



SPECIFICATIONS
PACK and VPACK
Self-Contained Ducted & Vertical Systems

Model Number		PACK25	PACK50/VPACK50	PACK88/VPACK88	PACK200		
Power Requirements	volt/phase/hz	115/1/60	115/1/60	208/1/60	230/1/60	208/1/60	230/1/60
Performance (57°/55%RH)							
Nominal Compressor	HP	0.33	0.50	1	1	2.5	2.5
Net Cooling Capacity*		Total/Sensible	Total/Sensible	Total/Sensible	Total/Sensible	Total/Sensible	Total/Sensible
@60 Deg F condenser inlet air	BTUH	4520/3050	6920/4920	10700/7120	10830/7500	17570/12430	17680/12790
@70 Deg F condenser inlet air	BTUH	4300/2915	6570/4740	9900/6800	10250/7160	16580/11650	16720/12000
@80 Deg F condenser inlet air	BTUH	3760/2715	6320/4510	9420/6610	9600/6850	15350/11100	15680/11780
@90 Deg F condenser inlet air	BTUH	3540/2580	5860/4230	8600/6120	8760/6210	14000/10580	15000/10870
@110 Deg F condenser inlet air	BTUH	3260/2400	4865/3820	N/A	N/A	N/A	N/A
@120 Deg F condenser inlet air	BTUH	3000/2260	4585/3590	N/A	N/A	N/A	N/A
Performance (80°/50%RH)							
Nominal Compressor	HP	0.33	0.50	1	1	2.5	2.5
Net Cooling Capacity*		Total/Sensible	Total/Sensible	Total/Sensible	Total/Sensible	Total/Sensible	Total/Sensible
@60 Deg F condenser inlet air	BTUH	5980/4000	9830/6990	14330/9530	14560/10000	25450/18000	25600/18530
@70 Deg F condenser inlet air	BTUH	5570/3780	9250/6680	13690/9400	13860/9680	24250/17000	24460/17550
@80 Deg F condenser inlet air	BTUH	5080/3660	8720/6220	13000/9130	13140/9370	22440/16230	22930/17220
@90 Deg F condenser inlet air	BTUH	4425/3500	7835/5800	11800/8400	11300/8450	19500/15800	20500/15150
@110 Deg F condenser inlet air	BTUH	4070/3000	7140/5610	N/A	N/A	N/A	N/A
@120 Deg F condenser inlet air	BTUH	3780/2840	6690/5230	N/A	N/A	N/A	N/A
Controls							
Type		Room mounted non-programmable combination thermostat humidistat					
Temperature Accuracy/RH% Accuracy		+/- 1 Deg F / +/- 10% RH					
Evaporator Section							
Fan Motor Size	Watts	75	100	175	195	160	180
Rated Air Flow (free blow)	CFM	245	390	435	485	760	810
Rated Air Flow @ pressure loss	CFM	200 @0.10" wc	320 @0.20" wc	370 @0.20" wc	440 @0.20" wc	710 @0.35" wc	745 @0.35" wc
Air-cooled Condenser Section							
Fan Motor Size	Watts	75	100	175	195	160	180
Rated Air Flow (free blow)	CFM	245	390	435	485	760	810
Rated Air Flow @ pressure loss	CFM	200 @0.10" wc	320 @0.20" wc	370 @0.20" wc	440 @0.20" wc	700 @0.35" wc	725 @0.35" wc
Water-cooled Condenser Section (option)							
Water usage at 40 Deg F rise	GMP	0.30	0.60	1.20		2.50	
Pressure drop	PSI	0.40	0.40	0.08		1.20	
Pipe connection size (in/out) O.D.	Inches	0.63	0.63	0.63		0.63	
Heat							
Type		Electric	Electric	Electric	Electric	Electric	Electric
Capacity	Watt/BTUH	1000/3400	1000/3400	1635/5582	2000/6800	1635/5582	2000/6800
Humidifier (Option)							
Type		Removable drip pad with integral fan					
Capacity - water temp of 60 Deg F	lbs./hr	0.42					
Capacity - water temp of 90 Deg F	lbs./hr	0.97					
Capacity - water temp of 100 Deg F	lbs./hr	1.11					
Electrical Requirements							
Current Draw - Cooling mode	Amps	7.1	11.3	9.8	8.8	15.6	14.1
Current Draw - Heating mode	Amps	9.4	9.6	8.8	9.5	8.8	9.5
Minimum Circuit amps (heat / no heat)	Amps	11.6/8.6	11.8/13.7	10.7/11.8	11.7/10.6	10.7/19.1	11.7/17.2
Optional Low Ambient	Amps	0.4	0.4	0.2	0.2	0.2	0.2
Optional High Ambient	Amps	0.2	0	N/A	N/A	N/A	N/A
Optional Humidifier	Amps	0.4	0.4	0.4	0.4	0.4	0.4
Cabinet							
Construction		Aluminum					
Finish		Clear Anodized Brushed Aluminum					
Weight	lbs.	80	125	130		200	
Dimensions (inches)	Width	33	33	33		50	
	Depth	14	22	22		22	
	Height	14	14	14		18	
Condensate Drain connection (ID)							
	inches	.50"	.50"	.50"		.50"	
Agency Approval(s)							
	ETL	UL 1995/CSA C22.2	UL 1995 / CSA C22.2	UL 1995 / CSA C22.2		UL 1995 / CSA C22.2	

1. Reduce capacity by 3% for each 10% reduction in evaporator airflow.
2. Air Innovations reserves the right to make changes to this document without prior notice at its sole discretion.
3. All rating at sea level.
4. PACK200 air flow based on 0.35 inches external static pressure using 50' of flexible ductwork, grills and collars.

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SPECIFICATIONS SPLIT Series

Model Number		SPLIT25	SPLIT50	SPLIT88		SPLIT200	
Power Requirements	volt/phase/hz	@ 115V	@ 115V	@ 208V	@ 230V	@ 208V	@ 230V
Performance (57°/55%RH)							
Net Cooling Capacity*		Total/Sensible	Total/Sensible	Total/Sensible	Total/Sensible	Total/Sensible	Total/Sensible
@10 Deg F condenser inlet air	BTUH	3120/2150	4380/3240	9965/6965	10270/7180	11,340/8200	11,750/8400
@40 Deg F condenser inlet air	BTUH	3150/2280	5370/3890	10310/7080	10630/7300	11,400/8350	11,800/9300
@60 Deg F condenser inlet air	BTUH	4140/3000	5770/4170	10440/7400	10760/7630	15,150/11,100	15,700/12,100
@80 Deg F condenser inlet air	BTUH	3830/2870	5500/4250	9140/6920	9420/7135	14,400/10,550	14,900/11,400
@100 Deg F condenser inlet air	BTUH	3400/2735	4650/3630	7680/5695	7920/5870	13,800/10,100	14,300/11,100
@115 Deg F condenser inlet air	BTUH	3110/2525	4640/3360	6985/5085	7200/5240	12,400/9100	12,800/10,100
Performance (80°/50%RH)							
Net Cooling Capacity*		Total/Sensible	Total/Sensible	Total/Sensible	Total/Sensible	Total/Sensible	Total/Sensible
@40 Deg F condenser inlet air	BTUH	6000/4850	10,500/7990	15,400/11,290	15,740/11,600	24,000/17,130	24,420/17,670
@60 Deg F condenser inlet air	BTUH	5840/5200	9600/7590	14,120/10,530	14,320/11,190	23,640/16,620	24,120/17,230
@80 Deg F condenser inlet air	BTUH	5060/4480	8570/7150	12,185/10,160	12,320/10,280	21,820/16,100	22,200/16,630
@100 Deg F condenser inlet air	BTUH	4500/4200	7800/6800	11,600/9700	11,700/9900	20,300/15,700	20,600/16,000
@115 Deg F condenser inlet air	BTUH	4100/4000	7000/6400	10,100/8800	10,300/9500	18,800/15,100	18,100/15,400
Controls							
Type		Room mounted non-programmable combination thermostat humidistat					
Temperature Accuracy/RH% Accuracy		+/- 1 Deg F / +/- 10% RH					

Evaporator Section

Fan Motor Size	Rated Watts	75	100	115	195	160	180
Rated Air Flow (free blow)	CFM	245	410	460	520	740	800
Rated Air Flow @ pressure loss	CFM	220 @ 0.10" wc	380 @ 0.20" wc	410 @ 0.20" wc	410 @ 0.20" wc	710 @ 0.35" wc	750 @ 0.35" wc
Heat							
Type		electric	electric	electric	electric	electric	electric
Capacity	Watt/BTUH	1000/3400	1000/3400	1635/5582	2000/6800	1635/5582	2000/6800
Humidifier (Option)							
Type		Removable drip pad with integral fan					
Capacity - water temp of 60 Deg F	lbs./hr	0.42					
Capacity - water temp of 90 Deg F	lbs./hr	0.97					
Capacity - water temp of 120 Deg F	lbs./hr	1.11					
Electrical Requirements							
Power	volt/phase/hz	115/1/60	115/1/60	208/1/60	230/1/60	208/1/60	230/1/60
Current Draw - Cooling mode	Amps	0.7	0.9	0.85	0.8	0.8	0.8
Current Draw - Heating mode	Amps	9.4	9.6	8.7	9.5	8.7	9.5
Minimum Circuit Size (w/heat option)	Amps	11.6	11.8	10.7	11.7	10.7	11.7
Optional Humidifier	Amps	0.3	0.3	0.2	0.2	0.2	0.2
Cabinet							
Construction		Aluminum					
Finish		Clear Anodized Brushed Aluminum					
Weight	lbs.	25	35	37	56	56	56
Dimensions - inches	Length	16.75	16.75	16.75	21.00	21.00	21.00
	Width	14.00	22.00	22.00	22.00	22.00	22.00
	Height	14.13	14.13	14.13	18.00	18.00	18.00
Condensate Drain - 1/2" id tubing	Inches	0.5	0.5	0.5	0.5	0.5	0.5

Condensing Unit

		M2FH-0039-IAA-0H2	M2FH-A056-IAA-0H2	FTAH-A101-CFV-0H2	FFAS-A25Z		
Condensing Unit							
Nominal Compressor	HP	1/3 hp	1/2 hp	1 hp	2.5 hp		
Fan Motor Size	Watts	140	140	130	250		
Rated Air Flow (free blow)	CFM	450	450	710	1700		
Weight	lbs.	85	98	152	250		
Enclosure							
Construction		Steel	Steel	Steel	Steel		
Finish		Paint	Paint	Paint	Paint		
Dimensions	Length	24.13	24.13	30.25	32		
	Width	19.13	19.13	23.38	38		
	Height	18.25	18.25	22.25	27		
Electrical Requirements							
Power	volt/phase/hz	115/1/60	115/1/60	208/1/60	230/1/60	208/1/60	230/1/60
MCA	Amps	10.7	15.5	14.8	14.8	19	19
Max brkr	Amps	15	20	20	20	30	30
Agency Approval(s)		ETLc	ETLc	ETLc	ETLc	ETLc	ETLc

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3. All ratings at sea level.