

MULTI-POSITION AIR HANDLER WITH NEW SMARTFRAME™ CONSTRUCTION

■ Standard Features

- Direct-drive, multi-speed ECM motor
- Transformer and blower time-delay on all units
- All-Aluminum coil
- Easy single-bulb UV light compatibility
- Cabinet air leakage less than 2.0% at 1.0 inch H₂O when tested in accordance with ASHRAE standard 193
- Cabinet air leakage less than 1.4% at 0.5 inch H₂O when tested in accordance with ASHRAE standard 193
- AHRI Certified; ETL Listed

■ Cabinet Features

- New rigid SmartFrame™ cabinet
- 21" depth for easy attic access
- DecaBDE-free thermoplastic drain pan
- Galvanized, leather grain-embossed finish
- Foil-faced insulation covers the internal blower case to reduce operating sound and cabinet condensation
- Glue-less cabinet insulation retention
- Screw-less sides & back helps reduce condensation
- Easily convertible multi-position capability: upflow, downflow or horizontal
- Coil-mounting track for quick repositioning
- Tool-less filter access (washable filters available)
- Multiple independent electrical knockouts

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* Complete warranty details available from your local dealer or at www.daikincomfort.com. To receive the 10-Year Parts Limited Warranty, online registration must be completed within 60 days of installation. Online registration is not required in California or Quebec.



NOMENCLATURE

	A	S	U	F	18	B	1	4	AA	
	1	2	3	4	5,6	7	8	9	10,11	
Brand	A - Single-Piece Air Handler									Engineering *
										Major/ Minor Revisions
										*Not used for inventory management
Unit Application										Refrigerant Charge
C - Ceiling Mount PSC Motor										4 = R-410A
D - Downflow PSC Motor										
E - Multi-Position Variable-Speed Motor										
R - Multi-Position PSC Motor										Electrical
S - Multi-Position EEM Motor										1 - 208/230 V, 1 Phase, 60 Hz
W - Wall Mount PSC Motor										
Cabinet Finish										Cabinet Width
U - Unpainted										B - 17½"
P - Painted										C - 21"
N - Uncased										D - 24½"
Expansion Device										Nominal Capacity Range @ 13 SEER
F - Flowrater										29 = 2½ Tons 49 = 4½ Tons
T - Expansion Valve										39 = 3½ Tons 59 = 5 Tons



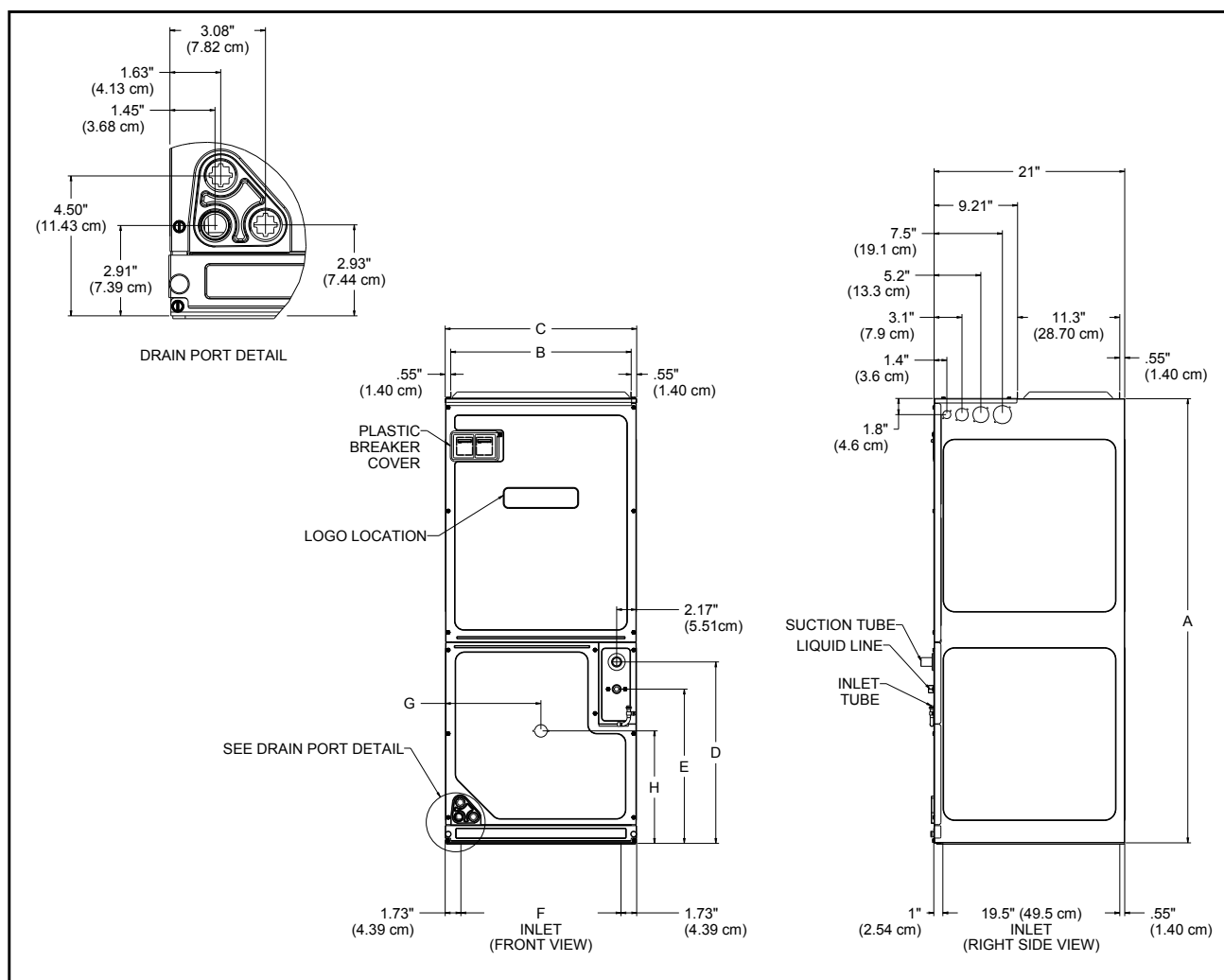
SPECIFICATIONS

	ASUF29B14*	ASUF39C14*	ASUF49C14*	ASUF59D14*
NOMINAL RATINGS				
Cooling (Btu/h)	30,000	42,000	54,000	60,000
BLOWER				
Diameter	9½"	10⅝"	10⅝"	11 ¹⁵ / ₁₆ "
Width	6"	8"	10⅝"	10⅝"
Coil Drain Connect FPT	¾"	¾"	¾"	¾"
REFRIGERANT LINE CONNECTION SIZE				
Liquid	⅝"	⅝"	⅝"	⅝"
Suction	¾"	7⁄8"	7⁄8"	7⁄8"
ELECTRICAL DATA				
Voltage	208 / 230	208 / 230	208 / 230	208 / 230
Min Circuit Ampacity	3/3	4 / 4	7/7	8/8
Max. Overcurrent Device (amps)	15 / 15	15 / 15	15/15	15 / 15
Min. / Max VAC	197 / 253	197 / 253	197/253	197 / 253
Blower Motor FLA/ HP	2.18/ 3/4	3.15/ 3/4	5.4/ 3/4	6.65/1
SHIP WEIGHT (LBS)	100	118	125	167

* Airflow rate @.5 static

Note: Assumes dry coil with filter in place; SCFM correction for wet coil = 4% (208V / 240V)

DIMENSIONS



MODEL	A	B	C	D	E	F	G	H
ASUF29B14	45	16 $\frac{3}{8}$	17 $\frac{1}{2}$	18	15	14 $\frac{1}{8}$	8 $\frac{3}{4}$	12
ASUF39C14*	49	20	21	20	17	17 $\frac{7}{8}$	10 $\frac{1}{2}$	12 $\frac{3}{8}$
ASUF49C14*	49	20	21	20	17	17 $\frac{7}{8}$	10 $\frac{1}{2}$	12 $\frac{3}{8}$
ASUF59D14*	58	23 $\frac{3}{8}$	24 $\frac{1}{2}$	28 $\frac{3}{4}$	25 $\frac{3}{4}$	21 $\frac{1}{8}$	12 $\frac{1}{4}$	12 $\frac{3}{8}$

AIRFLOW DATA (UPFLOW POSITION)

Model Number	Speed Tap	Static Pressure (in w.c.)									
		0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1
ASUF29B14	1	570	540	520	480	450	415	370	305	270	240
	2	650	605	600	570	530	500	460	425	380	330
	3	740	690	660	650	615	570	525	480	440	405
	4	855	810	775	755	750	720	690	650	620	575
	5	1,050	1,005	975	940	910	900	885	880	845	820
ASUF39C14	1	960	905	890	810	760	720	665	620	550	485
	2	1,060	1,010	995	920	875	835	790	745	690	615
	3	1,150	1,100	1,090	1,025	990	945	905	860	810	750
	4	1,250	1,220	1,205	1,145	1,110	1,070	1,035	990	940	885
	5	1,470	1,440	1,425	1,405	1,375	1,260	1,315	1,280	1,245	1,205
ASUF49C14	1	1,420	1,375	1,335	1,290	1,240	1,185	1,140	1,075	1,005	---
	2	1,555	1,505	1,470	1,415	1,360	1,315	1,265	1,215	1,170	---
	3	1,645	1,605	1,575	1,525	1,465	1,420	1,370	1,315	1,275	---
	4	1,745	1,690	1,655	1,625	1,570	1,520	1,470	1,425	1,385	---
	5	1,825	1,785	1,745	1,715	1,670	1,625	1,580	1,535	1,485	---
ASUF59D14	1	1,485	1,425	1,400	1,325	1,270	1,220	1,165	1,115	1,080	1,005
	2	1,675	1,625	1,600	1,530	1,485	1,435	1,390	1,345	1,295	1,245
	3	1,820	1,770	1,745	1,685	1,640	1,595	1,555	1,510	1,470	1,420
	4	2,060	2,010	1,995	1,925	1,880	1,845	1,800	1,760	1,720	1,680
	5	2,225	2,180	2,160	2,085	2,060	2,010	1,970	1,930	1,895	1,850

NOTES

- Assumes dry coil with filter in place; SCFM correction for wet coil = 4%
- All ASUF models are shipped from the factory with the speed tap set on T4.

MULTI-POSITION CONVERSION FACTOR

Horizontal Left Factor	0.98
Horizontal Right Factor	0.95
Downflow Factor	0.96

HEAT KIT APPLICATIONS

TYPE / MODEL	29B14-A*	39C14-A*	49C14-A*	59D14-A*
HKSX03XC*	X	X	X	X
HKSX05XC*	X	X	X	X
HKSX06XC*	X	X	X	X
HKSX08XC*	X	X	X	X
HKSX10XC*	X	X	X	X
HKSC05XC*	X	X	X	X
HKSC08XC*	X	X	X	X
HKSC10XC*	X	X	X	X
HKSC15XA*	X	X	X	X
HKSC15XB*	X	X	X	X
HKSC15XF*	---	X	X	X
HKSC19CA*	---	X	X	---
HKSC19CB*	---	X	X	---
HKSC20DA*	---	---	---	X
HKSC20DB*	---	---	---	X
HKSC20DF*	---	X	X	X
HKSC25DC*				X

* Revision level that may or may not be designated.

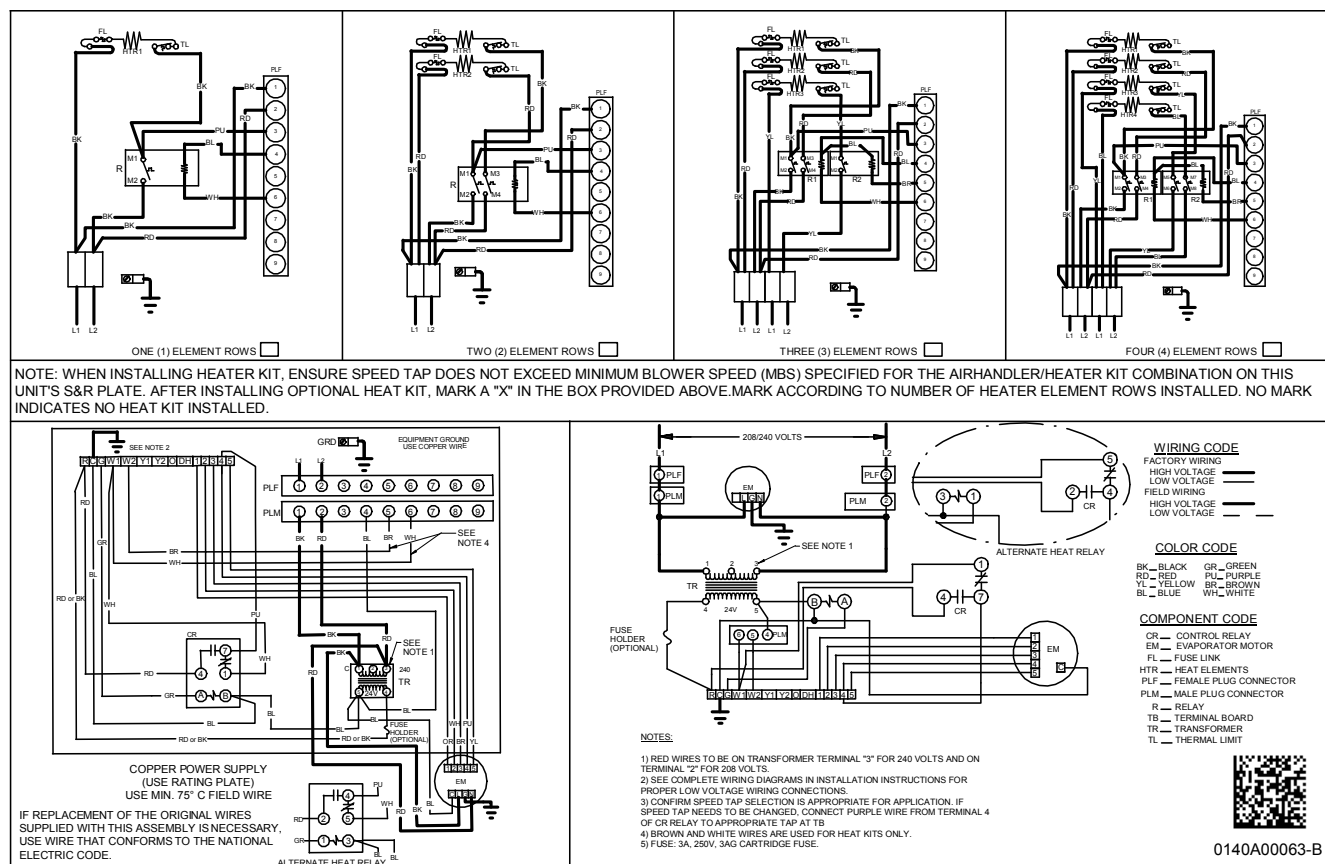
Refer to the minimum airflow requirements for each of the heat kits.

SINGLE-POINT KIT **

MODEL	HKR-15C	HKR-20C	HKR-21C
SPW-01	X	X	X

** Must be installed along with any of the above compatible heat kits. This kit will fit any ARUF air handler as long as a compatible heat kit is installed in the unit.

WIRING DIAGRAM



Wiring is subject to change. Always refer to the wiring diagram or the unit for the most up-to-date wiring.

WARNING

High Voltage: Disconnect all power before servicing or installing this unit. Multiple power sources may be present. Failure to do so may cause property damage, personal injury, or death.

ACCESSORIES

DOWNFLOW INSULATION KIT

DPI-B	DPI-C	DPI-D
	ASUF49C14	ASUF59D14