




Multi-Port Reference Guide

FJM Outdoor Unit

		AJ020JCJ2CH/AA	AJ024JCJ3CH/AA	AJ036JCJ5CH/AA	
Model					
Height		31-7/16 in.	31 - 7/16 in.	39 - 9/32 in.	
Width		34 - 5/8 in.	34-5/8 in.	37 in.	
Depth		14 - 5/16 in.	14 - 5/16 in.	13 in.	
Weight		126 lbs.	143 lbs.	166 lbs.	
Sound Level		48 dBA	49 dBA	54 dBA	
Cooling*		17,000 Btu/h	22,000 Btu/h	36,000 Btu/h	
Cooling Range		23 - 115 °F	23 - 115 °F	23 - 115 °F	
Heating**		22,000 Btu/h	25,000 Btu/h	40,000 Btu/h	
Heating Range		5 - 75 °F	5 - 75 °F	5 - 75 °F	
SEER	Non-Ducted	18.5	18.0	18.5	
	Ducted	17.0	16.0	16.5	
EER	Non-Ducted	12.2	12.1	10.4	
	Ducted	11.1	10.1	9.8	
HSPF	Non-Ducted	9.0	9.0	9.5	
	Ducted	8.7	8.7	9.0	
No. of Ports		2	3	5	
Line Set Length	Max Individual		82 ft.	82 ft.	82 ft.
	Max Total		164 ft.	230 ft.	262 ft.
	Max Vertical Separation	Outdoor to Indoor	49 ft.	49 ft.	49 ft.
		Highest to lowest Indoor	25 ft.	25 ft.	25 ft.
Max IDU Connection Ratio		140%	135%	125%	
R-410a Charge		77.6 oz.	98.8 oz.	116.4 oz.	
Volt / Phase / Hz		208-230V / 1 / 60	208-230V / 1 / 60	208-230V / 1 / 60	
MCA		11 A	16.9 A	18.2 A	
MOP		15 A	25 A	30 A	

FJM Indoor Unit

	AJ007JNADCH/AA	AJ009JNADCH/AA	AJ012JNADCH/AA	AJ018JNADCH/AA	AJ024JNADCH/AA
Wall Mount					
Cooling	7,000 Btu/h	9,000 Btu/h	12,000 Btu/h	18,000 Btu/h	22,000 Btu/h
Heating	7,500 Btu/h	10,900 Btu/h	14,000 Btu/h	20,000 Btu/h	25,500 Btu/h
Height	10 - 1/4 in.	10 - 1/4 in.	10 - 1/4 in.	11 - 9/16 in.	11 - 9/16 in.
Width	32 - 1/2 in.	32 - 1/2 in.	32 - 1/2 in.	41 - 7/8 in.	41 - 7/8 in.
Depth	10 - 13/16 in.	10 - 13/16 in.	10 - 13/16 in.	12 - 1/2 in.	12 - 1/2 in.
Weight	21 lbs.	21 lbs.	21 lbs.	29.1 lbs.	31.1 lbs.
Sound Level (L/H)	18 / 38 dBA	18 / 38 dBA	18 / 38 dBA	20 / 42 dBA	25 / 43 dBA
Line Set Diameter	1/4 x 3/8 in.	1/4 x 3/8 in.	1/4 x 3/8 in.	1/4 x 1/2 in.	1/4 x 5/8 in.
Volt / Phase / Hz <i>Powered by Outdoor Unit</i>	208-230 / 1 / 60	208-230 / 1 / 60	208-230 / 1 / 60	208-230 / 1 / 60	208-230 / 1 / 60
Mini 4-Way Cassette (2'x2')					
Cooling		8,900 Btu/h	11,900 Btu/h	17,700 Btu/h	
Heating		9,900 Btu/h	13,000 Btu/h	19,100 Btu/h	
Height		10 in.	10 in.	10 in.	
Width		22 - 5/8 in.	22 - 5/8 in.	22 - 5/8 in.	
Depth		22 - 5/8 in.	22 - 5/8 in.	22 - 5/8 in.	
Weight		24.25 lbs.	24.25 lbs.	25.79 lbs.	
Sound Level (L/H)		27 / 33 dBA	27 / 35 dBA	32 / 39 dBA	
Line Set Diameter		1/4 x 3/8 in.	1/4 x 3/8 in.	1/4 x 3/8 in.	
Volt / Phase / Hz <i>Powered by Outdoor Unit</i>		208-230 / 1 / 60	208-230 / 1 / 60	208-230 / 1 / 60	
Slim Duct					
Cooling		9,000 Btu/h	12,000 Btu/h	18,000 Btu/h	
Heating		10,000 Btu/h	13,000 Btu/h	19,000 Btu/h	
Height		7 - 13/16 in.	7 - 13/16 in.	7 - 13/16 in.	
Width		35 - 7/16 in.	35 - 7/16 in.	43 - 1/4 in.	
Depth		23 - 5/8 in.	23 - 5/8 in.	23 - 5/8 in.	
Weight		51.36 lbs.	51.36 lbs.	77.82 lbs.	
Sound Level (L/H)		25 / 30 dBA	27 / 32 dBA	30 / 33 dBA	
External Static Pressure		0.16 "WC	0.16 "WC	0.16 "WC	
Line Set Diameter		1/4 x 3/8 in.	1/4 x 3/8 in.	1/4 x 1/2 in.	
Volt / Phase / Hz <i>Powered by Outdoor Unit</i>		208-230 / 1 / 60	208-230 / 1 / 60	208-230 / 1 / 60	

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 AIR DISTRIBUTION ENTERPRISES, INC.
 A.D.E. NEW JERSEY, INC.
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Warehouse Location:
 19 Wilbur Street
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Engineering:
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 F: 516-256-3299
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Engineering:
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 F: 516-568-6586
 engineering@adehvac.com

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* Nominal cooling capacities are based on: Indoor temperature: 80°F DB, 67°F WB, Outdoor temperature: 95°F DB, 75°F WB.
 ** Nominal heating capacities are based on: Indoor temperature: 70°F DB, 60°F WB, Outdoor temperature: 47°F DB, 43°F WB.



	Whisper				Max	Pearl		
Indoor Unit	AR09HSFSJWKN	AR12HSFSJWKN	AR18HSFSJWKN	AR24HSFSJWKN	AQN36VFUAGM	AR09JSFDHWKN	AR12JSFDHWKN	
Height	10-1/4 in.	10-1/4 in.	11-9/16 in.	11-9/16 in.	13-9/16 in.	10-1/4 in.	10-1/4 in.	
Width	35 – 9/32 in.	35-9/32 in.	41-7/8 in.	41-7/8 in.	50-3/8 in.	35-9/32 in.	35-9/32 in.	
Depth	10-13/16 in.	10-13/16 in.	12-1/2 in.	12-1/2 in.	10 in.	10-13/16 in.	10-13/16 in.	
Weight	22.9 lb.	22.9 lb.	31 lb.	31 lb.	40 lb.	24.7 lb.	24.7 lb.	
Sound Level Quiet/High	20/40 dBA	20/41 dBA	25/41 dBA	30/44 dBA	33/46 dBA	20/40 dBA	20/41 dBA	
Outdoor Unit	AR09HSFSJWKX	AR12HSFSJWKX	AR18HSFSJWKX	AR24HSFSJWKX	AQX36VFUAGM	AR09JSFDHWKX	AR12JSFDHWKX	
Height	31 – 1/8 in.	21-1/2 in.	31-9/32 in.	37-31/32 in.	45-7/8 in.	25-1/8 in.	25-1/8 in.	
Width	21 – 1/2 in.	31-1/8 in.	34-5/8 in.	34-5/8 in.	36-11/16 in.	34-5/8 in.	34-5/8 in.	
Depth	11 – 1/4 in.	11-1/4 in.	12-3/16 in.	12-5/8 in.	14-3/4 in.	12-3/16 in.	12-3/16 in.	
Weight	78.3 lb.	78.3 lb.	117 lb.	158 lb.	209 lb.	88.18 lb.	88.18 lb.	
Sound Level	45 dBA	46 dBA	51 dBA	54 dBA	58 dBA	45 dBA	45 dBA	
Cooling*	9,000 Btu/h	12,000 Btu/h	18,000 Btu/h	22,000 Btu/h	36,000 Btu/h	9,000 Btu/h	12,000 Btu/h	
Cooling Range	14 – 115 °F	14 – 115 °F	14 – 115 °F	14 – 115 °F	14 – 115 °F	14 – 115 °F	14 – 115 °F	
Heating*	12,000 Btu/h	13,600 Btu/h	20,600 Btu/h	27,000 Btu/h	43,000 Btu/h	12,600 Btu/h	13,600 Btu/h	
Heating Range	5 – 75 °F	5 – 75 °F	5 – 75 °F	5 – 75 °F	5 – 75 °F	5 – 75 °F	5 – 75 °F	
SEER	23.0	22.0	20.5	20.0	18.0	28.1	26.1	
EER	15.25	13.64	13.1	12.55	10.8	15.8	14.12	
COP	4.47	4.0	4.0	3.68	3.16	4.63	4.14	
HSPF	10.5	9.5	9.0	10.0	9.0	12.0	11.5	
Line Set	1/4 x 3/8 in.	1/4 x 3/8 in.	1/4 x 1/2 in.	1/4 x 5/8 in.	1/4 x 5/8 in.	1/4 x 3/8 in.	1/4 x 3/8 in.	
Max. Length	50 ft.	50 ft.	98 ft.	98 ft.	164 ft.	50 ft.	50 ft.	
Max Vertical	26 ft.	26 ft.	50 ft.	50 ft.	98 ft.	26 ft.	26 ft.	
R-410a Charge	44.1 oz.	44.1 oz.	70.5 oz.	81.13 oz.	88.1 oz.	40.56 oz.	40.56 oz.	
Charge Length	25 ft.	25 ft.	25 ft.	25 ft.	25 ft.	25 ft.	25 ft.	
Volt / Phase / Hz	208-230 / 1 / 60	208-230 / 1 / 60	208-230 / 1 / 60	208-230 / 1 / 60	208-230 / 1 / 60	208-230 / 1 / 60	208-230 / 1 / 60	
MCA	9.5 A	9.5 A	17.7 A	18.5 A	19.5 A	10.3 A	10.3 A	
MOP	15 A	15 A	20 A	30 A	30 A	15 A	15 A	

* Cooling and Heating capacities are shown at AHRI rating conditions.

Mini-Split Reference Guide

	CAC - Ducted						CAC – 4 Way Cassette					
Indoor Unit	AC018JNHDC/AA	AC024JNHDC/AA	AC030JNHDC/AA	AC036JNHDC/AA	AC042JNHDC/AA	AC048JNHDC/AA	AC018JN4DCH/AA	AC024JN4DCH/AA	AC030JN4DCH/AA	AC036JN4DCH/AA	AC042JN4DCH/AA	AC048JN4DCH/AA
Height	12-9/16 in.	12-9/16 in.	14-3/16 in.	14-3/16 in.	14-3/16 in.	14-3/16 in.	8 in.	8 in.	11-5/16 in.	11-5/16 in.	11-5/16 in.	11-5/16 in.
Width	45-1/4 in.	45-1/4 in.	47-1/4 in.	47-1/4 in.	47-1/4 in.	47-1/4 in.	33 in.	33 in.	33 in.	33 in.	33 in.	33 in.
Depth	18-7/8 in.	18-7/8 in.	25-9/16 in.	25-9/16 in.	25-9/16 in.	25-9/16 in.	33 in.	33 in.	33 in.	33 in.	33 in.	33 in.
Weight	94.8 lb.	94.8 lb.	128 lb.	128 lb.	128 lb.	128 lb.	33.7 lb.	33.7 lb.	41.89 lb.	41.89 lb.	41.89 lb.	41.89 lb.
Max ESP	.60 in. w.g.	.60 in. w.g.	.80 in. w.g.	.80 in. w.g.	.80 in. w.g.	.80 in. w.g.	N/A	N/A	N/A	N/A	N/A	N/A
Sound Level L/M/H	26/30/34 dBA	28/32/36 dBA	29/33/37 dBA	30/34/38 dBA	34/37/40 dBA	37/40/43 dBA	30/33/36 dBA	30/33/36 dBA	32/35/38 dBA	33/38/43 dBA	34/40/44 dBA	35/41/45 dBA
Outdoor Unit	AC018JXADCH/AA	AC024JXADCH/AA	AC030JXADCH/AA	AC036JXADCH/AA	AC042JXADCH/AA	AC048JXADCH/AA	AC018JXADCH/AA	AC024JXADCH/AA	AC030JXADCH/AA	AC036JXADCH/AA	AC042JXADCH/AA	AC048JXADCH/AA
Height	25-1/8 in.	39-11/16 in.	39-11/16 in.	48 in.	48 in.	48 in.	25-1/8 in.	39-11/16 in.	39-11/16 in.	48 in.	48 in.	48 in.
Width	35-5/8 in.	37 in.	37 in.	37 in.	37 in.	37 in.	34-5/8 in.	37 in.	37 in.	37 in.	37 in.	37 in.
Depth	12-1/4 in.	12-3/4 in.	12-3/4 in.	13 in.	13 in.	13 in.	12-1/4 in.	12-3/4 in.	12-3/4 in.	13 in.	13 in.	13 in.
Weight	99 lb.	142 lb.	154 lb.	194 lb.	194 lb.	194 lb.	99 lb.	142 lb.	154 lb.	194 lb.	194 lb.	194 lb.
Sound Level Cooling/Heating	48/48 dBA	50/50 dBA	50/52 dBA	49/51 dBA	51/53 dBA	53/55 dBA	48/48 dBA	48/48 dBA	50/52 dBA	49/51 dBA	51/53 dBA	53/55 dBA
Cooling*	18,000 Btu/h	24,000 Btu/h	30,000 Btu/h	36,000 Btu/h	42,000 Btu/h	48,000 Btu/h	18,000 Btu/h	24,000 Btu/h	30,000 Btu/h	36,000 Btu/h	42,000 Btu/h	48,000 Btu/h
Cooling Range	(0**) 23 – 115 °F	(0**) 23 – 115 °F	(0**) 23 – 11 °F5	(0**) 23 – 115 °F	(0**) 23 – 115 °F	(0**) 23 – 115 °F	(0**) 23 – 115 °F	(0**) 23 – 115 °F	(0**) 23 – 115 °F	(0**) 23 – 115 °F	(0**) 23 – 115 °F	(0**) 23 – 115 °F
Heating*	20,000 Btu/h	27,000 Btu/h	32,000 Btu/h	40,000 Btu/h	47,000 Btu/h	53,000 Btu/h	20,000 Btu/h	27,000 Btu/h	32,000 Btu/h	40,000 Btu/h	47,000 Btu/h	53,000 Btu/h
Heating Range	-4 – 76 °F	-4 – 76 °F	-4 – 76 °F	-4 – 76 °F	-4 – 76 °F	-4 – 76 °F	-4 – 76 °F	-4 – 76 °F	-4 – 76 °F	-4 – 76 °F	-4 – 76 °F	-4 – 76 °F
SEER	19.6	20.0	19.1	20.0	19.0	18.1	20.1	20.5	19.2	20.5	19.6	18.8
EER	11.2	12.1	11.1	12.0	10.5	9.7	11.7	11.4	10.4	12.1	10.4	9.7
COP	3.4	3.99	3.53	3.55	3.46	3.08	3.66	3.17	3.02	3.37	3.17	3.08
HSPF	10.3	10.5	10.0	10.0	10.0	9.6	10.0	9.7	9.8	9.5	9.5	9.5
Line Set	1/4 x 1/2 in.	1/4 x 5/8 in.	3/8 x 5/8 in	3/8 x 5/8 in	3/8 x 5/8 in	3/8 x 5/8 in	1/4 x 1/2 in	1/4 x 5/8 in	3/8 x 5/8 in	3/8 x 5/8 in	3/8 x 5/8 in	3/8 x 5/8 in
Maximum Length	98 ft.	164 ft.	164 ft.	246 ft.	246 ft.	246 ft.	98 ft.	164 ft.	164 ft.	246 ft.	246 ft.	246 ft.
Max Vertical	66 ft.	98 ft.	98 ft.	98 ft.	98 ft.	98 ft.	66 ft.	98 ft.	98 ft.	98 ft.	98 ft.	98 ft.
R-410a Charge	45.86 oz.	74.08 oz.	91.71 oz.	98.77 oz.	98.77 oz.	98.77 oz.	45.86 oz.	74.08 oz.	91.71 oz.	98.77 oz.	98.77 oz.	98.77 oz.
Charge Length	25 ft.	25 ft.	25 ft.	25 ft.	25 ft.	25 ft.	25 ft.	25 ft.	25 ft.	25 ft.	25 ft.	25 ft.
Volt / Phase / Hz	208-230 / 1 / 60	208-230 / 1 / 60	208-230 / 1 / 60	208-230 / 1 / 60	208-230 / 1 / 60	208-230 / 1 / 60	208-230 / 1 / 60	208-230 / 1 / 60	208-230 / 1 / 60	208-230 / 1 / 60	208-230 / 1 / 60	208-230 / 1 / 60
MCA	7.7 A	11.7 A	19.3 A	22.2 A	22.2 A	22.2 A	7.7 A	11.7 A	19.3 A	22.2 A	22.2 A	22.2 A
MOP	15 A	20 A	30 A	35 A	35 A	35 A	15 A	20 A	30 A	35 A	35 A	35 A

* Cooling and Heating capacities are shown at AHRI rating conditions.

** Cooling operation may be extended with the use of an optional wind baffle accessory.

