



SPLIT SYSTEMS



Air Handling Unit



Condensing Section

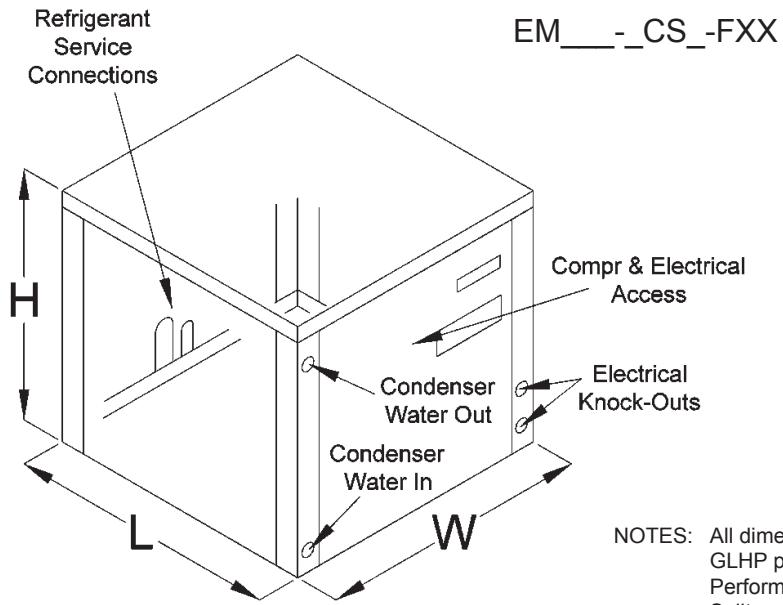


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 601 N.W. 65th Court
 Fort Lauderdale, FL 33309
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 Fax: (800) 776-5529
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EM007-070 Series Split Systems

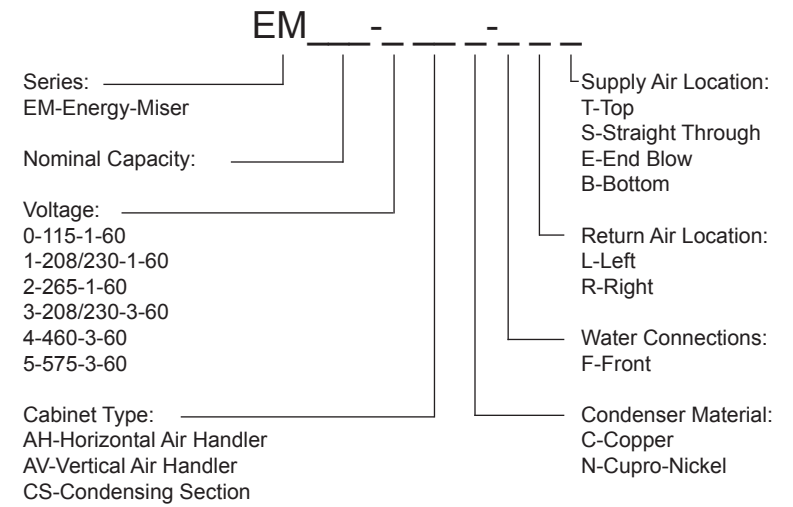
Condensing Sections

MODEL	Dimensions				ISO 13256-1 Certified Performance								GLHP Ratings See Note	GPM
	L	W	H	Water Conn.	WLHP Cooling		WLHP Heating		GWHP Cooling		GWHP Heating			
	Length	Width	Height		Capacity	EER	Capacity	COP	Capacity	EER	Capacity	COP		
EM007	19.00	19.00	11.25	3/4" FPT	7200	12.1	9800	4.6	8400	17.0	7400	3.7		2.0
EM009	19.00	19.00	11.25	3/4" FPT	9600	11.8	12600	4.5	11200	16.8	9600	3.6		3.0
EM012	19.00	19.00	11.25	3/4" FPT	11300	11.0	14200	3.8	12700	15.4	10800	3.1		3.0
EM015	21.50	21.50	17.00	3/4" FPT	14200	11.3	19600	4.1	16200	16.2	14700	3.3		4.0
EM018	21.50	21.50	17.00	3/4" FPT	17500	12.2	21500	4.3	20500	16.6	17000	3.7		4.5
EM024	21.50	21.50	19.00	3/4" FPT	22500	13.7	28500	4.8	25500	20.5	22500	4.1		6.0
EM028	21.50	21.50	19.00	3/4" FPT	27500	12.8	31500	4.6	31500	18.5	25500	3.9		7.0
EM031	21.50	21.50	19.00	3/4" FPT	31000	13.0	39000	4.1	36000	18.7	30500	3.6		7.5
EM036	26.00	21.50	19.00	3/4" FPT	33500	13.7	39000	4.6	37000	19.6	30500	3.9		9.0
EM041	26.00	21.50	19.00	3/4" FPT	37500	12.3	48000	4.2	40000	15.8	38000	3.7		9.0
EM042	26.00	21.50	19.00	3/4" FPT	40500	12.6	49500	4.2	43000	16.6	39000	3.8		10.0
EM048	32.50	24.00	21.00	1" FPT	47000	12.0	60000	4.5	56500	17.6	48000	3.9		12.0
EM060	32.50	24.00	21.00	1" FPT	59000	12.3	75000	4.4	64000	17.1	59000	3.9		15.0
EM070	33.25	26.00	24.00	1" FPT	66500	12.3	80500	4.5	74500	18.3	64500	3.7		16.0



EM ___ - CS - FXX

EM-Series Split System Model Nomenclature



NOTES: All dimensions within +/- 0.125".
 GLHP performance certified with extended range package installed. See extended range performance table for ratings.
 Performance certified with corresponding EM-Series air handling unit.
 Split systems are not available with hot gas reheat or bypass options. Consult factory for available options.
 Specifications subject to change without notice.



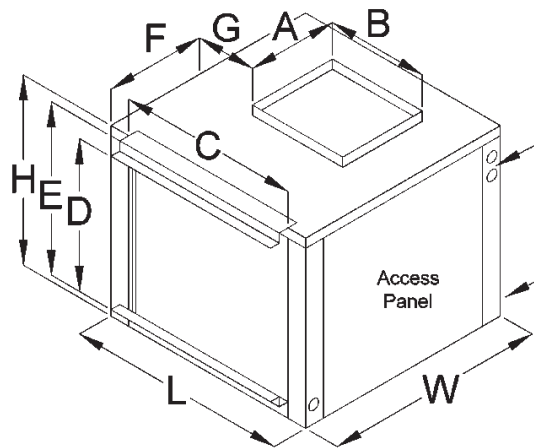
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EM007-070 Series Split Systems

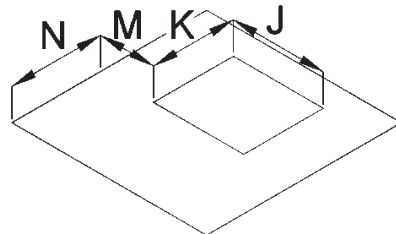
Vertical Air Handlers

MODEL	L	W	H	C	D	E	A	B	G	F	F	J	K	M	N	N	Recommended Replacement Nominal Filter Size
	Length	Width	Height	R/A Duct Flg Width	R/A Duct Flg Height	Filter Rack Height	Top Blow Units (XLT & XRT)					Bottom Blow Units (XLB & XRB)					
				S/A Duct Collar	XLT	XRT	Blower Opening		XLB	XRB							
EM007,009	19.00	19.00	11.50	15.00	8.00	10.00	7.75	11.75	3.50	3.50	8.25	6.25	4.25	6.00	10.25	10.25	10 X 16 X 1
EM012	19.00	19.00	11.50	15.00	8.00	10.00	7.75	11.75	3.63	9.75	3.63	5.25	4.00	7.00	12.38	7.75	10 X 16 X 1
EM015	21.50	21.50	17.50	17.50	14.00	16.00	9.75	11.75	5.88	7.88	7.88	6.25	4.25	6.50	12.00	12.00	16 X 20 X 1
EM018	21.50	21.50	17.50	17.50	14.00	16.00	11.75	13.75	2.50	6.75	6.75	9.63	9.25	8.13	8.00	8.00	16 X 20 X 1
EM024	21.50	21.50	19.50	17.50	16.00	18.00	11.75	13.75	2.50	6.75	6.75	9.63	9.25	8.13	8.00	8.00	18 X 20 X 1
EM028, 031	21.50	21.50	21.50	17.50	18.00	20.00	13.75	15.75	2.75	5.75	5.75	9.63	9.25	8.13	7.50	8.00	20 X 20 X 1
EM036	26.00	21.50	25.00	22.00	22.00	24.00	15.75	15.75	4.50	5.50	4.75	10.25	9.25	7.50	8.75	8.00	24 X 24 X 1
EM041	21.50	21.50	21.50	17.50	18.00	20.00	13.75	15.75	2.75	5.50	6.75	10.25	9.25	7.25	7.75	7.75	20 X 20 X 1
EM042	26.00	21.50	25.00	22.00	22.00	24.00	15.75	15.75	4.50	5.50	4.75	10.25	9.25	10.00	8.75	8.00	24 X 24 X 1
EM048	32.50	24.00	25.25	28.00	22.00	24.00	15.75	15.75	10.50	6.50	3.75	11.75	10.75	9.25	9.00	9.00	24 X 30 X 1
EM060	32.50	24.00	25.25	28.00	22.00	24.00	17.75	17.75	9.75	4.75	6.50	12.50	12.00	9.00	8.00	8.00	24 X 30 X 1
EM070	33.25	26.00	33.25	28.00	30.00	32.00	17.75	17.75	9.50	6.50	6.50	12.00	12.50	10.63	5.00	5.00	16 X 30 X 1 (2)

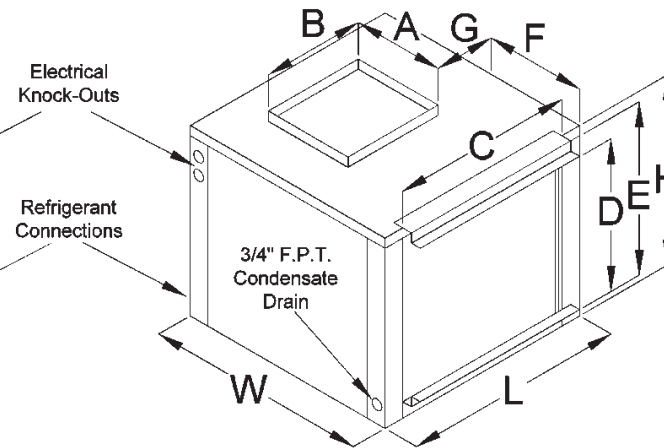
Left Hand Return
 Top Blow
 EM___-AVX-XLT



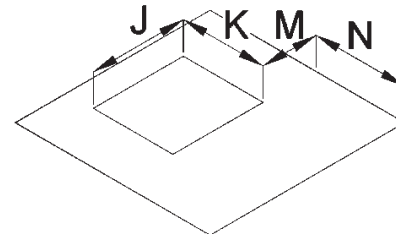
Left Hand Return
 Bottom Blow
 EM___-AVX-XLB



Right Hand Return
 Top Blow
 EM___-AVX-XRT



Right Hand Return
 Bottom Blow
 EM___-AVX-XRB



NOTES: All dimensions within +/- 0.125".
 Not available with hot gas reheat or bypass options. Consult factory for available options.
 Specifications subject to change without notice.



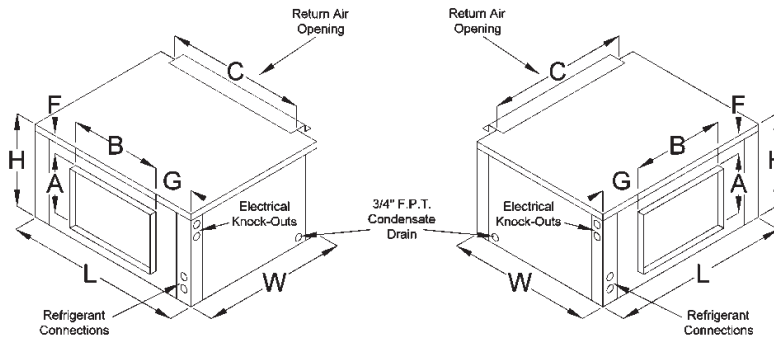
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EM007-070 Series Split Systems

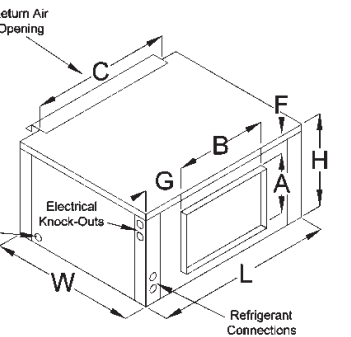
Horizontal Air Handlers

MODEL	L	W	H	A	B	C	D	E	F	G	F	G	F	G	F	G	Recommended Replacement Nominal Filter Size
	Length	Width	Height	S/A Duct Height	S/A Duct Width	R/A Duct Flg Width	R/A Duct Flg Height	Filter Rack Height	Left Rtn, End Blow (XLE)		Right Rtn, End Blow (XRE)		Left Rtn, Str Through (XLS)		Right Rtn, Str Through (XRS)		
EM007, 009	19.00	19.00	11.25	7.75	11.75	15.00	8.00	10.00	1.25	5.00	1.88	5.00	1.50	2.50	1.88	2.25	10 X 16 X 1
EM012	19.00	19.00	11.25	7.75	11.75	15.00	8.00	10.00	2.25	2.50	1.25	4.75	1.25	2.75	1.88	2.25	10 X 16 X 1
EM015	21.50	21.50	17.00	9.75	11.75	17.50	14.00	16.00	5.00	5.75	1.88	5.75	2.00	2.25	1.88	2.25	16 X 20 X 1
EM018	21.50	21.50	17.00	13.75	11.75	17.50	14.00	16.00	2.00	6.25	1.13	6.25	2.00	4.00	1.13	4.00	16 X 20 X 1
EM024	21.50	21.50	19.00	13.75	11.75	17.50	16.00	18.00	3.50	5.75	1.13	6.25	1.50	4.00	1.50	4.00	18 X 20 X 1
EM028	23.50	22.00	19.00	13.75	13.75	19.50	16.00	18.00	0.75	5.50	1.63	5.50	0.75	5.75	1.63	5.75	18 X 20 X 1
EM031	23.50	22.00	19.00	15.75	13.75	19.50	16.00	18.00	1.00	5.88	1.75	5.88	1.00	5.75	1.75	4.00	18 X 20 X 1
EM036	33.00	22.00	19.00	15.75	15.75	29.00	16.00	18.00	2.25	4.25	2.25	4.25	1.00	8.75	1.25	8.75	18 X 30 X 1
EM041	21.50	21.50	21.50	15.75	13.75	17.50	18.00	20.00	2.00	5.00	3.00	3.88	2.50	2.75	2.00	2.75	20 X 20 X 1
EM042	33.00	22.00	19.00	15.75	15.75	29.00	16.00	18.00	1.00	3.75	1.25	3.75	1.00	8.75	1.25	8.75	18 X 30 X 1
EM048	37.75	24.00	21.00	15.75	15.75	33.75	18.00	20.00	3.25	5.13	1.00	5.13	3.25	10.13	1.00	10.13	18 X 20 X 1 (2)
EM060	37.75	24.00	21.00	17.75	15.75	33.75	18.00	20.00	1.50	5.13	1.50	5.13	1.50	10.13	2.00	10.13	18 X 20 X 1 (2)
EM070	48.00	26.00	21.50	17.75	17.75	44.00	18.50	20.50	1.75	4.13	1.75	4.38	1.50	15.63	1.50	15.63	20 X 24 X 1 (2)

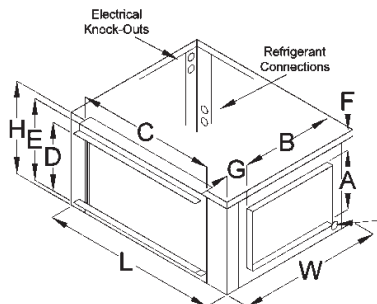
Right Hand Return
 Straight Through
 EM__-__AHX-XRS



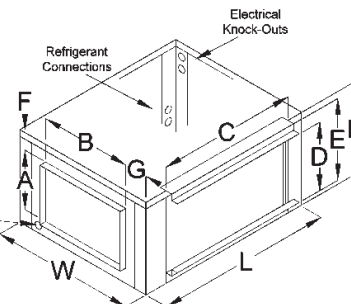
Left Hand Return
 Straight Through
 EM__-__AHX-XLS



Right Hand Return
 End Blow
 EM__-__AHX-XRE



Left Hand Return
 End Blow
 EM__-__AHX-XLE



NOTES: All dimensions within +/- 0.125".
 Not available with hot gas reheat or bypass options.
 Consult factory for available options.
 Specifications subject to change without notice.

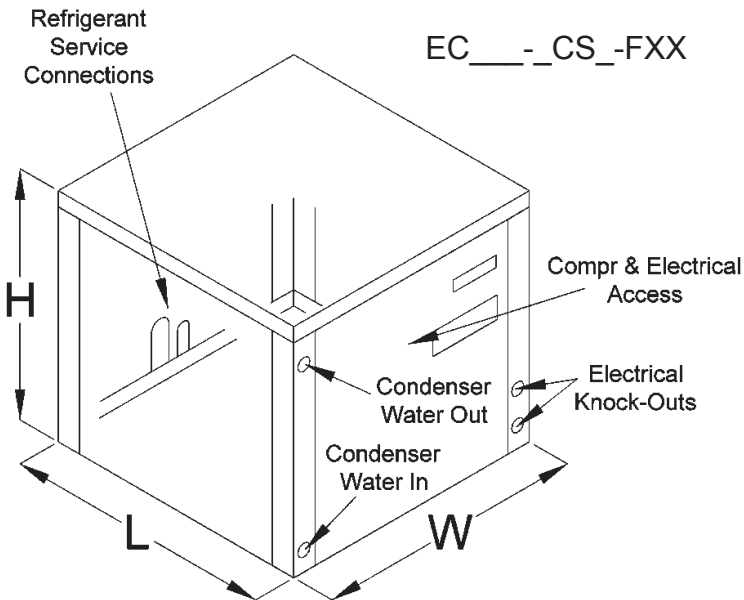


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EC Series Split Systems

Condensing Sections

MODEL	Dimensions				ISO 13256-1 Certified Performance									
	L	W	H	Water	WLHP Cooling		WLHP Heating		GWHP Cooling		GWHP Heating		GLHP Ratings	
	Length	Width	Height	Conn.	Capacity	EER	Capacity	COP	Capacity	EER	Capacity	COP	See Note	GPM
EC018	21.50	21.50	17.00	3/4" FPT	18,000	12.8	23,500	4.3	21,000	18.8	17,600	3.7		5.0
EC024	21.50	21.50	19.00	3/4" FPT	24,500	13.5	29,400	4.4	27,600	20.2	23,300	3.7		6.0
EC030	21.50	21.50	19.00	3/4" FPT	28,500	12.7	34,300	4.2	32,300	18.2	27,800	3.7		7.0
EC036	26.00	21.50	19.00	3/4" FPT	35,300	13.7	45,000	4.4	39,400	19.3	35,500	3.8		9.0
EC041	26.00	21.50	19.00	3/4" FPT	37,000	12.3	48,000	4.2	39,600	15.8	38,200	3.6		9.0
EC042	26.00	21.50	19.00	3/4" FPT	41,000	12.8	52,000	4.2	43,600	18.3	41,200	3.7		10.0
EC048	32.50	24.00	21.00	1" FPT	47,000	13.7	56,800	4.7	56,800	20.2	45,700	4.1		12.0
EC060	32.50	24.00	21.00	1" FPT	61,000	12.9	77,500	4.3	65,700	17.9	60,300	3.8		15.0
EC070	33.25	26.00	24.00	1" FPT	66,500	13.2	78,400	4.4	74,500	19.4	66,600	3.9		16.0

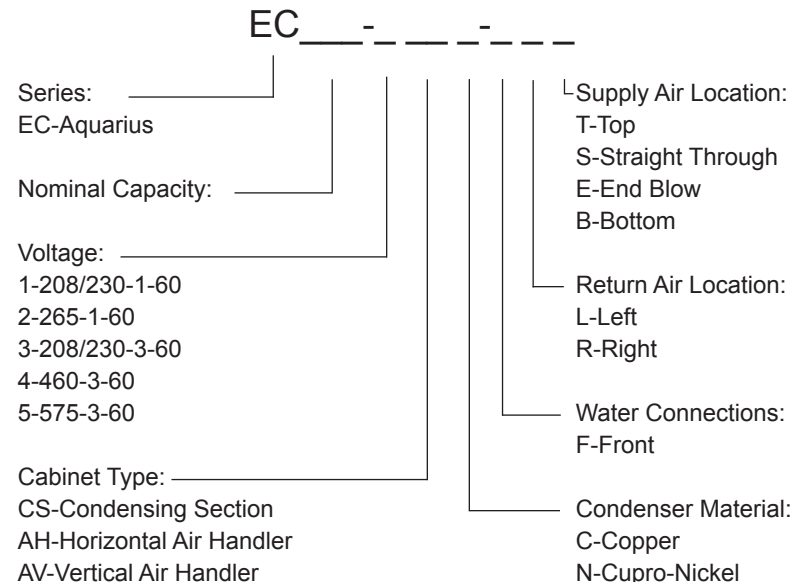


NOTES: All dimensions within +/- 0.125".
 GLHP performance certified with extended range package. See extended range performance for ratings.
 Performance certified with corresponding EC-Series air handling unit.
 Split systems not available with hot gas reheat or bypass.
 Specifications subject to change without notice.

**Refrigerant
R-410A**



EC-Series Split System Model Nomenclature





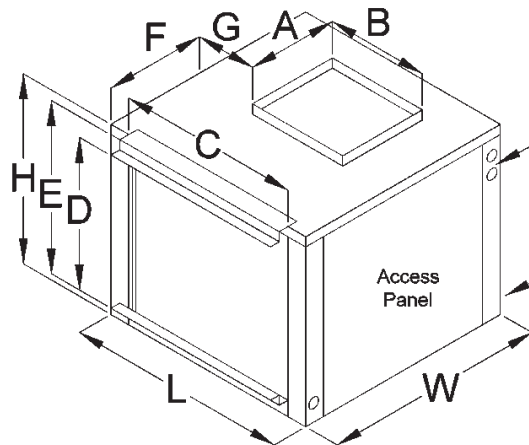
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EC007-070 Series Split Systems

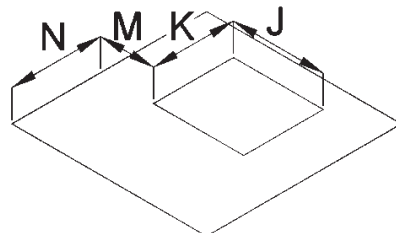
Vertical Air Handlers

MODEL	L	W	H	C	D	E	A	B	G	F	F	J	K	M	N	N	Recommended Replacement Nominal Filter Size
	Length	Width	Height	R/A Duct	R/A Duct	Filter Rack	Top Blow Units (XLT & XRT)					Bottom Blow Units (XLB & XRB)					
				Flg Width	Flg Height	Height	S/A Duct Collar		XLT	XRT	Blower Opening			XLB	XRB		
EC018	21.50	21.50	17.50	17.50	14.00	16.00	11.75	13.75	2.50	6.75	6.75	9.63	9.25	8.13	8.00	8.00	16 X 20 X 1
EC024	21.50	21.50	19.50	17.50	16.00	18.00	11.75	13.75	2.50	6.75	6.75	9.63	9.25	8.13	8.00	8.00	18 X 20 X 1
EC030	21.50	21.50	21.50	17.50	18.00	20.00	13.75	15.75	2.75	5.75	5.75	9.63	9.25	8.13	7.50	8.00	20 X 20 X 1
EC036	26.00	21.50	25.00	22.00	22.00	24.00	15.75	15.75	4.50	5.50	4.75	10.25	9.25	7.50	8.75	8.00	24 X 24 X 1
EC041	21.50	21.50	21.50	17.50	18.00	20.00	13.75	15.75	2.75	5.50	6.75	10.25	9.25	7.25	7.75	7.75	20 X 20 X 1
EC042	26.00	21.50	25.00	22.00	22.00	24.00	15.75	15.75	4.50	5.50	4.75	10.25	9.25	10.00	8.75	8.00	24 X 24 X 1
EC048	32.50	24.00	25.25	28.00	22.00	24.00	15.75	15.75	10.50	6.50	3.75	11.75	10.75	9.25	9.00	9.00	24 X 30 X 1
EC060	32.50	24.00	25.25	28.00	22.00	24.00	17.75	17.75	9.75	4.75	6.50	12.50	12.00	9.00	8.00	8.00	24 X 30 X 1
EC070	33.25	26.00	33.25	28.00	30.00	32.00	17.75	17.75	9.50	6.50	6.50	12.00	12.50	10.63	5.00	5.00	16 X 30 X 1 (2)

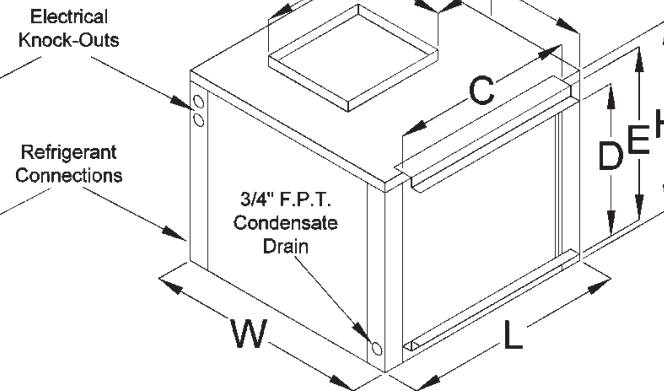
Left Hand Return
 Top Blow
 EC__-__AVX-XLT



Left Hand Return
 Bottom Blow
 EC__-__AVX-XLB

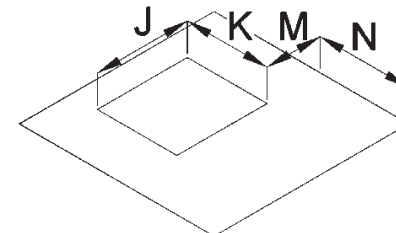


Right Hand Return
 Top Blow
 EC__-__AVX-XRT



Refrigerant R-410A

Right Hand Return
 Bottom Blow
 EC__-__AVX-XRB



NOTES: All dimensions within +/- 0.125".
 Not available with hot gas reheat or bypass options. Consult factory for available options.
 Specifications subject to change without notice.



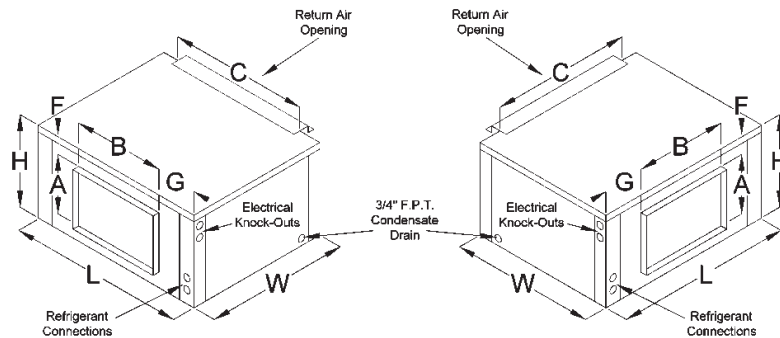
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EC018-070 Series Split Systems

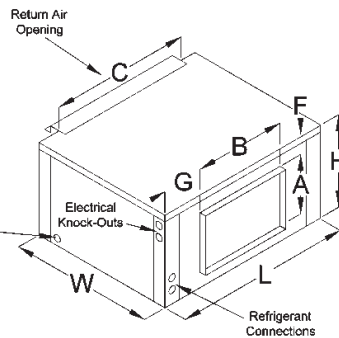
Horizontal Air Handlers

MODEL	L	W	H	A	B	C	D	E	F	G	F	G	F	G	F	G	Recommended Replacement Nominal Filter Size
	Length	Width	Height	S/A Duct Height	S/A Duct Width	R/A Duct Flg Width	R/A Duct Flg Height	Filter Rack Height	Left Rtn, End Blow (XLE)		Right Rtn, End Blow (XRE)		Left Rtn, Str Through (XLS)		Right Rtn, Str Through (XRS)		
EC018	21.50	21.50	17.00	13.75	11.75	17.50	14.00	16.00	2.00	6.25	1.13	6.25	2.00	4.00	1.13	4.00	16 X 20 X 1
EC024	21.50	21.50	19.00	13.75	11.75	17.50	16.00	18.00	3.50	5.75	1.13	6.25	1.50	4.00	1.50	4.00	18 X 20 X 1
EC030	23.50	22.00	19.00	15.75	13.75	19.50	16.00	18.00	1.00	5.88	1.75	5.88	1.00	5.75	1.75	4.00	18 X 20 X 1
EC036	33.00	22.00	19.00	15.75	15.75	29.00	16.00	18.00	2.25	4.25	2.25	4.25	1.00	8.75	1.25	8.75	18 X 30 X 1
EC041	21.50	21.50	21.50	15.75	13.75	17.50	18.00	20.00	2.00	5.00	3.00	3.88	2.50	2.75	2.00	2.75	20 X 20 X 1
EC042	33.00	22.00	19.00	15.75	15.75	29.00	16.00	18.00	1.00	3.75	1.25	3.75	1.00	8.75	1.25	8.75	18 X 30 X 1
EC048	37.75	24.00	21.00	15.75	15.75	33.75	18.00	20.00	3.25	5.13	1.00	5.13	3.25	10.13	1.00	10.13	18 X 20 X 1 (2)
EC060	37.75	24.00	21.00	17.75	15.75	33.75	18.00	20.00	1.50	5.13	1.50	5.13	1.50	10.13	2.00	10.13	18 X 20 X 1 (2)
EC070	48.00	26.00	21.50	17.75	17.75	44.00	18.50	20.50	1.75	4.13	1.75	4.38	1.50	15.63	1.50	15.63	20 X 24 X 1 (2)

Right Hand Return
Straight Through
EC__-__AHX-XRS

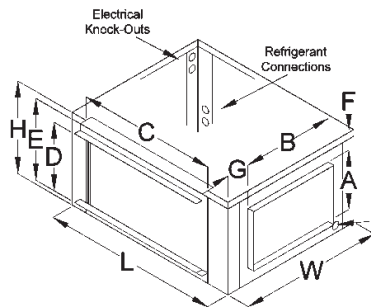


Left Hand Return
Straight Through
EC__-__AHX-XLS

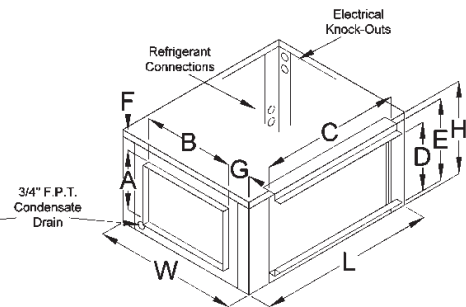


**Refrigerant
R-410A**

Right Hand Return
End Blow
EC__-__AHX-XRE



Left Hand Return
End Blow
EC__-__AHX-XLE



NOTES: All dimensions within +/- 0.125".
 Not available with hot gas reheat or bypass options.
 Consult factory for available options.
 Specifications subject to change without notice.

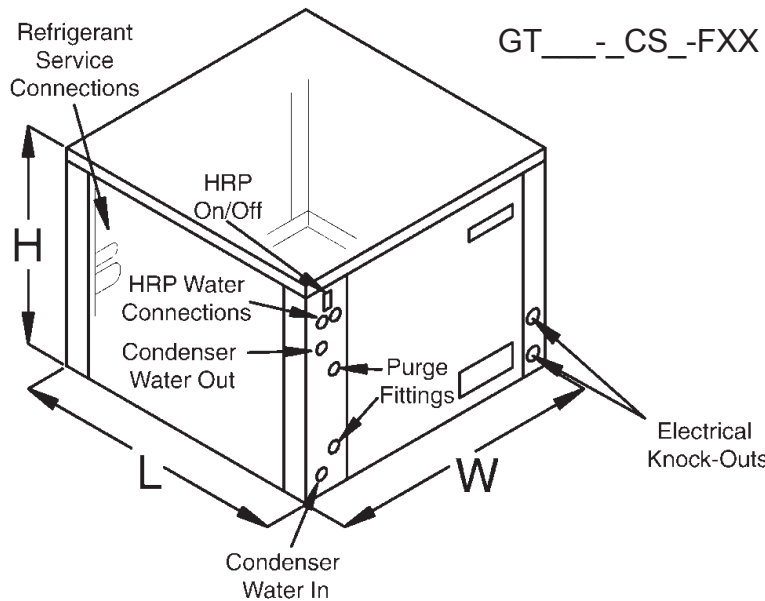


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GT Series Split Systems

Condensing Sections

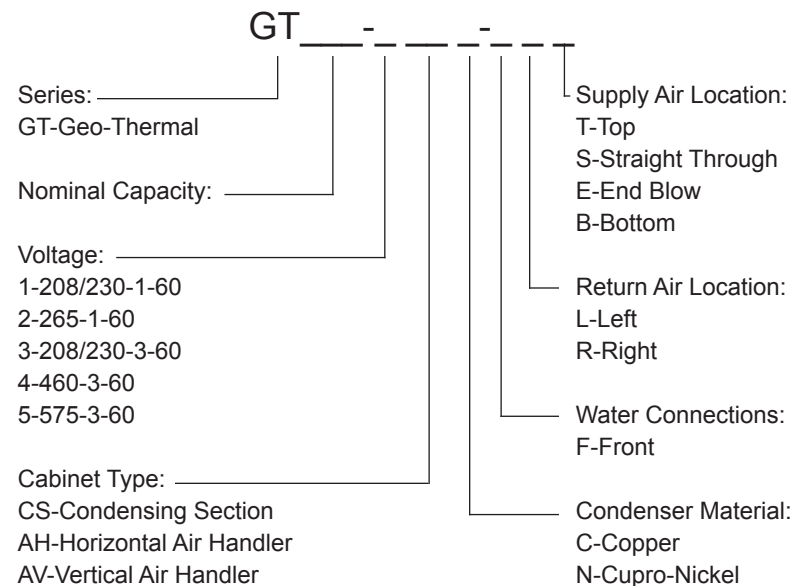
MODEL	Dimensions				ISO 13256-1 Certified Performance												GPM
	L Length	W Width	H Height	Water Conn.	WLHP Cooling		WLHP Heating		GWHP Cooling		GWHP Heating		GLHP Cooling		GLHP Heating		
					Capacity	EER	Capacity	COP	Capacity	EER	Capacity	COP	Capacity	EER	Capacity	COP	
GT024	21.50	21.50	21.75	3/4" FPT	22,000	13.5	25,500	4.2	25,300	20.2	21,500	3.9	23,500	15.7	16,200	3.1	5
GT030	26.00	21.50	21.75	3/4" FPT	27,500	15.7	32,500	5.6	29,400	23.5	25,500	4.6	28,400	18.1	18,600	3.9	7.5
GT036	26.00	21.50	21.75	3/4" FPT	33,400	14.3	39,500	5.0	37,000	21.1	31,800	4.3	34,300	16.7	24,000	3.4	9
GT042	32.75	24.00	21.75	3/4" FPT	38,800	14.5	47,500	5.2	43,100	20.8	38,200	4.4	40,200	16.3	29,400	3.6	9
GT048	32.75	24.00	21.75	1" FPT	46,000	13.5	56,800	4.9	51,000	19.7	46,000	4.1	48,000	15.5	35,800	3.4	12
GT054	33.25	26.00	21.75	1" FPT	50,000	13.0	60,800	4.3	55,800	18.4	51,000	3.9	51,000	14.3	40,200	3.3	14
GT062	33.25	26.00	21.75	1" FPT	58,800	12.3	75,500	4.4	63,700	17.2	58,800	3.9	59,300	13.7	47,000	3.1	15
GT070	33.25	26.00	21.75	1" FPT	66,500	12.3	80,500	4.5	74,500	18.3	64,500	3.7	67,600	13.6	52,000	3.3	16



NOTES: All dimensions within +/- 0.125".
 Performance certified with corresponding GT-Series air handling unit.
 Split systems not available with hot gas reheat or bypass.
 Consult factory for available options.
 Specifications subject to change without notice.



GT-Series Split System Model Nomenclature



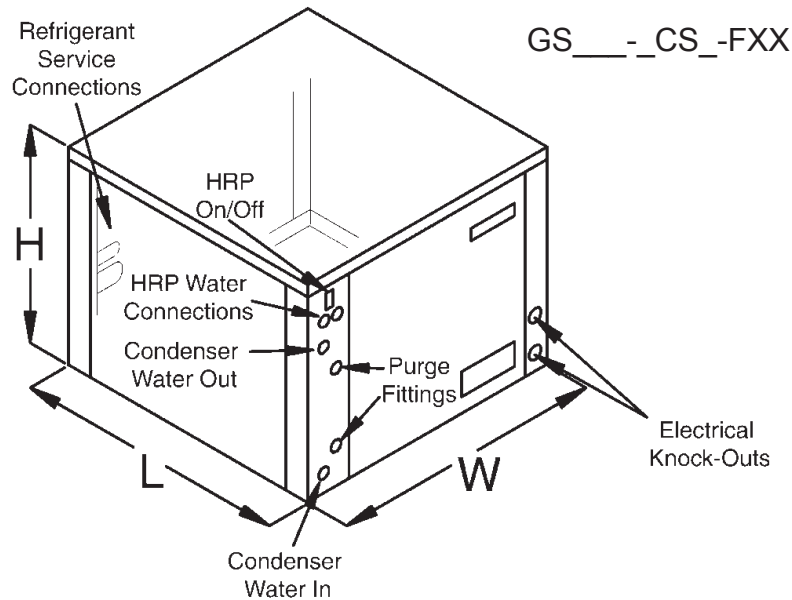


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GS Series Split Systems

Condensing Sections

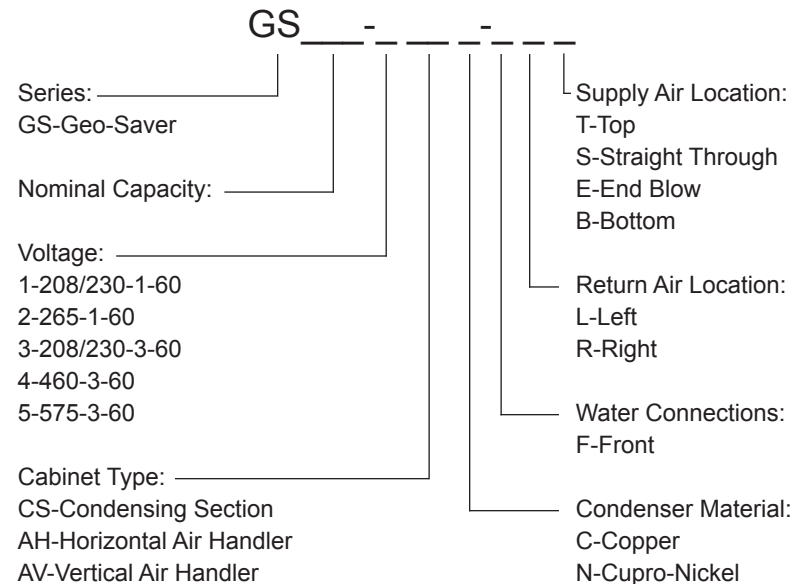
MODEL	Dimensions				ISO 13256-1 Certified Performance												GPM
	L	W	H	Water Conn.	WLHP Cooling		WLHP Heating		GWHP Cooling		GWHP Heating		GLHP Cooling		GLHP Heating		
	Length	Width	Height		Capacity	EER	Capacity	COP	Capacity	EER	Capacity	COP	Capacity	EER	Capacity	COP	
GS024	21.50	21.50	21.75	3/4" FPT	23000	14.6	28000	4.7	26000	22.1	22500	3.8	24000	16.3	18000	3.6	6
GS030	26.00	21.50	21.75	3/4" FPT	27500	17.2	32500	5.8	29500	25.4	25500	4.6	28500	20.3	18500	4.0	7.5
GS036	26.00	21.50	21.75	3/4" FPT	33500	15.2	39500	5.2	37000	22.3	31500	4.3	34000	18.3	24000	3.6	9
GS042	32.75	24.00	21.75	3/4" FPT	39000	15.4	47500	5.4	43000	22.3	38000	3.7	40000	17.5	29500	3.7	9
GS048	32.75	24.00	21.75	1" FPT	46000	14.2	57000	5.0	51000	20.7	46000	3.6	48000	16.3	35500	3.3	12
GS054	33.25	26.00	21.75	1" FPT	50000	13.7	60000	4.4	56000	19.4	51000	3.6	51000	15.1	40000	3.4	14
GS062	33.25	26.00	21.75	1" FPT	59000	13.0	75500	4.5	63500	17.9	59000	3.6	59500	14.3	47000	3.3	15
GS070	33.25	26.00	21.75	1" FPT	67000	12.7	80500	4.6	74500	18.8	59000	3.6	67500	14.1	52000	3.4	18



NOTES: All dimensions within +/- 0.125".
 Performance certified with corresponding GS-Series air handling unit.
 Split systems not available with hot gas reheat or bypass.
 Consult factory for available options.
 Specifications subject to change without notice.



GS-Series Split System Model Nomenclature





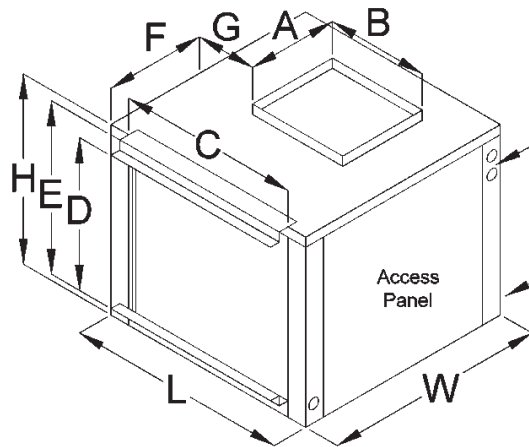
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GT/GS Series Split Systems

Vertical Air Handlers

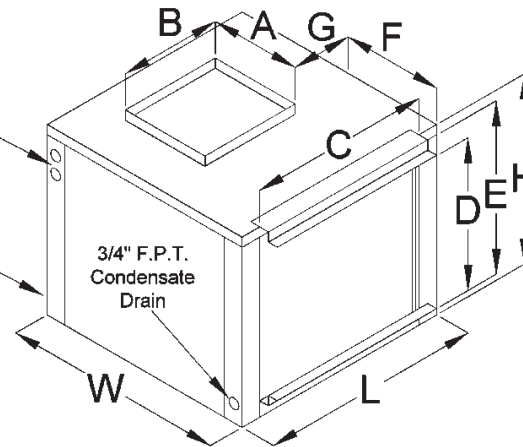
MODEL	L	W	H	C	D	E	A	B	G	F	F	J	K	M	N	N	Recommended Replacement Nominal Filter Size
	Length	Width	Height	R/A Duct	R/A Duct	Filter Rack	Top Blow Units (XLT & XRT)					Bottom Blow Units (XLB & XRB)					
				Flg Width	Flg Height	Height	S/A Duct Collar		XLT	XRT	Blower Opening		XLB	XRB			
GT/GS024	21.50	21.50	19.25	17.50	16.00	18.00	13.75	11.75	3.75	7.00	4.13	9.25	9.63	5.00	5.13	10.13	18 X 20 X 1
GT/GS030,036	26.00	21.50	25.75	22.00	22.00	24.00	15.75	13.75	6.13	5.25	4.00	9.25	10.25	8.38	5.00	9.75	24 X 24 X 1
GT/GS042	32.75	24.00	25.75	28.00	22.00	24.00	15.75	15.75	8.38	4.75	3.50	9.25	10.25	11.63	4.50	9.25	24 X 30 X 1
GT/GS048	32.75	24.00	25.75	28.00	22.00	24.00	15.75	15.75	8.38	5.50	3.50	10.75	11.50	10.88	4.50	8.75	24 X 30 X 1
GT/GS054	33.25	26.00	27.75	28.00	22.00	24.00	17.75	17.75	7.75	4.25	4.00	10.75	11.50	11.25	5.00	9.50	24 X 30 X 1
GT/GS062	33.25	26.00	27.75	28.00	22.00	24.00	17.75	17.75	8.37	6.25	4.00	12.00	12.50	10.63	5.00	10.50	24 X 30 X 1
GT/GS070	33.25	26.00	35.75	28.00	30.00	32.00	17.75	17.75	8.37	6.25	4.00	12.00	12.50	10.63	5.00	10.50	16 X 30 X 1 (2)

Left Hand Return
 Top Blow
 GT/GS___-AVX-XLT

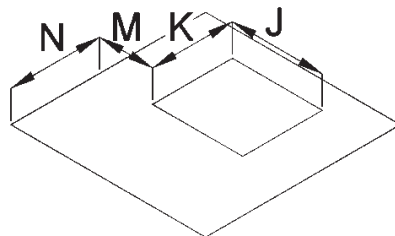


Electrical Knock-Outs
 Refrigerant Connections

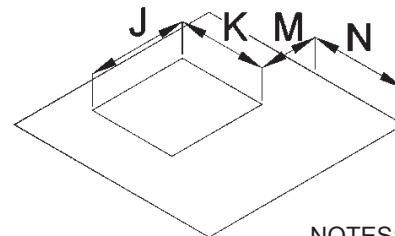
Right Hand Return
 Top Blow
 GT/GS___-AVX-XRT



Left Hand Return
 Bottom Blow
 GT/GS___-AVX-XLB



Right Hand Return
 Bottom Blow
 GT/GS___-AVX-XRB



NOTES: All dimensions within +/- 0.125".
 Not available with hot gas reheat or bypass.
 Consult factory for available options.
 Internal electric heat available on 208/230-1-60 units.
 GS Air Handlers have ECM motors.
 Specifications subject to change without notice.



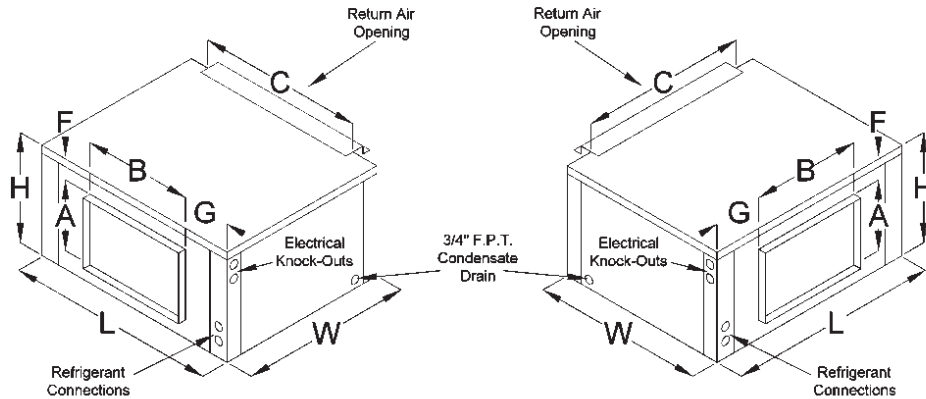
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GT/GS Series Split Systems

Horizontal Air Handlers

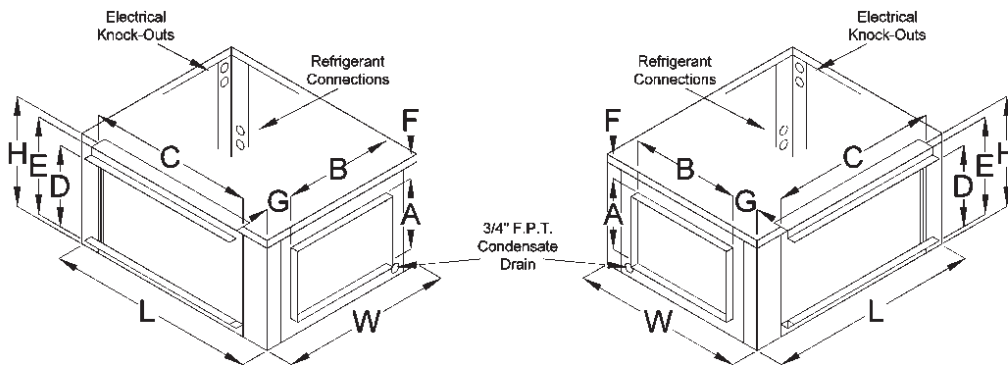
MODEL	L	W	H	A	B	C	D	E	F	G	F	G	F	G	F	G	Recommended Replacement Nominal Filter Size
	Length	Width	Height	S/A Duct Height	S/A Duct Width	R/A Duct Flg Width	R/A Duct Flg Height	Filter Rack Height	Left Rtn, End Blow (XLE)		Right Rtn, End Blow (XRE)		Left Rtn, Str Through (XLS)		Right Rtn, Str Through (XRS)		
GT/GS024	21.50	25.50	21.75	13.75	11.75	20.00	16.25	18.25	2.50	4.25	2.50	4.25	2.50	6.75	2.50	6.75	18 X 20 X 1
GT/GS030,036	34.00	26.00	21.75	15.75	13.75	30.00	16.00	18.00	1.25	4.13	2.00	4.13	1.38	10.63	1.88	10.63	18 X 30 X 1
GT/GS042	38.50	30.00	21.75	15.75	15.75	33.50	18.50	20.50	2.75	5.13	2.50	5.13	2.88	11.38	2.38	11.38	18 X 20 X 1 (2)
GT/GS048	38.50	30.00	21.75	15.75	15.75	33.50	18.50	20.50	2.63	4.00	2.63	4.00	2.63	11.38	2.63	11.38	18 X 20 X 1 (2)
GT/GS054	38.50	30.00	21.75	17.75	17.75	33.50	18.50	20.50	2.63	3.00	2.63	3.00	2.63	10.38	2.63	10.38	18 X 20 X 1 (2)
GT/GS062	38.50	30.00	21.75	17.75	17.75	33.50	18.50	20.50	1.50	4.13	1.75	4.13	1.75	10.38	1.50	10.38	18 X 20 X 1 (2)
GT/GS070	49.00	30.00	21.75	17.75	17.75	44.00	18.50	20.50	1.50	4.13	1.75	4.13	1.75	15.63	1.50	15.63	20 X 24 X 1 (2)

Right Hand Return
 Straight Through
 GT/GS___-AHX-XRS



Left Hand Return
 Straight Through
 GT/GS___-AHX-XLS

Right Hand Return
 End Blow
 GT/GS___-AHX-XRE



Left Hand Return
 End Blow
 GT/GS___-AHX-XLE

NOTES: All dimensions within +/- 0.125".
 Not available with hot gas reheat or bypass.
 Consult factory for available options.
 Internal electric heat available on 208/230-1-60 units.
 GS Units have ECM motors.
 Specifications subject to change without notice.

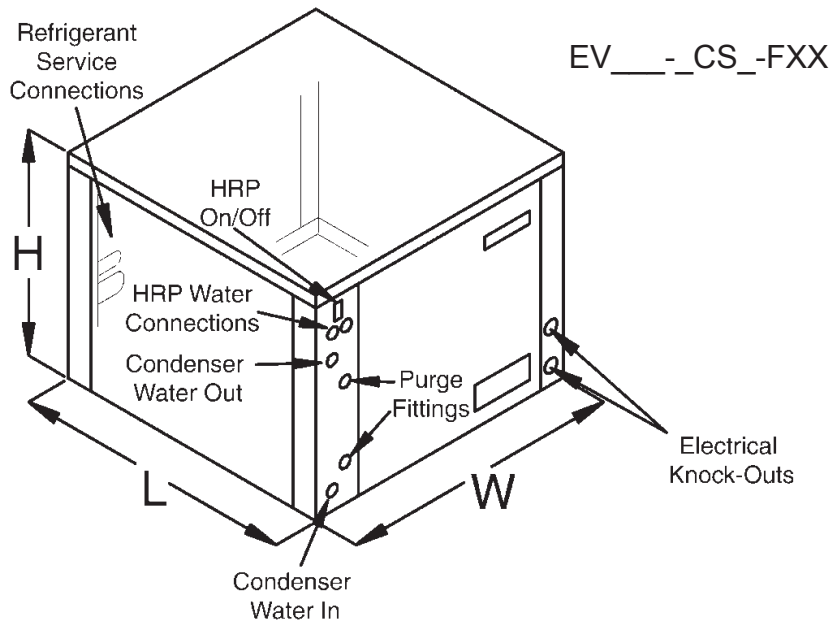


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EV Series Split Systems

Condensing Sections

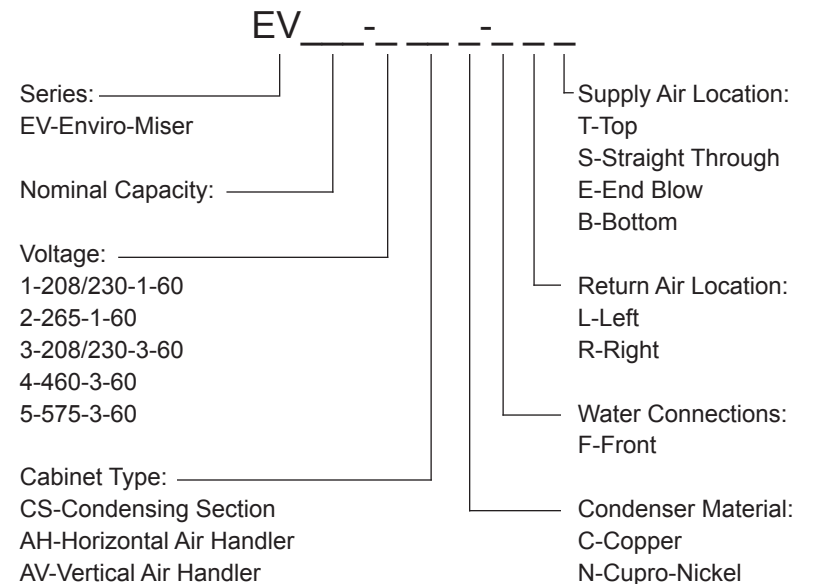
MODEL	Dimensions				ISO 13256-1 Certified Performance												GPM
	L	W	H	Water Conn.	WLHP Cooling		WLHP Heating		GWHP Cooling		GWHP Heating		GLHP Cooling		GLHP Heating		
	Length	Width	Height		Capacity	EER	Capacity	COP	Capacity	EER	Capacity	COP	Capacity	EER	Capacity	COP	
EV024	21.50	21.50	21.75	3/4" FPT	24500	14.0	31900	4.2	28900	19.9	26000	3.6	26500	14.7	20100	3.3	5
EV030	26.00	21.50	21.75	3/4" FPT	29400	15.2	32800	4.6	33800	23.5	27000	4.0	30400	17.6	21600	3.3	7.5
EV036	26.00	21.50	21.75	3/4" FPT	32300	14.5	38200	4.9	37700	22.1	30900	4.2	33300	17.1	23500	3.3	9
EV042	32.75	24.00	21.75	3/4" FPT	42100	13.2	46100	4.5	46100	19.6	38200	3.9	43600	15.0	29900	3.1	9
EV048	32.75	24.00	21.75	1" FPT	47500	13.3	56800	4.7	53900	20.2	46100	4.1	48000	16.1	36800	3.3	12
EV060	33.25	26.00	21.75	1" FPT	56400	12.7	64700	4.2	66600	18.8	54900	3.7	58800	14.7	44100	3.3	12
EV070	33.25	26.00	21.75	1" FPT	66600	13.2	78400	4.4	74500	19.4	66600	3.9	68600	14.9	51900	3.3	16



EV ___ - _CS_ - FXX



EV-Series Split System Model Nomenclature



NOTES: All dimensions within +/- 0.125".
 Performance certified with corresponding EV -Series air handling unit.
 Split systems not available with hot gas reheat or bypass.
 Consult factory for available options.
 Specifications subject to change without notice.

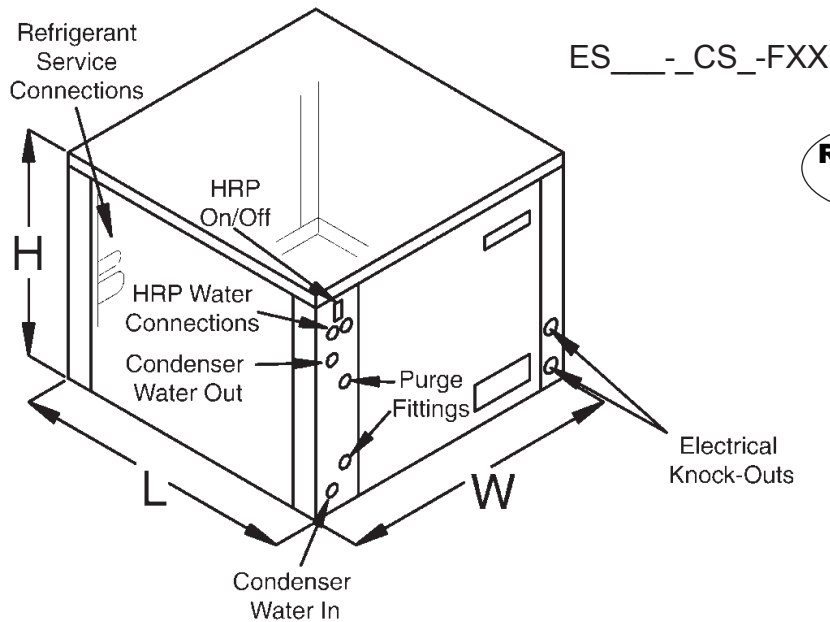


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ES Series Split Systems

Condensing Sections

MODEL	Dimensions				ISO 13256-1 Certified Performance												GPM
	L	W	H	Water Conn.	WLHP Cooling		WLHP Heating		GWHP Cooling		GWHP Heating		GLHP Cooling		GLHP Heating		
	Length	Width	Height		Capacity	EER	Capacity	COP	Capacity	EER	Capacity	COP	Capacity	EER	Capacity	COP	
ES018	21.50	21.50	21.75	3/4" FPT	18000	14.8	24000	5.6	22000	27.4	19000	4.4	19500	19.6	14500	3.5	4
ES024	21.50	21.50	21.75	3/4" FPT	24500	14.1	31500	4.3	29000	21.5	26000	3.6	26500	15.6	20000	3.3	5
ES030	26.00	21.50	21.75	3/4" FPT	29400	16.6	32500	4.7	33500	25.4	27000	4.1	30500	19.7	21500	3.4	7.5
ES036	26.00	21.50	21.75	3/4" FPT	32400	15.6	38000	5.1	37500	23.4	30500	4.3	33500	18.6	23500	3.4	9
ES042	32.75	24.00	21.75	3/4" FPT	42000	14.0	46000	4.6	46000	21.2	38000	4.0	43500	16.2	30000	3.3	9
ES048	32.75	24.00	21.75	1" FPT	47500	14.0	57000	4.8	54000	21.2	46000	4.2	48000	16.9	36500	3.4	12
ES060	33.25	26.00	21.75	1" FPT	56500	13.3	64500	4.3	67000	19.7	55000	3.8	59000	15.3	44000	3.3	12
ES070	33.25	26.00	21.75	1" FPT	66500	13.7	78500	4.5	74500	19.9	66500	4.0	68500	15.3	52000	3.3	16

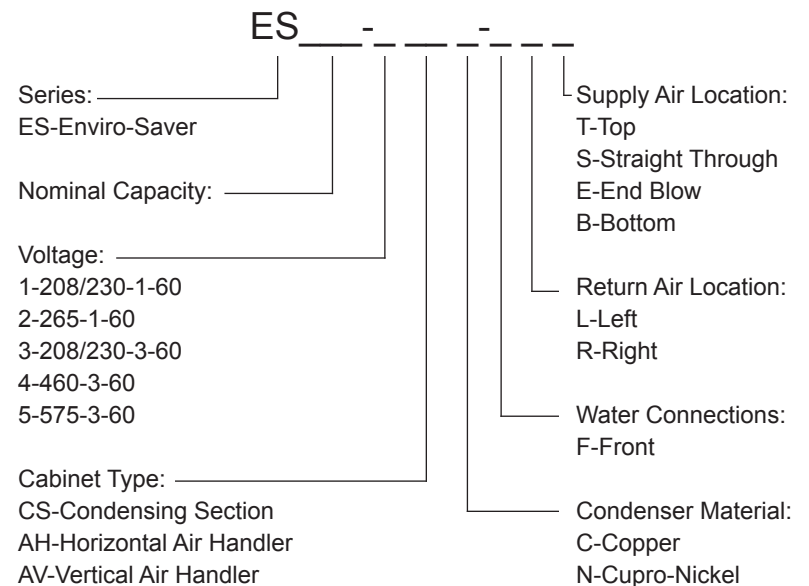


ES ___ - _CS_ -FXX

Refrigerant R-410A



ES-Series Split System Model Nomenclature



NOTES: All dimensions within +/- 0.125".
 Performance certified with corresponding ES-Series air handling unit.
 Split systems not available with hot gas reheat or bypass.
 Consult factory for available options.
 Specifications subject to change without notice.



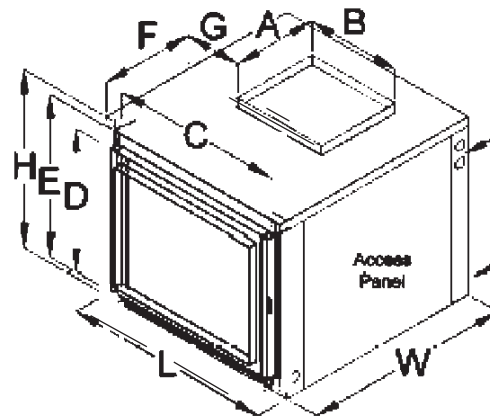
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EV/ES Series Split Systems

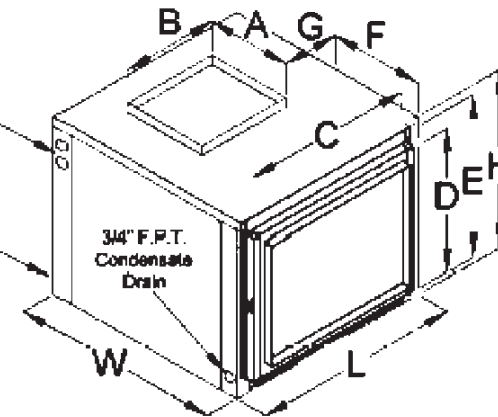
Vertical Air Handlers

MODEL	L	W	H	C	D	E	A	B	G	F	F	J	K	M	N	N	Recommended Replacement Nominal Filter Size
	Length	Width	Height	R/A Duct	R/A Duct	Filter Rack	Top Blow Units (XLT & XRT)					Bottom Blow Units (XLB & XRB)					
				Flg Width	Flg Height	Height	S/A Duct Collar		XLT	XRT	Blower Opening			XLB	XRB		
EV/ES024	21.50	21.50	19.25	17.50	16.00	18.00	13.75	11.75	3.75	7.00	4.13	9.25	9.63	5.00	5.13	10.13	18 X 20 X 1
EV/ES030,036	26.00	21.50	25.75	22.00	22.25	24.00	15.75	13.75	6.13	5.25	4.00	9.25	10.25	8.38	5.00	9.75	24 X 24 X 1
EV/ES042	32.75	24.00	25.75	28.00	22.25	24.00	15.75	15.75	8.38	4.75	3.50	9.25	10.25	11.63	4.50	9.25	24 X 30 X 1
EV/ES048	32.75	24.00	25.75	28.50	22.25	24.00	15.75	15.75	8.38	5.50	3.50	10.75	11.50	10.88	4.50	8.75	24 X 30 X 1
EV/ES060	33.25	26.00	27.75	28.50	22.25	24.00	17.75	17.75	8.37	6.25	4.00	12.00	12.50	10.63	5.00	10.50	24 X 30 X 1
EV/ES070	33.25	26.00	35.75	28.50	30.25	32.00	17.75	17.75	8.37	6.25	4.00	12.00	12.50	10.63	5.00	10.50	16 X 30 X 1 (2)

Left Hand Return
 Top Blow
 EV/ES___-AVX-XLT

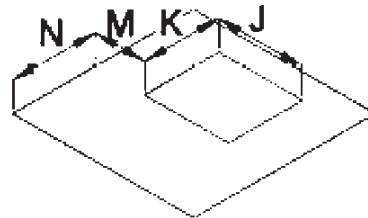


Right Hand Return
 Top Blow
 EV/ES___-AVX-XRT

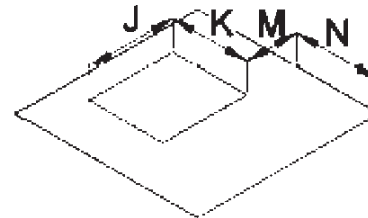


Refrigerant R-410A

Left Hand Return
 Bottom Blow
 EV/ES___-AVX-XLB



Right Hand Return
 Bottom Blow
 EV/ES___-AVX-XRB



NOTES: All dimensions within +/- 0.125".
 Not available with hot gas reheat or bypass.
 Consult factory for available options.
 Internal electric heat available on 208/230-1-60 units.
 Specifications subject to change without notice.
 GS Air Handlers have ECM motors



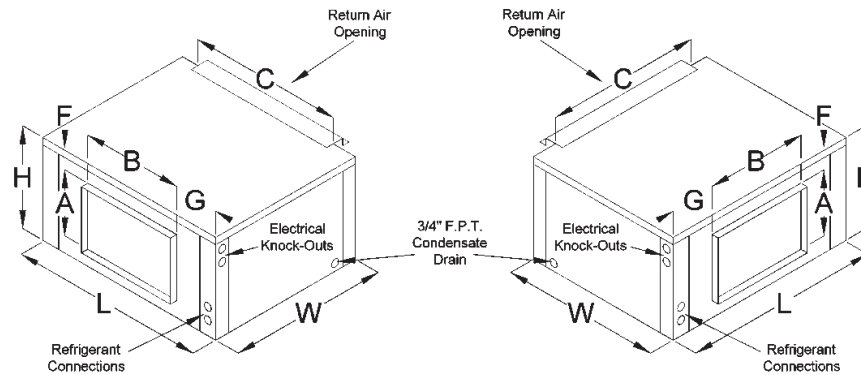
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EV/ES Series Split Systems

Horizontal Air Handlers

MODEL	L	W	H	A	B	C	D	E	F	G	F	G	F	G	F	G	Recommended Replacement Nominal Filter Size
	Length	Width	Height	S/A Duct Height	S/A Duct Width	R/A Duct Flg Width	R/A Duct Flg Height	Filter Rack Height	Left Rtn, End Blow (XLE)		Right Rtn, End Blow (XRE)		Left Rtn, Str Through (XLS)		Right Rtn, Str Through (XRS)		
EV/ES024	21.50	25.50	21.75	13.75	11.75	20.00	16.25	18.25	2.50	4.25	2.50	4.25	2.50	6.75	2.50	6.75	18 X 20 X 1
EV/ES030,036	34.00	26.00	21.75	15.75	13.75	30.00	16.00	18.00	1.25	4.13	2.00	4.13	1.38	10.63	1.88	10.63	18 X 30 X 1
EV/ES042	38.50	30.00	21.75	15.75	15.75	33.50	18.50	20.50	2.75	5.13	2.50	5.13	2.88	11.38	2.38	11.38	18 X 20 X 1 (2)
EV/ES048	38.50	30.00	21.75	15.75	15.75	33.50	18.50	20.50	2.63	4.00	2.63	4.00	2.63	11.38	2.63	11.38	18 X 20 X 1 (2)
EV/ES060	38.50	30.00	21.75	17.75	17.75	33.50	18.50	20.50	1.50	4.13	1.75	4.13	1.75	10.38	1.50	10.38	18 X 20 X 1 (2)
EV/ES070	49.00	30.00	21.75	17.75	17.75	44.00	18.50	20.50	1.50	4.13	1.75	4.13	1.75	15.63	1.50	15.63	20 X 24 X 1 (2)

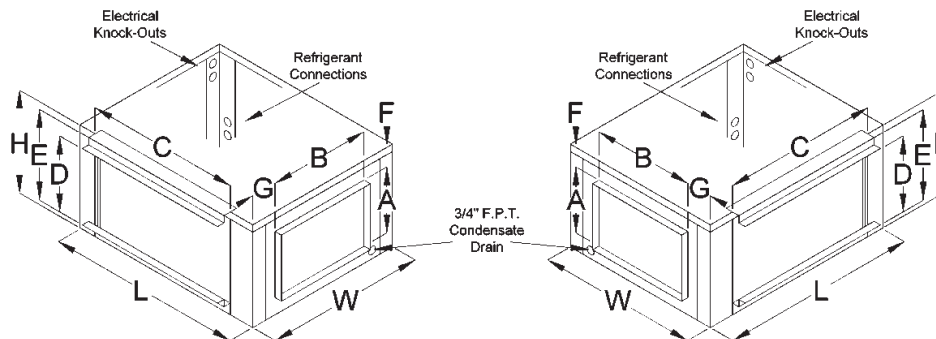
Right Hand Return
 Straight Through
 EV/ES___-AHX-XRS



Left Hand Return
 Straight Through
 EV/ES___-AHX-XLS

Refrigerant R-410A

Right Hand Return
 End Blow
 EV/ES___-AHX-XRE



Left Hand Return
 End Blow
 EV/ES___-AHX-XLE

NOTES: All dimensions within +/- 0.125".
 Not available with hot gas reheat or bypass.
 Consult factory for available options.
 Internal electric heat available on 208/230-1-60 units.
 Specifications subject to change without notice.
 ESUnits have ECM motors

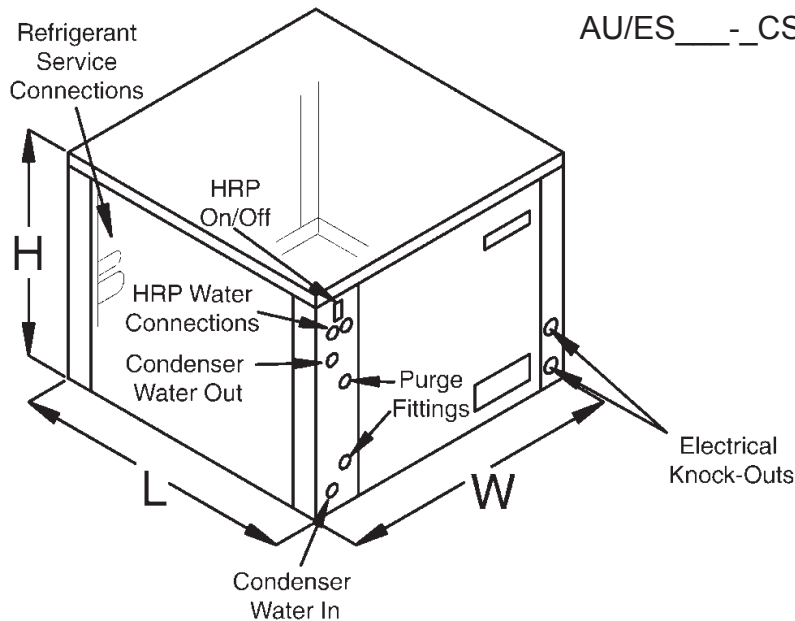


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AU/ES Series Two Stage Split Systems

Condensing Sections

MODEL	Dimensions				ISO 13256-1 Certified Performance												GPM
	L Length	W Width	H Height	Water Conn.	WLHP Cooling		WLHP Heating		GWHP Cooling		GWHP Heating		GLHP Cooling		GLHP Heating		
					Capacity	EER	Capacity	COP	Capacity	EER	Capacity	COP	Capacity	EER	Capacity	COP	
AU/ES025 Full	21.50	21.50	21.75	3/4" FPT	25,500	15.7	29400	4.9	28400	23.5	24500	4.5	26900	18.3	18600	3.7	6
AU/ES025 Part	26.00	21.50	21.75	3/4" FPT	18400	17.1	20100	5.0	20600	29.4	17600	4.5	19600	24.0	15200	3.9	6
AU/ES035 Full	26.00	21.50	21.75	3/4" FPT	35300	14.3	42200	4.7	41200	21.2	35200	4.1	37200	16.9	27400	3.7	9
AU/ES035 Part	26.00	21.50	21.75	3/4" FPT	23500	16.7	26400	5.2	26400	27.4	22000	4.4	26400	24.0	20100	3.9	9
AU/ES049 Full	32.75	24.00	21.75	1" FPT	47000	13.3	57000	4.7	53000	18.6	47000	4.1	48000	15.2	37000	3.5	12
AU/ES049 Part	32.75	24.00	21.75	1" FPT	33000	15.7	38000	5.3	37000	23.5	31000	4.5	35000	21.4	28000	3.9	12
AU/ES061 Full	33.25	26.00	21.75	1" FPT	59000	13.8	71000	4.6	66500	19.3	60000	4.2	61000	15.4	48000	3.5	14
AU/ES061 Part	33.25	26.00	21.75	1" FPT	41000	16.7	47000	5.3	47000	25.5	39000	4.5	44000	23.0	36000	3.9	14
AU/ES071 Full	33.25	26.00	21.75	1" FPT	70500	14.2	78500	4.4	75500	19.2	66500	4.1	72500	16.0	52000	3.6	18
AU/ES071 Part	33.25	26.00	21.75	1" FPT	50000	15.5	54000	4.3	56000	24.7	46000	3.9	55000	21.4	41000	3.5	18

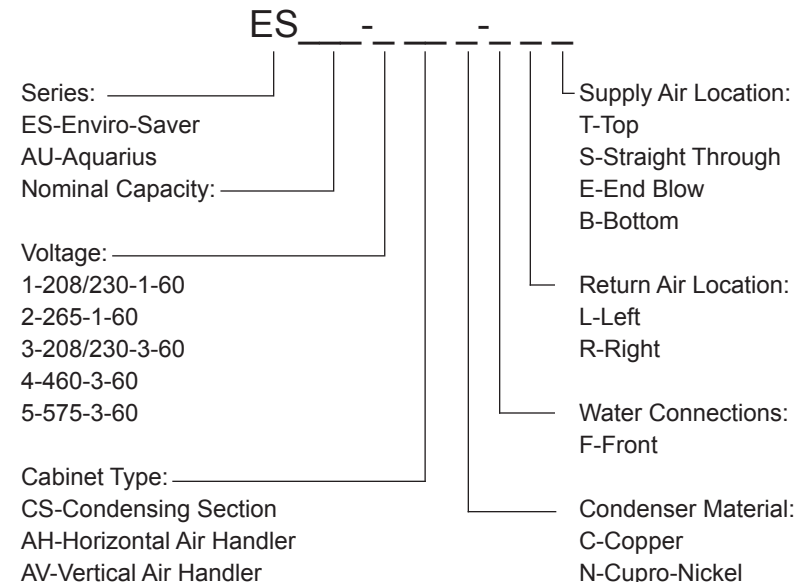


AU/ES ___ - CS - FXX

Refrigerant R-410A



AU/ES-Series Split System Model Nomenclature



NOTES: All dimensions within +/- 0.125".
 Performance certified with corresponding ES-Series air handling unit.
 Split systems not available with hot gas reheat or bypass.
 Consult factory for available options.
 Specifications subject to change without notice.

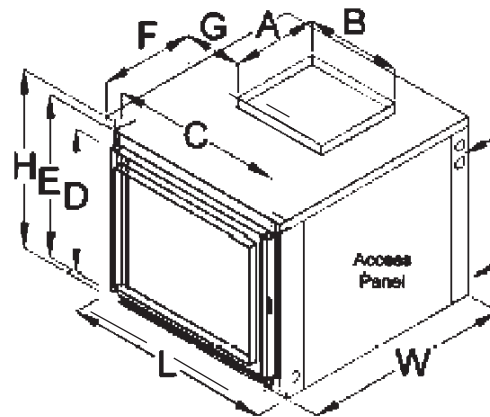


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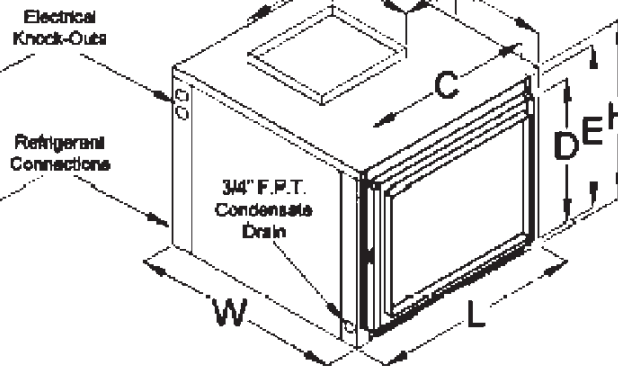
AU/ES Series Two Stage Split Systems Vertical Air Handlers

MODEL	L	W	H	C	D	E	A	B	G	F	F	J	K	M	N	N	Recommended Replacement Nominal Filter Size
	Length	Width	Height	R/A Duct	R/A Duct	Filter Rack	Top Blow Units (XLT & XRT)					Bottom Blow Units (XLB & XRB)					
				Flg Width	Flg Height	Height	S/A Duct Collar		XLT	XRT	Blower Opening		XLB	XRB			
AU/ES025,035	26.00	21.50	25.75	22.00	22.25	24.00	15.75	13.75	6.13	5.25	4.00	9.25	10.25	8.38	5.00	9.75	24 X 24 X 1
AU/ES049	32.75	24.00	25.75	28.50	22.25	24.00	15.75	15.75	8.38	5.50	3.50	10.75	11.50	10.88	4.50	8.75	24 X 30 X 1
AU/ES061	33.25	26.00	27.75	28.50	22.25	24.00	17.75	17.75	8.37	6.25	4.00	12.00	12.50	10.63	5.00	10.50	24 X 30 X 1
AU/ES071	33.25	26.00	35.75	28.50	30.25	32.00	17.75	17.75	8.37	6.25	4.00	12.00	12.50	10.63	5.00	10.50	16 X 30 X 1 (2)

Left Hand Return
 Top Blow
 AU/ES___-AVX-XLT

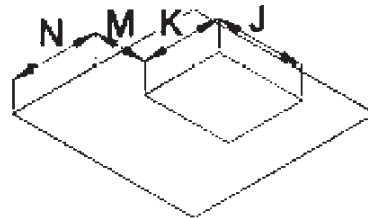


Right Hand Return
 Top Blow
 AU/ES___-AVX-XRT

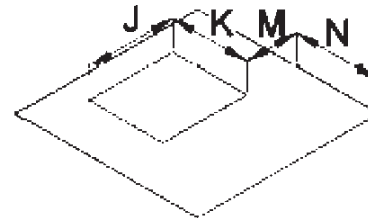


**Refrigerant
 R-410A**

Left Hand Return
 Bottom Blow
 AU/ES___-AVX-XLB



Right Hand Return
 Bottom Blow
 AU/ES___-AVX-XRB



NOTES: All dimensions within +/- 0.125".
 Not available with hot gas reheat or bypass.
 Consult factory for available options.
 Internal electric heat available on 208/230-1-60 units.
 Specifications subject to change without notice.
 AU/ES Air Handlers have ECM motors



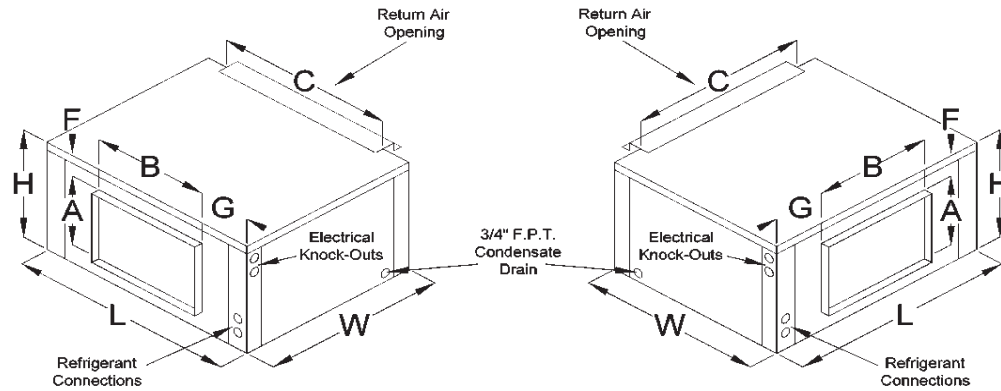
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AU/ES Series Two Stage Split Systems

Horizontal Air Handlers

MODEL	L	W	H	A	B	C	D	E	F	G	F	G	F	G	F	G	Recommended Replacement Nominal Filter Size
	Length	Width	Height	S/A Duct Height	S/A Duct Width	R/A Duct Flg Width	R/A Duct Flg Height	Filter Rack Height	Left Rtn, End Blow (XLE)		Right Rtn, End Blow (XRE)		Left Rtn, Str Through (XLS)		Right Rtn, Str Through (XRS)		
AU/ES025,035	34.00	26.00	21.75	15.75	13.75	30.00	16.00	18.00	1.25	4.13	2.00	4.13	1.38	10.63	1.88	10.63	18 X 30 X 1
AU/ES049	38.50	30.00	21.75	15.75	15.75	33.50	18.50	20.50	2.63	4.00	2.63	4.00	2.63	11.38	2.63	11.38	18 X 20 X 1 (2)
AU/ES061	38.50	30.00	21.75	17.75	17.75	33.50	18.50	20.50	1.50	4.13	1.75	4.13	1.75	10.38	1.50	10.38	18 X 20 X 1 (2)
AU/ES071	49.00	30.00	21.75	17.75	17.75	44.00	18.50	20.50	1.50	4.13	1.75	4.13	1.75	15.63	1.50	15.63	20 X 24 X 1 (2)

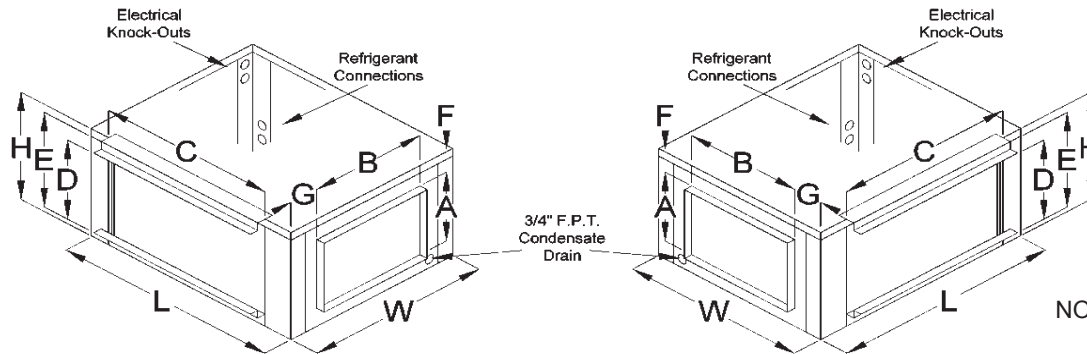
Right Hand Return
 Straight Through
 AU/ES___-AHX-XRS



Left Hand Return
 Straight Through
 AU/ES___-AHX-XLS

Refrigerant R-410A

Right Hand Return
 End Blow
 AU/ES___-AHX-XRE



Left Hand Return
 End Blow
 AU/ES___-AHX-XLE

NOTES: All dimensions within +/- 0.125".
 Not available with hot gas reheat or bypass.
 Consult factory for available options.
 Internal electric heat available on 208/230-1-60 units.
 Specifications subject to change without notice.
 AU/ES Units have ECM motors



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EM072-360 Series Split Systems

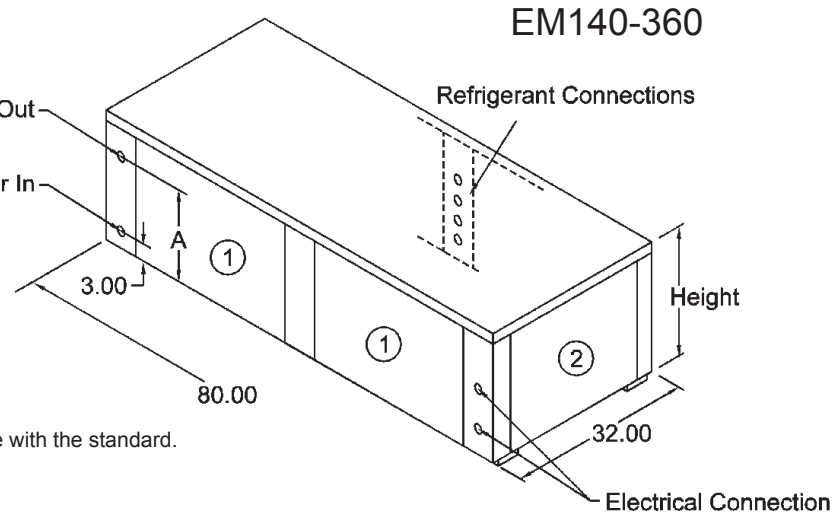
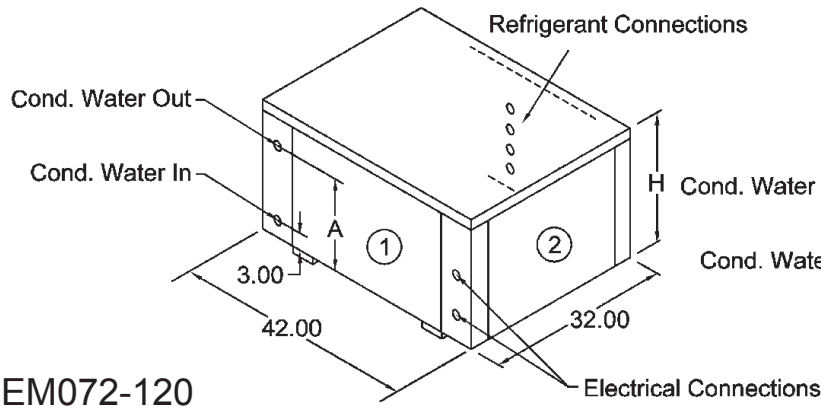
Condensing Sections

MODEL	Dimensions				ISO 13256-1 Performance								GPM	
	Height	"A"	(2) Suct.	(2) Liquid	WLHP Cooling		WLHP Heating		GWHP Cooling		GWHP Heating			GLHP Ratings See Note
		Cond Out	Line Dia	Line Dia	Capacity	EER	Capacity	COP	Capacity	EER	Capacity	COP		
EM072	22.00	18.00	7/8"	1/2"	69500	13.7	70500	4.5	79000	17.6	58500	4.0	16.0	
EM096	22.00	15.00	7/8"	1/2"	93000	12.9	104000	4.6	98000	17.6	83000	4.0	22.0	
EM120	22.00	16.00	7/8"	1/2"	118000	13.1	139000	4.9	132000	17.6	109000	4.2	28.0	
EM140/144	22.00	17.50	7/8"	5/8"	137000	11.3	171000	4.1	159000	15.3	139000	3.8	35.0	
EM168	22.00	17.50	7/8"	5/8"	147000	15.0	170000	5.4	173000	22.6	135000	4.8	35.0	
EM210	22.00	19.38	1-1/8"	7/8"	171000	13.3	192000	4.7	184000	18.8	147000	4.0	42.0	
EM240	26.50	16.88	1-1/8"	7/8"	210000	13.7	255000	4.9	276000	21.3	193000	4.3	50.0	
EM300	26.50	16.88	1-1/8"	7/8"	235000	13.5	343000	4.7	294000	19.9	235000	4.3	60.0	
EM360	27.00	15.00	1-3/8"	7/8"	279000	12.2	353000	4.0	343000	17.7	284000	3.6	75.0	



Panel 1 Accesses Compressors, Electrical and Refrigeration Components
 Panel 2 Accesses Compressors and Refrigeration Components

EM ___ - CS _ FXX



NOTES: All dimensions within +/- 0.125".

EM072-120 are certified at ISO 13256-1.

EM140-360 are beyond the scope of the ISO program but are rated in accordance with the standard.

GLHP performance certified with extended range package installed.

See extended range performance table for GLHP ratings.

Performance certified with corresponding EM-Series air handling unit.

Split systems are not available with hot gas reheat or bypass options.

Units have independent dual refrigerant circuits.

Consult factory for available options.

Specifications subject to change without notice.



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EM072-360 Series Split Systems

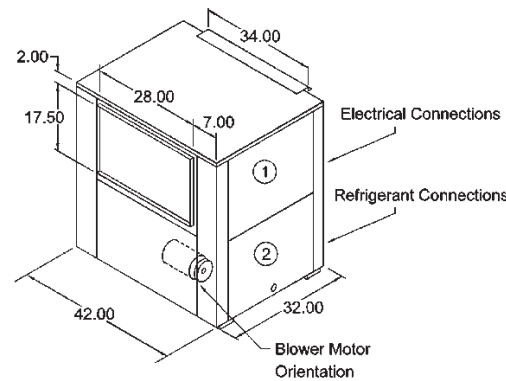
Vertical Air Handler Dimensions

Dimensions					
All Dimensions +/- 0.125"					
Model	A Unit Height	B Filtr Rack Height	C R/A Duct Flg Height	Suction Line Diameter	Liquid Line Diameter
072	41.00	40.00	38.00	7/8"	1/2"
096	41.00	40.00	38.00	7/8"	1/2"
120	41.00	40.00	38.00	7/8"	1/2"
144	41.00	40.00	38.00	7/8"	5/8"
168	41.00	40.00	38.00	7/8"	5/8"
210	41.00	40.00	38.00	1-1/8"	7/8"
240	41.00	40.00	38.00	1-1/8"	7/8"
300	41.00	40.00	38.00	1-1/8"	7/8"
360	61.00	60.00	58.00	1-3/8"	7/8"

Recommended Replacement Filter Size (Nominal)	
20 x 34-1/2 x 1	(2 per unit, 072-120)
20 x 34-1/2 x 1	(4 per unit, 144-300)
30 x 34-1/2 x 1	(4 per unit, 360)

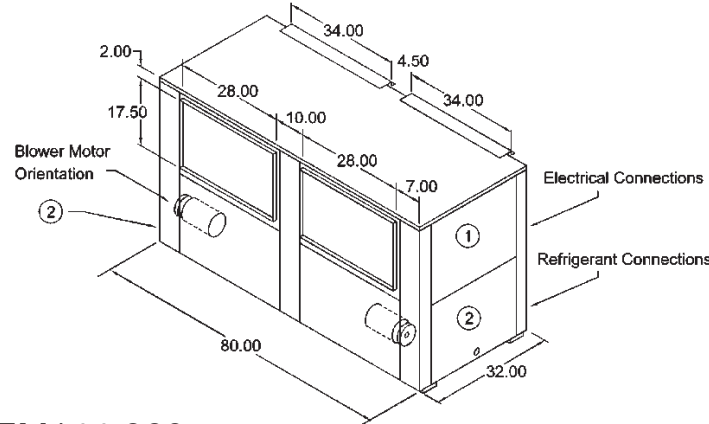
Service Access	
Panel #	Access To:
1	Controls, Blower
2	Blower & Motor

Front Return
 Rear Supply
 EM ___ - ___AVX-XFR



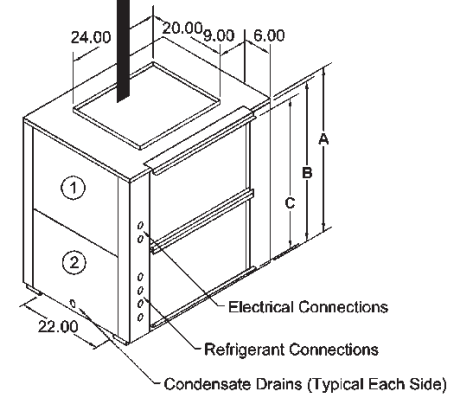
EM072-120

Front Return
 Rear Supply
 EM ___ - ___AVX-XFR

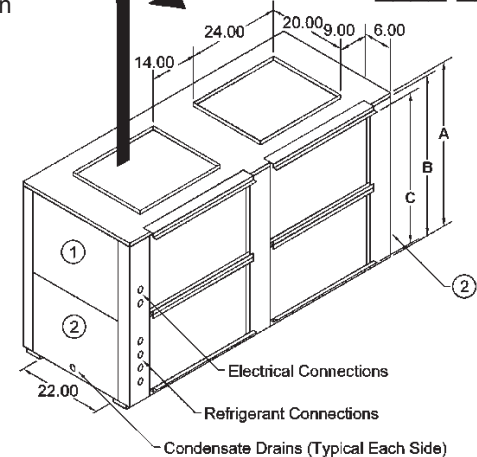


EM144-360

Standard Blower Orientation
 Optional Blower Orientation (979-033)
 Front Return Top Supply
 EM ___ - ___AVX-XFT



Standard Blower Orientation
 Optional Blower Orientation (979-033)
 Front Return Top Supply
 EM ___ - ___AVX-XFT



Not available with hot gas reheat or bypass options. Consult factory for available options.
 Due to continuing research and development, specifications are subject to change with out notice.

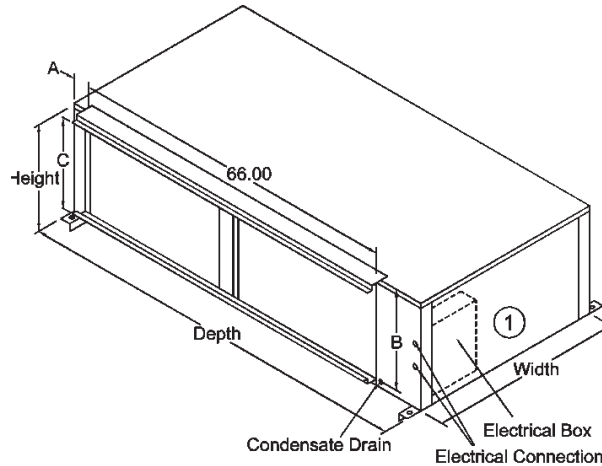


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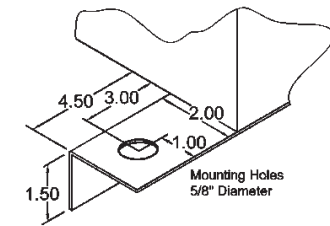
EM072-140 Series Split Systems

Horizontal Air Handler Dimensions

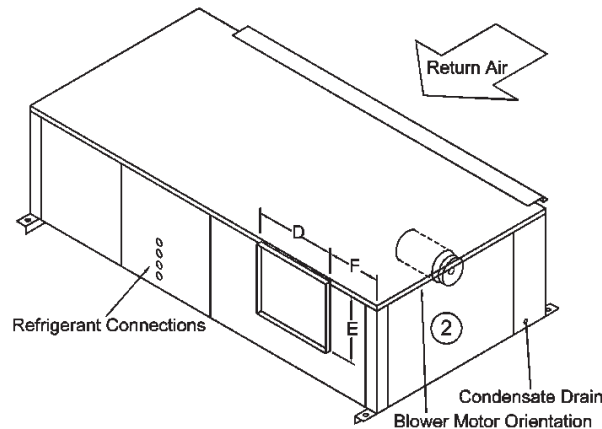
Dimensions				
All Dimensions +/- 0.125"				
Dimension	Model			
	-072	-096	-120	-140
Height	21.00	21.00	21.00	25.00
Width	38.00	38.00	38.00	42.00
Depth	78.00	78.00	78.00	82.00
Return Air Dimensions				
A	2.00	2.00	2.00	2.00
B	20.00	20.00	20.00	23.50
C	18.00	18.00	18.00	21.50
Refrigerant Connection Size (2 each)				
Liquid	1/2"	1/2"	1/2"	5/8"
Suction	7/8"	7/8"	7/8"	7/8"
Supply Air Dimensions (Blower Outlet)				
J	15.50	15.50	12.50	18.50
K	13.50	13.50	13.50	16.00
L	10.50	10.50	5.25	14.00
Replacement Filter Size				
072-120	20 x 34-1/2 x 1 (2 per unit)			
140	24 x 34 x 1 (2 per unit)			
Service Access				
Panel#	Access To:			
1	Control Box			
2	Blower & Motor			



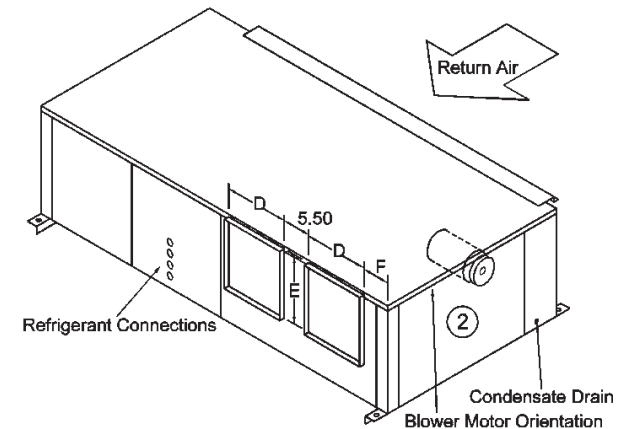
EM____-__AHX-SLS



MOUNTING BRACKET SECTION VIEW



EM072, 096 & 140 (-SLS Only)



EM120 (-SLS Only)

Notes: All condensate connections are 0.75" FPT.
 Not available with hot gas reheat or bypass options. Consult factory for available options.
 Due to continuing research and development, specifications are subject to change without notice. LEMAHDGIP ISO.P65 Rev:06-08



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EC072-360 Series Split Systems

Condensing Sections

MODEL	Dimensions				ISO 13256-1 Performance								GPM	
	Height	"A"	(2) Suct.	(2) Liquid	WLHP Cooling		WLHP Heating		GWHP Cooling		GWHP Heating			GLHP Ratings See Note
		Cond Out	Line Dia	Line Dia	Capacity	EER	Capacity	COP	Capacity	EER	Capacity	COP		
EC072	22.00	18.00	7/8"	1/2"	70,500	12.7	90,000	4.4	78,800	18.2	71,000	3.7	16	
EC096	22.00	15.00	7/8"	1/2"	94,000	13.7	113,500	4.7	113,700	20.2	91,300	4.1	21	
EC120	22.00	16.00	7/8"	1/2"	121,500	12.9	154,800	4.3	131,300	17.9	120,500	3.8	28	
EC150	22.00	17.50	7/8"	5/8"	154,000	15.7	177,500	5.5	181,300	23.5	137,200	4.9	35	
EC180	22.00	17.50	7/8"	5/8"	178,500	13.9	200,000	4.9	191,100	19.6	152,900	4.1	42	
EC210	22.00	17.50	7/8"	5/8"	215,500	14.3	264,600	5.0	286,200	22.1	199,900	4.4	50	
EC240	22.00	19.38	1-1/8"	7/8"	243,000	14.1	308,700	4.9	303,800	20.7	245,000	4.4	60	
EC300	26.50	16.88	1-1/8"	7/8"	289,000	12.7	368,500	4.1	357,700	18.4	294,000	3.7	75	
EC360	27.00	15.00	1-3/8"	7/8"	378,000	14.5	426,300	4.3	462,600	21.6	335,200	3.9	90	

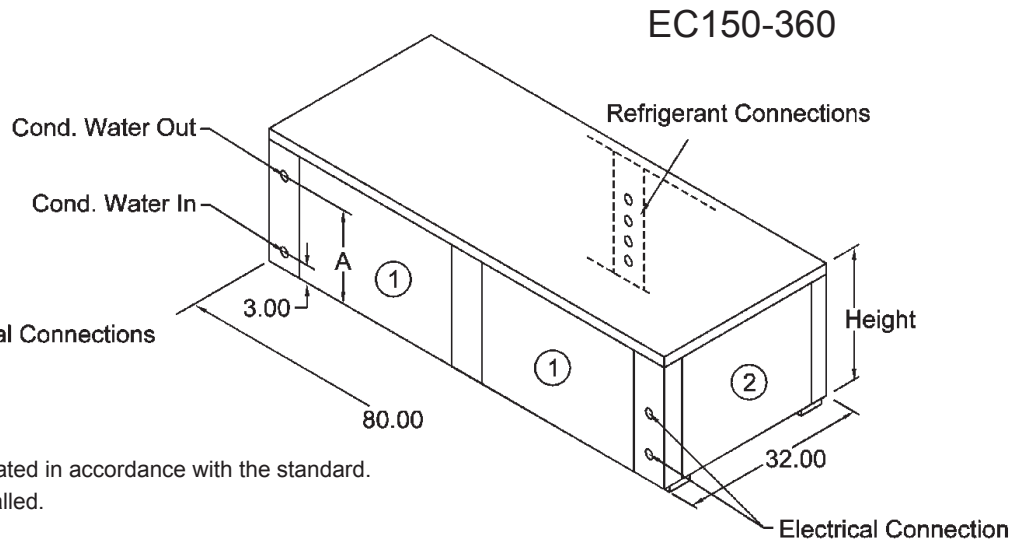
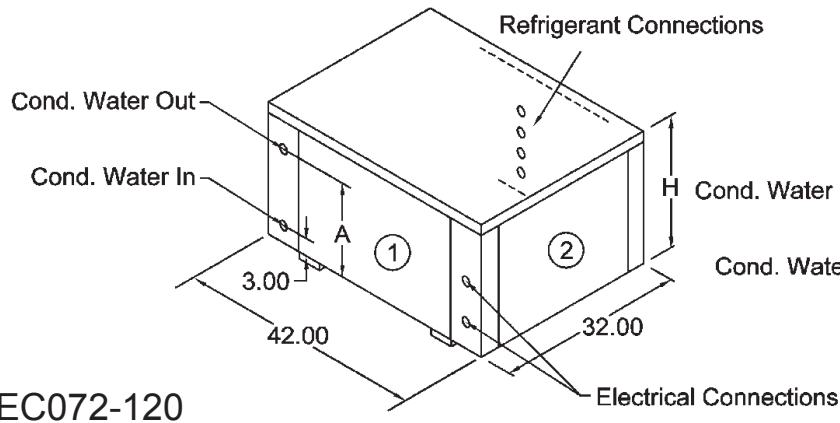
Panel 1 Accesses Compressors, Electrical and Refrigeration Components
 Panel 2 Accesses Compressors and Refrigeration Components

EC ___ - CS _ FXX



ANSI/ARI/ASHRAE/ISO
Standard 13256-1

Refrigerant
R-410A



NOTES: All dimensions within +/- 0.125".

EC072-120 are certified at ISO 13256-1.

EC150-360 are beyond the scope of the ISO program but are rated in accordance with the standard.

GLHP performance certified with extended range package installed.

See extended range performance table for GLHP ratings.

Units have independent dual refrigerant circuits.

Performance certified with corresponding EC-Series air handling unit.

Split systems are not available with hot gas reheat or bypass options.

Specifications subject to change without notice.



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EC072-360 Series Split Systems

Vertical Air Handler Dimensions

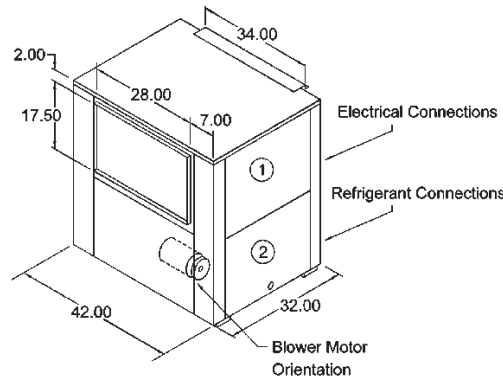
Dimensions					
All Dimensions +/- 0.125"					
Model	A Unit Height	B Filtr Rack Height	C R/A Duct Flg Height	Suction Line Diameter	Liquid Line Diameter
072	41.00	40.00	38.00	7/8"	1/2"
096	41.00	40.00	38.00	7/8"	1/2"
120	41.00	40.00	38.00	7/8"	1/2"
150	41.00	40.00	38.00	7/8"	5/8"
180	41.00	40.00	38.00	7/8"	5/8"
210	41.00	40.00	38.00	1-1/8"	7/8"
240	41.00	40.00	38.00	1-1/8"	7/8"
300	41.00	40.00	38.00	1-1/8"	7/8"
360	61.00	60.00	58.00	1-3/8"	7/8"

Recommended Replacement Filter Size (Nominal)	
20 x 34-1/2 x 1 (2 per unit, 072-120)	
20 x 34-1/2 x 1 (4 per unit, 144-300)	
30 x 34-1/2 x 1 (4 per unit, 360)	

Service Access	
Panel #	Access To:
1	Controls, Blower
2	Blower & Motor

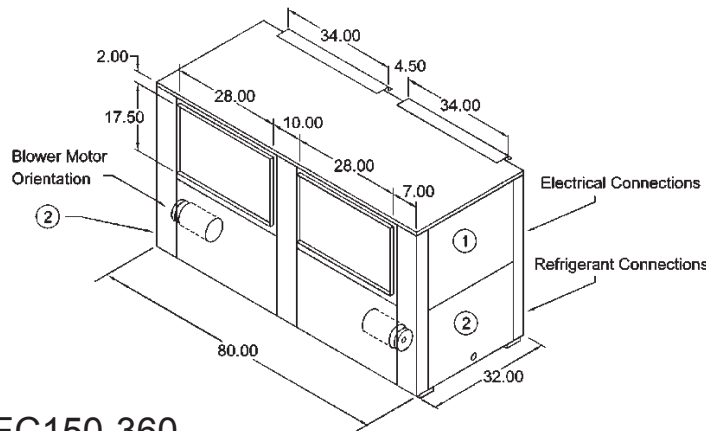
**Refrigerant
R-410A**

Front Return
Rear Supply
EC ___ - __AVX-XFR



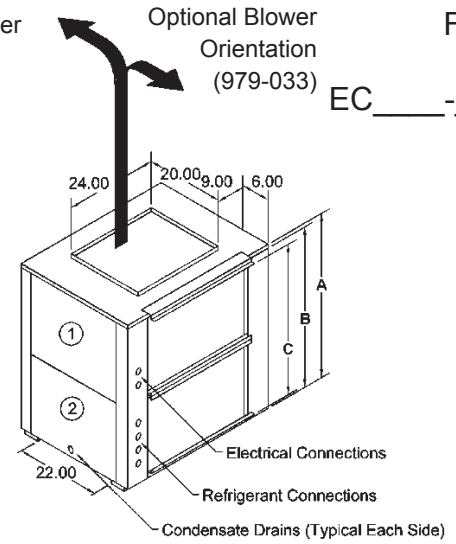
EC072-120

Front Return
Rear Supply
EC ___ - __AVX-XFR



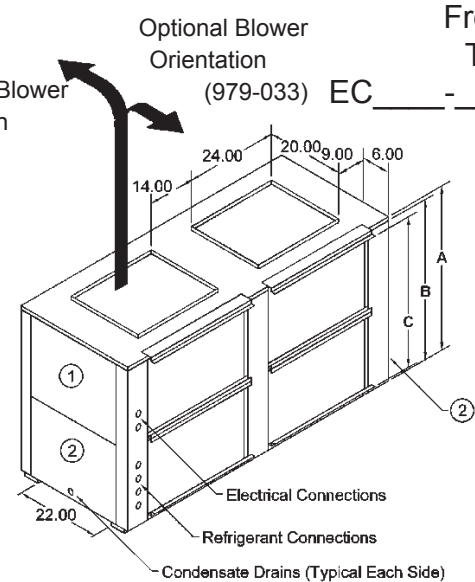
EC150-360

Standard Blower
Orientation



Front Return
Top Supply
EC ___ - __AVX-XFT

Standard Blower
Orientation



Front Return
Top Supply
EC ___ - __AVX-XFT

Not available with hot gas reheat or bypass options. Consult factory for available options.
 Due to continuing research and development, specifications are subject to change with out notice.

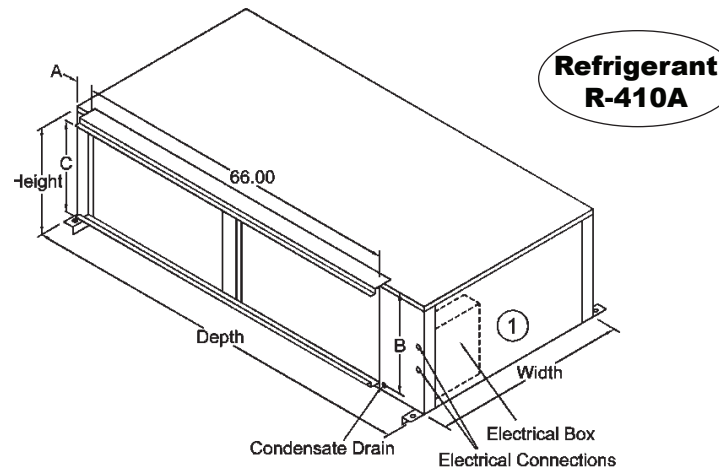


FHP Manufacturing Co.
 601 N.W. 65th Court
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<http://www.fhp-mfg.com>

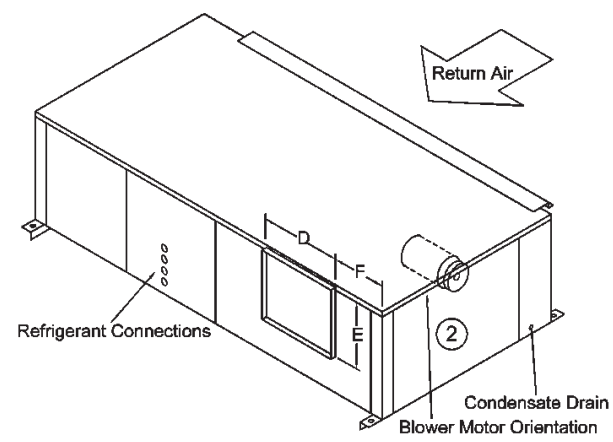
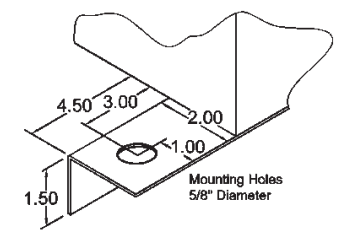
EC072-140 Series Split Systems

Horizontal Air Handler Dimensions

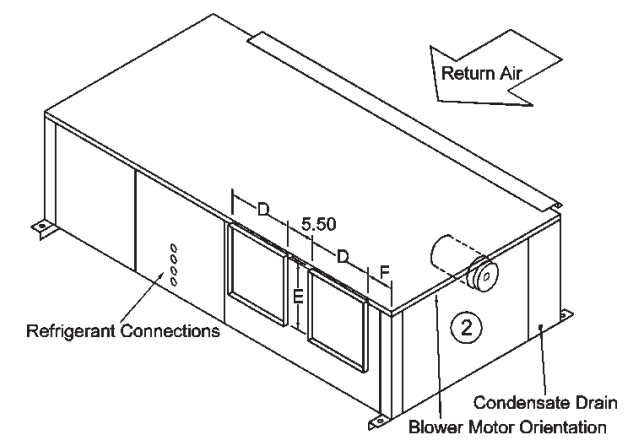
Dimensions					
All Dimensions +/- 0.125"					
Dimension	Model	-072	-096	-120	-150
Height		21.00	21.00	21.00	25.00
Width		38.00	38.00	38.00	42.00
Depth		78.00	78.00	78.00	82.00
Return Air Dimensions					
A		2.00	2.00	2.00	2.00
B		20.00	20.00	20.00	23.50
C		18.00	18.00	18.00	21.50
Refrigerant Connection Size (2 each)					
Liquid		1/2"	1/2"	1/2"	5/8"
Suction		7/8"	7/8"	7/8"	7/8"
Supply Air Dimensions (Blower Outlet)					
J		15.50	15.50	12.50	18.50
K		13.50	13.50	13.50	16.00
L		10.50	10.50	5.25	14.00
Replacement Filter Size					
072-120		20 x 34-1/2 x 1 (2 per unit)			
140		24 x 34 x 1 (2 per unit)			
Service Access					
Panel#	Access To:				
1	Control Box				
2	Blower & Motor				



EC ____ - __ AHX-SLS



EC072, 096 & 150 (-SLS Only)



EC120 (-SLS Only)

Notes: All condensate connections are 0.75" FPT.
 Not available with hot gas reheat or bypass options. Consult factory for available options.
 Due to continuing research and development, specifications are subject to change without notice. LECAHDGIP ISO.P65 Rev:06-05



EM-SERIES SPLIT SYSTEMS

EXTENDED RANGE RATINGS

FHP MANUFACTURING HIGH-EFFICIENCY WATER SOURCE HEAT PUMPS, ENERGY-MISER LINE

Model Number	Rated CFM	Rated GPM	Cooling Capacity	EER	Heating Capacity	COP
EM007	300	2	7400	13.3	5400	3.1
EM009	350	3	9800	12.9	7000	2.9
EM012	400	3	11600	12.0	8000	2.6
EM015	500	4	14500	12.4	10700	2.7
EM018	650	5	18600	13.1	12500	3.1
EM024	850	6	23500	15.1	16500	3.4
EM028	950	7	29000	14.3	18500	3.2
EM031	1000	7.5	33500	14.4	23000	2.9
EM036	1200	9	34000	15.0	23000	3.3
EM041	1100	9	38000	13.0	27000	3.1
EM042	1400	10	41500	13.3	29000	3.1
EM048	1600	12	50000	13.1	37000	3.3
EM060	2000	15	60000	13.7	47000	3.1
EM070	2200	16	67500	13.6	52000	3.3
EM072	2400	16	71500	15.5	46000	3.5
EM096	2800	22	94000	14.7	64500	3.4
EM120	4000	28	122000	15.8	90000	3.5
EM140	5000	35	140000	12.1	102000	3.1
EM144	5000	35	153000	16.7	98000	4.0
EM168	6000	42	172000	14.4	109000	3.3
EM210	7000	50	230000	16.1	142000	3.7
EM240	8000	60	255000	15.2	166000	3.6
EM300	10000	75	294000	13.1	206000	2.8
EM360	12000	90	381000	15.7	235000	3.1

ISO 13256-1 Ground Loop Heat Pump Rating Conditions

	Entering Air Temp		Entering Fluid Temp
	Dry Bulb	Wet Bulb	
Cooling	80.6°F (27°C)	66.2°F (19°C)	77°F (25°C)
Heating	68°F (20°C)		32°F (0°C)



EM007 through EM120 are certified to ARI / ISO Standard 13256-1 for Ground Loop Heat Pump applications. EM140-EM360 are beyond the scope of ARI / ISO Standard 13256-1 but are rated in accordance with the rating conditions of the Ground Loop Heat Pump application point. All ratings reflect a matched condensing section/air handler set.

All EM-Series units must have the optional extended range performance option installed to run at conditions outside of those shown in the performance tables of the individual unit specification data sheets. The ratings shown above reflect the use of the extended range performance option.

Minimum entering fluid temperature with fresh water is 45°F (7.2°C). The above ratings are based on the use of a solution of 15% methanol and 85% water by weight. FHP recommends antifreeze protection to at least 20°F (11°C) below the lowest entering fluid temperature.

Note: Published fluid side pressure drop tables are based on 70° (21°C) fresh water. When designing the system, pressure drop should be modified for antifreeze content and fluid temperature. FHP recommends adding 0.2% to the system pressure drop for every 1°F (0.36% / 1°C) below 70°F (21°C) in addition to any antifreeze correction factors.



EC-SERIES SPLIT SYSTEMS

EXTENDED RANGE RATINGS



FHP MANUFACTURING HIGH-EFFICIENCY WATER SOURCE HEAT PUMPS, ENERGY-MISER LINE

Model Number	Rated CFM	Rated GPM	Cooling Capacity	EER	Heating Capacity	COP
EC018	650	5.0	19,400	14.1	13,100	3.3
EC024	850	6.0	26,000	14.9	17,500	3.3
EC030	950	7.0	30,400	14.3	20,600	3.3
EC036	1200	9.0	37,000	15.3	26,900	3.3
EC041	1150	9.0	38,400	14.0	27,900	3.0
EC042	1500	10.0	42,900	14.1	31,600	3.3
EC048	1600	12.0	51,000	15.1	36,100	3.4
EC060	2000	15.0	62,300	14.4	49,000	3.3
EC070	2200	16.0	68,600	14.9	51,900	3.3
EC072	2300	16.0	74,100	13.9	53,700	3.1
EC096	2800	21.0	101,900	15.1	72,100	3.4
EC120	4000	28.0	124,700	14.4	98,000	3.1
EC150	5000	35.0	162,700	17.5	104,900	4.1
EC180	6000	42.0	181,300	15.1	115,600	3.4
EC210	7000	50.0	245,000	16.9	149,000	3.8
EC240	8000	60.0	269,500	15.7	176,400	3.8
EC300	10000	75.0	311,600	13.7	217,600	3.1
EC360	12000	90.0	403,800	16.1	247,000	3.2

ISO 13256-1 Ground Loop Heat Pump Rating Conditions

	Entering Air Temp		Entering Fluid Temp
	Dry Bulb	Wet Bulb	
Cooling	80.6°F (27°C)	66.2°F (19°C)	77°F (25°C)
Heating	68°F (20°C)		32°F (0°C)



EC018 through EC120 are certified to ARI / ISO Standard 13256-1 for Ground Loop Heat Pump applications. EC150-EM360 are beyond the scope of ARI / ISO Standard 13256-1 but are rated in accordance with the rating conditions of the Ground Loop Heat Pump application point. All ratings reflect a matched condensing section/air handler set.

All EC-Series units must have the optional extended range performance option installed to run at conditions outside of those shown in the performance tables of the individual unit specification data sheets. The ratings shown above reflect the use of the extended range performance option.

Minimum entering fluid temperature with fresh water is 45°F (7.2°C). The above ratings are based on the use of a solution of 15% methanol and 85% water by weight. FHP recommends antifreeze protection to at least 20°F (11°C) below the lowest entering fluid temperature.

Note: Published fluid side pressure drop tables are based on 70° (21°C) fresh water. When designing the system, pressure drop should be modified for antifreeze content and fluid temperature. FHP recommends adding 0.2% to the system pressure drop for every 1°F (0.36% / 1°C) below 70°F (21°C) in addition to any antifreeze correction factors.