



Reliable & Affordable Comfort

AIR CONDITIONER HIGHLIGHTS

- Meets new regulation SEER2
- Painted galvanized steel cabinet built to withstand all year weather
- AHRI Certified-ETL Listed
- Copper tube with enhanced aluminum in coil
- Factory provided high- and low-pressure switches
- Reliable scroll compressor
- 5-year limited warranty on equipment and parts and 10-year on compressor*

AIR HANDLING UNIT HIGHLIGHTS

- 4-way installation (Up flow, Down flow, Right, Left)
- Quiet indoor operation
- "A" shaped coil with Inner-grooved copper pipes
- ECM motors, with multiple fan modes
- Large fan blades and insulated motor
- 5-year limited warranty on equipment parts



18K, 24K, 30K, 36K, 42K, 48K & 60K BTU

Model		ACTC1815NG2-D	ACTC2415NG2-D	ACTC3015NG2-D	ACTC3615NG2-D	ACTC4215NG2-D	ACTC4815NG2-D	ACTC6015NG2-D	
Outdoor power supply	V/Ph/Hz	230V/1/60HZ	230V/1/60HZ	230V/1/60HZ	230V/1/60HZ	230V/1/60HZ	230V/1/60HZ	230V/1/60HZ	
Cooling	Capacity	17600	23600	28000	33000	39000	47000	56000	
	Input	1500	1900	2200	2640	3280	4000	4725	
	EER2	11.70	11.70	11.70	11.70	11.70	11.20	11.20	
	SEER2	14.30	14.30	14.30	14.30	14.30	13.80	13.80	
	Max. input consumption	W	2150	2650	2980	3805	4135	4591	6351
Max. current	A	12.00	15.00	16.70	21.00	22.64	24.96	35.00	
MCA	A	13.00	13.00	15.00	20.00	25.00	30.00	33.00	
MOP	A	20.00	20.00	25.00	30.00	40.00	45.00	50.00	
Compressor	Type	scroll	scroll	scroll	scroll	scroll	scroll	scroll	
	Input	W	1040	1294	1521	1808.00	2298.00	2631.00	3188.00
	Rated current(RLA)	A	4.50	6	6.60	8.30	10.30	11.70	14.30
	Locked rotor Amp(LRA)	A	48	52	63	79.00	112.30	108.00	127.90
Outdoor fan motor	Output	W	120	120	120	200	200	200	
	Speed	rpm	850	950	1050	am	1050	1050	1050
Outdoor fan blade	Dimension	in	17.7x4.72x.50	17.7x4.72x.50	23x4.72x.50	23x4.72x.50	23x4.33x.50	23.42x115x.50	
Outdoor Coil	Number of Row	in	2	2	2	2	2	2.7	
	Fin Spacing	in	0.055	0.055	0.055	0.055	0.055	0.055	0.055
	Fin Material		Hydrophilic Aluminium Fin	Hydrophilic Aluminium Fin	Hydrophilic Aluminium Fin	Hydrophilic Aluminium Fin	Hydrophilic Aluminium Fin	Hydrophilic Aluminium Fin	Hydrophilic Aluminium Fin
	Tube Outside Diameter	in	Φ 0.276	Φ 0.276	Φ 0.276	Φ 0.276	Φ 0.276	Φ 0.276	Φ 0.276
	Tube Material		Inner Grooved	Inner Grooved	Inner Grooved	Inner Grooved	Inner Grooved	Inner Grooved	Inner Grooved
	Coil Length x Leight x Width	in	56.22x23.15x1.05	56.22x23.15x1.05	56.22x23.15x1.05	84.65x23.15x1.05	84.65x31.48x1.05	84.65x31.48x1.05	84.65x31.48x1.05
	Number of Circuit		6	6	6	6	10	10	8
Outdoor Air Flow	CFM	1780	1990	3350	3350	3820	3820	3820	
Outdoor Noise Level	dB(A)	59	60	60	60	63	63	63	
Outdoor Dimension	Unit (WxHxD)	in	21-4/5x25x21-4/5	21-4/5x25x21-4/5	29-1/7x25x29-1/7	29-1/7x25x29-1/7	29-1/7x32-7/8x29-1/7	29-1/7x32-7/8x29-1/7	29-1/7x32-7/8x29-1/7
	Packing (WxHxD) Net / Gross weight	lbs	22-3/5x25-9/10x22-3/5	22-3/5x25-9/10x22-3/5	29-9/10x25-9/10x29-9/10	29-9/10x25-9/10x29-9/10	29-9/10x34-2/5x29-9/10	29-9/10x34-2/5x29-9/10	29-9/10x34-2/5x29-9/10
Refrigerant	Type		R410A	R410A	R410A	R410A	R410A	R410A	
	Charging	oz	84.65	98.76	111.11	112.87	137.56	144.62	185.18
Refrigerant pipe	Liquid side	in	Φ3/8	Φ3/8	Φ3/8	Φ3/8	Φ3/8	Φ3/8	
	Gas side	in	Φ3/4	Φ3/4	Φ3/4	Φ3/4	Φ7/8	Φ7/8	
	Max. refrigerant pipe length	ft	50	50	50	50	66	66	
	Max. difference in level	ft	26	26	26	26	33	33	
Design pressure	MPa	4.0/1.2	4.0/1.2	4.0/1.2	4.0/1.2	4.0/1.2	4.0/1.2	4.0/1.2	
Max pressure	MPa	4.20	4.20	4.20	4.20	4.20	4.20	4.20	

AIR HANDLING UNIT SPECIFICATIONS

Market Model		AIDC1800NG3-D	AIDC2400NG3-D	AIDC3000NG3-D	AIDC3600NG3-D	AIDC4200NG3-D	AIDC4800NG3-D	AIDC6000NG3-D	
Power supply	V/Ph/Hz	230V/1/60Hz	230V/1/60Hz	230V/1/60Hz	230V/1/60Hz	230V/1/60Hz	230V/1/60Hz	230V/1/60Hz	
Cooling	Capacity	Btu/h	17600	23600	28000	33000	39000	47000	56000
	SEER2	Btu/h.W	14.30	14.30	14.30	14.30	14.30	14.30	14.30
Indoor External Static Pressure	Pa	145	145	145	145	145	145	145	
MCA	A	1.5	1.5	2	2	2.5	3	3	
MOP	A	3	3	3	3	5	5	5	
Indoor coil	Number of Row	in	3(row)*2(piece)	4(row)*2(piece)	4(row)*2(piece)	4(row)*2(piece)	4(row)*2(piece)	5(row)*2(piece)	5(row)*2(piece)
	Tube Pitch(ax) row pitch(b)	in	0.83x0.53	0.83x0.53	0.83x0.53	0.83x0.53	0.83x0.53	0.83x0.53	0.83x0.53
	Fin Spacing	in	1/16	1/16	1/16	1/16	1/16	1/16	1/16
	Fin Material		Hydrophilic	Hydrophilic	Hydrophilic	Hydrophilic	Hydrophilic	Hydrophilic	Hydrophilic
	Tube Outside Diameter	in	Φ 0.276	Φ 0.276	Φ 0.276	Φ 0.276	Φ 0.276	Φ 0.276	Φ 0.276
	Tube Material		inner grooved	inner grooved	inner grooved	inner grooved	inner grooved	inner grooved	inner grooved
	Coil Length x Height x Width	in	17 7/16x14 7/8x1 37/64	17 7/16x16 17/32x2 7/64	17 7/16x16 17/32x2 7/64	17 7/16x16 17/32x2 7/64	17 7/16x16 17/32x2 7/64	19 27/32x21 1/2x2 5/8	19 27/32x21 1/2x2 5/8
Number of Circuit		6	8	8	8	8	12	12	
Motor	Type	W	ECM	ECM	ECM	ECM	ECM	ECM	
	Output	W	249	249	373	373	560	560	560
Blower	Diameter	in	12 5/16	12 5/16	12 5/16	12 5/16	12 5/16	12 5/16	
	Width	in	12 29/32	12 29/32	12 29/32	12 29/32	12 29/32	12 29/32	
Indoor Air Flow	CFM	670	770	1050	1080	1300	1400	1510	
Indoor Noise Level	dB(A)	50	52	54	55	56	57	59	
Indoor Dimension	Unit (WxHxD)	in	19-2/3x45-3/4x22	19-2/3x45-3/4x22	19-2/3x45-3/4x22	19-2/3x45-3/4x22	19-2/3x45-3/4x22	22x53-1/8x24	22x53-1/8x24
	Packing (WxHxD)	in	22-5/6x47-5/8x25-3/5	22-5/6x47-5/8x25-3/5	22-5/6x47-5/8x25-3/5	22-5/6x47-5/8x25-3/5	22-5/6x47-5/8x25-3/5	28x54-3/4x25-1/5	28x54-3/4x25-1/5
	Net / Gross Weight	lbs	123/134	130/141	132/143	134/146	137/148	176/190	176/190