

# Furnaces



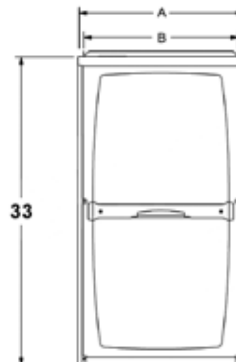
20 year warranty on heat exchangers  
 Limited lifetime (with registration)  
 5 year warranty on parts – Additional 5 years (with registration)

## A97MV FURNACE–MODULATING, COMMUNICATING VARIABLE SPEED–UP/HORIZ

Model	Catalog Number	Heating Capacity		AFUE %	Nom Cooling Capacity (At full capacity)	CFM Range	Approx Ship Weight	Product Number
		Input	Output					
A97USMV070B12S	88W29	66,000	64,000	97	3 Tons	See Product Spec Page	138	.230559
A97USMV090C16S	88W31	88,000	85,000	97	4 Tons		165	.153840
A97USMV110C20S	88W33	110,000	106,000	97	5 Tons		175	.230561
A97USMV135D20S	88W34	132,000	127,000	97	5 Tons		190	.230564

## A97MV FURNACE–MODULATING, COMMUNICATING VARIABLE SPEED–DOWNFLOW

Model	Catalog Number	Heating Capacity		AFUE %	Nom Cooling Capacity (At full capacity)	CFM Range	Approx Ship Weight	Product Number
		Input	Output					
A97DSMV070B12S	88W35	66,000	64,000	97	3 Tons	See Product Spec Page	140	.153842
A97DSMV090C16S	88W36	88,000	85,000	97	4 Tons		165	.230567



### Unit Dimensions (in.)

Model	A	B
A97 -- MV --- B	17-1/2	16-3/8
A97 -- MV --- C	21	19-7/8
A97 -- MV --- D	24-1/2	23-3/8

### Accessories

Kit Number	Description	Used With	Prod. No.
68W77	LP Conversion Kit	All A97MV Modulating Furnaces	.158680
89W52	Night Service Kit	All A97MV Modulating Furnaces	.238530
CVENT-2	2" Concentric Vent Kit		.215660
CVENT-3	3" Concentric Vent Kit		.215661
51W10	Horiz Suspension Kit	All A97MV Modulating Furnaces	.225905
51W11	Flush Mount Termination	All 2" & 3" Vents	.158685
68W62	17.5" Return Air Base	B Width Furnaces – Upflow/Horizontal	.158687
68W63	21.0" Return Air Base	C Width Furnaces – Upflow/Horizontal	.158688
68W64	24.5" Return Air Base	D Width Furnaces – Upflow/Horizontal	.158689
1.841197	Comfort Sync Thermostat	All A97MV Modulating Furnaces	.238007
X2658	Comfort Sync Outdoor Sensor	All A97MV Modulating Furnaces	.238008

# Furnaces



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## A95-2V-GAS FURNACE-2-STAGE VARIABLE SPEED-UPFLOW/HORIZONTAL

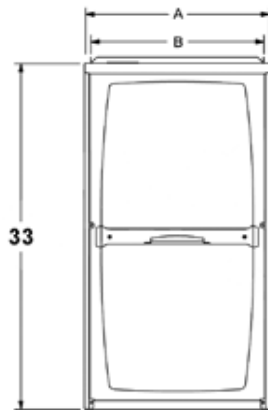
Model	Catalog Number	1st Stage		2nd Stage		AFUE %	Nom Cooling Capacity	Approx Ship Weight	Product Number
		Input	Output	Input	Output				
A95UH2V070B12S	66W98	43,000	41,000	66,000	62,000	95	3	138	.190491
A95UH2V090C16S	67W00	57,000	55,000	88,000	85,000	95	4	165	.190492
A95UH2V110C20S	67W03	72,000	70,000	110,000	106,000	95	5	174	.190493
A95UH2V135D20S	67W04	88,000	84,000	135,000	126,000	95	5	188	.190494

## A95-2V-GAS FURNACE-2-STAGE VARIABLE SPEED-DOWNFLOW

Model	Catalog Number	1st Stage		2nd Stage		AFUE %	Nom Cooling Capacity	Approx Ship Weight	Product Number
		Input	Output	Input	Output				
A95DF2V070B16S	67W06	43,000	42,000	66,000	64,000	95	4	138	.190495
A95DF2V090C20S	67W07	57,000	56,000	88,000	85,000	95	5	166	.190496

### Unit Dimensions (in.)

Model	A	B
A95 -- 2V --- B	17-1/2	16-3/8
A95 -- 2V --- C	21	19-7/8
A95 -- 2V --- D	24-1/2	23-3/8



### Accessories

Kit Number	Description	Used With	Prod. No.
78W94	LP Conversion Kit	All A95 2-Stage Furnaces	.196818
CVENT-2	2" Concentric Vent Kit		.215660
CVENT-3	3" Concentric Vent Kit		.215661
51W11	Flush Mount Termination	All 2" & 3" Vents	.158685
68W62	17.5" Return Air Base	B Width Furnaces – Upflow/Horizontal	.158687
68W63	21.0" Return Air Base	C Width Furnaces – Upflow/Horizontal	.158688
68W64	24.5" Return Air Base	D Width Furnaces – Upflow/Horizontal	.158689
51W10	Horz. Suspension Kit	All Furnaces	.225905

# Furnaces



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## A951S-GAS FURNACE-UPFLOW/HORIZONTAL

Model	Catalog Number	Heating Capacity		AFUE %	Nom Cooling Capacity	CFM Range @ .50"	Approx Ship Weight	Product Number
		Input	Output					
A95UH1D045B12S	66W78	44,000	42,000	95	2.0 - 3.0	940 - 1355	123	.153851
A95UH1D070B12S	66W80	66,000	64,000	95	2.0 - 3.0	840 - 1345	128	.153852
A95UH1D090C16S	66W82	88,000	85,000	95	3.0 - 4.0	1285 - 1830	148	.153853
A95UH1D110C20S	66W84	110,000	106,000	95	4.0 - 5.0	1640 - 2000	163	.153854

## A951S-GAS FURNACE-DOWNFLOW

Model	Catalog Number	Heating Capacity		AFUE %	Nom Cooling Capacity	CFM Range @ .50"	Approx Ship Weight	Product Number
		Input	Output					
A95DF1D070B12S	66W87	66,000	64,000	95	2.0 - 3.0	870 - 1270	131	.153856
A95DF1D090C20S	66W88	88,000	85,000	95	4.0 - 5.0	1500 - 1970	150	.153857

### Unit Dimensions (in.)

Model	A	B
A95 -- 1D --- B	17-1/2	16-3/8
A95 -- 1D --- C	21	19-7/8



### Accessories

Kit Number	Description	Used With	Prod. No.
68W75	LP Conversion Kit	All A95 Single Stage Furnaces	.158681
68W80	Night Service Kit	All A95 Single Stage Furnaces	.158691
CVENT-2	2" Concentric Vent Kit		.215660
CVENT-3	3" Concentric Vent Kit		.215661
51W11	Flush Mount Termination	All 2" & 3" Vents	.158685
68W62	17.5" Return Air Base	B Width Furnaces – Upflow/Horizontal	.158687
68W63	21.0" Return Air Base	C Width Furnaces – Upflow/Horizontal	.158688
68W64	24.5" Return Air Base	D Width Furnaces – Upflow/Horizontal	.158689
51W10	Horz. Suspension Kit	All Furnaces	.225905

# Furnaces



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## A951A-GAS FURNACE-UPFLOW/HORIZONTAL

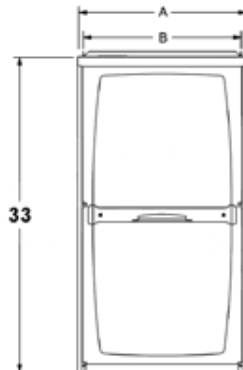
Model	Catalog Number	Heating Capacity		AFUE %	Nom Cooling Capacity	CFM Range @ .50"	Approx Ship Weight	Product Number
		Input	Output					
A95UH1D045B12A	66W65	44,000	42,000	95	2.0 - 3.0	940 - 1355	123	.158531
A95UH1D070B12A	66W67	66,000	64,000	95	2.0 - 3.0	840 - 1345	128	.158532
A95UH1D090C16A	66W69	88,000	85,000	95	3.0 - 4.0	1285 - 1830	148	.158533
A95UH1D110C20A	66W71	110,000	106,000	95	4.0 - 5.0	1640 - 2000	163	.158534
A95UH1D135C20A	66W72	132,000	126,000	95	4.0 - 5.0	1510 - 2030	180	.158535

## A951A-GAS FURNACE-DOWNFLOW

Model	Catalog Number	Heating Capacity		AFUE %	Nom Cooling Capacity	CFM Range @ .50"	Approx Ship Weight	Product Number
		Input	Output					
A95DF1D070B12A	66W74	66,000	64,000	95	2.0 - 3.0	870 - 1270	131	.158536
A95DF1D090C20A	66W75	88,000	85,000	95	4.0 - 5.0	1500 - 1970	150	.158537
A95DF1D110C20A	66W76	110,000	106,000	95	4.0 - 5.0	1590 - 2040	165	.170242

### Unit Dimensions (in.)

Model	A	B
A95 -- 1D --- B	17-1/2	16-3/8
A95 -- 1D --- C	21	19-7/8
A95 -- 1D --- D	24-1/2	23-3/8



### Accessories

Kit Number	Description	Used With	Prod. No.
68W75	LP Conversion Kit	All A95 Single Stage Furnaces	.158681
68W80	Night Service Kit	All A95 Single Stage Furnaces	.158691
CVENT-2	2" Concentric Vent Kit		.215660
CVENT-3	3" Concentric Vent Kit		.215661
51W11	Flush Mount Termination	All 2" & 3" Vents	.158685
68W62	17.5" Return Air Base	B Width Furnaces – Upflow/Horizontal	.158687
68W63	21.0" Return Air Base	C Width Furnaces – Upflow/Horizontal	.158688
68W64	24.5" Return Air Base	D Width Furnaces – Upflow/Horizontal	.158689
51W10	Horz. Suspension Kit	All Furnaces	.225905

# Furnaces



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 Limited lifetime (with registration)  
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## A931A-GAS FURNACE-UPFLOW/HORIZONTAL

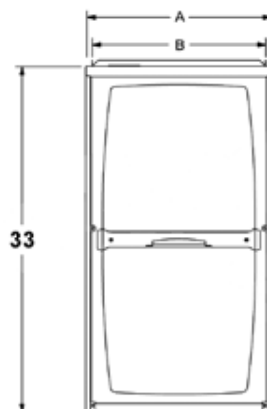
Model	Catalog Number	Heating Capacity		AFUE %	Nom Cooling Capacity	CFM Range @ .50"	Approx Ship Weight	Product Number
		Input	Output					
A93UH1D045B12A	66W52	44,000	42,000	93	2.5 - 3.0	940 - 1355	122	.153858
A93UH1D070B12A	66W54	66,000	61,000	93	2.5 - 3.0	945 - 1340	127	.153859
A93UH1D090C16A	66W56	88,000	83,000	93	3.0 - 4.0	1140 - 1700	146	.153860
A93UH1D110C20A	66W58	110,000	104,000	93	4.0 - 5.0	1545 - 2115	161	.153861

## A931A-GAS FURNACE-DOWNFLOW

Model	Catalog Number	Heating Capacity		AFUE %	Nom Cooling Capacity	CFM Range @ .50"	Approx Ship Weight	Product Number
		Input	Output					
A93DF1D070B12A	66W61	66,000	62,000	93	2.5 - 3.0	835 - 1270	129	.153862
A93DF1D090C16A	66W62	88,000	84,000	93	3.0 - 4.0	1240 - 1630	147	.153863

### Unit Dimensions (in.)

Model	A	B
A93 -- 1D --- B	17-1/2	16-3/8
A93 -- 1D --- C	21	19-7/8



### Accessories

Kit Number	Description	Used With	Prod. No.
68W75	LP Conversion Kit	All A93 Single Stage Furnaces	.158681
68W80	Night Service Kit	All A93 Single Stage Furnaces	.158691
CVENT-2	2" Concentric Vent Kit		.215660
CVENT-3	3" Concentric Vent Kit		.215661
51W11	Flush Mount Termination	All 2" & 3" Vents	.158685
68W62	17.5" Return Air Base	B Width Furnaces – Upflow/Horizontal	.158687
68W63	21.0" Return Air Base	C Width Furnaces – Upflow/Horizontal	.158688
68W64	24.5" Return Air Base	D Width Furnaces – Upflow/Horizontal	.158689
51W10	Horz. Suspension Kit	All Furnaces	.225905

# Air Conditioners



5 year limited warranty on compressor – Additional 5 years (with registration)  
 5 year limited warranty on parts – Additional 5 years (with registration)  
 With Armstrong ARI matched systems only

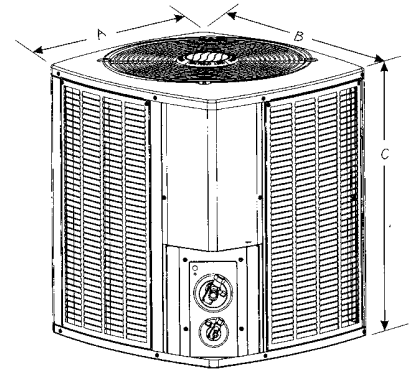
## 4SCU16LS – SPLIT SYSTEM – 2 STAGE, COMMUNICATING AIR CONDITIONING

Model	Volts/Hz/Phase	Max. Over-current Device (amps)	Refrigerant Lines		Refrig. Charge (oz.)	Weight (lbs.)	Product Number
			Liquid O.D. (in.)	Suction O.D. (in.)			
4SCU16LS124P	230/60/1	20	3/8	3/4	117	200	.237989
4SCU16LS136P	230/60/1	35	3/8	7/8	137	230	.237991
4SCU16LS148P	230/60/1	45	3/8	7/8	180	262	.237992
4SCU16LS160P	230/60/1	55	3/8	1-1/8	214	310	.237993



### Dimensions (in.)

Model	A	B	C
4SCU16LS124P	24-3/4	26-3/4	29-3/4
4SCU16LS136P	29-3/8	31-1/4	29-3/4
4SCU16LS148P	29-3/8	31-1/4	37-3/4
4SCU16LS160P	29-3/8	31-1/4	43-3/4



### Duragrid Pad Size

Size	Product Number
30 x 30	.122269
30 x 36	.120807
33 x 33	.106989

### Line Sets

Size	Product Number	Size	Product Number
3/8 x 3/4 – 25'	.9307	3/8 x 7/8 – 30'	.113898
3/8 x 3/4 – 30'	.114334	3/8 x 7/8 – 35'	.12185
3/8 x 3/4 – 35'	.9761	3/8 x 7/8 – 50'	.107568
3/8 x 3/4 – 50'	.107366	3/8 x 1-1/8 – 25'	.67771
3/8 x 7/8 – 25'	.10256	3/8 x 1-1/8 – 50'	.107848

### Accessories

Kit Number	Description	Used With	Product Number
A4TXV01	TXV Kit	4SCU16LS124, 36	.35332
A4TXV02	TXV Kit	4SCU16LS148, 60	.35903
1.841197	Comfort Sync Thermostat	All 4SCU16LS's	.238007
X2658	Comfort Sync Outdoor Sensor	All 4SCU16LS's	.238008

# Air Conditioners



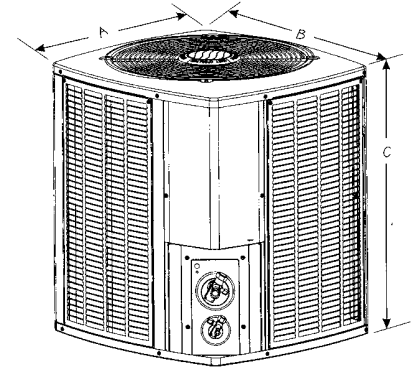
5 year limited warranty on compressor – Additional 5 years (with registration)  
 5 year limited warranty on parts – Additional 5 years (with registration)  
 With Armstrong ARI matched systems only

## 4SCU14LE – SPLIT SYSTEM – ENHANCED AIR CONDITIONING R-410A

Model	Volts/Hz/ Phase	Max. Over- current Device (amps)	Refrigerant Lines		Refrig. Charge (oz.)	Weight (lbs.)	Product Number
			Liquid O.D. (in.)	Suction O.D. (in.)			
4SCU14LE118P	208-230/60/1	20	3/8	3/4	91	140	.101
4SCU14LE124P	208-230/60/1	30	3/8	3/4	92	137	.1602
4SCU14LE130P	208-230/60/1	30	3/8	3/4	107	149	.2530
4SCU14LE136P	208-230/60/1	30	3/8	7/8	107	157	.3630
4SCU14LE142P	208-230/60/1	40	3/8	7/8	138	201	.3760
4SCU14LE148P	208-230/60/1	45	3/8	7/8	174	204	.4658
4SCU14LE160P	208-230/60/1	60	3/8	1-1/8	192	231	.5309

### Dimensions (in.)

Model	A	B	C
4SCU14LE118P	24-3/4	26-3/4	29-3/4
4SCU14LE124P	29-3/8	31-1/4	29-3/4
4SCU14LE130P	29-3/8	31-1/4	37-3/4
4SCU14LE136P	29-3/8	31-1/4	37-3/4
4SCU14LE142P	29-3/8	31-1/4	29-3/4
4SCU14LE148P	29-3/8	31-1/4	33-3/4
4SCU14LE160P	35-3/4	37-3/4	37-3/4



### Duragrid Pad Size

Size	Product Number
30 x 30	.122269
30 x 36	.120807
33 x 33	.106989
36 x 42	.121433

### Line Sets

Size	Product Number	Size	Product Number
3/8 x 3/4 – 25'	.9307	3/8 x 7/8 – 30'	.113898
3/8 x 3/4 – 30'	.114334	3/8 x 7/8 – 35'	.12185
3/8 x 3/4 – 35'	.9761	3/8 x 7/8 – 50'	.107568
3/8 x 3/4 – 50'	.107366	3/8 x 1-1/8 – 25'	.67771
3/8 x 7/8 – 25'	.10256	3/8 x 1-1/8 – 50'	.107848

### Accessories

Kit Number	Description	Used With	Product Number
34M72	Low Ambient Kit	All 4SCU14LE's	.17939
A4TXV01	TXV Kit	4SCU14LE118, 24, 30	.35332
A4TXV02	TXV Kit	4SCU14LE136, 42	.35903
H4TXV03	TXV Kit	4SCU14LE148, 60	.33003

# Air Conditioners



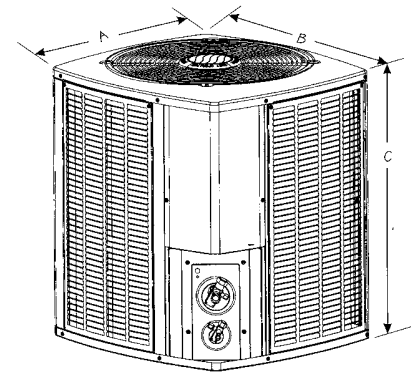
5 year limited warranty on compressor – Additional 5 years (with registration)  
 5 year limited warranty on parts – Additional 5 years (with registration)  
 With Armstrong ARI matched systems only

## 4SCU13LE – SPLIT SYSTEM – ENHANCED AIR CONDITIONING R-410A

Model	Volts/Hz/Phase	Max. Over-current Device (amps)	Refrigerant Lines		Refrig. Charge (oz.)	Weight (lbs.)	Product Number
			Liquid O.D. (in.)	Suction O.D. (in.)			
4SCU13LE118P	230/60/1	15	3/8	5/8	62	157	.119719
4SCU13LE124P	230/60/1	20	3/8	5/8	70	157	.123024
4SCU13LE130P	230/60/1	25	3/8	3/4	82	179	.123321
4SCU13LE136P	230/60/1	35	3/8	3/4	84	188	.127350
4SCU13LE142P	230/60/1	45	3/8	3/4	104	205	.127942
4SCU13LE148P	230/60/1	50	3/8	7/8	124	198	.128517
4SCU13LE160P	230/60/1	50	3/8	7/8	144	211	.128810

### Dimensions (in.)

Model	A	B	C
4SCU13LE118P	24-3/4	26-3/4	25-3/4
4SCU13LE124P	24-3/4	26-3/4	25-3/4
4SCU13LE130P	24-3/4	26-3/4	29-3/4
4SCU13LE136P	24-3/4	26-3/4	29-3/4
4SCU13LE142P	29-3/8	31-1/4	29-3/4
4SCU13LE148P	29-3/8	31-1/4	33-3/4
4SCU13LE160P	29-3/8	31-1/4	29-3/4



### Duragrid Pad Size

Size	Product Number
30 x 30	.122269
30 x 36	.120807
33 x 33	.106989

### Line Sets

Size	Product Number	Size	Product Number
3/8 x 5/8 – 50'	.227175	3/8 x 7/8 – 25'	.10256
3/8 x 3/4 – 25'	.9307	3/8 x 7/8 – 30'	.113898
3/8 x 3/4 – 30'	.114334	3/8 x 7/8 – 35'	.12185
3/8 x 3/4 – 35'	.9761	3/8 x 7/8 – 50'	.107568
3/8 x 3/4 – 50'	.107366		

### Accessories

Kit Number	Description	Used With	Product Number
34M72	Low Ambient Kit	All 4SCU13LE's	.17939
A4TXV01	TXV Kit	4SCU13LE118, 24, 30	.35332
A4TXV02	TXV Kit	4SCU13LE136, 42	.35903
H4TXV03	TXV Kit	4SCU13LE148, 60	.33003

# Air Conditioners



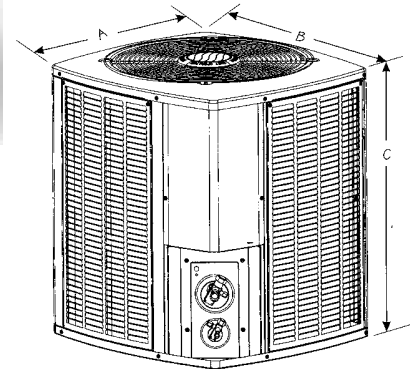
5 year limited warranty on compressor  
1 year limited warranty on parts

## 4SCU13LC – SPLIT SYSTEM – 3 PHASED AIR CONDITIONING R-410A

Model	Volts/Phase/ Hz	Max. Over- current Device (amps)	Fan Motor		Refrig. Charge (oz.)	Weight (lbs.)	Product Number
			Rated HP	Nom. RPM			
4SCU13LC136T	208-230/3/60	20	1/5	1075	89	202	.104833
4SCU13LC148T	208-230/3/60	30	1/4	825	122	220	.104994
4SCU13LC160T	208-230/3/60	35	1/4	825	160	282	.105203

### Dimensions (in.)

Model	A	B	C	Sound Ratings dBA
4SCU13LC136T	24-3/4	26-3/4	29-3/4	76
4SCU13LC148T	29-3/8	31-1/4	37-3/4	78
4SCU13LC160T	29-3/8	31-1/4	33-3/4	78



### Duragrid Pad Size

Size	Product Number
30 x 30	.122269
30 x 36	.120807
33 x 33	.106989

### Line Sets

Size	Product Number	Size	Product Number
3/8 x 7/8 – 25'	.10256	3/8 x 7/8 – 50'	.107568
3/8 x 7/8 – 30'	.113898	3/8 x 1-1/8 – 25'	.67771
3/8 x 7/8 – 35'	.12185	3/8 x 1-1/8 – 50'	.107848

### Accessories

Kit Number	Description	Used With	Product Number
34M72	Low Ambient Kit	All 4SCU13LC's	.17939
A4TXV02	TXV Kit	4SCU13LC136, 48, 60	.35903
H4TXV03	TXV Kit	4SCU13LC160	.33003

# Heat Pumps



5 year limited warranty on compressor – Additional 5 years (with registration)  
 5 year limited warranty on parts – Additional 5 years (with registration)  
 With Armstrong ARI matched systems only

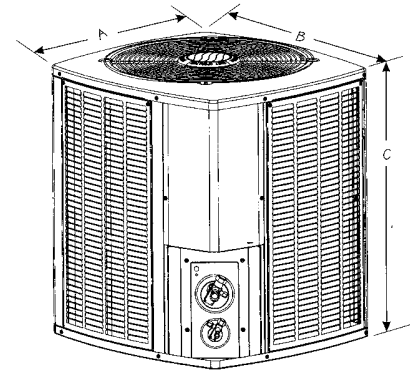
## 4SHP16LS – SPLIT SYSTEM – 2 STAGE, COMMUNICATING HEAT PUMP

Model	Volts/Hz/Phase	Max. Over-current Device (amps)	Refrigerant Lines		Refrig. Charge (oz.)	Weight (lbs.)	Product Number
			Liquid O.D. (in.)	Vapor O.D. (in.)			
4SHP16LS124P	208-230/60/1	20	3/8	3/4	146	207	.237994
4SHP16LS136P	208-230/60/1	35	3/8	7/8	192	253	.237996
4SHP16LS148P	208-230/60/1	45	3/8	7/8	236	288	.237997
4SHP16LS160P	208-230/60/1	60	3/8	1-1/8	244	313	.237999



### Dimensions (in.)

Model	A	B	C
4SHP16S124	24-3/4	26-3/4	29-3/4
4SHP16S136	29-3/8	31-1/4	33-3/4
4SHP16S148	29-3/8	31-1/4	43-3/4
4SHP16S160	35-3/4	37-3/4	43-3/4



### Duragrid Pad Size

Size	Product Number
30 x 30	.122269
30 x 36	.120807
33 x 33	.106989
36 x 42	.121433

### Line Sets

Size	Product Number	Size	Product Number
3/8 x 3/4 – 25'	.9307	3/8 x 7/8 – 30'	.113898
3/8 x 3/4 – 30'	.114334	3/8 x 7/8 – 35'	.12185
3/8 x 3/4 – 35'	.9761	3/8 x 7/8 – 50'	.107568
3/8 x 3/4 – 50'	.107366	3/8 x 1-1/8 – 25'	.67771
3/8 x 7/8 – 25'	.10256	3/8 x 1-1/8 – 50'	.107848

### Accessories

Kit Number	Description	Used With	Product Number
H4TXV01	TXV Kit	4SHP16LS124	.39274
H4TXV02	TXV Kit	4SHP16LS136	.39599
H4TXV03	TXV Kit	4SHP16LS148, 60	.33003
1.841197	Comfort Sync Thermostat	All 4SHP16LS's	.238007
X2658	Comfort Sync Outdoor Sensor	All 4SHP16LS's	.238008

# Heat Pumps



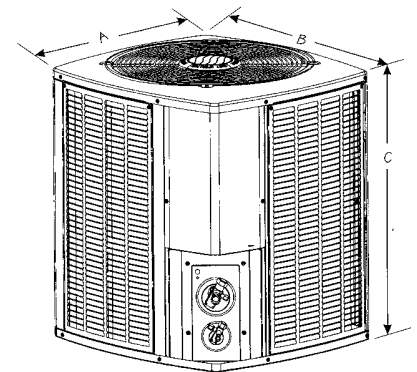
5 year limited warranty on compressor – Additional 5 years (with registration)  
 5 year limited warranty on parts – Additional 5 years (with registration)  
 With Armstrong ARI matched systems only

## 4SHP14LE – SPLIT SYSTEM – ENHANCED HEAT PUMP – R-410A

Model	Volts/Hz/Phase	Max. Over-current Device (amps)	Refrigerant Lines		Refrig. Charge (oz.)	Weight (lbs.)	Product Number
			Liquid O.D. (in.)	Vapor O.D. (in.)			
4SHP14LE118P	208-230/1/60	20	3/8	3/4	87	178	Special Order
4SHP14LE124P	208-230/1/60	30	3/8	3/4	108	195	.7751
4SHP14LE130P	208-230/1/60	25	3/8	3/4	110	197	.9016
4SHP14LE136P	208-230/1/60	30	3/8	7/8	159	222	.9238
4SHP14LE142P	208-230/1/60	40	3/8	7/8	184	304	.9702
4SHP14LE148P	208-230/1/60	50	3/8	7/8	232	308	.10222
4SHP14LE160P	208-230/1/60	50	3/8	1-1/8	228	335	.10916

### Dimensions (in.)

Model	A	B	C
4SHP14LE118P	29-3/8	31-1/4	29-3/4
4SHP14LE124P	29-3/8	31-1/4	37-3/4
4SHP14LE130P	29-3/8	31-1/4	37-3/4
4SHP14LE136P	29-3/8	31-1/4	33-3/4
4SHP14LE142P	35-3/4	37-3/4	37-3/4
4SHP14LE148P	35-3/4	37-3/4	37-3/4
4SHP14LE160P	35-3/4	37-3/4	43-3/4



### Duragrid Pad Size

Size	Product Number
30 x 30	.122269
30 x 36	.120807
36 x 42	.121433

### Line Sets

Size	Product Number	Size	Product Number
3/8 x 3/4 – 25'	.9307	3/8 x 7/8 – 30'	.113898
3/8 x 3/4 – 30'	.114334	3/8 x 7/8 – 35'	.12185
3/8 x 3/4 – 35'	.9761	3/8 x 7/8 – 50'	.107568
3/8 x 3/4 – 50'	.107366	3/8 x 1-1/8 – 25'	.67771
3/8 x 7/8 – 25'	.10256	3/8 x 1-1/8 – 50'	.107848

### Accessories

Kit Number	Description	Used With	Product Number
H4TXV01	TXV Kit	4SHP14LE118, 24, 30	.39274
H4TXV02	TXV Kit	4SHP14LE136, 42	.39599
H4TXV03	TXV Kit	4SHP14LE148, 60	.33003

# Heat Pumps



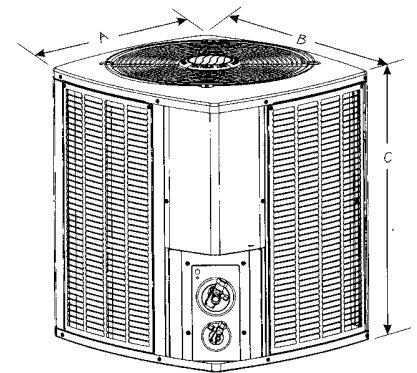
5 year limited warranty on compressor – Additional 5 years (with registration)  
 5 year limited warranty on parts – Additional 5 years (with registration)  
 With Armstrong ARI matched systems only

## 4SHP13LE – SPLIT SYSTEM – ENHANCED HEAT PUMP – R-410A

Model	Volts/Hz/Phase	Max. Over-current Device (amps)	Refrigerant Lines		Refrig. Charge (oz.)	Weight (lbs.)	Product Number
			Liquid O.D. (in.)	Vapor O.D. (in.)			
4SHP13LE118P	208-230/60/1	20	3/8	3/4	106	154	Special Order
4SHP13LE124P	208-230/60/1	20	3/8	3/4	101	152	.13818
4SHP13LE130P	208-230/60/1	25	3/8	3/4	108	171	.14345
4SHP13LE136P	208-230/60/1	35	3/8	3/4	114	192	.14586
4SHP13LE142P	208-230/60/1	45	3/8	7/8	134	236	.14955
4SHP13LE148P	208-230/60/1	50	3/8	7/8	198	230	.15587
4SHP13LE160P	208-230/60/1	60	3/8	1-1/8	210	262	.16856

### Dimensions (in.)

Model	A	B	C
4SHP13LE118P	24-3/4	26-3/4	33-3/4
4SHP13LE124P	24-3/4	26-3/4	33-3/4
4SHP13LE130P	29-3/8	31-1/4	29-3/4
4SHP13LE136P	29-3/8	31-1/4	37-3/4
4SHP13LE142P	29-3/8	31-1/4	43-3/4
4SHP13LE148P	29-3/8	31-1/4	33-3/4
4SHP13LE160P	29-3/8	31-1/4	33-3/4



### Duragrid Pad Size

Size	Product Number
30 x 30	.122269
30 x 36	.120807
33 x 33	.106989

### Line Sets

Size	Product Number	Size	Product Number
3/8 x 3/4 – 25'	.9307	3/8 x 7/8 – 30'	.113898
3/8 x 3/4 – 30'	.114334	3/8 x 7/8 – 35'	.12185
3/8 x 3/4 – 35'	.9761	3/8 x 7/8 – 50'	.107568
3/8 x 3/4 – 50'	.107366	3/8 x 1-1/8 – 25'	.67771
3/8 x 7/8 – 25'	.10256	3/8 x 1-1/8 – 50'	.107848

### Accessories

Kit Number	Description	Used With	Product Number
34M72	Low Ambient Kit	All 4SHP13's	.17939
H4TXV01	TXV Kit	4SHP13LE118, 24, 30	.39274
H4TXV02	TXV Kit	4SHP13LE136, 42	.39599
H4TXV03	TXV Kit	4SHP13LE148, 60	.33003



5 year limited warranty – Additional 5 years (with registration)  
With Armstrong ARI matched systems only

### EC1P – EVAPORATOR COIL – CASED – UPFLOW/COUNTERFLOW

Model	Orifice	Refrigerant Connection		Weight (lbs.)	Dimensions (in.)			Product Number
		Liquid	Vapor		Width	Height	Depth	
EC1P23AG	.057	3/8	3/4	39	14-1/2	18-1/2	21	.23642
EC1P23BG	.057	3/8	3/4	41	17-1/2	18-1/2	21	.23849
EC1P24AG	.057	3/8	3/4	37	14-1/2	20-1/2	21	.114980
EC1P30AG	.065	3/8	3/4	45	14-1/2	24-1/2	21	.116061
EC1P30BG	.065	3/8	3/4	46	17-1/2	24-1/2	21	.118150
EC1P36AG	.073	3/8	3/4	49	14-1/2	24-1/2	21	.116810
EC1P36BG	.073	3/8	3/4	51	17-1/2	24-1/2	21	.116981
EC1P36CG	.073	3/8	3/4	55	21	24-1/2	21	.117167
EC1P43BG	.076	3/8	7/8	60	17-1/2	29-1/2	21	.119496
EC1P43CG	.076	3/8	7/8	63	21	29-1/2	21	.119469
EC1P49CG	.093	3/8	7/8	72	21	29-1/2	22	.117407
EC1P50CG	.082	3/8	7/8	66	21	27-1/2	21	.24717
EC1P60DG	.093	3/8	7/8	66	24-1/2	25-1/2	21	.117635
EC1P62CG	.093	3/8	7/8	76	21	31-1/2	22	.67754
EC1P62DG	.093	3/8	7/8	77	24-1/2	29-1/2	21	.68002



EC1P

### EM1P – EVAPORATOR COIL – CASED – UPFLOW/HORIZONTAL

Model	Orifice	Refrigerant Connections		Weight (lbs.)	Dimensions (in.)			Product Number
		Liquid	Vapor		Width	Height	Depth	
EM1P23BG	.057	3/8	3/4	40	17-1/2	25-1/2	21	.82071
EM1P36BG	.073	3/8	3/4	57	17-1/2	25-1/2	21	.84028
EM1P43CG	.076	3/8	7/8	45	21	27-1/2	21	.118702
EM1P50CG	.082	3/8	7/8	77	21	27-1/2	21	.165191



EM1P

### EH1P – EVAPORATOR COIL – CASED – HORIZONTAL

Model	Orifice	Refrigerant Connections		Weight (lbs.)	Dimensions (in.)			Product Number
		Liquid	Vapor		Width	Height	Depth	
EH1P49CM	.093	3/8	7/8	58	31-1/2	21	21-1/4	.201160
EH1P62CM	.093	3/8	7/8	63	31-1/2	21	21-1/4	.196573



EH1P

# Coils



5 Year limited warranty on parts  
 Additional 5 Year parts warranty (with registration)  
 With Ducane ARI matched systems only

## EVAPORATOR COIL – CASED – UPFLOW/DOWNFLOW

Ton	R22 Piston	R410A Piston Installed	Refrigerant Connection		Dimensions (in.)			HE Model Galvanized	Product Number	AE Model Painted Armstrong Match	Product Number
			Liquid	Suction	Width	Height	Depth				
2	59	53	3/8	3/4	14-1/2	16-1/2	21	HE31124D145B	.17817	AE31124D145B	.250802
2	59	53	3/8	3/4	17-1/2	16-1/2	21	HE31124D175B	.19110	AE31124D175B	.250804
2.5	67	59	3/8	3/4	14-1/2	16-1/2	21	HE31130D145B	.19818	AE31130D145B	.250805
2.5	67	59	3/8	3/4	17-1/2	16-1/2	21	HE31130D175B	.26585	AE31130D175B	.250806
3	73	67	3/8	3/4	14-1/2	16-1/2	21	HE32136D145B	.20068	AE32136D145B	.250807
3	73	67	3/8	3/4	17-1/2	16-1/2	21	HE32136D175B	.20582	AE32136D175B	.250809
3	73	67	3/8	3/4	14-1/2	20-1/2	21	HE34136D145B	.195287	AE34136D145B	.250852
3	73	67	3/8	3/4	17-1/2	20-1/2	21	HE34136D175B	.195288	AE34136D175B	.250816
3	73	67	3/8	3/4	21	20-1/2	21	HE34136D210B	.195290	AE34136D210B	.250820
3*	73	67	3/8	3/4	17-1/2	29.5	21	HE47636D175B	.87085	AE47636D175B	.250810
3*	73	67	3/8	3/4	21	29.5	21	HE47636D210B	.87296	AE47636D210B	.250851
4	84	76	3/8	7/8	17-1/2	25-1/2	21	HE35148D175B	.29388	AE35148D175B	.250850
4	84	76	3/8	7/8	21	25-1/2	21	HE35148D210B	.20806	AE35148D210B	.250847
5	93	93	3/8	7/8	21	25-1/2	21	HE37160D210B	.195291	AE37160D210B	.250853
5	93	93	3/8	7/8	24-1/2	25-1/2	21	HE37160D245B	.204866	AE37160D245B	.250854

\*TXV Access Port

## HE – EVAPORATOR COIL – UNCASD – UPFLOW/DOWNFLOW

Model	Ton	R22 Piston Installed	R410A Piston	Refrigerant Connection		Dimensions (in.)			Product Number
				Liquid	Suction	Width	Height	Depth	
HE31224A130A	2	59	53	3/8	3/4	13	13	19-1/2	.93196
HE31230A130A	2.5	67	59	3/8	3/4	13	13	19-1/2	.94843
HE32236A140A	3	73	67	3/8	3/4	14	15	19-1/2	.95982
HE32236A170A	3	73	67	3/8	3/4	17	15	19-1/2	.96441
HE35248A170A	4	84	76	3/8	7/8	17	21	19-1/2	.97790
HE35248A200A	4	84	76	3/8	7/8	20	21	19-1/2	.99123
HE36260A200A	5	93	93	3/8	7/8	20	23	19-1/2	.99575

## TXV – NON-BLEED

Used on Models	R-22	Product Number	R-410A	Product Number
1.5T – 3T	65616201	.216821	65616601	.252590
3.5T – 5T	65616202	.250153	65616602	.252591



# Air Handlers



5 year limited warranty – Additional 5 years (with registration)  
With Armstrong ARI matched systems only

## BCS2M\*\*S – COMMUNICATING, VARIABLE SPEED AIR HANDLER

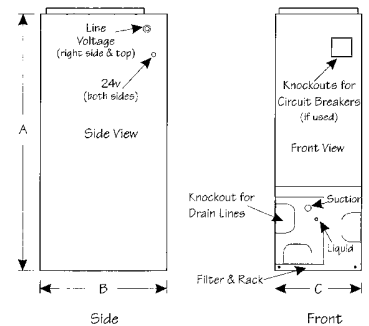


Model	Volts/Hz/Phase	Max. Elec. Heat Available (kW)	Filter Size (in.)	Florator Piston Size	Weight (lbs.)	Product Number
BCS2M24S	208-230/60/1	10	16 x 20	.057	127	.238002
BCS2M36S	208-230/60/1	15	18 x 20	.070	146	.238003
BCS2M48S	208-230/60/1	20	18 x 25	.082	176	.238004
BCS2M60S	208-230/60/1	20	18 x 25	.090	189	.238005



### Dimensions (in.)

Model	A	B	C	Supply Duct Opening		Return Duct Opening	
				Depth	Width	Depth	Width
BCS2M24S	46-3/4	22	18-1/2	17	16-1/2	20-1/4	16
BCS2M36S	51	22	21-1/4	17	19-1/4	20-1/4	18-3/4
BCS2M48S	54	26	21-1/4	21	19-1/4	24-1/4	18-3/4
BCS2M60S	60	26	21-1/4	21	19-1/4	24-1/4	18-3/4



### Accessories

Kit Number	Description	Used With	Product Number
AEHBCC05NSA-1	5 kW with Terminal Block	BCS2* 24, 36, 48, 60	.105216
AEHBCC07NSA-1	7.5 KW with Terminal Block	BCS2* 24, 36, 48, 60	.104289
AEHBCC10NSA-1	10 KW with Terminal Block	BCS2* 24, 36, 48, 60	.102723
AEHBCC15CSA-1	15 KW with Circuit Breaker	BCS2* 36, 48, 60	.81544
AEHBCC20CSA-1	20 KW with Circuit Breaker	BCS2* 48, 60	.76618
12W61	Counterflow Kit	All BCS2	.23239
1.841197	Comfort Sync Thermostat		.238007
X2658	Comfort Sync Outdoor Sensor		.238008

# Air Handlers



5 year limited warranty – Additional 5 years (with registration)  
With Armstrong ARI matched systems only

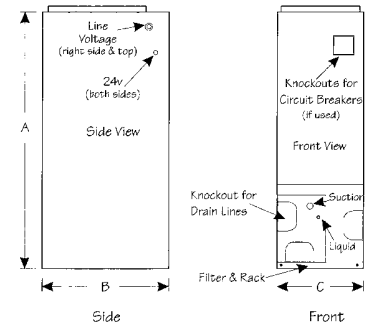
## BCE3\*\*C – AIR HANDLER



Model	Volts/Hz/Phase	Max. Elec. Heat Available (kW)	Filter Size (in.)	Florator Piston Size	Weight (lbs.)	Product Number
BCE3M18C	208-230/60/1	10	12 x 20	.053	104	.222600
BCE3M24C	208-230/60/1	10	15 x 20	.057	122	.222601
BCE3M30C	208-230/60/1	12.5	15 x 20	.062	125	.222602
BCE3M36C	208-230/60/1	15	18 x 20	.071	160	.222603
BCE3M42C	208-230/60/1	15	18 x 24	.076	162	.222604
BCE3M48C	208-230/60/1	20	18 x 24	.080	185	.222605
BCE3M60C	208-230/60/1	20	18 x 24	.093	185	.222606

## Dimensions (in.)

Model	A	B	C	Supply Duct Opening		Return Duct Opening	
				Depth	Width	Depth	Width
BCE3M18C	38	22	15	17	13	20-3/4	12-1/2
BCE3M24C	40-1/2	22	18-1/2	17	16-1/2	20-3/4	16
BCE3M30C	43	22	18-1/2	17	16-1/2	20-3/4	16
BCE3M36C	48	22	21-7/8	17	19-7/8	20-3/4	19-3/8
BCE3M42C	48	26	21-7/8	21	19-7/8	24-3/4	19-3/8
BCE3M48C	52-1/2	26	21-7/8	21	19-7/8	24-3/4	19-3/8
BCE3M60C	52-1/2	26	21-7/8	21	19-7/8	24-3/4	19-3/8



## Accessories

Kit Number	Description	Used With	Product Number
96W37	Counterflow Kit	BCE3M18	.222608
96W38	Counterflow Kit	BCE3M24, 30	.222609
97W95	Counterflow Kit	BCE3M36	.222610
97W96	Counterflow Kit	BCE3M42, 48, 60	.222611
89W46	7.5 KW with Circuit Breaker - ECB25-7CB-P	BCE3*18, 24, 30, 36, 42, 48, 60	.222576
89W48	10 KW with Circuit Breaker - ECB25-10CB-P	BCE3*18, 24, 30, 36, 42, 48, 60	.222579
89W50	15 KW with Circuit Breaker - ECB25-15CB-P	BCE3*36, 42, 48, 60	.222585
89W51	20 KW with Circuit Breaker - ECB25-20CB-P	BCE3*48, 60	.222607

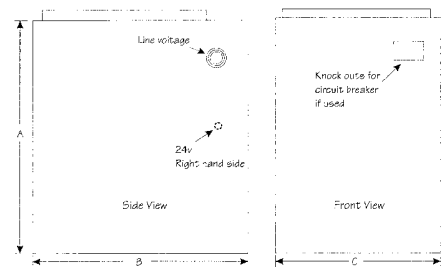
# Air Handlers



5 year limited warranty – Additional 5 years (with registration)  
With Armstrong ARI matched systems only

## EFC/EFV – Electric Furnace Modular Air System

Model	Voltage/Hz/Phase	Nominal Tonnage	Weight (lbs.)	Product Number
EFC08BC	208-230/60/1	1-1/2 – 2	78	.43925
EFC12BC	208-230/60/1	2-1/2 – 3	85	.59862
EFC16CC	208-230/60/1	4	96	.61065
EFC20DC	208-230/60/1	5	104	.62043
EFV12BC	208-230/60/1	1-1/2 – 3	86	.74497
EFV16CC	208-230/60/1	2 – 4	97	.74960
EFV20DC	208-230/60/1	3 – 5	105	.75209



Optional line voltage on top or right side of blower

## Dimensions (in.)

Model	A	B	C	Supply Duct Opening		Return Duct Opening	
				Depth	Width	Depth	Width
EFC08	25	20-1/2	17-1/2	16	15-1/2	19-1/2	16
EFV/EFC12	25	20-1/2	17-1/2	16	15-1/2	19-1/2	16
EFV/EFC16	26	20-1/2	21	16	19	19-1/2	19-1/2
EFV/EFC20	26	20-1/2	24-1/2	16	22-1/2	19-1/2	23

## Accessories

Kit Number	Description	Used With	Product Number
AEHBCC05NSA-1	5 kW with Terminal Block	BCS2* 24, 36, 48, 60	.105216
AEHBCC07NSA-1	7.5 KW with Terminal Block	BCS2* 24, 36, 48, 60	.104289
AEHBCC10NSA-1	10 KW with Terminal Block	BCS2* 24, 36, 48, 60	.102723
AEHBCC15CSA-1	15 KW with Circuit Breaker	BCS2* 36, 48, 60	.81544
AEHBCC20CSA-1	20 KW with Circuit Breaker	BCS2* 48, 60	.76618



With a variety of energy efficiencies and capacities, Allied Commercial has the breadth of product to satisfy most any project, any environment and any budget.



## Packaged Rooftop Units

- **Multiple cooling and heating stages** – Reduce temperature swings for a more comfortable indoor environment.
- **ENERGY STAR®-qualified high-efficiency units** – Reduce customer's energy cost, allow differentiation, and qualify for utility rebates.
- **Durable construction and excellent warranties** – Reliable start-ups and long-lasting performance improve profitability and customer satisfaction.
- **Common replacement parts** – Mean less parts to stock to support servicing of equipment for improved cash flows.
- **Complete line** – Available in gas-electric and electric-electric units from 2 to 25 tons and heat pumps from 2 to 20 tons.

### Accessories

- Roof Mounting Frames
- Diffusers – Step Down & Flush
- Hail Guards

- Economizers
- Outdoor Air Dampers – Manual & Automatic
- Airlink encore Zoning System
- LP Kits
- Gravity Exhaust Dampers
- Low Ambient Control
- ASP Submittal Program Available



## Commercial Split Systems

- **Durable construction and excellent warranties** – Reliable start-ups and long-lasting performance improve profitability and customer satisfaction.
- **Unique convenience features** – Reduce labor costs by allowing units to be installed, maintained and serviced quickly and easily.
- **Sound-reducing features** – Improve customer satisfaction with quiet operation.
- **Complete line** – Available in air conditioning units from 3 to 20 tons and heat pumps from 3 to 10 tons.

## Industrial Heating Products

### LG/LGH – Gas/Oil Furnace

- Available with Natural Gas or Oil Burner
- Field Convertible to LPG
- 225 through 450 MBTUH Heating Capacity
- AFUE Ratings up to 81%
- Air Volumes to 15 Tons
- Upflow or Horizontal Operation
- 14-Gauge Stainless Steel Heat Exchanger
- 16-Gauge Blower Deck and Frame
- 1-Year Limited Parts Warranty
- 5-Year Limited Heat Exchanger Warranty



# THRU-THE-WALL HEATING & COOLING UNITS

*"the invisible system"*

## DESIGNED AND BUILT FOR DESIGNERS AND BUILDERS



**M**agic-Pak® Thru-The-Wall Units combine heating and cooling in one compact, easy-to-install unit. Because these are ducted units, they are perfect for apartments, condominiums and other multiple occupancy buildings. And, each space has individual comfort controls, which gives tenants complete control over their comfort needs.

Professionals who take pride in a building's appearance and expect reliable performance know that Magic-Pak® units are their best choice.

Available in gas heating/electric cooling, heat pump and electric heating/cooling, Magic-Pak units' quality features make them the easiest combination heating and cooling you can specify.

## Magic-Pak® Comfort Control Advantages

Completely self-contained heating and cooling package:

- No outside condenser
- No external refrigerant lines
- No separate cooling coil
- No chimney or external flue

### Features

- Pre-wired and pre-charged
- Slide-out cooling chassis
- Mounts flush to any outside wall
- Easy to install
- Low installation and operating costs
- GAMA and ARI performance certified
- Design certified direct vent appliance
- Custom painted louver available
- Limited 5 year warranty



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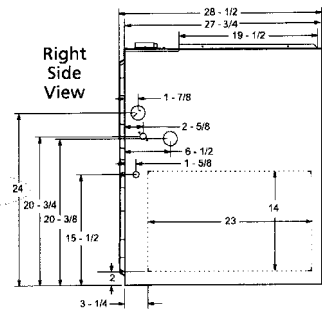
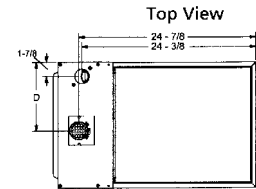
# Furnaces



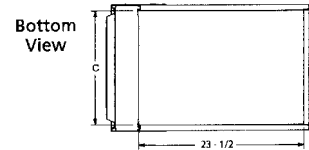
- 5 year limited warranty on parts – 20 year heat exchanger
- Additional 5 year limited warranty on parts with limited lifetime on heat exchanger (with registration)

## 95G2-GAS FURNACE-2-STAGE VARIABLE SPEED-UPFLOW/HORIZONTAL

Model	Catalog Number	1st Stage		2nd Stage		AFUE %	Nom Cooling Capacity	Approx Ship Weight	Product Number
		Input	Output	Input	Output				
95G2UH070BV12	67W69	43,000	41,000	66,000	62,000	95%	3	138	.231506
95G2UH090CV12	67W70	57,000	55,000	88,000	84,000	95%	3	154	.233589
95G2UH090CV20	67W71	57,000	55,000	88,000	85,000	95%	5	166	.231507
95G2UH110CV20	67W72	72,000	70,000	110,000	105,000	95%	5	173	.231508
95G2UH135DV20	67W73	88,000	84,000	135,000	126,000	95%	5	188	.231509



26-7/16 (Left Side)



### Unit Dimensions (in.)

Model	A	B	C	D
95G2UH --- B	17-1/2	16-3/8	16	7-5/8
95G2UH --- C	21	19-7/8	19-1/2	9-3/8
95G2UH --- D	24-1/2	23-3/8	23	11-1/8

### Accessories

Kit Number	Description	Used With	Prod. No.
78W94	LP Conversion Kit	All 95G2 2-Stage Furnaces	.196818
51W10	Horiz Suspension Kit		.225905
84W50	Night Service Kit	All 95G2 2-Stage Furnaces	.228626
CVENT-2	2" Concentric Vent Kit		.215660
CVENT-3	3" Concentric Vent Kit		.215661
51W11	Flush Mount Termination	All 2" & 3" Vents	.158685
68W62	17.5" Return Air Base	B Width Furnaces	.158687
68W63	21.0" Return Air Base	C Width Furnaces	.158688
68W64	24.5" Return Air Base	D Width Furnaces	.158689



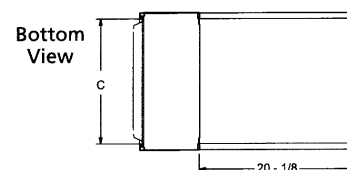
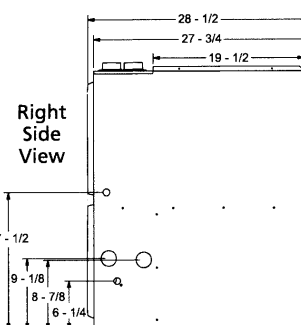
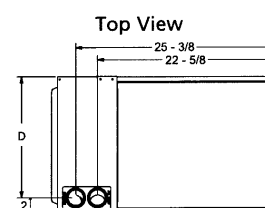
- 5 year limited warranty on parts – 20 year heat exchanger
- Additional 5 year limited warranty on parts with limited lifetime on heat exchanger (with registration)

## 95G2-GAS FURNACE-2-STAGE VARIABLE SPEED-DOWNFLOW

Model	Catalog Number	1st Stage		2nd Stage		AFUE %	Nom Cooling Capacity	Approx Ship Weight	Product Number
		Input	Output	Input	Output				
95G2DF070BV16	67W75	43,000	42,000	66,000	64,000	95%	4	138	.231511
95G2DF090CV20	67W76	57,000	56,000	88,000	85,000	95%	5	166	.231512
95G2DF110CV20	67W77	72,000	70,000	110,000	106,000	95%	5	176	.231513

### Unit Dimensions (in.)

Model	A	B	C	D
95G1DF --- B	17-1/2	16-3/8	16	15-1/2
95G1DF --- C	21	19-7/8	19-1/2	19



### Accessories

Kit Number	Description	Used With	Prod. No.
78W94	LP Conversion Kit	All 95G2 2-Stage Furnaces	.196818
84W50	Night Service Kit	All 95G2 2-Stage Furnaces	.228626
CVENT-2	2" Concentric Vent Kit		.215660
CVENT-3	3" Concentric Vent Kit		.215661
51W11	Flush Mount Termination	All 2" & 3" Vents	.158685

# Furnaces



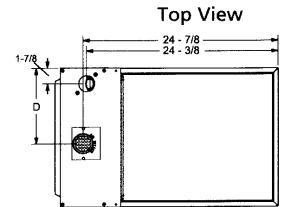
- 5 year limited warranty on parts – 20 year heat exchanger
- Additional 5 year limited warranty on parts with limited lifetime on heat exchanger (with registration)

## 95G1-GAS FURNACE-UPFLOW/HORIZONTAL

Model	Catalog Number	Heating Capacity		AFUE %	Nom Cooling Capacity	CFM Range @ .50"	Approx Ship Weight	Product Number
		Input	Output					
95G1UH045BP12	67W56	44,000	42,000	95%	2.0 - 3.0	940-1355	123	.153864
95G1UH070BP12	67W58	66,000	64,000	95%	2.0 - 3.0	840-1345	128	.153865
95G1UH090CP16	67W60	88,000	85,000	95%	3.0 - 4.0	1285-1830	148	.153867
95G1UH110CP20	67W62	110,000	106,000	95%	4.0 - 5.0	1640-2000	163	.153868

### Unit Dimensions (in.)

Model	A	B	C	D
95G1UH --- B	17-1/2	16-3/8	16	7-5/8
95G1UH --- C	21	19-7/8	19-1/2	9-3/8

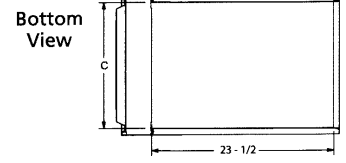
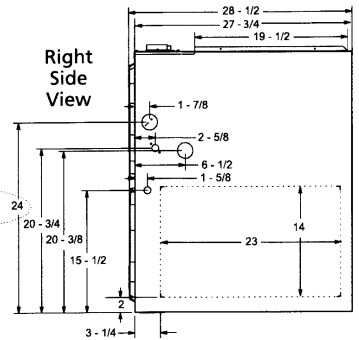
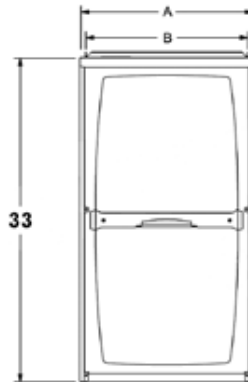


### Maximum Allowable Vent Length

Standard Termination at Elevation 0' to 4,500'											
Pipe Size	2"					3"					
	Model	045	070	090	110	135	045	070	090	110	135
#90° ells	1	76	61	39	19	n/a	132	132	113	113	109
	2	71	56	34	14	n/a	127	127	108	108	104
	3	66	51	29	9	n/a	122	122	103	103	99
	4	61	46	24	n/a	n/a	117	117	98	98	94
	5	56	41	19	n/a	n/a	112	112	93	93	89
	6	51	36	14	n/a	n/a	107	107	88	88	84
	7	46	31	9	n/a	n/a	102	102	83	83	79
	8	41	26	n/a	n/a	n/a	97	97	78	78	74
	9	36	21	n/a	n/a	n/a	92	92	73	73	69
	10	31	16	n/a	n/a	n/a	87	87	68	68	64

Concentric Termination at Elevation 0' to 4,500'											
Pipe Size	2"					3"					
	Model	045	070	090	110	135	045	070	090	110	135
#90° ells	1	68	53	37	17	n/a	119	116	109	109	100
	2	63	48	32	12	n/a	114	111	104	104	95
	3	58	43	27	7	n/a	109	106	99	99	90
	4	53	38	22	n/a	n/a	104	101	94	94	85
	5	48	33	17	n/a	n/a	99	96	89	89	80
	6	43	28	12	n/a	n/a	94	91	84	84	75
	7	38	23	7	n/a	n/a	89	86	79	79	70
	8	33	18	n/a	n/a	n/a	84	81	74	74	65
	9	28	13	n/a	n/a	n/a	79	76	69	69	60
	10	23	8	n/a	n/a	n/a	74	71	64	64	55



### Accessories

Kit Number	Description	Used With	Prod. No.
68W75	LP Conversion Kit	All 95G1 Single Stage Furnaces	.158681
51W10	Horiz Suspension Kit		.225905
CVENT-2	2" Concentric Vent Kit		.215660
CVENT-3	3" Concentric Vent Kit		.215661
51W11	Flush Mount Termination	All 2" & 3" Vents	.158685
68W62	17.5" Return Air Base	B Width Furnaces	.158687
68W63	21.0" Return Air Base	C Width Furnaces	.158688
68W64	24.5" Return Air Base	D Width Furnaces	.158689

# Furnaces



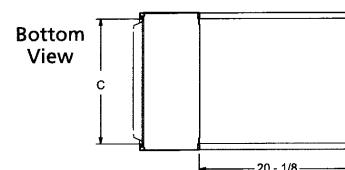
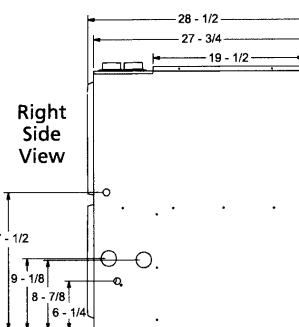
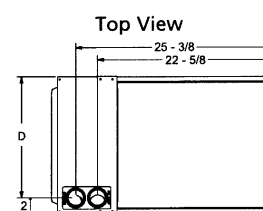
- 5 year limited warranty on parts – 20 year heat exchanger
- Additional 5 year limited warranty on parts with limited lifetime on heat exchanger (with registration)

## 95G1-GAS FURNACE-DOWNFLOW

Model	Catalog Number	Heating Capacity		AFUE %	Nom Cooling Capacity	CFM Range @ .50"	Approx Ship Weight	Product Number
		Input	Output					
95G1DF070BP12	67W65	66,000	64,000	95%	2.0 - 3.0	870-1270	131	.153870
95G1DF090CP20	67W66	88,000	85,000	95%	4.0 - 5.0	1500-1970	150	.153871
95G1DF110CP20	67W67	110,000	106,000	95%	4.0 - 5.0	1590-2040	165	.168274

### Unit Dimensions (in.)

Model	A	B	C	D
95G1DF --- B	17-1/2	16-3/8	16	15-1/2
95G1DF --- C	21	19-7/8	19-1/2	19



### Maximum Allowable Vent Length

Standard Termination at Elevation 0' to 4,500'												
Pipe Size	2"					3"						
	Model	045	070	090	110	135	045	070	090	110	135	
#90° ells	1	76	61	39	19	n/a	132	132	113	113	109	
	2	71	56	34	14	n/a	127	127	108	108	104	
	3	66	51	29	9	n/a	122	122	103	103	99	
	4	61	46	24	n/a	n/a	117	117	98	98	94	
	5	56	41	19	n/a	n/a	112	112	93	93	89	
	6	51	36	14	n/a	n/a	107	107	88	88	84	
	7	46	31	9	n/a	n/a	102	102	83	83	79	
	8	41	26	n/a	n/a	n/a	97	97	78	78	74	
	9	36	21	n/a	n/a	n/a	92	92	73	73	69	
	10	31	16	n/a	n/a	n/a	87	87	68	68	64	
Concentric Termination at Elevation 0' to 4,500'												
Pipe Size	2"					3"						
	Model	045	070	090	110	135	045	070	090	110	135	
#90° ells	1	68	53	37	17	n/a	119	116	109	109	100	
	2	63	48	32	12	n/a	114	111	104	104	95	
	3	58	43	27	7	n/a	109	106	99	99	90	
	4	53	38	22	n/a	n/a	104	101	94	94	85	
	5	48	33	17	n/a	n/a	99	96	89	89	80	
	6	43	28	12	n/a	n/a	94	91	84	84	75	
	7	38	23	7	n/a	n/a	89	86	79	79	70	
	8	33	18	n/a	n/a	n/a	84	81	74	74	65	
	9	28	13	n/a	n/a	n/a	79	76	69	69	60	
	10	23	8	n/a	n/a	n/a	74	71	64	64	55	

### Accessories

Kit Number	Description	Used With	Prod. No.
68W75	LP Conversion Kit	All 95G1 Single Stage Furnaces	.158681
68W80	Night Service Kit	All 95G1 Single Stage Furnaces	.158691
CVENT-2	2" Concentric Vent Kit		.215660
CVENT-3	3" Concentric Vent Kit		.215661
51W11	Flush Mount Termination	All 2" & 3" Vents	.158685

# Furnaces



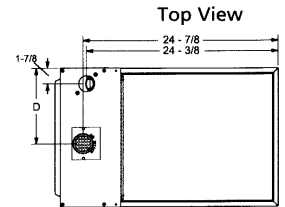
- 5 year limited warranty on parts – 20 year heat exchanger
- Additional 5 year limited warranty on parts with limited lifetime on heat exchanger (with registration)

## 92G1-GAS FURNACE-UPFLOW/HORIZONTAL

Model	Catalog Number	Heating Capacity		AFUE %	Nom Cooling Capacity	CFM Range @ .50"	Approx Ship Weight	Product Number
		Input	Output					
92G1UH045BP12	67W43	44,000	42,000	92.1%	2.5 - 3.0	940-1355	122	.153872
92G1UH070BP12	67W45	66,000	62,000	92.1%	2.5 - 3.0	945-1340	127	.153888
92G1UH090CP16	67W47	88,000	83,000	92.1%	3.0 - 4.0	1140-1700	146	.153890
92G1UH110CP20	67W49	110,000	104,000	92.1%	4.0 - 5.0	1545-2115	161	.153892

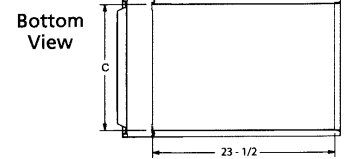
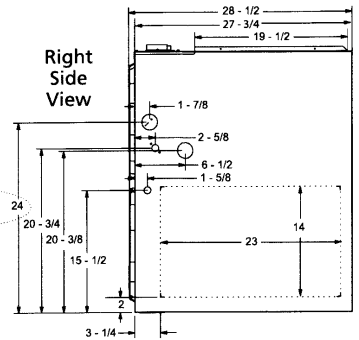
### Unit Dimensions (in.)

Model	A	B	C	D
92G1UH --- B	17-1/2	16-3/8	16	7-5/8
92G1UH --- C	21	19-7/8	19-1/2	9-3/8



### Maximum Allowable Vent Length

Standard Termination at Elevation 0' to 4,500'											
Pipe Size	2"					3"					
	Model	045	070	090	110	135	045	070	090	110	135
#90° ells	1	76	61	39	19	n/a	132	132	113	113	109
	2	71	56	34	14	n/a	127	127	108	108	104
	3	66	51	29	9	n/a	122	122	103	103	99
	4	61	46	24	n/a	n/a	117	117	98	98	94
	5	56	41	19	n/a	n/a	112	112	93	93	89
	6	51	36	14	n/a	n/a	107	107	88	88	84
	7	46	31	9	n/a	n/a	102	102	83	83	79
	8	41	26	n/a	n/a	n/a	97	97	78	78	74
	9	36	21	n/a	n/a	n/a	92	92	73	73	69
	10	31	16	n/a	n/a	n/a	87	87	68	68	64
Concentric Termination at Elevation 0' to 4,500'											
Pipe Size	2"					3"					
	Model	045	070	090	110	135	045	070	090	110	135
#90° ells	1	68	53	37	17	n/a	119	116	109	109	100
	2	63	48	32	12	n/a	114	111	104	104	95
	3	58	43	27	7	n/a	109	106	99	99	90
	4	53	38	22	n/a	n/a	104	101	94	94	85
	5	48	33	17	n/a	n/a	99	96	89	89	80
	6	43	28	12	n/a	n/a	94	91	84	84	75
	7	38	23	7	n/a	n/a	89	86	79	79	70
	8	33	18	n/a	n/a	n/a	84	81	74	74	65
	9	28	13	n/a	n/a	n/a	79	76	69	69	60
	10	23	8	n/a	n/a	n/a	74	71	64	64	55



### Accessories

Kit Number	Description	Used With	Prod. No.
68W75	LP Conversion Kit	All 92G1 Single Stage Furnaces	.158681
CVENT2	2" Concentric Vent Kit		.215660
CVENT3	3" Concentric Vent Kit		.215661
51W11	Flush Mount Termination	All 2" & 3" Vents	.158685
68W62	17.5" Return Air Base	B Width Furnaces	.158687
68W63	21.0" Return Air Base	C Width Furnaces	.158688
68W64	24.5" Return Air Base	D Width Furnaces	.158689
51W10	Horiz Suspension Kit		.225905

# Furnaces



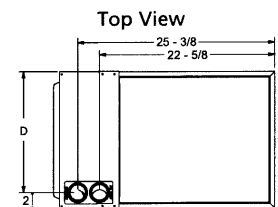
- 5 year limited warranty on parts – 20 year heat exchanger
- Additional 5 year limited warranty on parts with limited lifetime on heat exchanger (with registration)

## 92G1-GAS FURNACE-DOWNFLOW

Model	Catalog Number	Heating Capacity		AFUE %	Nom Cooling Capacity	CFM Range @ .50"	Approx Ship Weight	Product Number
		Input	Output					
92G1DF045BP12	67W51	44,000	42,000	92.1%	2.5 - 3.0	875-1300	124	.153893
92G1DF070BP12	67W52	66,000	62,000	92.1%	2.5 - 3.0	835-1270	129	.153895
92G1DF090CP16	67W53	88,000	84,000	92.1%	3.0 - 4.0	1215-1845	147	.153897
92G1DF110CP20	67W54	110,000	104,000	92.1%	4.0 - 5.0	1500-2045	162	.173412

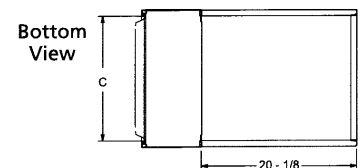
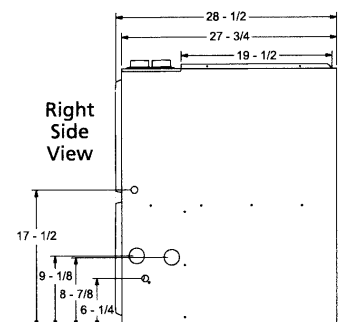
### Unit Dimensions (in.)

Model	A	B	C	D
92G1DF --- B	17-1/2	16-3/8	16	15-1/2
92G1DF --- C	21	19-7/8	19-1/2	19



### Maximum Allowable Vent Length

Standard Termination at Elevation 0' to 4,500'												
Pipe Size	2"					3"						
	Model	045	070	090	110	135	045	070	090	110	135	
#90° ells	1	76	61	39	19	n/a	132	132	113	113	109	
	2	71	56	34	14		127	127	108	108	104	
	3	66	51	29	9		122	122	103	103	99	
	4	61	46	24			117	117	98	98	94	
	5	56	41	19			112	112	93	93	89	
	6	51	36	14			107	107	88	88	84	
	7	46	31	9			102	102	83	83	79	
	8	41	26				97	97	78	78	74	
	9	36	21				92	92	73	73	69	
	10	31	16				87	87	68	68	64	
Concentric Termination at Elevation 0' to 4,500'												
Pipe Size	2"					3"						
	Model	045	070	090	110	135	045	070	090	110	135	
#90° ells	1	68	53	37	17	n/a	119	116	109	109	100	
	2	63	48	32	12		114	111	104	104	95	
	3	58	43	27	7		109	106	99	99	90	
	4	53	38	22			104	101	94	94	85	
	5	48	33	17			99	96	89	89	80	
	6	43	28	12			94	91	84	84	75	
	7	38	23	7			89	86	79	79	70	
	8	33	18				84	81	74	74	65	
	9	28	13				79	76	69	69	60	
	10	23	8				74	71	64	64	55	



### Accessories

Kit Number	Description	Used With	Prod. No.
68W75	LP Conversion Kit	All 92G1 Single Stage Furnaces	.158681
68W80	Night Service Kit	All 92G1 Single Stage Furnaces	.158691
CVENT-2	2" Concentric Vent Kit		.215660
CVENT-3	3" Concentric Vent Kit		.215661
51W11	Flush Mount Termination	All 2" & 3" Vents	.158685

# Furnaces



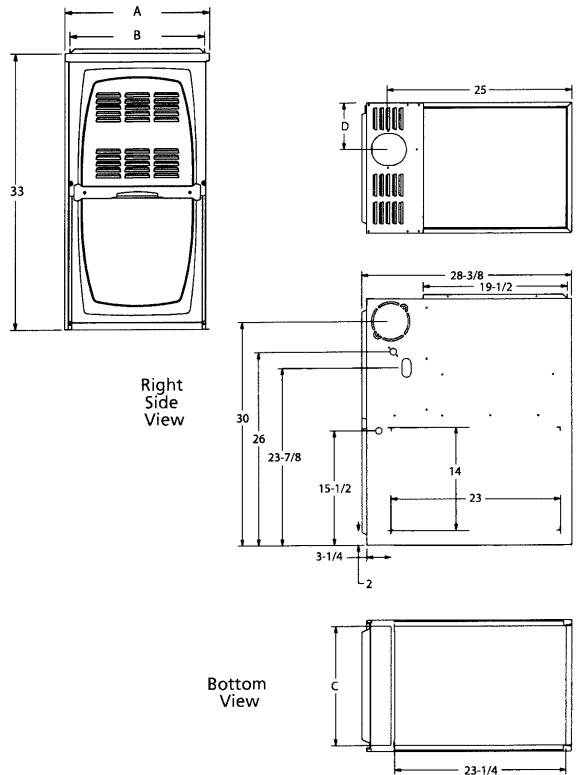
- 5 year limited warranty on parts – 20 year heat exchanger
- Additional 5 year limited warranty on parts with limited lifetime on heat exchanger (with registration)

## 80G1-GAS FURNACE-UPFLOW/HORIZONTAL

Model	Catalog Number	Heating Capacity		AFUE %	Nom Cooling Capacity	CFM Range @ .50"	Approx Ship Weight	Product Number
		Input	Output					
80G1UH045AP12	67W19	44,000	35,000	80%	2.0 - 3.0	924-1399	110	.153898
80G1UH070AP12	67W21	66,000	54,000	80%	2.0 - 3.0	925-1402	119	.153900
80G1UH090BP16	67W23	88,000	71,000	80%	3.0 - 4.0	1225-1663	138	.153902
80G1UH110CP20	67W26	110,000	89,000	80%	4.0 - 5.0	1674-2156	161	.153904
80G1UH135DP20	67W27	132,000	107,000	80%	4.0 - 5.0	1526-1863	174	.153905

### Unit Dimensions (in.)

Model	A	B	C	D
80G1UH --- A	14-1/2	13-3/8	13	4-3/4
80G1UH --- B	17-1/2	16-3/8	16	6-1/4
80G1UH --- C	21	19-3/8	19-1/2	8
80G1UH --- D	24-1/2	23-3/8	23	9-3/4



### Accessories

Kit Number	Description	Used With	Prod. No.
72W47	LP Conversion Kit	All 80G1 Single Stage Furnaces	.158682
68W80	Night Service Kit	All 80G1 Single Stage Furnaces	.158691
68W61	14.5" Return Air Base	A Width Furnaces	.158686
68W62	17.5" Return Air Base	B Width Furnaces	.158687
68W63	21.0" Return Air Base	C Width Furnaces	.158688
68W64	24.5" Return Air Base	D Width Furnaces	.158689
51W10	Horiz Suspension Kit		.225905

# Furnaces



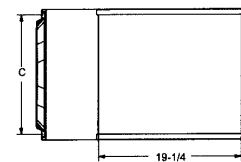
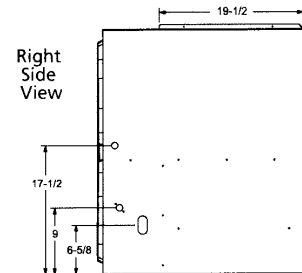
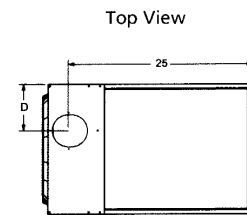
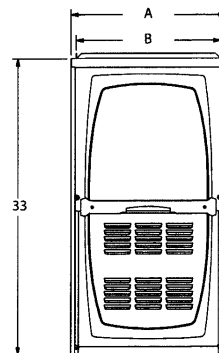
- 5 year limited warranty on parts – 20 year heat exchanger
- Additional 5 year limited warranty on parts with limited lifetime on heat exchanger (with registration)

## 80G1-GAS FURNACE-DOWNFLOW

Model	Catalog Number	Heating Capacity		AFUE %	Nom Cooling Capacity	CFM Range @ .50"	Approx Ship Weight	Product Number
		Input	Output					
80G1DF045AP12	67W32	44,000	35,200	80%	2.0 - 3.0	897-1255	112	.153906
80G1DF070AP12	67W33	66,000	52,800	80%	2.0 - 3.0	904-1306	121	.153907
80G1DF090BP16	67W34	88,000	70,400	80%	3.0 - 4.0	1212-1596	140	.153908

### Unit Dimensions (in.)

Model	A	B	C	D
80G1DF --- A	14-1/2	13-3/8	13	4-3/4
80G1DF --- B	17-1/2	16-3/8	16	6-1/4



### Accessories

Kit Number	Description	Used With	Prod. No.
72W47	LP Conversion Kit	All 80G1 Single Stage Furnaces	.158682

# Air Conditioners



5 Year limited warranty on compressor  
 5 Year limited warranty on parts  
 Additional 5 Year parts warranty (with registration)  
*ARI matched systems only*

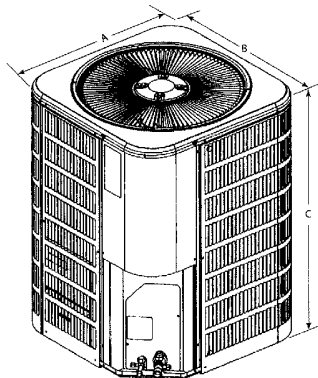
## 4AC14L – AIR CONDITIONER – R-410A – LOUVERED

Model	Catalog Number	Volts/Hz/Phase	Max. Fuse (amps)	Refrigerant Lines		Refrig. Charge (oz.)**	Approx Ship Weight	Product Number
				Liquid O.D. (in.)	Suction O.D. (in.)			
4AC14L24P	96W62	208-230/60/1	30	3/8	3/4	92	146	.203112
4AC14L30P	51W82	208-230/60/1	30	3/8	3/4	107	172	.230588
4AC14L36P	51W83	208-230/60/1	30	3/8	7/8	107	177	.230589
4AC14L41P	69W81	208-230/60/1	35	3/8	7/8	161	210	.231490
4AC14L47P	69W82	208-230/60/1	45	3/8	7/8	179	251	.231491
4AC14L60P	51W86	208-230/60/1	60	3/8	1-1/8	192	253	.231492

\*\* Factory charge for 15 feet of line set.

### Dimensions (in.)

Model	A	B	C
4AC14L24P	28-1/4	28-1/4	28-1/2
4AC14L30P			36-1/2
4AC14L36P			
4AC14L41P			
4AC14L47P	32-1/4	32-1/4	32-1/2
4AC14L60P			



### Duragrid Pad Size

Size	Product Number
30 x 30	.122269
33 x 33	.106989

### Line Sets

Size	Product Number	Size	Product Number
3/8 x 3/4 – 25'	.9307	3/8 x 7/8 – 30'	.113898
3/8 x 3/4 – 30'	.114334	3/8 x 7/8 – 35'	.12185
3/8 x 3/4 – 35'	.9761	3/8 x 7/8 – 50'	.107568
3/8 x 3/4 – 50'	.107366	3/8 x 1-1/8 – 25'	.67771
3/8 x 7/8 – 25'	.10256	3/8 x 1-1/8 – 50'	.107848

### Accessories

Kit Number	Description	Used With	Product Number
A4TXV01	TXV Kit	4AC14L24, 30, 36	.35332
A4TXV02	TXV Kit	4AC14L41, 47, 60	.35903

# Air Conditioners

**Ducane**  
AIR CONDITIONING  
AND HEATING

5 Year limited warranty on compressor  
5 Year limited warranty on parts  
Additional 5 Year parts warranty (with registration)  
*ARI matched systems only*

**WHILE  
QUANTITIES  
LAST!**

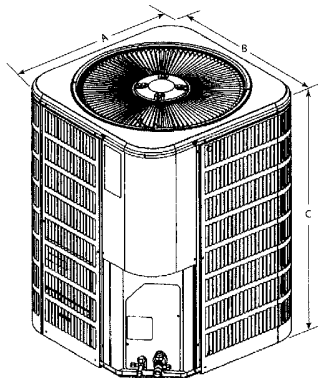
## 4AC13L – AIR CONDITIONER – R-410A – LOUVERED

Model	Catalog Number	Volts/Hz/Phase	Max. Fuse (amps)	Refrigerant Lines		Refrig. Charge (oz.)**	App. Ship Weight	Product Number
				Liquid O.D. (in.)	Suction O.D. (in.)			
4AC13L18P	91W96	208-230/60/1	15	3/8	5/8	62	136	.176774
4AC13L24P	91W97	208-230/60/1	20	3/8	5/8	63	137	.148533
4AC13L30P	51W68	208-230/60/1	25	3/8	3/4	82	147	.153768
4AC13L36P	51W69	208-230/60/1	35	3/8	3/4	84	149	.219518
4AC13L42P	92W00	208-230/60/1	45	3/8	3/4	104	194	.219520
4AC13L48P	92W01	208-230/60/1	50	3/8	7/8	124	192	.219521
4AC13L60P	92W02	208-230/60/1	50	3/8	7/8	144	205	.231489

\*\* Factory charge for 15 feet of line set.

### Dimensions (in.)

Model	A	B	C
4AC13L18P	24-1/4	24-1/4	25
4AC13L24P			
4AC13L30P	24-1/4	24-1/4	29
4AC13L36P			
4AC13L42P	28-1/4	28-1/4	29
4AC13L48P	28-1/4	28-1/4	33
4AC13L60P	28-1/4	28-1/4	29



### Duragrid Pad Size

Size	Product Number
24 x 24	.120551
30 x 30	.122269

### Line Sets

Size	Product Number	Size	Product Number
3/8 x 5/8 – 50'	.227175	3/8 x 7/8 – 25'	.10256
3/8 x 3/4 – 25'	.9307	3/8 x 7/8 – 30'	.113898
3/8 x 3/4 – 30'	.114334	3/8 x 7/8 – 35'	.12185
3/8 x 3/4 – 35'	.9761	3/8 x 7/8 – 50'	.107568
3/8 x 3/4 – 50'	.107366		

### Accessories

Kit Number	Description	Used With	Product Number
A4TXV01	TXV Kit	4AC13L18, 24, 30	.35332
A4TXV02	TXV Kit	4AC13L36, 42	.35903
H4TXV03	TXV Kit	4AC13L48, 60	.33003

# Air Conditioners



5 Year limited warranty on compressor  
 5 Year limited warranty on parts  
 Additional 5 Year parts warranty (with registration)  
 ARI matched systems only

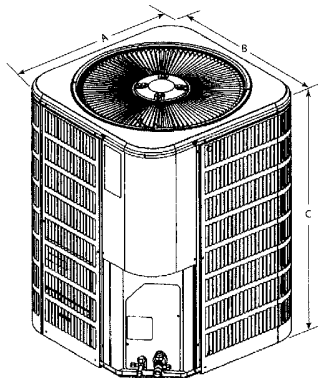
## 4AC13B – AIR CONDITIONER – R-410A – NON-LOUVERED

Model	Catalog Number	Volts/Hz/Phase	Max. Fuse (amps)	Refrigerant Lines		Refrig. Charge (oz.)**	Approx Ship Weight	Product Number
				Liquid O.D. (in.)	Suction O.D. (in.)			
4AC13B18P	51W59	208-230/60/1	15	3/8	5/8	62	125	.109469
4AC13B24P	51W60	208-230/60/1	20	3/8	5/8	63	126	.110400
4AC13B30P	51W61	208-230/60/1	25	3/8	3/4	82	139	.111051
4AC13B36P	51W62	208-230/60/1	35	3/8	7/8	84	141	.111543
4AC13B42P	51W63	208-230/60/1	45	3/8	3/4	104	184	.111920
4AC13B48P	51W64	208-230/60/1	50	3/8	3/4	124	181	.112132
4AC13B60P	51W65	208-230/60/1	50	3/8	7/8	144	194	.112510

\*\* Factory charge for 15 feet of line set.

### Dimensions (in.)

Model	A	B	C
4AC13B18P	24-1/4	24-1/4	25
4AC13B24P			29
4AC13B30P	24-1/4	24-1/4	29
4AC13B36P			29
4AC13B42P	28-1/4	28-1/4	29
4AC13B48P	28-1/4	28-1/4	33
4AC13B60P	28-1/4	28-1/4	29



### Duragrid Pad Size

Size	Product Number
24 x 24	.120551
30 x 30	.122269

### Line Sets

Size	Product Number	Size	Product Number
3/8 x 5/8 – 50'	.227175	3/8 x 7/8 – 25'	.10256
3/8 x 3/4 – 25'	.9307	3/8 x 7/8 – 30'	.113898
3/8 x 3/4 – 30'	.114334	3/8 x 7/8 – 35'	.12185
3/8 x 3/4 – 35'	.9761	3/8 x 7/8 – 50'	.107568
3/8 x 3/4 – 50'	.107366		

### Accessories

Kit Number	Description	Used With	Product Number
A4TXV01	TXV Kit	4AC13B18, 24, 30	.35332
A4TXV02	TXV Kit	4AC13B36, 42	.35903
H4TXV03	TXV Kit	4AC13B48, 60	.33003

# Air Conditioners



5 Year limited warranty on compressor  
 5 Year limited warranty on parts  
 Cannot be registered for 10 Year warranty

## 13ACD – AIR CONDITIONER – NITROGEN CHARGED

Model	Catalog Number	Volts/Hz/Phase	Max. Fuse (amps)	Piston	Refrigerant Lines		Field Supplied R22 Charge	Approx Ship Weight	Product Number
					Liquid O.D. (in.)	Suction O.D. (in.)			
13ACD-018	77W45	208-230/60/1	15	0.055	3/8	3/4	61	117	.170699
13ACD-024	77W46	208-230/60/1	20	0.062	3/8	3/4	67	118	.170701
13ACD-030	77W47	208-230/60/1	30	0.067	3/8	3/4	77	136	.170702
13ACD-036	77W48	208-230/60/1	30	0.076	3/8	7/8	92	136	.170703
13ACD-042	77W49	208-230/60/1	40	0.080	3/8	7/8	102	165	.170704
13ACD-048	77W50	208-230/60/1	40	0.089	3/8	7/8	120	184	.170705
13ACD-060	77W51	208-230/60/1	60	0.099	3/8	1-1/8	160	206	.170706

Units are factory shipped with dry nitrogen holding charge

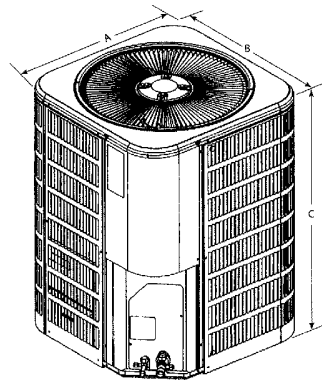
## 2SCU13 – AIR CONDITIONER – NITROGEN CHARGED – 3 PHASE

Model	Volts/Hz/Phase	Max. Fuse (amps)	Voltage Range	Refrigerant Lines		Field Supplied R22 Charge	Approx Ship Weight	Product Number
				Liquid O.D. (in.)	Suction O.D. (in.)			
2SCU13LC160T	208-230/60/3	35	197-253	3/8	1-1/8	160	272	.207602

Unit is factory shipped with dry nitrogen holding charge

### Dimensions (in.)

Model	A	B	C
13ACD-018	24-1/4	24-1/4	25
13ACD-024			33
13ACD-030			
13ACD-036			
13ACD-042	28-1/4	28-1/4	29
13ACD-048			37
13ACD-060			
2SCU13LC160T			



13ACD



2SCU13

### Duragrid Pad Size

Size	Product Number
24 x 24	.120551
30 x 30	.122269

### Line Sets

Size	Product Number	Size	Product Number
3/8 x 3/4 – 25'	.9307	3/8 x 7/8 – 30'	.113898
3/8 x 3/4 – 30'	.114334	3/8 x 7/8 – 35'	.12185
3/8 x 3/4 – 35'	.9761	3/8 x 7/8 – 50'	.107568
3/8 x 3/4 – 50'	.107366	3/8 x 1-1/8 – 25'	.67771
3/8 x 7/8 – 25'	.10256	3/8 x 1-1/8 – 50'	.107848

# Heat Pumps



5 Year limited warranty on compressor  
 5 Year limited warranty on parts  
 Additional 5 Year parts warranty (with registration)  
*ARI matched systems only*

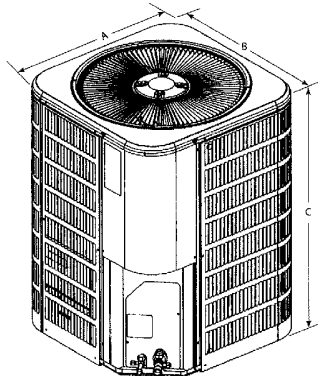
## 4HP14L – HEAT PUMP – R-410A – LOUVERED

Model	Catalog Number	Volts/Hz/Phase	Max. Fuse (amps)	Refrigerant Lines		Refrig. Charge (oz.)**	Approx Ship Weight	Product Number
				Liquid O.D. (in.)	Suction O.D. (in.)			
4HP14L24P	80W21	208-230/60/1	30	3/8	3/4	108	177	.229928
4HP14L30P	80W22	208-230/60/1	25	3/8	3/4	110	178	.230579
4HP14L36P	80W23	208-230/60/1	30	3/8	7/8	159	202	.230580
4HP14L42P	80W24	208-230/60/1	40	3/8	7/8	184	272	.230582
4HP14L48P	80W25	208-230/60/1	50	3/8	7/8	232	273	.229929
4HP14L60P	80W26	208-230/60/1	50	3/8	1-1/8	228	297	.233790

\*\* Factory charge for 15 feet of line set.

### Dimensions (in.)

Model	A	B	C
4HP14L24P	28-1/4	28-1/4	37
4HP14L30P			33
4HP14L36P			37
4HP14L42P	32-1/4	32-1/4	37
4HP14L48P			43
4HP14L60P			



### Duragrid Pad Size

Size	Product Number
30 x 30	.122269
33 x 33	.106989

### Line Sets

Size	Product Number	Size	Product Number
3/8 x 3/4 – 25'	.9307	3/8 x 7/8 – 30'	.113898
3/8 x 3/4 – 30'	.114334	3/8 x 7/8 – 35'	.12185
3/8 x 3/4 – 35'	.9761	3/8 x 7/8 – 50'	.107568
3/8 x 3/4 – 50'	.107366	3/8 x 1-1/8 – 25'	.67771
3/8 x 7/8 – 25'	.10256	3/8 x 1-1/8 – 50'	.107848

### Accessories

Kit Number	Description	Used With	Product Number
H4TXV01	TXV Kit	4HP14L24, 30	.35332
H4TXV02	TXV Kit	4HP14L36, 42, 48	.35903
H4TXV03	TXV Kit	4HP14L60	.33003

# Heat Pumps

**Ducane**  
AIR CONDITIONING  
AND HEATING

5 Year limited warranty on compressor  
5 Year limited warranty on parts  
Additional 5 Year parts warranty (with registration)  
*ARI matched systems only*

**WHILE  
QUANTITIES  
LAST!**

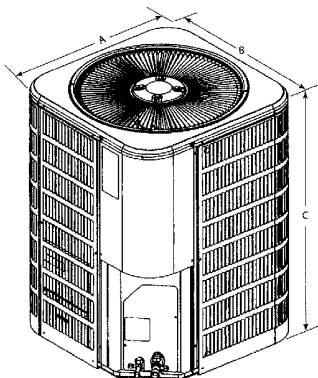
## 4HP13L – HEAT PUMP – R-410A – LOUVERED

Model	Catalog Number	Volts/Hz/Phase	Max. Fuse (amps)	Refrigerant Lines		Refrig. Charge (oz.)**	Approx. Ship Weight	Product Number
				Liquid O.D. (in.)	Suction O.D. (in.)			
4HP13L24P	80W14	208-230/60/1	20	3/8	3/4	101	158	.222577
4HP13L30P	80W15	208-230/60/1	25	3/8	3/4	108	168	.222578
4HP13L36P	80W16	208-230/60/1	35	3/8	3/4	114	187	.236995
4HP13L42P	80W17	208-230/60/1	45	3/8	7/8	134	224	.236996
4HP13L48P	80W18	208-230/60/1	50	3/8	7/8	198	236	.236997
4HP13L60P	80W19	208-230/60/1	60	3/8	1-1/8	210	252	.236998

\*\* Factory charge for 15 feet of line set.

### Dimensions (in.)

Model	A	B	C
4HP13L24P	24-1/4	24-1/4	33
4HP13L30P	28-1/4	28-1/4	29
4HP13L36P	28-1/4	28-1/4	37
4HP13L42P	28-1/4	28-1/4	43
4HP13L48P	28-1/4	28-1/4	33
4HP13L60P	28-1/4	28-1/4	37



### Duragrid Pad Size

Size	Product Number
24 x 24	.120551
30 x 30	.122269

### Line Sets

Size	Product Number	Size	Product Number
3/8 x 3/4 – 25'	.9307	3/8 x 7/8 – 30'	.113898
3/8 x 3/4 – 30'	.114334	3/8 x 7/8 – 35'	.12185
3/8 x 3/4 – 35'	.9761	3/8 x 7/8 – 50'	.107568
3/8 x 3/4 – 50'	.107366	3/8 x 1-1/8 – 25'	.67771
3/8 x 7/8 – 25'	.10256	3/8 x 1-1/8 – 50'	.107848

### Accessories

Kit Number	Description	Used With	Product Number
H4TXV01	TXV Kit	4HP13L24, 30, 36	.39274
H4TXV02	TXV Kit	4HP13L42, 48, 60	.39599

# Heat Pumps



5 Year limited warranty on compressor  
 5 Year limited warranty on parts  
 Additional 5 Year parts warranty (with registration)  
 ARI matched systems only

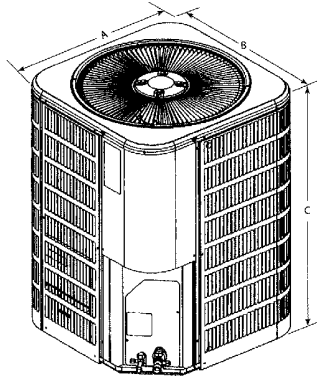
## 4HP13B – HEAT PUMP – R-410A – NON-LOUVERED

Model	Catalog Number	Volts/Hz/Phase	Max. Fuse (amps)	Refrigerant Lines		Refrig. Charge (oz.)**	Approx Ship Weight	Product Number
				Liquid O.D. (in.)	Suction O.D. (in.)			
4HP13B24P	80W07	208-230/60/1	20	3/8	3/4	101	147	.121869
4HP13B30P	80W08	208-230/60/1	25	3/8	3/4	108	156	.122872
4HP13B36P	80W09	208-230/60/1	35	3/8	3/4	114	172	.123049
4HP13B42P	80W10	208-230/60/1	45	3/8	7/8	134	207	.123977
4HP13B48P	80W11	208-230/60/1	50	3/8	7/8	198	223	.124873
4HP13B60P	80W12	208-230/60/1	60	3/8	1-1/8	210	227	.125091

\*\* Factory charge for 15 feet of line set.

### Dimensions (in.)

Model	A	B	C
4HP13B24P	24-1/4	24-1/4	33
4HP13B30P	28-1/4	28-1/4	29
4HP13B36P	28-1/4	28-1/4	37
4HP13B42P	28-1/4	28-1/4	43
4HP13B48P	28-1/4	28-1/4	33
4HP13B60P	28-1/4	28-1/4	37



### Duragrid Pad Size

Size	Product Number
24 x 24	.120551
30 x 30	.122269

### Line Sets

Size	Product Number	Size	Product Number
3/8 x 3/4 – 25'	.9307	3/8 x 7/8 – 30'	.113898
3/8 x 3/4 – 30'	.114334	3/8 x 7/8 – 35'	.12185
3/8 x 3/4 – 35'	.9761	3/8 x 7/8 – 50'	.107568
3/8 x 3/4 – 50'	.107366	3/8 x 1-1/8 – 25'	.67771
3/8 x 7/8 – 25'	.10256	3/8 x 1-1/8 – 50'	.107848

### Accessories

Kit Number	Description	Used With	Product Number
H4TXV01	TXV Kit	4HP13B24, 30, 36	.39274
H4TXV02	TXV Kit	4HP13B42, 48, 60	.39599

# Air Handlers



5 Year limited warranty  
 Additional 5 Year parts warranty (with registration)  
 ARI matched systems only

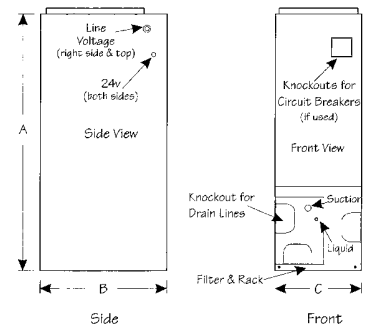
## BCS3M\*\*C – AIR HANDLER

Model	Volts/Hz/Phase	Max. Elec. Heat Available (kW)	Filter Size (in.)	Florator Piston Size	Weight (lbs.)	Product Number
BCS3M18C	208-230/60/1	10	12 x 20	.053	104	.222575
BCS3M24C	208-230/60/1	10	15 x 20	.057	122	.220080
BCS3M30C	208-230/60/1	12.5	15 x 20	.062	125	.220081
BCS3M36C	208-230/60/1	15	18 x 20	.071	160	.220082
BCS3M42C	208-230/60/1	15	18 x 24	.076	162	.222614
BCS3M48C	208-230/60/1	20	18 x 24	.080	185	.222615
BCS3M60C	208-230/60/1	20	18 x 24	.093	185	.222583



## Dimensions (in.)

Model	A	B	C	Supply Duct Opening		Return Duct Opening	
				Depth	Width	Depth	Width
BCS3M18C	38	22	15	17	13	20-3/4	12-1/2
BCS3M24C	40-1/2	22	18-1/2	17	16-1/2	20-3/4	16
BCS3M30C	43	22	18-1/2	17	16-1/2	20-3/4	16
BCS3M36C	48	22	21-7/8	17	19-7/8	20-3/4	19-3/8
BCS3M42C	48	26	21-7/8	21	19-7/8	24-3/4	19-3/8
BCS3M48C	52-1/2	26	21-7/8	21	19-7/8	24-3/4	19-3/8
BCS3M60C	52-1/2	26	21-7/8	21	19-7/8	24-3/4	19-3/8



## Accessories

Kit Number	Description	Used With	Product Number
96W37	Counterflow Kit	BCS3M18	.222608
96W38	Counterflow Kit	BCS3M24, 30	.222609
97W95	Counterflow Kit	BCS3M36	.222610
97W96	Counterflow Kit	BCS3M42, 48, 60	.222611
89W46	7.5 KW with Circuit Breaker - ECB25-7CB-P	BCS3*18, 24, 30, 36, 42, 48, 60	.222576
89W48	10 KW with Circuit Breaker - ECB25-10CB-P	BCS3*18, 24, 30, 36, 42, 48, 60	.222579
89W50	15 KW with Circuit Breaker - ECB25-15CB-P	BCS3*36, 42, 48, 60	.222585
89W51	20 KW with Circuit Breaker - ECB25-20CB-P	BCS3*48, 60	.222607

# Air Handlers



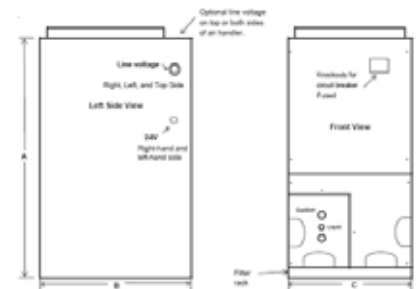
## FCM – AIR HANDLER

Model	Volts/Hz/Phase	Max. Elec. Heat Available (kW)	Filter Size (in.)	Florator Piston Size	Weight (lbs.)	Product Number
FCME22224S001	208-240/60/1	10	12 x 20	.053	80	.252695
FCME22236S001	208-240/60/1	15	16 x 20	.067	105	.252696
FCMCC2248S001	208-240/60/1	20	18 x 25	.076	155	.252697
FCMCC2260S001	208-240/60/1	20	18 x 25	.093	155	.252698
FCME22224S003	115/60/1	10	12 x 20	.053	80	.261810
FCME22236S003	115/60/1	15	16 x 20	.067	105	.261811



## Dimensions (in.)

Model	A	B	C	Supply Duct Opening		Return Duct Opening	
				Depth	Width	Depth	Width
24	36	22	15	17	13	20.35	12.20
36	41	22	18-1/2	17	16.5	20.35	16.20
48, 60	48	26	21-7/8	21	20	24.60	20.08



## SK – AIR HANDLER – 30" height

Model	Volts/Hz/Phase	Max. Elec. Heat Available (kW)	Filter Size (in.)	Florator Piston Size	Weight (lbs.)	Product Number
SK111807	208-240/60/1	10	20 x 20	.049	85	.252602
SK112410	208-240/60/1	10	20 x 20	.053	85	.252599
SK613010	208-240/60/1	10	20 x 20	.059	90	.252603



## Accessories

Kit Number	Description	Product Number
65866503	5 KW Electric Heat Kit	.165116
65866507	10 KW Electric Heat Kit	.257591
65866508	15 KW Electric Heat Kit	.167272
65866509	20 KW Electric Heat Kit	.257592



5 year limited warranty – Additional 5 years (with registration)  
With Armstrong ARI matched systems only

### EC1P – EVAPORATOR COIL – CASED – UPFLOW/COUNTERFLOW

Model	Orifice	Refrigerant Connection		Weight (lbs.)	Dimensions (in.)			Product Number
		Liquid	Vapor		Width	Height	Depth	
EC1P23AG	.057	3/8	3/4	39	14-1/2	18-1/2	21	.23642
EC1P23BG	.057	3/8	3/4	41	17-1/2	18-1/2	21	.23849
EC1P24AG	.057	3/8	3/4	37	14-1/2	20-1/2	21	.114980
EC1P30AG	.065	3/8	3/4	45	14-1/2	24-1/2	21	.116061
EC1P30BG	.065	3/8	3/4	46	17-1/2	24-1/2	21	.118150
EC1P36AG	.073	3/8	3/4	49	14-1/2	24-1/2	21	.116810
EC1P36BG	.073	3/8	3/4	51	17-1/2	24-1/2	21	.116981
EC1P36CG	.073	3/8	3/4	55	21	24-1/2	21	.117167
EC1P43BG	.076	3/8	7/8	60	17-1/2	29-1/2	21	.119496
EC1P43CG	.076	3/8	7/8	63	21	29-1/2	21	.119469
EC1P49CG	.093	3/8	7/8	72	21	29-1/2	22	.117407
EC1P50CG	.082	3/8	7/8	66	21	27-1/2	21	.24717
EC1P60DG	.093	3/8	7/8	66	24-1/2	25-1/2	21	.117635
EC1P62CG	.093	3/8	7/8	76	21	31-1/2	22	.67754
EC1P62DG	.093	3/8	7/8	77	24-1/2	29-1/2	21	.68002



EC1P

### EM1P – EVAPORATOR COIL – CASED – UPFLOW/HORIZONTAL

Model	Orifice	Refrigerant Connections		Weight (lbs.)	Dimensions (in.)			Product Number
		Liquid	Vapor		Width	Height	Depth	
EM1P23BG	.057	3/8	3/4	40	17-1/2	25-1/2	21	.82071
EM1P36BG	.073	3/8	3/4	57	17-1/2	25-1/2	21	.84028
EM1P43CG	.076	3/8	7/8	45	21	27-1/2	21	.118702
EM1P50CG	.082	3/8	7/8	77	21	27-1/2	21	.165191



EM1P

### EH1P – EVAPORATOR COIL – CASED – HORIZONTAL

Model	Orifice	Refrigerant Connections		Weight (lbs.)	Dimensions (in.)			Product Number
		Liquid	Vapor		Width	Height	Depth	
EH1P49CM	.093	3/8	7/8	58	31-1/2	21	21-1/4	.201160
EH1P62CM	.093	3/8	7/8	63	31-1/2	21	21-1/4	.196573



EH1P

# Coils



5 Year limited warranty on parts  
 Additional 5 Year parts warranty (with registration)  
 With Armstrong ARI matched systems only

## HE – EVAPORATOR COIL – CASED – UPFLOW/DOWNFLOW

Model	Ton	R22 Piston	R410A Piston Installed	Refrigerant Connection		Dimensions (in.)			Product Number
				Liquid	Suction	Width	Height	Depth	
HE31124D145B	2	59	53	3/8	3/4	14-1/2	16-1/2	21	.17817
HE31124D175B	2	59	53	3/8	3/4	17-1/2	16-1/2	21	.19110
HE31130D145B	2.5	67	59	3/8	3/4	14-1/2	16-1/2	21	.19818
HE31130D175B	2.5	67	59	3/8	3/4	17-1/2	16-1/2	21	.26585
HE32136D145B	3	73	67	3/8	3/4	14-1/2	16-1/2	21	.20068
HE32136D175B	3	73	67	3/8	3/4	17-1/2	16-1/2	21	.20582
HE34136D145B	3	73	67	3/8	3/4	14-1/2	20-1/2	21	.195287
HE34136D175B	3	73	67	3/8	3/4	17-1/2	20-1/2	21	.195288
HE34136D210B	3	73	67	3/8	3/4	21	20-1/2	21	.195290
HE35148D175B	4	84	76	3/8	7/8	17-1/2	25-1/2	21	.29388
HE35148D210B	4	84	76	3/8	7/8	21	25-1/2	21	.20806
HE37160D210B	5	93	93	3/8	7/8	21	25-1/2	21	.195291
HE37160D245B	5	93	93	3/8	7/8	24-1/2	25-1/2	21	.204866
HE47636D175B	3	TXV		3/8	3/4	17-1/2	29-1/2	21	.87085
HE47636D210B	3	TXV		3/8	3/4	21	29-1/2	21	.87296

## HE – EVAPORATOR COIL – UNCASD – UPFLOW/DOWNFLOW

Model	Ton	R22 Piston Installed	R410A Piston	Refrigerant Connection		Dimensions (in.)			Product Number
				Liquid	Suction	Width	Height	Depth	
HE31224A130A	2	59	53	3/8	3/4	13	13	19-1/2	.93196
HE31230A130A	2.5	67	59	3/8	3/4	13	13	19-1/2	.94843
HE32236A140A	3	73	67	3/8	3/4	14	15	19-1/2	.95982
HE32236A170A	3	73	67	3/8	3/4	17	15	19-1/2	.96441
HE35248A170A	4	84	76	3/8	7/8	17	21	19-1/2	.97790
HE35248A200A	4	84	76	3/8	7/8	20	21	19-1/2	.99123
HE36260A200A	5	93	93	3/8	7/8	20	23	19-1/2	.99575

**Features:**

- **HYDRO TEC™** low water retention drain pan with antimicrobial additive
- Dual 3/4" FPT condensate drains on left and right
- UV resistant drain pans are molded of high temperature (450°F) engineering polymer
- Rifled Copper Tubing
- Up or down airflow
- Florators standard
- Patented lance fin design



# Mobile Home Equipment



**Mobile Home Equipment**  
1 year standard limited parts warranty

## 80% FURNACE — Hot Surface Ignition • A/C Ready with Coil Cabinet • 76" x 19-3/4" x 23-3/4"

Model	Input	Output	AFUE (Nat/LP)	Motor Hp	Shipping Weight	Product Number
	(MBtu/h)					
M1MB-056ABW	56	46	80	1/4	167	.51911
M1MB-070ABW	70	57	80	1/4	168	.53012
M1MB-077ABW	77	62	80	1/4	164	.55117
M1MB-090ABW	90	72	80	1/4	166	.55342

## 95% FURNACE — High Efficiency Downflow • A/C Ready with Coil Cabinet • 76" x 19-3/4" x 24-5/8"

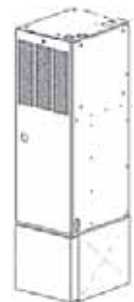
Model	Input	Output	AFUE (Nat/LP)	Motor Hp	Shipping Weight	Product Number
	(MBtu/h)					
M7RL-060ABW	60	57	95.1	1/2	170	.181781
M7RL-072ABW	72	68	95.1	1/2	175	.181782

## R410A MOBILE HOME COIL — UNCASSED w/ R410A TXV, Quick Connect Frgs

Model	Ton	Refrig. Connections		Dimensions (in.)			Product Number
		Liquid	Suction	Width	Height	Depth	
C8QAM024U-B	2	3/8"	3/4"	18-1/8"	18"	19-1/2"	.230667
C8QAM030U-B	2.5						.230669
C8QAM036U-B	3						.150865

## ELECTRIC FURNACE — 20" x 29" x 24-1/2" • Air Filter (standard) 16" x 20" x 1"

Model	Rated Heating Output, Btuh	Watts	Heating Elements, No. (Total kw)	4 Speed 1/3 Hp 2.9 Amps	Product Number
E3EB-012H	41,000	12.0	2 (11.6)		.61401
E3EB-015H	53,000	15.4	3 (15.0)		.61570
E3EB-020H	70,000	20.4	4 (20.0)		.62219



### Accessories

Kit Number	Description	Used With	Product Number
FAW1523-0A	Flat Roof Flue Assy.	80%	.57412
FAW2135-0A	Flat Roof Flue Assy.	80%	.58285
FAW2747-0A	Flat Roof Flue Assy.	80%	.58445
SAW2135-2A	2/12 Pitch Flue Assy.	80%	.58908
SAW2747-2A	2/12 Pitch Flue Assy.	80%	.59174
SAW3563-2A	2/12 Pitch Flue Assy.	80%	.60074
SAW5195-4A	2/12 Pitch Flue Assy.	80%	.60265
903000	Top Grille & Frame	E3EB	.62904
904106	90% Venting Kit		.71043

### Parts

Kit Number	Description	Used With	Product Number
903110	Ignitor	80%	.102160
903404	Combustion Blower	80%	.102358
632453	Pressure Switch	80%	.102520
903429	Control Board	80%	.102780
903774	Blower Motor	80%	.103082
903596	Gas Valve	80/90%	.103247
920915	Control Board	95%	.222732
632622	Pressure Switch	95%	.222741

# Ductless Mini-Split Systems



## Fujitsu Model Nomenclature

Model	48	R	L	X	F	Z
<b>ASU</b> Wall Mount	BTUs in thousands	<b>R =</b> Reverse Cycle Heat Pump	<b>C =</b> Cassette	<b>L =</b> Inverter	<b>X =</b> Extended Line Set	<b>Z =</b> Zone
<b>ABU</b> Universal Mount Ceiling Suspended		<b>C =</b> Cooling Only	<b>S =</b> Ceiling Suspended	<b>X =</b> Extended Line Set	<b>S =</b> Super Efficient	<b>W =</b> Wall Mount Only
<b>ARU</b> Compact Duct			<b>L =</b> Inverter	<b>S =</b> Super Efficient	<b>F =</b> HFI	
<b>AUU</b> Cassette Mount			<b>U =</b> Universal	<b>F =</b> HFI	<b>W =</b> Wall Mount Only	
<b>AOU</b> Outdoor Unit					<b>H =</b> High Heating	
				<b>C =</b> Compact Cassette or Compact Duct		

## Ductless Mini-Split Systems Up to 19 SEER • Single-Zone • R410A Air Conditioners



Fig. A Fig. B Fig. C Fig. D Fig. E

Fig.	System No.	Model No.	Unit Type	SEER	BTUh Cooling	CFM High	Amps Cooling Rated / Max	Max. Fuse Size	Conn. Pipe Diameter		Width	Height	Depth	Prod. No.
									Suction	Discharge				
A	18CL	ASU18CL	Indoor	19.0	18,000	412	7.7 / 9.0	20	1/2"	1/4"	31-1/8"	10-13/16"	8-7/16"	<b>.232255</b>
B		AOU18CL	Outdoor								31-1/8"	22-3/4"	11-13/16"	<b>.232256</b>
C	24CL1	ASU24CL1	Indoor	17.5	24,000	659	10.5 / 11.5	20	5/8"	1/4"	39-1/4"	12-5/8"	9"	<b>.232257</b>
D		AOU24CL1	Outdoor								31-1/8"	24-7/16"	11-3/4"	<b>.232258</b>
C	30CLX1	ASU30CLX1	Indoor	16.5	30,800	660	14.2 / 17.0	30	5/8"	3/8"	39-1/4"	12-5/8"	9"	<b>.232261</b>
E		AOU30CLX1	Outdoor								35-3/8"	32-3/4"	13"	<b>.232263</b>
C	36CLX1	ASU36CLX1	Indoor	15.5	33,000	695	17.0 / 18.0	30	5/8"	3/8"	39-1/4"	12-5/8"	9"	<b>.232266</b>
E		AOU36CLX1	Outdoor								35-3/8"	32-3/4"	13"	<b>.232267</b>

System 18CL – 6 Year Compressor & 2 Year Parts Warranty

Systems 24CL1, 30/36CLX1 – 7 Year Compressor & 5 Year Parts Warranty

### Standard Features

- Apple Catechin Filter
- Ion Deodorizing Filter
- Wireless Remote Control
- Sleep Timer
- 24-Hour Timer
- Dry Mode
- Auto Louver: Up/Down (18CL only) 4 Way (24CL1, 30CLX1, 36CLX1 only)
- Auto Mode
- Quiet Mode
- Power Diffuser (24CL1, 30CLX1, 36CLX1 only)
- Auto Restart/Reset
- Low Ambient Cooling
- Pump Down Operation (30CLX1, 36CLX1 only)
- Long Piping Length (30CLX1, 36CLX1 only)

### Installation Items

Model No.	Description	Use With	Prod. No.
MSA-45	1/4" Male Flare x 1/2" FIP Service Valve	All	<b>.233744</b>
230-B2M	HEF-T-Bracket (Type 2) - Medium - 18"	All	<b>.233733</b>
CVMINI	ClearVue Mini Ductless System Condensate Pump	All	<b>.233746</b>
230-DL16	5/8" ID Mini-Split Drain Line 160' Roll	All	<b>.233771</b>
10703908	Control Wire for Mini-Split 14-4 50' Roll	All	<b>.233987</b>

### Linesets

Description	Use With	Prod. No.
1/4" x 1/2" x 25' x 1/2" Insulation Mini-Split Lineset	18CL	<b>.233195</b>
1/4" x 1/2" x 50' x 1/2" Insulation Mini-Split Lineset		<b>.233196</b>
1/4" x 5/8" x 25' x 1/2" Insulation Mini-Split Lineset	24CL1	<b>.233198</b>
1/4" x 5/8" x 50' x 1/2" Insulation Mini-Split Lineset		<b>.233199</b>
3/8" x 5/8" x 25' x 1/2" Insulation Mini-Split Lineset	30CLX1 - 36CLX1	<b>.233200</b>
3/8" x 5/8" x 50' x 1/2" Insulation Mini-Split Lineset		<b>.233202</b>

# Ductless Mini-Split Systems



## Ductless Mini-Split Systems

Up to 16 SEER • Single-Zone • R410A Heat Pumps



Fig. A

Fig. B

### Standard Features

- Wireless Remote Control
- Sleep Timer
- Cold Prevention
- Dry Mode
- Auto Louver
- Powerful Operation
- Quiet Mode
- Auto Restart/Reset
- Low Ambient
- Economy Mode
- Auto Changeover
- Auto Mode

Fig.	System No.	Model No.	Unit Type	SEER	BTUh		CFM High	Amps Rated	Max. Fuse Size	Conn. Pipe Diameter		Width	Height	Depth	Prod. No.
					Cooling	Heating				Suction	Discharge				
A	9RL2	ASU9RL2	Indoor	16.0	9,000	10,000	436	7.5-Clg 7.0-Htg	15	3/8"	1/4"	32-9/32"	10-5/16"	8-1/8"	<b>.232295</b>
B		AOU9RL2	Outdoor									26"	21-1/4"	11-13/32"	<b>.232269</b>
A	12RL2	ASU12RL2	Indoor	16.0	12,000	14,000	436	10.9-Clg 11.0-Htg	20	3/8"	1/4"	32-9/32"	10-5/16"	8-1/8"	<b>.232274</b>
B		AOU12RL2	Outdoor									26"	21-1/4"	11-13/32"	<b>.232275</b>

7 Year Compressor & 5 Year Parts Warranty

## Ductless Mini-Split Systems

Up to 17.5 SEER • Single-Zone • R410A Heat Pumps



Fig. A

Fig. B

### Standard Features

- Apple Catechin Filter
- Ion Deodorizing Filter
- Wireless Remote Control
- Sleep Timer
- 24-Hour Timer
- Dry Mode
- Auto Louver: 4 Way
- Auto Mode
- Pump Down Operation
- Quiet Mode (Indoor)
- Power Diffuser
- Auto Restart/Reset
- 0°F Ambient Cooling
- Minimum Heat Mode
- Economy Mode
- Auto Changeover
- Cold Prevention
- Long Piping Length

Fig.	System No.	Model No.	Unit Type	SEER	BTUh		CFM High	Amps Cooling Rated / Max	Max. Fuse Size	Conn. Pipe Diameter		Width	Height	Depth	Prod. No.
					Cooling	Heating				Suction	Discharge				
A	30RLX	ASU30RLX	Indoor	17.5	30,000	32,000	659-Clg 677-Htg	13.2/17.0-Clg 13.1/18.5-Htg	30	5/8"	3/8"	39-1/4"	12-5/8"	9"	<b>.232264</b>
B		AOU30RLX	Outdoor									35-3/8"	32-3/4"	13"	<b>.232265</b>

6 Year Compressor & 2 Year Parts Warranty

### Installation Items

Model No.	Description	Use With	Prod. No.
MSA-45	1/4" Male Flare x 1/2" FIP Service Valve	All	<b>.233744</b>
230-B2M	HEF-T-Bracket (Type 2) - Medium - 18"	All	<b>.233733</b>
CVMINI	ClearVue Mini Ductless System Condensate Pump	All	<b>.233746</b>
230-DL16	5/8" ID Mini-Split Drain Line 160' Roll	All	<b>.233771</b>
10703908	Control Wire for Mini-Split 14-4 50' Roll	All	<b>.233987</b>

### Linesets

Description	Use With	Prod. No.
1/4" x 3/8" x 25' x 1/2" Insulation Mini-Split Lineset	9RL2 - 12RL2	<b>.233190</b>
1/4" x 3/8" x 50' x 1/2" Insulation Mini-Split Lineset		<b>.233194</b>
3/8" x 5/8" x 25' x 1/2" Insulation Mini-Split Lineset	30RLX	<b>.233200</b>
3/8" x 5/8" x 50' x 1/2" Insulation Mini-Split Lineset		<b>.233202</b>

# Ductless Mini-Split Systems



## Ductless Mini-Split Systems Up to 26.5 SEER • Single-Zone • R410A Heat Pumps



Fig. A

Fig. B

Fig. C

### Standard Features

- Apple Catechin Filter
- Ion Deodorizing Filter
- Wireless Remote Control
- Sleep Timer
- Weekly Timer
- Dry Mode
- Auto Louver: Up/Down
- Powerful Operation Mode
- 24 Hour Timer
- Quiet Mode (Indoor)
- Auto Changeover
- Auto Restart/Reset
- Low Noise Mode
- Low Ambient Cooling
- Economy Mode
- Auto Mode
- Cold Prevention
- Base Freeze Prevention (All RLS2H)

Fig.	System No.	Model No.	Unit Type	SEER	BTUh		CFM High	Amps Rated	Max. Fuse Size	Conn. Pipe Diameter		Width	Height	Depth	Prod. No.
					Cooling	Heating				Suction	Discharge				
A	9RLS2	ASU9RLS2	Indoor	27.2	9,000	12,000	500	2.7-Clg 3.7-Htg	20	3/8"	1/4"	34-1/4"	11-1/8"	7-1/4"	<b>.232241</b>
B		AOU9RLS2	Outdoor									31-3/32"	24-13/32"	11-13/32"	<b>.232239</b>
A	9RLS2H	ASU9RLS2	Indoor	27.2	9,000	12,000	500	2.7-Clg 3.7-Htg	15	3/8"	1/4"	34-1/4"	11-1/8"	7-1/4"	<b>.232241</b>
C		AOU9RLS2H	Outdoor									31-3/32"	24-1/2"	11-13/32"	<b>.232296</b>
A	12RLS2	ASU12RLS2	Indoor	25.0	12,000	16,000	500	4.0-Clg 5.5-Htg	20	3/8"	1/4"	34-1/4"	11-1/8"	7-1/4"	<b>.232251</b>
B		AOU12RLS2	Outdoor									31-3/32"	24-13/32"	11-13/32"	<b>.232252</b>
A	12RLS2H	ASU12RLS2	Indoor	25.0	12,000	16,000	500	4.0-Clg 5.5-Htg	15	3/8"	1/4"	34-1/4"	11-1/8"	7-1/4"	<b>.232251</b>
C		AOU12RLS2H	Outdoor									31-3/32"	24-1/2"	11-13/32"	<b>.232297</b>
A	15RLS2	ASU15RLS2	Indoor	21.5	14,500	18,000	530	5.5-Clg 6.1-Htg	20	1/2"	1/4"	34-1/4"	11-1/8"	7-1/4"	<b>.232253</b>
B		AOU15RLS2	Outdoor									31-3/32"	24-13/32"	11-13/32"	<b>.232254</b>
A	15RLS2H	ASU15RLS2	Indoor	21.5	14,500	18,000	530	5.5-Clg 6.1-Htg	20	1/2"	1/4"	34-1/4"	11-1/8"	7-1/4"	<b>.232253</b>
C		AOU15RLS2H	Outdoor									31-3/32"	24-1/2"	11-13/32"	<b>.232298</b>

7 Year Compressor & 5 Year Parts Warranty

### Installation Items

Model No.	Description	Use With	Prod. No.
MSA-45	1/4" Male Flare x 1/2" FIP Service Valve	All	<b>.233744</b>
230-B2M	HEF-T-Bracket (Type 2) - Medium - 18"	All	<b>.233733</b>
CVMINI	ClearVue Mini Ductless System Condensate Pump	All	<b>.233746</b>
230-DL16	5/8" ID Mini-Split Drain Line 160' Roll	All	<b>.233771</b>
10703908	Control Wire for Mini-Split 14-4 50' Roll	All	<b>.233987</b>

### Linesets

Description	Use With	Prod. No.
1/4" x 3/8" x 25' x 1/2" Insulation Mini-Split Lineset	9RLS2 - 9RLS2H	<b>.233190</b>
1/4" x 3/8" x 50' x 1/2" Insulation Mini-Split Lineset	12RLS2 - 12RLS2H	<b>.233194</b>
1/4" x 1/2" x 25' x 1/2" Insulation Mini-Split Lineset	15RLS2 - 15RLS2H	<b>.233195</b>
1/4" x 1/2" x 50' x 1/2" Insulation Mini-Split Lineset		<b>.233196</b>

# Ductless Mini-Split Systems



## Ductless Mini-Split Systems

Hybrid Flex Inverter Systems • Single and Multi-Zone • R410A Heat Pumps



Fig. A



Fig. B



Fig. C



Fig. D



Fig. E



Fig. F



Fig. G

### Mix & Match Flexibility

The ability to create the **right** combinations, the **right** quantity (up to 8-zones), the **right** style indoor units, and the **right** capacity.

Fig.	Model No.	Unit Type	SEER	BTUh <sup>+</sup>		CFM High	Amps Rated	Max. Fuse Size	Conn. Pipe Diameter		Width	Height	Depth	Prod. No.
				Cooling	Heating				Suction	Discharge				

#### Wall Mounted Heat Pump Indoor Unit

A	ASU7RLF	Indoor	Up to 17.0*	7,000	8,100	330	0.13	15	3/8"	1/4"	31-1/16"	11-1/16"	8"	.232276
A	ASU9RLF	Indoor	Up to 17.0*	9,000	10,200	353	0.15	15	3/8"	1/4"	31-1/16"	11-1/16"	8"	.232240
A	ASU12RLF	Indoor	Up to 17.0*	12,000	13,500	388	0.19	15	3/8"	1/4"	31-1/16"	11-1/16"	8"	.232250
B	ASU18RLF	Indoor	Up to 17.0*	18,000	20,000	542	0.32	15	1/2"	1/4"	39-1/4"	12-5/8"	9"	.232089
B	ASU24RLF	Indoor	Up to 17.0*	24,000	27,000	659	0.53	15	5/8"	1/4"	39-1/4"	12-5/8"	9"	.232259

#### Compact Cassette Heat Pump Indoor Unit\*

C	AUU9RLF	Indoor	Up to 15.8*	9,000	10,200	318	0.15	15	3/8"	1/4"	22-7/16"	9-11/16"	22-7/16"	.232300
C	AUU12RLF	Indoor	Up to 15.8*	12,000	13,500	359	0.19	15	3/8"	1/4"	22-7/16"	9-11/16"	22-7/16"	.232301
C	AUU18RLF	Indoor	Up to 15.8*	18,000	20,000	441	0.30	15	1/2"	1/4"	22-7/16"	9-11/16"	22-7/16"	.232302

#### Compact Duct Heat Pump Indoor Unit

D	ARU9RLF	Indoor	Up to 15.8*	9,000	10,200	353	0.30	15	3/8"	1/4"	27-9/16"	7-25/32"	24-13/32"	.232304
D	ARU12RLF	Indoor	Up to 15.8*	12,000	13,500	383	0.35	15	3/8"	1/4"	27-9/16"	7-25/32"	24-13/32"	.232306
D	ARU18RLF	Indoor	Up to 15.8*	18,000	20,000	554	0.44	15	1/2"	1/4"	35-7/16"	7-25/32"	24-13/32"	.232090
D	ARU24RLF	Indoor	Up to 15.8*	24,000	27,000	783	0.66	15	5/8"	1/4"	43-5/16"	7-25/32"	24-13/32"	.232307

#### Single-Zone Outdoor Unit

E	AOU18RLXFW	Outdoor	19.2	18,000	21,600	541	6.2	20	5/8"	3/8"	35-3/8"	32-3/4"	13"	.232088
E	AOU24RLXFW	Outdoor	18.0	22,000	27,600	659	7.9	30	5/8"	3/8"	35-3/8"	32-3/4"	13"	.232260

-	AOU18RLFC	Outdoor	20.1	18,000	21,600	471	7.1	20	1/2"	1/4"	31-3/32"	24-1/2"	11-11/32"	.256789
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#### Multi-Zone Outdoor Unit

F	AOU18RLXFZ	Outdoor	Up to 17.0*	18,000	22,000	1,795	10.0	25	3/8"	1/4"	35-7/16"	27-9/16"	13"	.232277
F	AOU24RLXFZ	Outdoor	Up to 17.0*	22,000	24,000	1,942	13.7	25	1/2"+3/8"	1/4"	35-7/16"	27-9/16"	13"	.232278
F	AOU36RLXFZ	Outdoor	Up to 17.0*	35,200	36,400	2,119	20.1	30	1/2"+3/8"	1/4"	35-7/16"	32-11/16"	13"	.232087
G	AOU48RLXFZ1	Outdoor	Up to 17.0*	48,000	54,000	2,737	24.5	40	5/8"	3/8"	38-1/4"	36"	14-5/8"	.232309

7 Year Compressor & 5 Year Parts Warranty

<sup>+</sup> - These are based on 100% capacity and AHRI conditions. <sup>\*</sup> - SEER depends on combination of indoor units selected <sup>\*\*</sup> - Compact Cassette Grille UTG-CCGF sold separately. Must order one with each compact cassette.

# Ductless Mini-Split Systems



## Ductless Mini-Split Systems Accessories

Fig.	Model No.	Description	Prod. No.
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### Compact Cassette Grille

A	UTG-CCGF	Compact Cassette Grille	.232303
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	UTY-XCBXZ1	Interface Kit	.237330
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### HFI Multi-Zone Installation Accessories

C	UTP-PU03A	Primary Branch Box	.232310
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C	UTP-PU03B	Secondary Branch Box	.232311
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D	UTP-SX248A	Separation Tube Assembly Kit	.232314
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E	UTP-PX-A	Branch Box Outdoor Enclosure	.232312
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### Optional Accessories

F	UTY-RSNUM	Simple Remote Controller	.232315
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G	K9FZ1818	18 + 18 Combo Fitting Kit - AOU36RLXFZ	.232317
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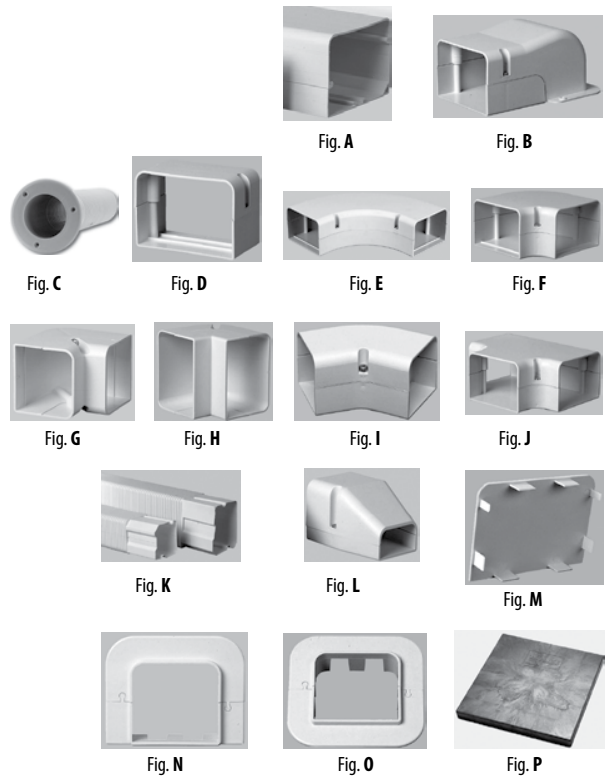
H	UTZ-VXAA	Fresh Air Intake Kit	.232316
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I	UTR-YDZB	Air Outlet Shutter Plate	.232319
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## SpeediChannel System

Fig.	Model No.	Description	Prod. No.
A	230-D4	4" SpeediChannel - 6-1/2" Long	.240702
B	230-WC4	4" Wall Penetration	.240703
C	230-WS2	2-1/2" Wall Sleeve	.240723
D	230-CP4	4" Union Coupling	.240704
E	230-LFB4	4" 90° Long Radius Flat Bend	.221531
F	230-FB4	4" 90° Flat Bend	.240707
G	230-EB4	4" 90° Inside Elbow	.240708
H	230-EIN4	4" 90° Outside Elbow	.240709
I	230-FB454	4" 45° Flat Bend	.240710
J	230-TJ4	4" T-Joint	.240711
K	230-FJ4	4" Flex Joint	.240713
L	230-DE4	4" Duct End	.240714
M	230-DC4	4" Cap	.240715
N	230-FR4	4" Flat Wall Escutcheon	.240718
O	230-WR4	4" Wall Escutcheon	.240719
P	EL1838-3	E-Lite 18 x 38 x 3	.239730



# Geothermal Heat Pumps



12 year warranty on compressor and six years on other parts.

## HT Series – Vertical – 2-Stage Compressor

- HTV Models – Vertical upflow configuration with blower compartment on top and heat pump components located in bottom section
- HTV units are furnished with CuNi coil, hot water generator, stainless steel drain pan, coated air coil, 2-stage compressor and EMC programmable fan motor.



### Vertical Right Hand

Model No.	Ton	Prod. No.
HTV024A1C01JRK <input type="checkbox"/>	2	.1287
HTV036A1C01JRK <input type="checkbox"/>	3	.3515
HTV048A1C01JRK <input type="checkbox"/>	4	.3932
HTV060A1C01JRK <input type="checkbox"/>	5	.4097

### Vertical Left Hand

Model No.	Ton	Prod. No.
HTV024A1C01JLK <input type="checkbox"/>	2	.4497
HTV036A1C01JLK <input type="checkbox"/>	3	.4755
HTV048A1C01JLK <input type="checkbox"/>	4	.5082
HTV060A1C01JLK <input type="checkbox"/>	5	.5743

## HT Series – Split System 2-Stage Compressor

- HTS units are furnished with CuNi coil, hot water generator, stainless steel drain pan and 2-stage compressor.



Model No.	Ton	Prod. No.
HTS024A1C01NNN <input type="checkbox"/>	2	.6027
HTS036A1C01NNN <input type="checkbox"/>	3	.6988
HTS048A1C01NNN <input type="checkbox"/>	4	.7149
HTS060A1C01NNN <input type="checkbox"/>	5	.7377

## Accessories

Loop Pumps - Pressurized (Flow Controller)				
Voltage-208/230-1 • Connection Size-1"				
Model No.	Qty of Pumps	Max GPM @ ft heat	Connection Type	Prod. No.
7602-300 <input type="checkbox"/>	1	20 @ 15	FPT	.7726
7602-301 <input type="checkbox"/>	2	20 @ 30	FPT	.9958

Neoprene Hose Kits - Contains 12' Neoprene Hose, 2-90 MPT x Barbed Connectors w/PT Ports, 2-MPT x Barbed Connectors, 4 Screw Hose Clamps			
Model No.	Connection Size (in.)	Prod. No.	
7602-102 <input type="checkbox"/>	3/4"	.10415	
7602-103 <input type="checkbox"/>	1"	.11902	

## HTV - VERTICAL

Model	Capacity Modulation	Ground Water - BTUH				Ground Loop - BTUH			
		Cooling Water – 59°F		Heating Water – 50°F		Cooling Full Load 77°F – Part Load 68°F		Heating Full Load 32°F – Part Load 41°F	
		BTUH	EER	BTUH	COP	BTUH	EER	BTUH	COP
HTV024	Full	28,800	22.7	25,550	4.4	26,550	17.1	19,750	3.7
	Part	22,100	28.5	18,450	4.7	21,250	24.1	16,450	4.3
HTV036	Full	41,100	21.3	36,550	4.3	38,150	16.9	29,950	3.7
	Part	30,100	29.1	24,650	4.8	28,850	25.0	22,050	4.2
HTV048	Full	54,500	20.9	48,150	4.3	50,550	16.6	37,450	3.7
	Part	40,600	26.5	35,250	4.7	39,550	23.0	31,150	4.2
HTV060	Full	68,500	20.3	59,450	4.1	64,750	16.2	47,950	3.6
	Part	51,800	27.5	41,650	4.4	49,750	23.4	37,450	4.0

## HTS - SPLIT SYSTEM

HTS024	Full	28,600	23.2	25,600	4.7	26,400	18.0	19,500	3.9
	Part	22,000	29.4	19,200	4.6	20,800	24.5	16,600	4.1
HTS036	Full	40,100	21.4	35,900	4.5	37,300	16.7	27,000	3.8
	Part	28,000	27.1	24,400	4.6	27,100	23.7	21,400	4.1
HTS048	Full	53,900	20.9	47,700	4.6	50,200	16.6	37,200	4.0
	Part	38,700	26.8	33,800	4.7	37,000	22.8	29,900	4.2
HTS060	Full	63,800	19.2	58,800	4.3	59,500	15.3	45,700	3.6
	Part	46,000	25.7	42,300	4.4	44,800	22.2	37,500	4.0

– Special Order - Call for lead time

Specifications subject to change without notice.



# PTAC Units



## DIGISMART PTAC

### Packaged Terminal Air Conditioners & Heat Pumps

#### Product Features

- 7-5/8" Unit Front Depth: one of the shallowest silhouettes in the industry today
- Removable Condenser Shroud
- Easy Pull-Out Filters that are washable and easy to maintain
- Filter Dryer for Sealed System Refrigerant
- Condensate Dispersion System
- DigiSmart™ Front Desk Control and energy management software
- Easy to Service with On-Board LED Diagnostics
- Zero Floor Clearance allows unit to be installed flush to a finished floor
- Compressor Lock-In prevents compressor short-cycling
- 7-Button Touch Pad
- Room Freeze Protection
- 30-Second Fan-Off Delay
- Constant Fan Mode
- Remote Temperature Sensing
- Hidden Ventilation Control
- High-Pressure Switch



	PTC Models – Cooling / Electric Heat				PTH Models – Cooling / Heat Pump / Electric Heat			
Model	PTC073E35A	PTC093E35A	PTC123E35A	PTC153E35A	PTH073E35A	PTH093E35A	PTH123E35A	PTH153E35A
Voltage <sup>1</sup>	230 / 208	230 / 208	230 / 208	230 / 208	230 / 208	230 / 208	230 / 208	230 / 208
Capacity (BTU/h)	7,600 / 7,500	8,700 / 8,500	11,500 / 11,200	14,000 / 13,600	7,600 / 7,500	9,000 / 8,900	11,500 / 11,100	14,000 / 13,900
Amps	3.5 / 3.5	4.1 / 4.1	5.6 / 5.6	7.0 / 7.0	3.5 / 3.5	4.1 / 4.1	5.6 / 5.6	7.0 / 7.0
Watts	650 / 630	775 / 725	1095 / 1075	1415 / 1375	650 / 620	770 / 765	1095 / 1065	1460 / 1465
EER	11.7 / 11.9	11.2 / 11.7	10.5 / 10.4	9.9 / 9.9	11.7 / 12.1	11.7 / 11.6	10.5 / 10.4	9.6 / 9.5

#### UNIT WITHOUT ELECTRIC HEATER

Min. Circuit Amps <sup>2</sup>	4.2	5.0	6.8	8.5	4.2	5.0	6.8	8.5
CFM (Cool/Wet Coil)	High	290	290	290	340	290	290	340
	Low	264	264	264	314	264	264	314
CFM (Dry Coil)	High	310	310	310	360	310	310	360
	Low	282	282	282	332	282	282	332
Dehumidification (Pints/Hr.)	1.7	2.2	3.6	4.4	1.7	2.2	3.6	4.4

#### PTC / PTH Models – Electric Heat Performance

Voltage	Electric Heat (kW)	No. of Stages	Nominal Heating (BTU/h)		Total Watts <sup>3</sup>	Total Amps	Min. Circuit Ampacity	Power Cord
			@ 230V	@ 208V				
230/208V	3.5	1	12,000	9,900	3,570 / 2,935	15.5 / 14.1	19.4	6-20 P

#### NOTES:

- Minimum voltage on 230/208-volt models is 197 volts; maximum is 253 volts.
- Overcurrent protection for units without electric heaters is 15 amps.
- Total watts for 12,000 and 15,000 BTU/h models; subtract 70 watts for PT07/09\*\*E\*\*A\*.

#### Units

Model No.		Prod. No.
PTC073E35A	Cooling / Electric Heat	.14216
PTC093E35A	Cooling / Electric Heat	.14442
PTC123E35A	Cooling / Electric Heat	.14756
PTC153G35A	Cooling / Electric Heat	.15245
PTH073E35A	Cooling / Heat Pump / Electric Heat	.15841
PTH093E35A	Cooling / Heat Pump / Electric Heat	.16078
PTH123E35A	Cooling / Heat Pump / Electric Heat	.16994
PTH153E35A	Cooling / Heat Pump / Electric Heat	.17765

All units include 3.5 kW heat installed

#### Accessories

##### Wall Sleeve



- 14-1/8" D x 42" W x 16-1/16" H

Model No. WS900E \_\_\_\_\_ Prod. No. .18307

##### Stamped Aluminum Grille



- Mill finish

Model No. SGK01B \_\_\_\_\_ Prod. No. .19369

##### Electric Heat Kit - 3.5 kW

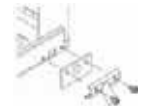
##### PTAC Control Board



- Includes: Transformer, Thermistors, Escutcheon Plate

Model No. RSKP0009 \_\_\_\_\_ Prod. No. .128557

##### Condensate Drain Kit



Model No. DK900D \_\_\_\_\_ Prod. No. .41352

Model No. 22312903 \_\_\_\_\_ Prod. No. .159308

# Unit Heaters



## UNIT HEATERS

### Compact



**Residential unit heater:**

For garages and small greenhouses

- Low profile and one inch top clearance
- Power vented
- Direct spark ignition
- 2-year warranty on parts
- 10-year warranty on heat exchanger

Model No.	Prod. No.
FSAN30	.112144
FSAN45	.112567
FSAN60	.112348
FSAN75	.112783
<b>LP Kit - Used on all FSAN Models</b>	
LB-69845P	.114388

FSA Model Size Gas Input (MBTUH)	30	45	60	75	
Thermal efficiency (%)	81		80		
Air volume (CFM)	536	750	830	950	
Air throw at 8 foot mounting height (ft)	25	25	40	40	
Temperature rise (F°)	42	45	55	60	
Recommended mounting height* (ft)	10	10	12	12	
Number of propeller fans	1				
**Flue connection size (in)	3	3	4	4	
Gas connection size NPT (in)	1/2				
Shipping weight (lbs)	60	63	87	91	
Fan motor data	Horsepower	1/20	1/20	1/8	1/8
	AMPS @ 115V / 1 PH. / 60 Hz	1.7	1.7	4.1	4.1
	RPM	1,650	1,650	1,075	1,075
Depth (in)	18-1/2				
Width (in)	25				
Height (in)	12		17		

\*To bottom of unit - \*\*Diameter of round pipe - adaptor furnished with heater

**Recommended Sizing Guide**

Unit	Application
FSA30	1 to 1.5 car garage
FSA45	2 to 2.5 car garage
FSA75	Uninsulated or larger detached garage

FSA Mounting Clearance (in)	
Top	1
Bottom	0
Access Side	18
Side	1
Back	18

### High Efficiency



**Commercial unit heater:**

For commercial and warehouses

- Tubular heat exchanger
- Power vented
- Direct spark ignition
- 2-year warranty on parts
- 10-year warranty on heat exchanger

Model No.	Prod. No.
SEP115	.103643
SEP145	.106337
SEP175	.107810
SEP200	.108551
SEP250	.104286
SEP300	.27136
SEP400	.111937
<b>LP Kit - For SEP115, SEP145 &amp; SEP175</b>	
LB-69845G	.114227

SEP Model Size (MBTUH)	115	145	175	200	250	300	400
Output: Natural Gas (MBTUH)	92.0	116.0	138.0	156.0	201.3	241.5	312.0
Air volume (CFM)	1,900		2,200		4,400		
Air throw at 8' mounting height (ft)	60		65		80		
Maximum mounting height (ft)	16	20			30		
Shipping weight (lbs)	140	150	165	175	285	305	315
Flue connection size* (in)	4		5			6	
Gas connection size NPT (in)	1/2				3/4		
Depth (in)	31-5/16						
Width (in)	20-3/16		23-1/8		41-1/8		
Height (in)	32-3/16						

\*Diameter of round pipe - adaptor furnished with heater

SEP Mounting Clearance (in)			
Top	Bottom	Side	Back
6	0	6	18

### NOTES

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# Zone Systems



## ULTRA-ZONE SYSTEMS – FORCED AIR ZONE CONTROLS

ZONE PANEL COMPARISON	NCM-300	BMPlus 3000	BMPlus 5000	UZC-4
Number of Zones	[3] Zone Panel - non-expandable	[3] Zone Panel - expands to [7]	[5] Zone Panel - expands to [7]	[4] Zone Panel - expands to [20]
Stages of Heat	Two	Two	Two	Four
Stages of Cooling	One	Two	Two	Two
Supply Air Sensor	Included	Included	Included	Included
Heat Pump Compatible	Yes	Yes	Yes	Yes
Conventional T-Stat	Yes - All Zones	Yes - All Zones	Yes - All Zones	Yes - All Zones
Heat Pump T-Stat	Compatible - Any Zone	Compatible - Any Zone	Compatible - Any Zone	Compatible - Any Zone
Multi-Stage T-Stat	Not Compatible	Not Compatible	Not Compatible	Compatible - Any Zone
Auto-Changeover T-Stat	Compatible - Any Zone	Compatible - Any Zone	Compatible - Any Zone	Compatible - Any Zone
Second Stage - Timer	Yes - Adjustable (7-42 min)	Yes - Adjustable (5-47 min)	Yes - Adjustable (5-47 min)	Yes - Adjustable (7-42 min)
Second Stage - OAS	No	Yes	Yes	Yes
Second Stage - 50% Rule	No	Yes	Yes	Yes
Status - System - Damper LEDs	Yes	Yes	Yes	Yes
Thermal Circuit Breaker	Yes	Yes	Yes	Yes
Watch Dog Circuit	Yes	Yes	Yes	Yes
Short Cycle Timer	Yes (2 minutes)	Yes (3 minutes)	Yes (3minutes)	Yes (3 minutes)
Minimum Run Timer	Yes (2 minutes)	No	No	No
Changeover Timer	Yes (4 minutes)	Yes (4 minutes)	Yes (4 minutes)	Yes (4 minutes)
Opposite Mode Timer	Yes (20 minutes)	Yes (20 minutes)	Yes (20 minutes)	Yes (20 minutes)
Supply Air Timer	Yes (3 minutes)	Yes (3 minutes)	Yes (3 minutes)	Yes (3 minutes)

### Zone Control System – NCM

- Single stage dual fuel and heat pump compatible
  - Computer Watchdog Circuit
  - Automatic changeover from any zone
  - Fan control from any zone
  - 2 minute minimum RUN and OFF timer
  - Controls up to 3 zones
  - LED displays for complete system readout
  - Supply air sensor to protect equipment
  - Adjustable time for 2nd stage of heating
  - Adjustable purge time
  - One zone feature
  - Compatible with virtually any 4-wire thermostat.
- 2-stage heat pump thermostats can be used if staging by temperature is desired.



Model No.	Prod. No.
NCM-300	.797

### Zone Control System – BMPlus

- Dual fuel kits not required
- Automatic changeover from any zone
- Fan control from any zone
- One zone mode
- Computer watchdog circuit to insure operation
- Supply air sensor included
- Optional outdoor air sensor
- 50% rule



Model No.	Prod. No.
BMPlus3000 - 3 Zones	.2345
BMPlus5000 - 5 Zones	.2827

### Universal Zone Control System – UZC4

- 4 stage heat and 2 stage cool
- Computer Watchdog Circuit
- Auto-changeover and fan control from any zone
- Adjustable heating and cooling limits to protect equipment
- Controls up to 20 zones
- LED display for complete diagnostic system readout
- Damper motor power isolation
- The staging timer sets the amount of continuous and cumulative call time for 2nd, 3rd and 4th stage heat
- Includes demand based ventilation, fire alarm interlock, auxiliary or dehumidify interface relay, electronic bypass damper support, return air monitoring feature
- Compatible with most off-the-shelf 1 or 2 stage heat/cool or heat pump thermostats. All mechanical, digital/ electronic, dual mode and internet compatible thermostats that operate on 24vac



Model No.	Prod. No.
UZC-4	.3295



## ULTRA-ZONE SYSTEMS – FORCED AIR ZONE CONTROLS

### Motorized Dampers

- Round
- Power open / Power closed



Size 6" \_\_\_\_\_ Prod. No. **.22452**

- Side Mount
- Power open / Power closed



*Motor is always mounted on second dimension specified.*

Size	Prod. No.
10" x 8" _____	<b>.6750</b>
12" x 8" _____	<b>.7447</b>
14" x 8" _____	<b>.8510</b>
16" x 8" _____	<b>.9841</b>
18" x 8" _____	<b>.10156</b>
20" x 8" _____	<b>.10488</b>
22" x 8" _____	<b>.10718</b>
24" x 8" _____	<b>.60088</b>

- Bottom Mount
- Power open / Power closed

Size	Prod. No.
8" x 8" _____	<b>.153506</b>
8" x 10" _____	<b>.12341</b>
8" x 12" _____	<b>.12839</b>
8" x 14" _____	<b>.13549</b>
8" x 16" _____	<b>.15630</b>
8" x 18" _____	<b>.17647</b>
8" x 20" _____	<b>.18448</b>
8" x 24" _____	<b>.100953</b>

### Static Pressure Control Bypass Dampers

- EBD



Size	Prod. No.
10" _____	<b>.25901</b>
12" _____	<b>.26268</b>
14" _____	<b>.26512</b>

- PRD-RD
- Pressure regulating damper is a single blade, round variation of a barometric relief damper



Size	Prod. No.
8" _____	<b>.106831</b>
10" _____	<b>.23259</b>
12" _____	<b>.24288</b>
14" _____	<b>.24854</b>
16" _____	<b>.25485</b>

### Bypass Dampers and their CFM Capacity

• Rectangular	
12" x 8" PRD.....	1,000 CFM
12" x 10" PRD.....	1,200 CFM
12" x 12" PRD.....	1,400 CFM
20" x 8" PRD.....	1,600 CFM
20" x 10" PRD.....	2,000 CFM
20" x 12" PRD.....	3,000 CFM

• Round	
8" PRD-RD.....	400 CFM
10" PRD-RD.....	750 CFM
12" PRD-RD.....	1,200 CFM
14" PRD-RD.....	1,800 CFM
16" PRD-RD.....	2,400 CFM

\*CFM amounts calculated a .3" w.c.

### Supply Air Sensor



Model No.	Prod. No.
SAS _____	<b>.4055</b>

### Slip-In-Damper

- Retrofit Damper
- The 1.5VA actuator allows up to 20 SID's on one EWC Controls zone panel with 40VA transformer.



Model No.	Prod. No.
SID – 6" _____	<b>.23051</b>

### Transformer

- Plate mounted 24V 40VA transformers for use with ULTRA-ZONE dampers and control systems



Model No.	Prod. No.
T40-VA _____	<b>.4873</b>

### Motor Replacement Kit



- Used for all styles of ND - URD and RDN dampers. Kit comes complete with all necessary brackets and screws

Model No.	Prod. No.
MRK _____	<b>.5747</b>

## Capitol is your "One Call Source"