



Air Conditioning & Heating

ASPT

MULTI-POSITION AIR HANDLER WITH ENERGY-SAVING MOTOR

1½ TO 5 TONS



Standard Features

- Direct-drive, multi-speed ECM motor
- Internal factory-mounted TXV valve
- 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 reduces potential condensation
- Easily convertible multi-position capability: upflow, downflow or horizontal
- Coil-mounting track for quick repositioning
- Tool-less filter access
- Multiple independent electrical knockouts
- Heavy-gauge bottom plate



* Complete warranty details available from your local dealer or at www.goodmanmfg.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.

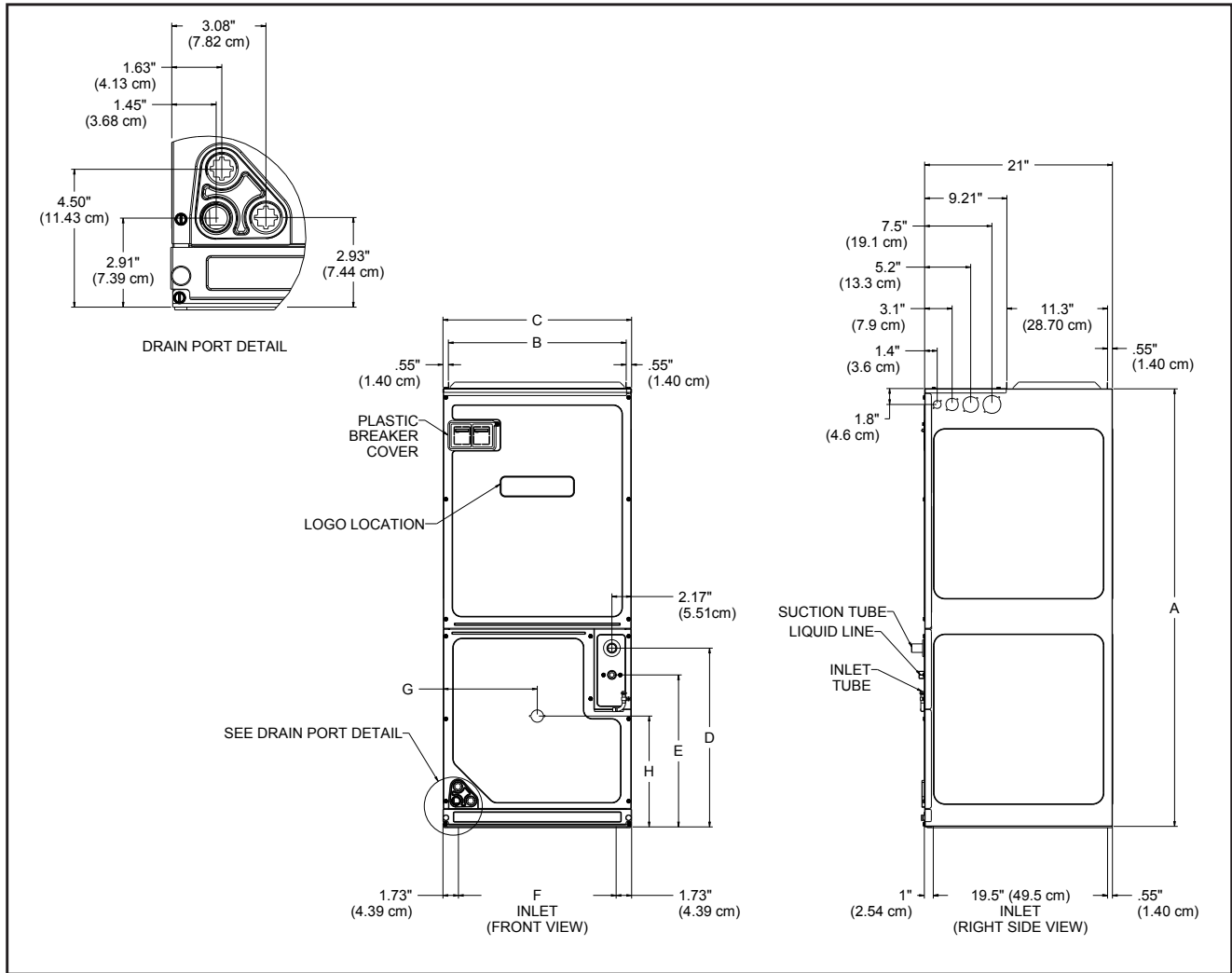
SPECIFICATIONS

	ASPT 24B14*	ASPT 30C14*	ASPT 36C14*	ASPT 42D14*	ASPT 48D14*	ASPT 60D14*
NOMINAL RATINGS						
Cooling (Btu/h)	24,000	30,000	36,000	42,000	48,000	60,000
Airflow Rate CFM *						
T1	520	540	890	1,110	1,400	1,400
T2	600	625	995	1,250	1,490	1,600
T3	660	720	1,090	1,355	1,600	1,745
T4	775	810	1,205	1,440	1,745	1,995
T5	975	1,400	1,425	1,780	2,160	2,160
BLOWER						
Diameter	9½"	10⅝"	10⅝"	10⅝"	11 ¹⁵ / ₁₆ "	11 ¹⁵ / ₁₆ "
Width	6"	8"	8"	10⅝"	10⅝"	10⅝"
Coil Drain Connect FPT	¾"	¾"	¾"	¾"	¾"	¾"
REFRIGERANT LINE CONNECTION SIZE						
Liquid	⅜"	⅜"	⅜"	⅜"	⅜"	⅜"
Suction	¾"	⅞"	⅞"	⅞"	⅞"	⅞"
ELECTRICAL DATA						
Voltage	208 / 230	208 / 230	208 / 230	208 / 230	208 / 230	208 / 230
Min Circuit Ampacity	4/4	4 / 4	4 / 4	6/6	8/8	8/8
Max. Overcurrent Device (amps)	15 / 15	15 / 15	15 / 15	15 / 15	15 / 15	15 / 15
Min. / Max VAC	197 / 253	197 / 253	197 / 253	197 / 253	197 / 253	197 / 253
Blower Motor FLA/ HP	3.8/ 3/4	5.4/ 3/4	5.4/ 3/4	5.7/ 3/4	6.9 / 1	6.9/ 1
SHIP WEIGHT (LBS)						
	100	118	118	167	167	167

*Airflow rate @.3 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"
ASPT24B14*	45	16 $\frac{3}{8}$	17 $\frac{1}{2}$	18	15	14 $\frac{3}{8}$	8 $\frac{3}{4}$	12
ASPT30C14*	49	20	21	20	17	17 $\frac{3}{8}$	10 $\frac{1}{2}$	12 $\frac{3}{8}$
ASPT36C14*	49	20	21	20	17	17 $\frac{3}{8}$	10 $\frac{1}{2}$	12 $\frac{3}{8}$
ASPT42D14*	58	23 $\frac{3}{8}$	24 $\frac{1}{2}$	28 $\frac{3}{4}$	25 $\frac{1}{4}$	21 $\frac{1}{8}$	12 $\frac{1}{4}$	12 $\frac{3}{8}$
ASPT48D14*	58	23 $\frac{3}{8}$	24 $\frac{1}{2}$	28 $\frac{3}{4}$	25 $\frac{1}{4}$	21 $\frac{1}{8}$	12 $\frac{1}{4}$	12 $\frac{3}{8}$
ASPT60D14*	58	23 $\frac{3}{8}$	24 $\frac{1}{2}$	28 $\frac{3}{4}$	25 $\frac{1}{4}$	21 $\frac{1}{8}$	12 $\frac{1}{4}$	12 $\frac{3}{8}$

AIRFLOW DATA

MODEL	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
ASPT24B14	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
ASPT30C14	1	610	580	540	445	390	330	285	240	205	160
	2	705	670	625	570	545	465	425	385	325	270
	3	785	740	720	660	640	580	515	475	440	370
	4	880	845	810	805	740	700	660	595	550	515
	5	1,450	1,440	1,400	1,380	1,350	1,330	1,295	1,275	1,245	1,205
ASPT36C14	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
ASPT42D14	1	1,230	1,180	1,110	1,060	1,000	945	885	810	745	685
	2	1,365	1,310	1,250	1,190	1,140	1,090	1,030	980	920	855
	3	1,460	1,410	1,355	1,305	1,255	1,210	1,155	1,115	1,060	1,010
	4	1,545	1,490	1,440	1,375	1,330	1,295	1,245	1,200	1,150	1,100
	5	1,865	1,825	1,780	1,745	1,695	1,645	1,610	1,570	1,520	1,475
ASPT48D14	1	1,485	1,425	1,400	1,325	1,270	1,220	1,165	1,115	1,080	1,005
	2	1,560	1,510	1,490	1,425	1,385	1,335	1,295	1,250	1,205	1,155
	3	1,675	1,625	1,600	1,530	1,485	1,435	1,390	1,345	1,295	1,245
	4	1,820	1,770	1,745	1,685	1,640	1,595	1,555	1,510	1,470	1,420
	5	2,225	2,180	2,160	2,085	2,060	2,010	1,970	1,930	1,895	1,850
ASPT60D14	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; SCFM correction for wet coil = 4%
- All ASPT models are shipped from the factory with the speed tap set on T4.

HEAT KIT SELECTION

TYPE / MODEL	ASPT 24B14-A*	ASPT 30C14-A*	ASPT 36C14-A*	ASPT 42D14-A*	ASPT 48D14-A*	ASPT 60D14-A*
HKSX03XC*	X	X	X	X	X	X
HKSX05XC*	X	X	X	X	X	X
HKSX06XC*	X	X	X	X	X	X
HKSX08XC*	X	X	X	X	X	X
HKSX10XC*	X	X	X	X	X	X
HKSC05XC*	X	X	X	X	X	X
HKSC08XC*	X	X	X	X	X	X
HKSC10XC*	X	X	X	X	X	X
HKSC15XA*	---	---	X	X	X	X
HKSC15XB*	---	---	X	X	X	X
HKSC19CA*	---	---	X	---	---	---
HKSC19CB*	---	---	X	---	---	---
HKSC20DA*	---	---	---	X	X	X
HKSC20DB*	---	---	---	---	X	X

* Revision level that may or may not be designated.

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

¹ Air handler must either be on medium or high speed

² Air handler must be on high speed

³ For static pressure of 0.6 or higher, air handler must be on medium or high speed

C Circuit breaker option

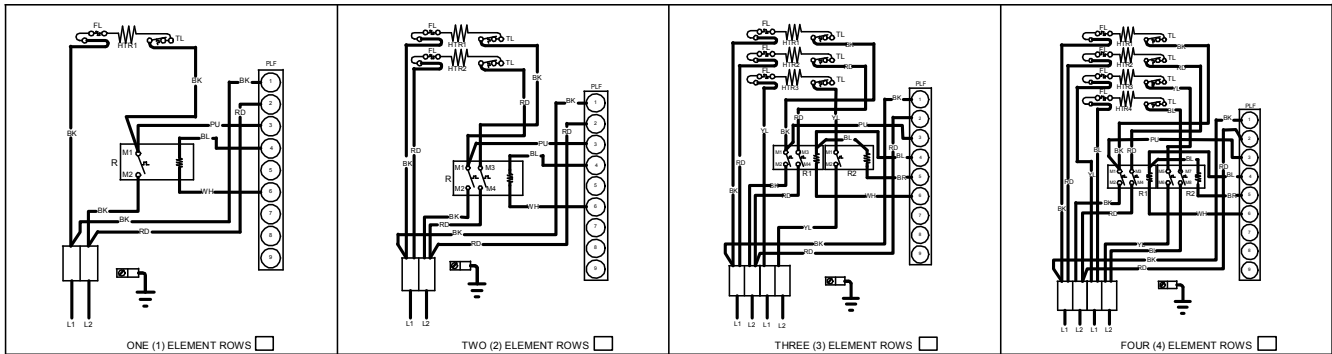
^ Heat kit requires three-phase power supply

SINGLE-POINT KIT **

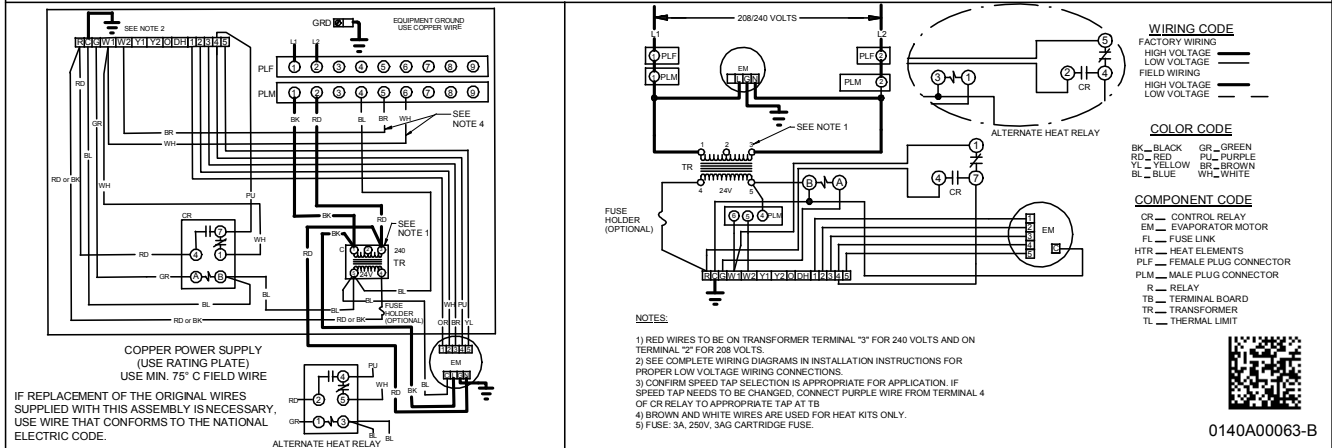
MODEL	HKSC15X*	HKSC19**	HKSC20**
SPW-01	X	X	X

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

WIRING DIAGRAM



NOTE: WHEN INSTALLING HEATER KIT, ENSURE SPEED TAP DOES NOT EXCEED MINIMUM BLOWER SPEED (MBS) SPECIFIED FOR THE AIRHANDLER/HEATER KIT COMBINATION ON THIS UNIT'S S&R PLATE. AFTER INSTALLING OPTIONAL HEAT KIT, MARK A "X" IN THE BOX PROVIDED ABOVE. MARK ACCORDING TO NUMBER OF HEATER ELEMENT ROWS INSTALLED. NO MARK INDICATES NO HEAT KIT INSTALLED.



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

	<p>WARNING</p>	<p>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.</p>	
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ACCESSORIES

DOWNFLOW INSULATION KIT

DFK-B	DFK-C	DFK-D
ASPT24B14**	ASPT30C14**	ASPT42D14**
	ASPT36C14**	ASPT48D14**
		ASPT60D14**

FILTERS

CHASSIS	PART #	SIZE
B	ALFH16201E	16.0" x 20.0"
C	ALFH1912201E	19.5" x 20.0"
D	ALFH20231E	23.0" x 20.0"