



Air Conditioning & Heating



PRODUCT SPECIFICATIONS



ARPF

1½- TO 5-TON MULTI-POSITION, THREE-SPEED AIR HANDLER WITH PAINTED CABINET



The Goodman® ARP Multi-Position, Multi-Speed Air Handler is suitable for use with refrigerants R-410A and R-22. The ARP features a check flowrater expansion device as well as direct-drive, multi-speed motor.

Standard Features

- Suitable for use with refrigerants R-410A and R-22 (see Nomenclature Chart on Page 2).
- Check flowrater expansion device
- Direct-drive, multi-speed motor
- Transformer and blower time-delay on all units
- Copper tube/aluminum fin coil
- Complies with the Factory-sealed Air Handling Credit with or without field-installed filter kits as listed in the 2001 Florida Building Code, Chapter 13, Section 610.2.A.2.1
- ARI Certified; ETL Listed

Cabinet Features

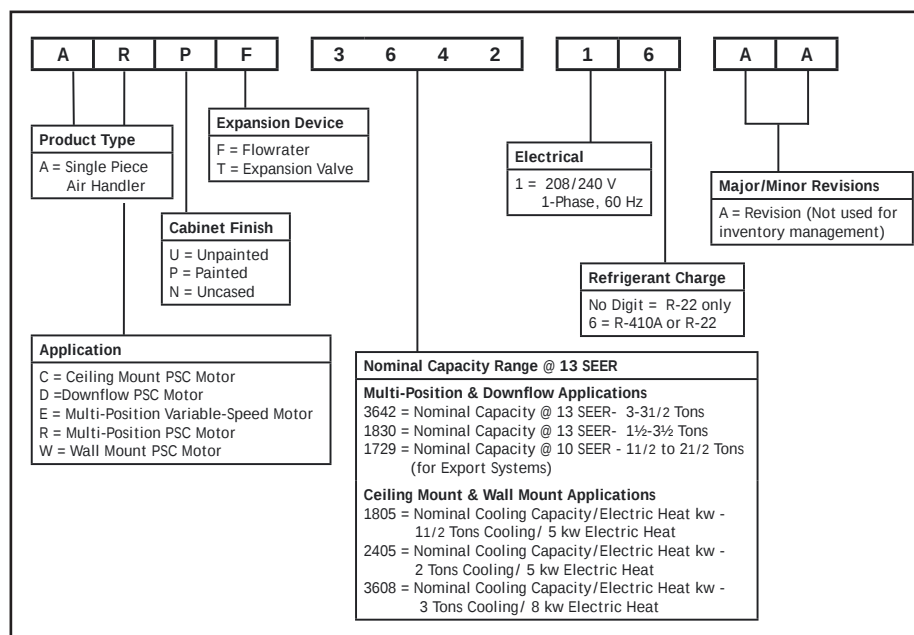
- Fully insulated, painted steel cabinet with attractive Architectural Gray finish
- Built-in coil has horizontal, vertical, and downflow drain pans with secondary drain connections
- Built-in filter rack for 1" filter (filter not included)
- Power supply entry at top; low-voltage entry on top and both sides
- Factory-sealed to achieve 2% or less leakage rate with or without field-installed filter kits at 1.0" water gauge external duct static pressure

Accessories

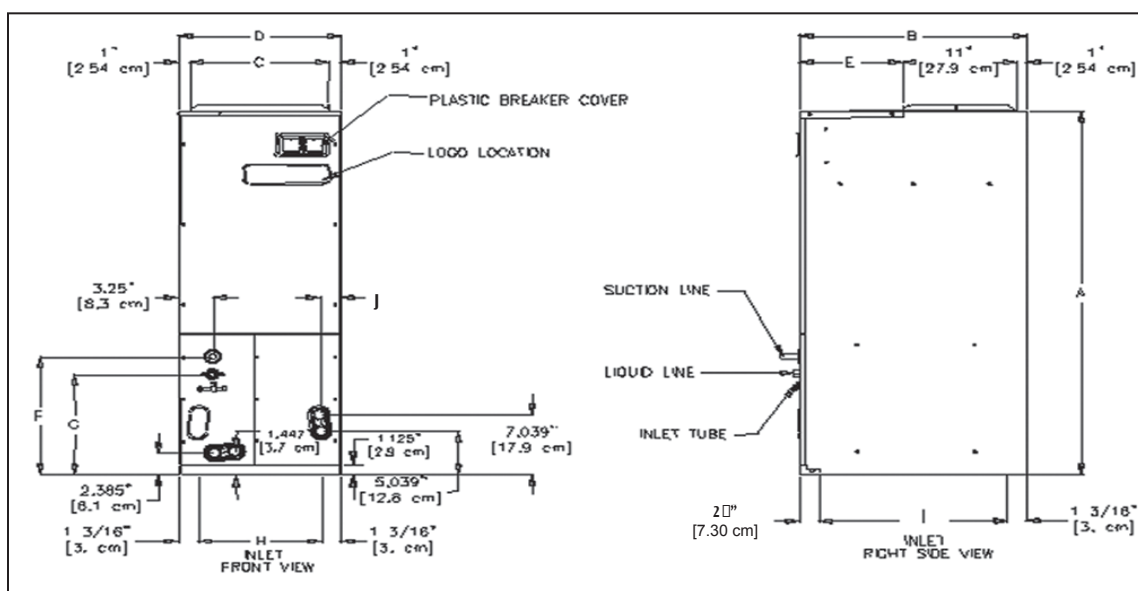
- 3 kW to 21 kW electric heat kits available as field-installed options
- Permanent washable plastic air filters
- Coil Insulation Kits for downflow applications
- Horizontal drain pan insulation kits



NOMENCLATURE



DIMENSIONS



Model	A	B	C	D	E	F	G	H	I	J
ARPF17291*	42 ¹ / ₈ "	22"	13 ¹ / ₂ "	15 ¹ / ₂ "	10"	14 ¹ / ₂ "	11 ¹⁵ / ₁₆ "	13 ³ / ₈ "	17 ¹⁵ / ₁₆ "	2"
ARPF18241*	42 ¹ / ₈ "	22"	13 ¹ / ₂ "	15 ¹ / ₂ "	10"	14 ¹ / ₂ "	11 ¹⁵ / ₁₆ "	13 ³ / ₈ "	17 ¹⁵ / ₁₆ "	2"
ARPF19311*	46 ³ / ₄ "	22"	17 ¹ / ₂ "	19 ¹ / ₂ "	10"	14 ¹ / ₂ "	11 ¹⁵ / ₁₆ "	17 ¹ / ₈ "	17 ¹⁵ / ₁₆ "	2"
ARPF30301*	46 ³ / ₄ "	22"	17 ¹ / ₂ "	19 ¹ / ₂ "	10"	14 ¹ / ₂ "	11 ¹⁵ / ₁₆ "	17 ¹ / ₈ "	17 ¹⁵ / ₁₆ "	2"
ARPF36361*	46 ³ / ₄ "	22"	17 ¹ / ₂ "	19 ¹ / ₂ "	10"	14 ¹ / ₂ "	11 ¹⁵ / ₁₆ "	17 ¹ / ₈ "	17 ¹⁵ / ₁₆ "	1 ⁴ / ₅ "
ARPF36421*	53 ¹ / ₄ "	24"	20"	22"	12"	14 ¹ / ₂ "	11 ¹⁵ / ₁₆ "	19 ⁵ / ₈ "	19 ¹⁵ / ₁₆ "	1 ⁴ / ₅ "
ARPF37431*	53 ¹ / ₄ "	24"	20"	22"	12"	14 ¹ / ₂ "	11 ¹⁵ / ₁₆ "	19 ⁵ / ₈ "	19 ¹⁵ / ₁₆ "	1 ⁴ / ₅ "
ARPF48601*	53 ¹ / ₄ "	24"	20"	22"	12"	14 ¹ / ₂ "	11 ¹⁵ / ₁₆ "	19 ⁵ / ₈ "	19 ¹⁵ / ₁₆ "	1 ⁴ / ₅ "

SPECIFICATIONS

	ARPF 172916	ARPF 182416	ARPF 193116	ARPF 303016	ARPF 363616	ARPF 364216	ARPF 374316	ARPF 486016
Blower								
Diameter	9½"	9½"	9½"	9½"	9½"	10⅝"	11 ¹⁵ / ₁₆ "	10⅝"
Width	6"	6"	6"	8"	6"	8"	10 ¹¹ / ₁₆ "	10⅝"
Coil Drain Connect FPT	¾"	¾"	¾"	¾"	¾"	¾"	¾"	¾"
Service Valve								
Liquid	⅜"	⅜"	⅜"	⅜"	⅜"	⅜"	⅜"	⅜"
Suction	¾"	¾"	⅞"	¾"	¾"	⅞"	⅞"	⅞"
Electrical Data								
Voltage	208/ 240	208/ 240	208/ 240	208/ 240	208/ 240	208/ 240	208/ 240	208/ 240
Min Circuit Ampacity	2.1/ 2.1	2.1/ 2.1	1.9/ 1.9	3.3/ 3.3	3.3/ 3.3	3.7/ 3.7	4.2/ 4.2	5.4/ 5.4
Max. Overcurrent Device (amps)	15/ 15	15/ 15	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	197/ 253	197/ 253
Blower Motor FLA/ HP	1.7/ ⅓	1.7/ ⅓	1.48/ ¼	2.64/ ⅓	2.64/ ⅓	2.95/ ½	3.39/ ½	4.3/ ¾
Ship Weight (lbs)	110	120	155	144	164	173	195	192

BLOWER PERFORMANCE

Model	Motor Speed	CFM delivered against External Static Pressure				
		0.1"	0.2"	0.3"	0.4"	0.5"
ARPF172916	High	1,155	1,090	1,025	950	895
	Med	875	830	790	750	715
	Low	640	610	570	535	490
ARPF182416	High	1,155	1,090	1,025	950	895
	Med	875	830	790	750	715
	Low	640	610	570	535	490
ARPF193116	High	1,135	1,085	1,025	965	915
	Med	860	825	780	750	680
	Low	600	570	545	500	465
ARPF303016	High	1,455	1,385	1,330	1,205	1,090
	Med	1,340	1,290	1,230	1,140	1,050
	Low	1,075	1,030	980	910	840
ARPF363616	High	1,345	1,290	1,230	1,150	1,070
	Med	1,270	1,210	1,140	1,075	980
	Low	1,045	1,005	955	885	805
ARPF364216	High	1,700	1,680	1,645	1,610	1,535
	Med	1,500	1,480	1,440	1,380	1,325
	Low	1,345	1,320	1,275	1,230	1,195
ARPF374316	High	2,065	2,000	1,925	1,860	1,780
	Med	1,685	1,635	1,550	1,470	1,410
	Low	1,490	1,425	1,345	1,280	1,205
ARPF486016	High	2,135	2,080	1,985	1,900	1,805
	Med	1,975	1,935	1,875	1,775	1,675
	Low	1,715	1,670	1,650	1,590	1,530

Note: Assumes dry coil with filter in place; SCFM correction for wet coil = 4%

PRODUCT SPECIFICATIONS

ACCESSORIES

HEAT KITS

	ARPF 172916	ARPF 182416	ARPF 193116	ARPF 303016	ARPF 363616	ARPF 364216	ARPF 374316	ARPF 486016
HKR-03*	X	X	X	X	X	X	X	X
HKR-05*, HKR-05C*	X	X	X	X	X	X	X	X
HKR-06*	X	X	X	X	X	X	X	X
HKR-08*, HKR-08C*	X ¹	X ¹	X ¹	X	X	X	X	X
HKR-10*, HKR-10C*	X ¹	X ¹	X ¹	X ¹	X	X	X	X
HKR-15C*	X ²	X ²	X ²	X ²	X ²	X ³	X ³	X
HKR-20C*				X ²		X ³	X ³	X
HKR-21C*				X ²		X ³	X ³	X
[^] HKR3-15*				X ²	X ²	X ³	X ³	X
[^] HKR3-20*				X ²		X ³	X ³	X

* Revision level that may or may not be designated

C Circuit breaker option

[^] Heat kit requires three-phase power supply

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

EXPANSION VALVE KITS FOR AIR CONDITIONING AND HEAT PUMP APPLICATIONS

Kit Number	Description	Application	Refrigerant	Tonnage: Outdoor Unit
XVB18-36C	20% Bleed Valve	AC Only	R-22	1½ - 3 Ton
XVB42-60C	20% Bleed Valve	AC Only	R-22	3½ - 5 Ton
XV18-36C	Non-bleed Valve	AC Only	R-22	1½ - 3 Ton
XV42-60C	Non-bleed Valve	AC Only	R-22	3½ - 5 Ton
TX2N2	Non-bleed Valve	AC or HP	R-22	1½ - 2 Ton
TX3N2	Non-bleed Valve	AC or HP	R-22	2½ - 3 Ton
TX5N2	Non-bleed Valve	AC or HP	R-22	3½ - 5 Ton
TX2N4	Non-bleed Valve	AC or HP	R-410A	1½ - 2 Ton
TX3N4	Non-bleed Valve	AC or HP	R-410A	2½ - 3 Ton
TX5N4	Non-bleed Valve	AC or HP	R-410A	3½ - 5 Ton

DRAIN PAN INSULATION KITS

DOWNFLOW APPLICATIONS

Chassis Size	Insulation Kit
Small (15½")	DPI18-30/20
Medium (19½")	DPI36-42/20
Large (22")	DPI48-60/20

HORIZONTAL APPLICATIONS

Chassis Size	Insulation Kit
Small (15½")	DPIH18-32
Medium (19½")	DPIH36-42
Large (22")	DPIH48-61

Note: Each kit contains enough material to modify 20 coils

FILTERS

	Filter #	Qty Required
1729/ 1824	FIL 18-32	1
1931	FIL-36-42	1
3030/ 3636	FIL-36-42	1
3642	FIL 48-61	1
3743	FIL 48-61	1
4860	FIL 48-61	1



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