARUF018-00A-1/-1A	1.2/1.2	15/15	197	253	0.96
ARUF024-00A-1/-1A	1.9/1.9	15/15	197	253	1.5	1/5
ARUF030-00A-1/-1A	2.4/2.4	15/15	197	253	1.95	1/3
ARUF032-00A-1/-1A/-1B	2.4/2.4	15/15	197	253	1.95	1/3
ARUF036-00A-1/-1A	2.7/2.7	15/15	197	253	2.15	1/3
ARUF042-00A-1/-1A	2.8/2.8	15/15	197	253	2.2	1/2
ARUF048-00A-1/-1A	3.3/3.3	15/15	197	253	2.6	1/2
ARUF049-00A-1/-1A	3.3/3.3	15/15	197	253	2.6	1/2
ARUF060-00A-1/-1A	4.9/4.9	15/15	197	253	3.9	3/4

# PRODUCT SPECIFICATIONS

## Dimensions



Model	A	B	C	D	E	F	G	H	I	J
ARUF018-00A-1/-1A	42.125"	22"	13.5"	15.5"	10"	14.5"	11.935"	13.125"	17.938"	2.024"
ARUF024-00A-1/-1A	42.125"	22"	13.5"	15.5"	10"	14.5"	11.935"	13.125"	17.938"	2.024"
ARUF030-00A-1/-1A	42.125"	22"	13.5"	15.5"	10"	14.5"	11.935"	13.125"	17.938"	2.024"
ARUF032-00A-1/-1A/-1B	42.125"	22"	13.5"	15.5"	10"	14.5"	11.935"	13.125"	17.938"	2.024"
ARUF036-00A-1/-1A	46.75"	22"	17.5"	19.5"	10"	14.5"	11.935"	17.125"	17.938"	2.024"
ARUF042-00A-1/-1A	46.75"	22"	17.5"	19.5"	10"	14.5"	11.935"	17.125"	17.938"	2.024"
ARUF048-00A-1/-1A	53.25"	24"	20"	22"	12"	14.5"	11.935"	19.625"	17.938"	2.024"
ARUF049-00A-1/-1A	53.25"	24"	20"	22"	12"	14.5"	11.935"	19.625"	19.938"	1.837"
ARUF060-00A-1/-1A	53.25"	24"	20"	22"	12"	14.5"	11.935"	19.625"	19.938"	1.837"
ARUF061-00A-1/-1A	53.25"	24"	20"	22"	12"	14.5"	11.935"	19.625"	19.938"	1.837"

## Blower Performance

Model	Speed	CFM Delivered Against External Static Pressure (inches water)				
		0.1"	0.2"	0.3"	0.4"	0.5"
ARUF018-00A-1/-1A	High/Low	700/674	630/600	580/545	530/490	490/380
ARUF024-00A-1/-1A	High/Low	1,056/935	1,020/910	980/880	920/850	870/790
ARUF030-00A-1/-1A	High/Low	1,150/1,060	1,110/1,040	1,040/980	980/910	920/860
ARUF032-00A-1/-1A	High/Low	1,150/1,060	1,110/1,040	1,040/980	980/910	920/860
ARUF032-00A-1B	High/Medium/Low	1,150/870/640	1,090/830/610	1,020/790/570	950/750/530	900/710/490
ARUF036-00A-1/-1A	High/Low	1,549/1,322	1,470/1,310	1,420/1,280	1,360/1,320	1,290/1,150
ARUF042-00A-1/-1A	High/Low	1,586/1,524	1,530/1,490	1,470/1,420	1,410/1,370	1,350/1,175
ARUF048-00A-1/-1A	High/Low	1,670/1,580	1,610/1,520	1,530/1,470	1,470/1,410	1,390/1,340
ARUF049-00A-1/-1A	High/Low	1,670/1,580	1,610/1,520	1,530/1,470	1,470/1,410	1,390/1,340
ARUF060-00A-1/-1A	High/Low	2,170/1,900	2,080/1,810	2,000/1,780	1,920/1,710	1,850/1,630
ARUF061-00A-1/-1A	High/Low	2,170/1,900	2,080/1,810	2,000/1,780	1,920/1,710	1,850/1,630

Dry coil with Filter in Place

SCFM Correction for Wet Coil – 4%

## PRODUCT SPECIFICATIONS

### Heat Kit Applications

	ARUF018-00A-1/-1A	ARUF024-00A-1/-1A	ARUF030-00A-1/-1A	ARUF032-00A-1/1A	ARUF032-00A-1B	ARUF036-00A-1/-1A	ARUF042-00A-1/-1A	ARUF048-00A-1/-1A	ARUF049-00A-1/-1A	ARUF060-00A-1/-1A	ARUF061-00A-1/-1A
HKR-03	X	X	X	X	X	X	X	X	X	X	X
HKR-05(c)	X	X	X	X	X	X	X	X	X	X	X
HKR-06	X	X	X	X	X	X	X	X	X	X	X
HKR-08(c)	X	X	X	X	X	X	X	X	X	X	X
HKR-10(c)		X	X	X	X+	X	X	X	X	X	X
HKR-15(c)			X	X	X†	X	X	X	X	X	X
HKR-20(c)						X	X	X	X	X	X
HKR-21(c)						X	X	X	X	X	X
HKR3-15*						X	X	X	X	X	X
HKR3-20*						X	X	X	X	X	X

(c) Circuit breakers optional

\* Heat Kit requires 3-phase power supply

+ When using a 10 kW heat kit, this air handler must either be in medium or high speed.

† When using a 15 kW heat kit, this air handler must be on high speed.

### Expansion Valve Kits For Air Conditioning-only Applications

Kit Number	Used With	Description
XVB18-36C	ARUF018 to ARUF036	20% bleed valve
XVB42-60C	ARUF042 to ARUF060	20% bleed valve
XV18-36C	ARUF018 to ARUF036	Non-bleed valve
XV42-60C	ARUF042 to ARUF060	Non-bleed valve

### Coil Insulation Kit For Downflow Applications

Chassis Size	Insulation Kit
Small	DPI18-30/20
Medium	DPI36-42/20
Large	DPI48-60/20

Note: Each kit contains enough material to modify 20 coils



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