



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

- Compact, multi-position (upflow/horizontal or downflow) air handler
- Built-in filter rack for 1" filter (filter not included)
- Direct-drive, multi-speed motor allows air volume variation for heating/cooling application needs
- Equipped with a check flowrater for cooling only 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

#### Cabinet Construction

- Fully insulated steel cabinet
- Rust-resistant, galvanized cabinet sides and back

#### Accessories

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



# PRODUCT SPECIFICATIONS

## Electrical Data

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

\* amps

## Physical Data

Model	Blower		Coil Drain Connection	Refrigerant Connection		Approximate Shipping Weight (pounds)
	Diameter	Width	FPT	Liquid	Suction	
ARUF018-00A-1	8"	6"	3/4"	3/8"	5/8"	105
ARUF024-00A-1	9 1/2"	6"	3/4"	3/8"	3/4"	106
ARUF030-00A-1	9 1/2"	6"	3/4"	3/8"	3/4"	113
ARUF032-00A-1	9 1/2"	6"	3/4"	3/8"	3/4"	120
ARUF036-00A-1	9 1/2"	8"	3/4"	3/8"	3/4"	141
ARUF042-00A-1	9 1/2"	8"	3/4"	3/8"	3/4"	144
ARUF048-00A-1	9 1/2"	8"	3/4"	3/8"	7/8"	173
ARUF049-00A-1	9 1/2"	8"	3/4"	3/8"	7/8"	173
ARUF060-00A-1	10 5/8"	10 5/8"	3/4"	3/8"	7/8"	192
ARUF061-00A-1	10 5/8"	10 5/8"	3/4"	3/8"	7/8"	192

## Blower Performance

Model	Speed	CFM Delivered Against External Static Pressure				
		0.1"	0.2"	0.3"	0.4"	0.5"
ARUF018-00A-1	HIGH	700	630	580	530	490
	LOW	674	600	545	493	375
ARUF024-00A-1	HIGH	1056	1023	978	923	866
	LOW	935	914	881	847	788
ARUF030-00A-1	HIGH	1150	1106	1040	980	915
	LOW	1060	1039	982	914	863
ARUF032-00A-1	HIGH	1150	1106	1040	980	915
	LOW	1060	1039	982	914	863
ARUF036-00A-1	HIGH	1549	1472	1418	1358	1285
	LOW	1322	1307	1277	1323	1154
ARUF042-00A-1	HIGH	1586	1530	1471	1410	1350
	LOW	1524	1485	1423	1367	1175
ARUF048-00A-1	HIGH	1670	1610	1531	1467	1393
	LOW	1580	1516	1465	1405	1343
ARUF049-00A-1	HIGH	1670	1610	1531	1467	1393
	LOW	1580	1516	1465	1405	1343
ARUF060-00A-1	HIGH	2170	2080	2000	1920	1850
	LOW	1900	1810	1780	1710	1630
ARUF061-00A-1	HIGH	2170	2080	2000	1920	1850
	LOW	1900	1810	1780	1710	1630

## Performance Ratings

Model	Nominal Cooling Capacity (tons)
ARUF018-00A-1	1 1/2
ARUF024-00A-1	2
ARUF030-00A-1	2 1/2
ARUF032-00A-1	2 1/2
ARUF036-00A-1	3
ARUF042-00A-1	3 1/2
ARUF048-00A-1	4
ARUF049-00A-1	4
ARUF060-00A-1	5
ARUF061-00A-1	5

Dry coil with Filter in Place

SCFM Correction for Wet Coil - 4%

# PRODUCT SPECIFICATIONS

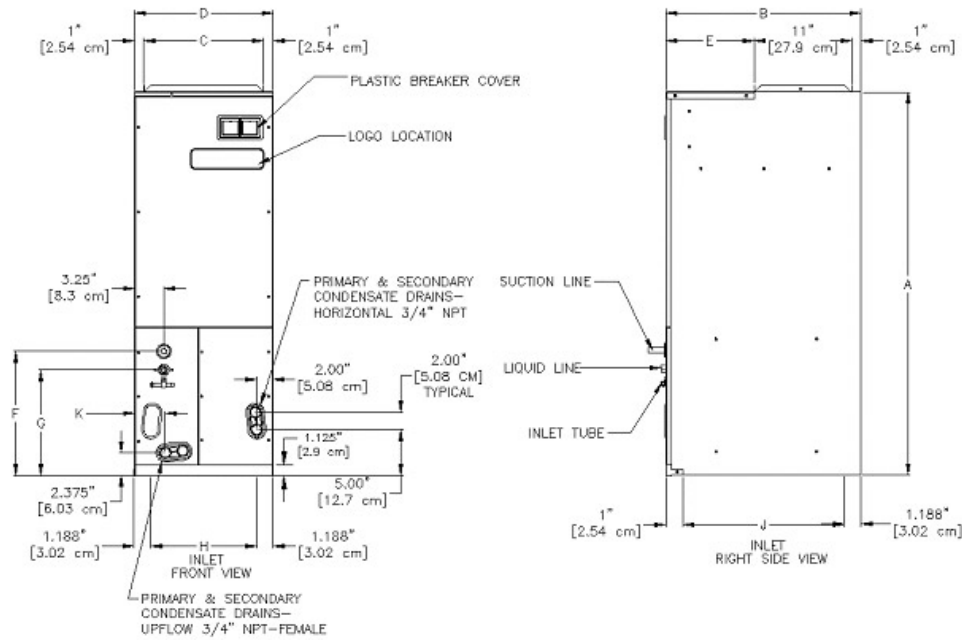
## Heat Kit Performance

	ARUF018-00A-1	ARUF024-00A-1	ARUF030-00A-1	ARUF032-00A-1	ARUF036-00A-1	ARUF042-00A-1	ARUF048-00A-1	ARUF049-00A-1	ARUF060-00A-1	ARUF061-00A-1
HKR-03	X	X	X	X	X	X	X	X	X	X
HKR-05(c)	X	X	X	X	X	X	X	X	X	X
HKR-06	X	X	X	X	X	X	X	X	X	X
HKR-08(c)	X	X	X	X	X	X	X	X	X	X
HKR-10(c)		X	X	X	X	X	X	X	X	X
HKR-15(c)			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

## Dimensions



Base Model Number	A	B	C	D	E	F	G	H
ARUF018-00A-1	41.125"	22"	13.5"	15.5"	10"	13.375"	10.811"	13.125"
ARUF024-00A-1	41.125"	22"	13.5"	15.5"	10"	13.375"	10.811"	13.125"
ARUF030-00A-1	41.125"	22"	13.5"	15.5"	10"	13.375"	10.811"	13.125"
ARUF032-00A-1	41.125"	22"	13.5"	15.5"	10"	13.375"	10.811"	13.125"
ARUF036-00A-1	46.75"	22"	17.5"	19.5"	10"	13.375"	10.811"	17.125"
ARUF042-00A-1	46.75"	22"	17.5"	19.5"	10"	13.375"	10.811"	17.125"
ARUF048-00A-1	53.25"	24"	20"	22"	12"	14.5"	11.935"	19.625"
ARUF049-00A-1	53.25"	24"	20"	22"	12"	14.5"	11.935"	19.625"
ARUF060-00A-1	53.25"	24"	20"	22"	12"	14.5"	11.935"	19.625"
ARUF061-00A-1	53.25"	24"	20"	22"	12"	14.5"	11.935"	19.625"

## PRODUCT SPECIFICATIONS

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

Kit Number	Used With	Description
XVB18-36C	ARUF018-00A-1 to ARUF036-00A-1	20% bleed value
XVB42-60C	ARUF042-00A-1 to ARUF060-00A-1	20% bleed value
XV18-36C	ARUF018-00A-1 to ARUF036-00A-1	Non-bleed value
XV42-60C	ARUF042-00A-1 to ARUF060-00A-1	Non-bleed value

### 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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