



13 SEER Air Handler - Specifications

MODEL		APIA-18HDN1P3-13	APIA-24HDN1P3-13	APIA-30HDN1P3-13	APIA-36HDN1P3-13	APIA-42HDN1P3-13	APIA-48HDN1P3-13	APIA-60HDN1P3-13		
Power Supply	V-Ph-Hz	208/230V-1Ph-60Hz	208/230V-1Ph-60Hz	208/230V-1Ph-60Hz	208/230V-1Ph-60Hz	208/230V-1Ph-60Hz	208/230V-1Ph-60Hz	208/230V-1Ph-60Hz		
MCA	AMPS	0.9	1.3	1.9	2.3	2.3	2.8	3.5		
MOP	AMPS	15	15	15	15	15	15	15		
Indoorfan motor	Type	ODP	ODP	ODP	ODP	ODP	ODP	ODP		
	Capacitor	uF	6	6	10	10	10	20		
	Rated HP		1/8	1/5	1/4	1/2	1/2	3/4		
	Rated RPM	RPM	1075	1075	1075	1075	1075	1075		
Indoor sound level (sound pressure level)	dB(A)	42/39/35	49/46/40	48/47/45	47/46/44	51/50/47	54/52/49	50/49/47		
Indoor unit	Dimension (WxHxD)	mm	460x1050x520	460x1050x520	460x1050x520	500x1180x550	500x1180x550	560x1385x610	560x1385x610	
		inch	18-1/8x41-3/8 x20-1/2	18-1/8x41-3/8 x20-1/2	18-1/8x41-3/8 x20-1/2	19-5/8x46-1/2 x21-5/8	19-5/8x46-1/2 x21-5/8	22x54-1/2x24	22x54-1/2x24	
	Packing (WxDxH)	mm	534x580x1104	534x580x1104	534x580x1104	573x610x1234	573x610x1234	634x670x1438	634x670x1438	
		inch	21x22-4/5x 43-9/20	21x22-4/5x 43-9/20	21x22-4/5x 43-9/20	22-11/20x24x 48-3/5	22-11/20x24x 48-3/5	25x26-7/20x 56-3/5	25x26-7/20x 56-3/5	
	Net/Gross weight	Kg	48/54	48/54	54/60	64/71	64/71	78/85	78/85	
		lbs	114/128	114/128	119/132	141/156	141/156	172/187	172/187	
	Refrigerant piping	Liquidside/ Gas side	inch	3/8 - 3/4	3/8 - 3/4	3/8 - 3/4	3/8 - 3/4	3/8 - 3/4	3/8 - 7/8	3/8 - 7/8
	Shipping per STD40HQ		210	210	210	154	154	104	104	

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13 SEER Condensing Units - Specifications

MODEL		APUA-18CN1P3-13C	APUA-18CN1P3-13T	APUA-18HN1P3-13C	APUA-18HN1P3-13T	APUA-24CN1P3-13C	APUA-24CN1P3-13T			
Power supply		V-Ph-Hz	208/230V-1Ph-60Hz	208/230V-1Ph-60Hz	208/230V 1Ph-60Hz	208/230v-1Ph-60Hz	208/230V-1Ph-60Hz	208/230V-1Ph-60Hz		
Cooling	Capacity	Btu/h	17500	17500	18000	18000	23000	23000		
	SEER		13	13	13	13	13	13		
Heating	Capacity	Btu/h	N/A	N/A	18000	18000	N/A	N/A		
	HSPF		N/A	N/A	7.7	7.7	N/A	N/A		
MCA	AMPS		11.9	9	11.9	9.4	17.5	11.6		
MOP	AMPS		20	15	20	15	30	20		
Compressor	Model		ZP16K5E-PFV-130	PA150X2CS-3KUU	ZP16K5E-PFV-130	PA160X2CS-3KUU	ZP20K5E-PFV-130	PA200X2CS-3MUU		
	Type		Scroll	Rotary	Scroll	Rotary	Scroll	Rotary		
	Supplier		Copeland	GMCC	Copeland	GMCC	Copeland	GMCC		
	Rated current(RLA)	AMPS	9	6.65	9	7	13.5	8.75		
	Locked rotor Amp (LRA)	AMPS	48.0	32.6	48.0	32.6	58.3	34.8		
	Capacitor	uF	30	40	30	40	35	50		
Outdoor fan motor	Model		YDK60-6G	YDK60-6G	YDK60-6G	YDK60-6G	YDK60-6G	YDK60-6G		
	Type		PSC	PSC	PSC	PSC	PSC	PSC		
	Capacitor	uF	6	6	6	6	6	6		
Outdoor fan motor	Rated RPM	RPM	1075	1075	1075	1075	1075	1075		
	Rated HP		1/12	1/12	1/12	1/12	1/12	1/12		
Outdoor air flow	m3/h		2600	2688	2688	2688	2688	2688		
	CFM		1529	1581	1581	1581	1581	1581		
Outdoor sound level (sound pressure level)	dB(A)		56	57	57	57	59	57		
Outdoor unit	Dimension(WxHxD)	mm	554x633x55	554x633x55	554x633x55	554x633x55	554x633x55	554x633x55		
		inch	21-7/8x24-15/16 x21-7/8	21-7/8x24-15/16 x21-7/8	23-5/8x24-15/16 x23-5/8	23-5/8x24-15/16 x23-5/8	23-5/8x24-15/16 x23-5/8	23-5/8x24-15/16 x23-5/8		
	Packing(WxDxH)	mm	628x628x667	628x628x667	628x628x667	628x628x667	628x628x667	628x628x667		
		inch	22-9/10x22-9/10x 26-1/4	22-9/10x22-9/10x 26-1/4	24-7/10x24-7/10x 26-1/4	24-7/10x24-7/10x 26-1/4	24-7/10x24-7/10x 26-1/4	24-7/10x24-7/10x 26-1/4		
	Net/Gross weight	Kg		54/59	54/59	59/64	59/64	58/63	58/63	
		lbs		119/130	119/130	130/141	130/141	128/139	128/139	
Refrigerant piping	Liquid side/ Suction Size	inch	3/8 / 3/4	3/8 / 3/4	3/8 / 3/4	3/8 / 3/4	3/8 / 3/4	3/8 / 3/4		
Shipping per	STD40HQ		320	320	228	228	228	228		



13 SEER Condensing Units - Specifications(Continued)

APUA-24HN1P3-13C	APUA-24HN1P3-13T	APUA-30CN1P3-13C	APUA-30CN1P3-13T	APUA-30HN1P3-13C	APUA-30HN1P3-13T	APUA-36CN1P3-13	APUA-36HN1P3-13
208/230V-1Ph-60Hz	208/230V-1Ph-60Hz	208/230V-1Ph-60Hz	208/230V-1Ph-60Hz	208/230V-1Ph-60Hz	208/230v-1Ph-60Hz	208/230V-1Ph-60Hz	208/230v-1Ph-60Hz
22400	22400	30000	30000	29000	29000	36000	36000
13	13	13	13	13	13	13	13
22000	22000	N/A	N/A	30000	30000	N/A	35000
7.7	7.7	N/A	N/A	7.7	7.7	N/A	8.2
17.5	11.6	18.7	16	18.7	16	21.9	21.9
30	20	30	25	30	25	35	35
ZP20K5E-PFV-130	PA200X2CS-3MUU	ZP25K5E-PFV-130	PA270X3CS-3MUU	ZP25K5E-PFV-130	PA270X3CS-3MUU	ZP31K5E-PFV-130	ZP31K5E-PFV-130
Scroll	Rotary	Scroll	Rotary	Scroll	Rotary	Scroll	Scroll
Copeland	GMCC	Copeland	GMCC	Copeland	GMCC	Copeland	Copeland
13.5	8.75	14.1	12	14.1	12	16.7	16.7
58.3	34.8	73.0	59.93	73.0	59.93	79	79
35	50	40	55	40	55	45	45
YDK60-6G	YDK60-6G	YDK110-8G	YDK110-8G	YDK110-8G	YDK110-8G	YDK110-8G	YDK110-8G
PSC	PSC	PSC	PSC	PSC	PSC	PSC	PSC
6	6	6	6	6	6	6	6
1075	1075	825	825	825	825	825	825
1/12	1/12	1/6	1/6	1/6	1/6	1/6	1/6
2688	2688	5100	5100	5100	5100	5520	5520
1581	1581	2999	2999	2999	2999	3246	3246
60	57	62	60	62	62	60	63
600x633x600	600x633x600	710x633x710	710x633x710	710x633x710	710x633x710	740x633x740	740x633x740
23-5/8x24-15/16 x23-5/8	23-5/8x24-15/16 x23-5/8	28x24-15/16x28	28x24-15/16x28	28x24-15/16x28	28x24-15/16x28	28x24-15/16x28	29-1/8x24-15/16 x29-1/8
628x628x667	628x628x667	738x738x667	738x738x667	738x738x667	738x738x667	768x768x667	768x768x667
24-7/10x24-7/10x 26-1/4	24-7/10x24-7/10x 26-1/4	29x29x26-1/4	29x29x26-1/4	29x29x26-1/4	29x29x26-1/4	30-1/5x30-1/5x26-1/4	30-1/5x30-1/5x26-1/4
61/66	61/66	71/77	71/77	75/80	75/80	73/79	78/84
134/145	134/145	156/169	156/169	165/176	165/176	161/174	172/185
3/8 / 3/4	3/8 / 3/4	3/8 / 3/4	3/8 / 3/4	3/8 / 3/4	3/8 / 3/4	3/8 / 3/4	3/8 / 3/4
228	228	192	192	192	192	180	180



13 SEER Condensing Units - Specifications(Continued)

APUA-24HN1P3-13C	APUA-24HN1P3-13T	APUA-30CN1P3-13C	APUA-30CN1P3-13T	APUA-30HN1P3-13C	APUA-30HN1P3-13T	APUA-36CN1P3-13	APUA-36HN1P3-13
208/230V-1Ph-60Hz	208/230V-1Ph-60Hz	208/230V-1Ph-60Hz	208/230V-1Ph-60Hz	208/230V-1Ph-60Hz	208/230v-1Ph-60Hz	208/230V-1Ph-60Hz	208/230v-1Ph-60Hz
22400	22400	30000	30000	29000	29000	36000	36000
13	13	13	13	13	13	13	13
22000	22000	N/A	N/A	30000	30000	N/A	35000
7.7	7.7	N/A	N/A	7.7	7.7	N/A	8.2
17.5	11.6	18.7	16	18.7	16	21.9	21.9
30	20	30	25	30	25	35	35
ZP20K5E-PFV-130	PA200X2CS-3MUU	ZP25K5E-PFV-130	PA270X3CS-3MUU	ZP25K5E-PFV-130	PA270X3CS-3MUU	ZP31K5E-PFV-130	ZP31K5E-PFV-130
Scroll	Rotary	Scroll	Rotary	Scroll	Rotary	Scroll	Scroll
Copeland	GMCC	Copeland	GMCC	Copeland	GMCC	Copeland	Copeland
13.5	8.75	14.1	12	14.1	12	16.7	16.7
58.3	34.8	73.0	59.93	73.0	59.93	79	79
35	50	40	55	40	55	45	45
YDK60-6G	YDK60-6G	YDK110-8G	YDK110-8G	YDK110-8G	YDK110-8G	YDK110-8G	YDK110-8G
PSC	PSC	PSC	PSC	PSC	PSC	PSC	PSC
6	6	6	6	6	6	6	6
1075	1075	825	825	825	825	825	825
1/12	1/12	1/6	1/6	1/6	1/6	1/6	1/6
2688	2688	5100	5100	5100	5100	5520	5520
1581	1581	2999	2999	2999	2999	3246	3246
60	57	62	60	62	62	60	63
600x633x600	600x633x600	710x633x710	710x633x710	710x633x710	710x633x710	740x633x740	740x633x740
23-5/8x24-15/16 x23-5/8	23-5/8x24-15/16 x23-5/8	28x24-15/16x28	28x24-15/16x28	28x24-15/16x28	28x24-15/16x28	28x24-15/16x28	29-1/8x24-15/16 x29-1/8
628x628x667	628x628x667	738x738x667	738x738x667	738x738x667	738x738x667	768x768x667	768x768x667
24-7/10x24-7/10x 26-1/4	24-7/10x24-7/10x 26-1/4	29x29x26-1/4	29x29x26-1/4	29x29x26-1/4	29x29x26-1/4	30-1/5x30-1/5x26-1/4	30-1/5x30-1/5x26-1/4
61/66	61/66	71/77	71/77	75/80	75/80	73/79	78/84
134/145	134/145	156/169	156/169	165/176	165/176	161/174	172/185
3/8 / 3/4	3/8 / 3/4	3/8 / 3/4	3/8 / 3/4	3/8 / 3/4	3/8 / 3/4	3/8 / 3/4	3/8 / 3/4
228	228	192	192	192	192	180	180



13 SEER Condensing Units - Specifications(Continued)

MODEL		APUA-42CN1P3-13	APUA-42HN1P3-13	APUA-48CN1P3-13	APUA-48HN1P3-13	APUA-60CN1P3-13	APUA-60CN1P3-13	
Power supply	V-Ph-Hz	208/230V-1Ph-60Hz	208/230V-1Ph-60Hz	208/230V-1Ph-60Hz	208/230v-1Ph-60Hz	208/230V-1Ph-60Hz	208/230V-1Ph-60Hz	
Cooling	Capacity	Btu/h	42000	42000	48000	48000	57500	57000
	SEER		13	13	13	13	13	13
Heating	Capacity	Btu/h	N/A	43000	N/A	48000	N/A	58000
	HSPF		N/A	8.2	N/A	8.2	N/A	8.2
MCA	AMPS	24.1	24.1	29	29	34.7	34.7	
MOP	AMPS	40	40	50	50	60	60	
Compressor	Model		ZP36K5E-PFV-130	ZP36K5E-PFV-130	ZP42K5E-PFV-130	ZP42K5E-PFV-130	ZP51K5E-PFV-130	ZP51K5E-PFV-130
	Type		Scroll	Scroll	Scroll	Scroll	Scroll	Scroll
	Supplier		Copeland	Copeland	Copeland	Copeland	Copeland	Copeland
	Rated current(RLA)	AMPS	17.9	17.9	21.8	21.8	26.4	26.4
	Locked rotor Amp (LRA)	AMPS	112	112	117	117	134	134
	Capacitor	uF	45	45	70	70	70	70
Outdoor fan motor	Model		YDK230-6G	YDK230-6G	YDK230-6G	YDK230-6G	YDK230-6G	YDK230-6G
	Type		PSC	PSC	PSC	PSC	PSC	PSC
	Capacitor	uF	15	15	15	15	15	15
Outdoor fan motor	Rated RPM	RPM	1075	1075	1075	1075	1075	1075
	Rated HP		1/3	1/3	1/3	1/3	1/3	1/3
	Outdoor air flow	m3/h	7175	7175	7460	7460	7260	7260
CFM		4219	4219	4386	4386	4269	4269	
Outdoor sound level (sound pressure level)	dB(A)	65	67	67	67	66	66	
Outdoor unit	Dimension (WxHxD)	mm	710x759x710	710x759x710	710x843x710	710x843x710	740x843x740	740x843x740
		inch	28x29-7/8x28	28x29-7/8x28	28x33-3/16x28	28x33-3/16x28	29-1/8x33-3/16x29-1/8	29-1/8x33-3/16x29-1/8
	Packing (WxDxH)	mm	738x738x793	738x738x793	738x738x877	738x738x877	768x768x877	768x768x877
		inch	29x29x31-1/5	29x29x31-1/5	29x29x34-1/2	29x29x34-1/2	30-1/5x30-1/5x34-1/2	30-1/5x30-1/5x34-1/2
	Net/Gross weight	Kg	87/94	91/98	91/98	97/104	97/104	101/108
		lbs	191/207	200/216	200/216	213/229	213/229	222/238
Refrigerant piping	Liquid side / Gas side	inch	3/8 / 3/4	3/8 / 3/4	3/8 / 7/8	3/8 / 7/8	3/8 / 7/8	3/8 / 7/8
Shipping per STD40HQ		144	144	144	144	135	135	



13 SEER Condensing Units (Microchannel) - Specifications Insert (Continued)

MODEL		APUC-18CN1P3-13	APUC-24CN1P3-13	APUC-30CN1P3-13	APUC-36CN1P3-13	APUC-42CN1P3-13	APUC-48CN1P3-13	APUC-60CN1P3-13	
Power supply	V-Ph-Hz	208/230V-1Ph-60Hz	208/230V-1Ph-60Hz	208/230V-1Ph-60Hz	208/230V-1Ph-60Hz	208/230V-1Ph-60Hz	208/230V-1Ph-60Hz	208/230V-1Ph-60Hz	
Cooling	Capacity	But/h 18000	23000	29000	34200	40500	46000	57000	
	SEER	13	13	13	13	13	13	13	
MCA	AMPS	9.0	11.6	15.0	19.9	25.2	27.7	31.1	
MOP	AMPS	15	20	25	35	40	45	50	
Compressor	Model	PA150X2CS-3KUU	PA200X2CS-3MUU	ASH264RN-C8DU	APA032KAB	ABA036KAC	ABA042KAC	ABA051KAD	
	Type	Rotary	Rotary	Rotary	Scroll	Scroll	Scroll	Scroll	
	Supplier	GMCC	GMCC	HIGHLY	LG	LG	LG	LG	
	Rated current(RLA)	AMP%65	8.75	11.44	15.3	18.8	20.8	23.5	
	Locked rotor Amp(LRA)	AMP%2.6	34.8	58.3	70	90	100	125	
Outdoor fan motor	Model	YDK60-6G	YDK60-6G	YDK85-6G	YDK85-6G	YDK230-6G	YDK230-6G	YDK230-6G	
	Type	PSC	PSC	PSC	PSC	PSC	PSC	PSC	
	Rated HP	1/12	1/12	1/8	1/8	1/3	1/3	1/3	
	Capacitor	uF	6	6	6	15	15	15	
	Rated RPM	RPM	1075	1075	1075	1075	1075	1075	
Outdoor fan	material	Alnico	Alnico	Alnico	Alnico	Alnico	Alnico	Alnico	
	Type	Axial fan	Axial fan	Axial fan	Axial fan	Axial fan	Axial fan	Axial fan	
	Diameter	inch	17-3/4	17-3/4	18-7/8	18-7/8	23	23	
	Height	inch	4-3/4	4-3/4	4-5/16	4-5/16	4-5/16	4-5/16	
Outdoor coil	Number of rows	1	1	1	1	1	1	1	
	Type	The Third Generation Microchannel	The Third Generation Microchannel	The Third Generation Microchannel	The Third Generation Microchannel	The Third Generation Microchannel	The Third Generation Microchannel	The Third Generation Microchannel	
Outdoor sound level (sound pressure level)	dB(A)	57.9	59.1	60	60	63.7	63.4	64.2	
Outdoor unit	Dimension(W*H*D)	mm	554X633X554	554X633X554	600X633X600	600X633X600	710X759X710	710X759X710	710X759X710
		inch	21-7/8x24-15/16x21-7/8	21-7/8x24-15/16x21-7/8	23-5/8x24-15/16x23-5/8	23-5/8x24-15/16x23-5/8	28x29-7/8x28	28x29-7/8x28	28x29-7/8x28
Outdoor unit	Packing (W*H*D)	mm	582X667X582	582X667X582	628X667X628	628X667X628	738X793X738	738X793X738	738X793X738
		inch	22-9/10x26-1/4x22-9/10	22-9/10x26-1/4x22-9/10	24-7/10x26-1/4x24-7/10	24-7/10x26-1/4x24-7/10	29x31-1/5x29	29x31-1/5x29	29x31-1/5x29
	Net/Gross weight	Kg	48/51	49/52	54/57	60/63	81/85	81/85	81/85
		Lbs	106/113	108/115	119/126	132/139	179*187	179*187	179*187
Refrigerant piping	liquid side/ Suction side	inch	3/8 / 3/4	3/8 / 3/4	3/8 / 3/4	3/8 / 3/4	3/8 / 7/8	3/8 / 7/8	
Connection wiring	Power wiring	mm2	3*2.1mm2(14AWG)	3*2.1mm2(14AWG)	3*3.3mm2(12AWG)	3*3.3mm2(12AWG)	3*3.3mm2(12AWG)	3*5.3mm2(10AWG)	3*5.3mm2(10AWG)
	Signal wiring	mm2	2*0.8mm2(18AWG)	2*0.8mm2(18AWG)	2*0.8mm2(18AWG)	2*0.8mm2(18AWG)	2*0.8mm2(18AWG)	2*0.8mm2(18AWG)	2*0.8mm2(18AWG)
Shipping Quantity		320	320	228	228	144	144	144	



13 SEER Condensing Units(LG Compressor)- Specifications(Continued)

MODEL		APUA-18CN1P3-13L	APUA-24CN1P3-13L	APUA-30CN1P3-13L	APUA-36CN1P3-13L	APUA-42CN1P3-13L	APUA-48CN1P3-13L	APUA-60CN1P3-13L	
Power supply		V-Ph-Hz 208/230V-1Ph-60Hz208/230V-1Ph-60Hz208/230V-1Ph-60Hz208/230V-1Ph-60Hz208/230V-1Ph-60Hz208/230V-1Ph-60Hz208/230V-1Ph-60Hz208/230V-1Ph-60Hz							
Cooling	Capacity	Btu/h	18000	23000	28000	34600	40000	47000	57000
	SEER		13	13	13	13	13	13	13
MCA	AMPS		11.9	14.3	15.5	20.2	25.2	27.7	31.1
MOP	AMPS		20	25	25	35	40	45	50
Compressor	Model		APA016KAB	APA020KAB	APA026KAB	APA032KAB	ABA036KAC	ABA042KAC	ABA051KAD
	Type		Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll
	Supplier		LG Electronics	LG Electronics	LG Electronics	LG Electronics	LG Electronics	LG Electronics	LG Electronics
	Rated current(RLA)	AMP	9	10.9	11.6	15.3	18.8	20.8	23.5
	Locked rotor Amp(LRA)	AMP	9	53	59	70	90	100	125
	Capacitor	uF	35	35	40	45	45	70	75
Outdoor fan motor	Model		YDK60-6G	YDK60-6G	YDK110-8G	YDK110-8G	YDK230-6G	YDK230-6G	YDK230-6G
	Type		PSC	PSC	PSC	PSC	PSC	PSC	PSC
	Capacitor	uF	6	6	6	6	15	15	15
	Speed	RPM	1075	1075	825	825	1075	1075	1075
	Rated HP		1/12	1/12	1/6	1/6	1/3	1/3	1/3
	Outdoor air flow	m3/h		2600	2688	5100	5520	7175	7460
CFM			1531	1583	3004	3250	4225	4393	4275
Outdoor sound level (sound pressure level)	dB(A)		59.8	59.7	62.3	60.0	64.1	62.8	64.0
Outdoor unit	Dimension(W*H*D)	mm	554X633X554	600X633X600	710X633X710	740X633X740	710X759X710	710X843X710	740X843X740
		inch	21-7/8x24-15/16x21-7/8	23-5/8x24-15/16x23-5/8	28x24-15/16x28	29-1/8x24-15/16x29-1/8	28x29-7/8x28	28x33-3/16x28	29-1/8x33-3/16x29-1/8
	Packing(W*H*D)	mm	582X667X582	628X667X628	738X667X738	768X667X768	738X793X738	738X877X738	768X877X768
		inch	22-9/10x26-1/4x22-9/10	24-7/10x26-1/4x24-7/10	29x26-1/4x29	30-1/5x26-1/4x30-1/5	29x31-1/5x29	29x34-1/2x29	30-1/5x34-1/2x30-1/5
	Net/Gross weight	Kg	58/62	62/66	73/78	73/79	88/95	92/99	95/102
		Lbs	128/137	137/146	161/172	161/172	194/209	203/218	209/225
Refrigerant piping	Liquid side/ Gas side	inch	3/8 / 3/4	3/8 / 3/4	3/8 / 3/4	3/8 / 3/4	3/8 / 3/4	3/8 / 7/8	3/8 / 7/8
Shipping per STD40HQ			320	228	192	180	144	144	135

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