

3. Specifications

Model	Indoor Unit		FDMA09AVJU9		FDMA12AVJU9	
	Outdoor Unit		RXP09AVJU9		RXP12AVJU9	
			Cooling	Heating	Cooling	Heating
Power Supply			1 ϕ, 208 - 230 V, 60 Hz		1 ϕ, 208 - 230 V, 60 Hz	
Capacity Rated (Min. - Max.)	Btu/h		9,000 (4,400 ~ 9,400)	10,900 (4,400 ~ 12,800)	10,800 (4,400 ~ 12,400)	12,500 (4,400 ~ 17,000)
Running Current (Rated)	A		4.00 - 3.62	5.22 - 4.72	5.30 - 4.79	5.95 - 5.38
Power Consumption (Rated)	W		811 - 811	1,065 - 1,065	1,080 - 1,080	1,221 - 1,221
Power Factor (Rated)	%		97.5 - 97.3	98.1 - 98.2	98.0 - 98.1	98.7 - 98.6
SEER2			16.0	—	16.0	—
HSPF2			—	9.0	—	9.0
EER2 (Rated)	Btu/W·h		11.1	—	10.0	—
COP2 (Rated)	W/W		—	3.0	—	3.0
Piping Connections	Liquid	in. (mm)	ϕ1/4 (6.4)		ϕ1/4 (6.4)	
	Gas	in. (mm)	ϕ3/8 (9.5)		ϕ3/8 (9.5)	
	Drain	in. (mm)	I.D. ϕ1 (25) / O.D. ϕ1-1/4 (32)		I.D. ϕ1 (25) / O.D. ϕ1-1/4 (32)	
Heat Insulation			Both Liquid and Gas Pipes		Both Liquid and Gas Pipes	
Max. Interunit Piping Length	ft (m)		65-5/8 (20)		65-5/8 (20)	
Max. Interunit Height Difference	ft (m)		49-1/4 (15)		49-1/4 (15)	
Chargeless	ft (m)		49-1/4 (15)		49-1/4 (15)	
Amount of Additional Charge of Refrigerant	oz/ft (g/m)		0.22 (20)		0.22 (20)	
Indoor Unit			FDMA09AVJU9		FDMA12AVJU9	
Heat Exchanger	Rows × Stages, Fin per Inch		3 × 26, 18		3 × 26, 18	
	Fin Spec / Tube		Multi Slit Fin / ϕ5 Hi-XA Tube		Multi Slit Fin / ϕ5 Hi-XA Tube	
Airflow Rate	H / M / L	cfm	401 / 338 / 279	401 / 338 / 279	440 / 367 / 299	440 / 367 / 299
		m³/min	11.4 / 9.6 / 7.9	11.35 / 9.6 / 7.9	12.5 / 10.4 / 8.5	12.45 / 10.4 / 8.5
Fan Motor	H / M / L	rpm	1,128 / 956 / 784	1,128 / 956 / 784	1,179 / 992 / 805	1,179 / 992 / 805
	Drive input	A	0.52		0.61	
Fan	Type		Sirocco Fan		Sirocco Fan	
External Static Pressure	inH ₂ O		Standard 0.20 (0.60 - 0.12)		Standard 0.20 (0.60 - 0.12)	
	Pa		Standard 50 (150 - 30)		Standard 50 (150 - 30)	
Running Current (Rated)	A		0.53 - 0.48	0.53 - 0.48	0.56 - 0.51	0.56 - 0.51
Power Consumption (Rated)	W		96 - 96	96 - 96	108 - 108	108 - 108
Power Factor (Rated)	%		86.9 - 87.0	86.9 - 87.0	92.6 - 91.2	92.6 - 91.2
Temperature Control			Microcomputer Control		Microcomputer Control	
Dimensions (H × W × D)	in. (mm)		9-5/8 × 27-9/16 × 31-1/2 (245 × 700 × 800)		9-5/8 × 27-9/16 × 31-1/2 (245 × 700 × 800)	
Packaged Dimensions (H × W × D)	in. (mm)		11-9/16 × 35-3/8 × 34-7/8 (293 × 899 × 886)		11-9/16 × 35-3/8 × 34-7/8 (293 × 899 × 886)	
Weight (Mass)	lbs (kg)		64 (29)		64 (29)	
Gross Weight (Gross Mass)	lbs (kg)		71 (32)		71 (32)	
Sound Pressure Level	dB(A)		32	32	33	33
Remote Controller (Option)	Wired		BRC1NRV71		BRC1NRV71	
	Wireless		—		—	
Outdoor Unit			RXP09AVJU9		RXP12AVJU9	
Casing Color			Ivory White		Ivory White	
Heat Exchanger	Fin Spec / Tube		Waffle Fin (PE) / ϕ7 Hi-XSL Tube		Waffle Fin (PE) / ϕ7 Hi-XSL Tube	
Fan Motor	Drive input	A	9.00		11.40	
Compressor	Type		Hermetically Sealed Swing Type		Hermetically Sealed Swing Type	
	Model		2Y147BKBX1A		2Y147BKBX1A	
Refrigerant Oil	Type		FW68DA		FW68DA	
	Charge	oz (L)	21.98 (0.65)		21.98 (0.65)	
Refrigerant	Type		R-32		R-32	
	Charge	lbs (kg)	1.74 (0.79)		1.74 (0.79)	
Airflow Rate	cfm (m³/min)		1,126 (31.9)	1,126 (31.9)	1,126 (31.9)	1,126 (31.9)
Fan	Type		Propeller		Propeller	
Running Current (Rated)	A		3.47 - 3.14	4.69 - 4.24	4.74 - 4.28	5.39 - 4.87
Power Consumption (Rated)	W		715 - 715	969 - 969	972 - 972	1,113 - 1,113
Power Factor (Rated)	%		99.1 - 99.0	99.3 - 99.4	98.6 - 98.7	99.3 - 99.4
Dimensions (H × W × D)	in. (mm)		21-15/16 × 26-9/16 × 11-3/16 (557 × 675 × 284)		21-15/16 × 26-9/16 × 11-3/16 (557 × 675 × 284)	
Packaged Dimensions (H × W × D)	in. (mm)		24-7/16 × 31-1/4 × 14-1/8 (620 × 794 × 359)		24-7/16 × 31-1/4 × 14-1/8 (620 × 794 × 359)	
Weight (Mass)	lbs (kg)		72 (33)		72 (33)	
Gross Weight (Gross Mass)	lbs (kg)		77 (35)		77 (35)	
Sound Pressure Level	dB(A)		50	52	50	52
Conditions Based on	Indoor		80.0°FDB (26.7°CDB) / 67.0°FWB (19.4°CWB)	70.0°FDB (21.1°CDB) / 60.0°FWB (15.6°CWB)	80.0°FDB (26.7°CDB) / 67.0°FWB (19.4°CWB)	70.0°FDB (21.1°CDB) / 60.0°FWB (15.6°CWB)
	Outdoor		95.0°FDB (35.0°CDB) / 75.0°FWB (24.0°CWB)	47.0°FDB (8.3°CDB) / 43.0°FWB (6.1°CWB)	95.0°FDB (35.0°CDB) / 75.0°FWB (24.0°CWB)	47.0°FDB (8.3°CDB) / 43.0°FWB (6.1°CWB)
	Piping Length		25 ft		25 ft	
Drawing No.			3D159367		3D159367	
Note(s)			SL: The quiet fan level of the airflow rate setting. External static pressure is changeable in 13 stages by remote controller. Air filter is not standard accessory, but please mount it in the duct system of the suction side. Select its dust collection efficiency (gravity method) 50% or more.			

Conversion Formulae
kcal/h = kW × 860
Btu/h = kW × 3412
cfm = m³/min × 35.3

Model	Indoor Unit		FDMA15AVJU9		FDMA18AVJU9	
	Outdoor Unit		RXP15AVJU9		RXP18AVJU9	
			Cooling	Heating	Cooling	Heating
Power Supply			1 ϕ, 208 - 230 V, 60 Hz		1 ϕ, 208 - 230 V, 60 Hz	
Capacity Rated (Min. - Max.)		Btu/h	14,400 (9,000 ~ 15,700)	18,000 (9,000 ~ 18,500)	17,600 (9,000 ~ 19,600)	21,600 (9,000 ~ 25,000)
Running Current (Rated)		A	6.36 - 5.75	9.03 - 8.17	7.83 - 7.08	10.62 - 9.6
Power Consumption (Rated)		W	1,220 - 1,220	1,758 - 1,758	1,517 - 1,517	2,110 - 2,110
Power Factor (Rated)		%	92.2 - 92.3	93.6 - 93.6	93.1 - 93.2	95.5 - 95.6
SEER2			18.0	—	18.0	—
HSPF2			—	9.2	—	9.2
EER2 (Rated)		Btu/W-h	11.8	—	11.6	—
COP2 (Rated)		W/W	—	3.0	—	3.0
Piping Connections	Liquid	in. (mm)	ϕ1/4 (6.4)		ϕ1/4 (6.4)	
	Gas	in. (mm)	ϕ1/2 (12.7)		ϕ1/2 (12.7)	
	Drain	in. (mm)	I.D. ϕ1 (25) / O.D. ϕ1-1/4 (32)		I.D. ϕ1 (25) / O.D. ϕ1-1/4 (32)	
Heat Insulation			Both Liquid and Gas Pipes		Both Liquid and Gas Pipes	
Max. Interunit Piping Length		ft (m)	98-1/2 (30)		98-1/2 (30)	
Max. Interunit Height Difference		ft (m)	65-5/8 (20)		65-5/8 (20)	
Chargeless		ft (m)	49-1/4 (15)		49-1/4 (15)	
Amount of Additional Charge of Refrigerant		oz/ft (g/m)	0.22 (20)		0.22 (20)	
Indoor Unit			FDMA15AVJU9		FDMA18AVJU9	
Heat Exchanger	Rows × Stages, Fin per Inch		3 × 26, 18		3 × 26, 18	
	Fin Spec / Tube		Multi Slit Fin / ϕ5 Hi-XA Tube		Multi Slit Fin / ϕ5 Hi-XA Tube	
Airflow Rate	H / M / L	cfm	471 / 382 / 284	471 / 382 / 284	609 / 498 / 373	609 / 498 / 373
		m ³ /min	13.4 / 10.8 / 8.0	13.4 / 10.8 / 8.0	17.3 / 14.1 / 10.6	17.25 / 14.1 / 10.6
Fan Motor	H / M / L		rpm 1,019 / 862 / 704		rpm 1,100 / 936 / 762	
	Drive input		A 0.87		A 1.12	
Fan Type	Type		Sirocco Fan		Sirocco Fan	
	External Static Pressure		inH ₂ O Standard 0.20 (0.60 - 0.20)		inH ₂ O Standard 0.20 (0.60 - 0.20)	
		Pa	Standard 50 (150 - 50)		Standard 50 (150 - 50)	
Running Current (Rated)		A	0.62 - 0.56	0.62 - 0.56	0.75 - 0.68	0.75 - 0.68
Power Consumption (Rated)		W	115 - 115	115 - 115	148 - 148	148 - 148
Power Factor (Rated)		%	89.1 - 89.3	89.1 - 89.3	94.6 - 94.8	94.6 - 94.8
Temperature Control			Microcomputer Control		Microcomputer Control	
Dimensions (H × W × D)		in. (mm)	9-5/8 × 39-3/8 × 31-1/2 (245 × 1,000 × 800)		9-5/8 × 39-3/8 × 31-1/2 (245 × 1,000 × 800)	
Packaged Dimensions (H × W × D)		in. (mm)	11-9/16 × 47-3/16 × 34-7/8 (293 × 1,199 × 886)		11-9/16 × 47-3/16 × 34-7/8 (293 × 1,199 × 886)	
Weight (Mass)		lbs (kg)	82 (37)		82 (37)	
Gross Weight (Gross Mass)		lbs (kg)	88 (40)		88 (40)	
Sound Pressure Level		dB(A)	34	34	35	35
Remote Controller (Option)	Wired		BRC1NRV71		BRC1NRV71	
	Wireless		—		—	
Outdoor Unit			RXP15AVJU9		RXP18AVJU9	
Casing Color			Ivory White		Ivory White	
Heat Exchanger	Fin Spec / Tube		Waffle Fin (PE) / ϕ7 Hi-XSL Tube		Waffle Fin (PE) / ϕ7 Hi-XSL Tube	
	Fan Motor		Drive input A 12.70		Drive input A 17.40	
Compressor	Type		Hermetically Sealed Swing Type		Hermetically Sealed Swing Type	
	Model		2Y260BPAX1A		2Y260BPAX1A	
Refrigerant Oil	Type		FW68DA		FW68DA	
	Charge		oz (L) 30.43 (0.90)		oz (L) 30.43 (0.90)	
Refrigerant	Type		R-32		R-32	
	Charge		lbs (kg) 3.04 (1.38)		lbs (kg) 3.04 (1.38)	
Airflow Rate		cfm (m ³ /min)	2,383 (67.5)	2,327 (65.9)	2,383 (67.5)	2,327 (65.9)
Fan Type			Propeller		Propeller	
Running Current (Rated)		A	5.74 - 5.19	8.41 - 7.61	7.08 - 6.40	9.87 - 8.92
Power Consumption (Rated)		W	1,105 - 1,105	1,643 - 1,643	1,369 - 1,369	1,962 - 1,962
Power Factor (Rated)		%	92.6 - 92.6	93.9 - 93.9	93.0 - 93.0	95.6 - 95.6
Dimensions (H × W × D)		in. (mm)	29-1/2 × 34-1/4 × 12-5/8 (750 × 870 × 320)		29-1/2 × 34-1/4 × 12-5/8 (750 × 870 × 320)	
Packaged Dimensions (H × W × D)		in. (mm)	32-1/16 × 40-5/16 × 16 (814 × 1,024 × 406)		32-1/16 × 40-5/16 × 16 (814 × 1,024 × 406)	
Weight (Mass)		lbs (kg)	127 (58)		127 (58)	
Gross Weight (Gross Mass)		lbs (kg)	135 (61)		135 (61)	
Sound Pressure Level		dB(A)	55	57	55	57
Conditions Based on	Indoor		80.0°FDB (26.7°CDB) / 67.0°FWB (19.4°CWB)	70.0°FDB (21.1°CDB) / 60.0°FWB (15.6°CWB)	80.0°FDB (26.7°CDB) / 67.0°FWB (19.4°CWB)	70.0°FDB (21.1°CDB) / 60.0°FWB (15.6°CWB)
	Outdoor		95.0°FDB (35.0°CDB) / 75.0°FWB (24.0°CWB)	47.0°FDB (8.3°CDB) / 43.0°FWB (6.1°CWB)	95.0°FDB (35.0°CDB) / 75.0°FWB (24.0°CWB)	47.0°FDB (8.3°CDB) / 43.0°FWB (6.1°CWB)
	Piping Length		25 ft		25 ft	
Drawing No.			3D159368		3D159368	
Note(s)			SL: The quiet fan level of the airflow rate setting. External static pressure is changeable in 13 stages by remote controller. Air filter is not standard accessory, but please mount it in the duct system of the suction side. Select its dust collection efficiency (gravity method) 50% or more.			

Conversion Formulae	
kcal/h	= kW × 860
Btu/h	= kW × 3412
cfm	= m ³ /min × 35.3

Model	Indoor Unit		FDMA24AVJU9	
	Outdoor Unit		RXP24AVJU9	
		Cooling	Heating	
Power Supply		1 ϕ , 208 - 230 V, 60 Hz		
Capacity Rated (Min. - Max.)	Btu/h	21,800 (9,000 ~ 23,000)	24,000 (9,000 ~ 27,600)	
Running Current (Rated)	A	10.32 - 9.33	11.39 - 10.30	
Power Consumption (Rated)	W	2,117 - 2,117	2,345 - 2,345	
Power Factor (Rated)	%	98.6 - 98.7	99.0 - 99.0	
SEER2		18.3	—	
HSPF2		—	9.2	
EER2 (Rated)	Btu/W·h	10.3	—	
COP2 (Rated)	W/W	—	3.0	
Piping Connections	Liquid	in. (mm)	ϕ 1/4 (6.4)	
	Gas	in. (mm)	ϕ 5/8 (15.9)	
	Drain	in. (mm)	I.D. ϕ 1 (25) / O.D. ϕ 1-1/4 (32)	
Heat Insulation		Both Liquid and Gas Pipes		
Max. Interunit Piping Length	ft (m)	98-1/2 (30)		
Max. Interunit Height Difference	ft (m)	65-5/8 (20)		
Chargeless	ft (m)	49-1/4 (15)		
Amount of Additional Charge of Refrigerant	oz/ft (g/m)	0.22 (20)		
Indoor Unit		FDMA24AVJU9		
Heat Exchanger	Rows \times Stages, Fin per Inch	3 \times 26, 18		
	Fin Spec / Tube	Multi Slit Fin / ϕ 5 Hi-XA Tube		
Airflow Rate	H / M / L	cfm	666 / 553 / 426	666 / 553 / 426
		m ³ /min	18.9 / 15.7 / 12.1	18.85 / 15.7 / 12.1
Fan Motor	H / M / L	rpm	1,153 / 980 / 807	1,153 / 980 / 807
	Drive input	A	1.24	
Fan	Type	Sirocco Fan		
External Static Pressure	inH ₂ O	Standard 0.20 (0.60 - 0.20)		
	Pa	Standard 50 (150 - 50)		
Running Current (Rated)	A	0.81 - 0.73	0.81 - 0.73	
Power Consumption (Rated)	W	164 - 164	164 - 164	
Power Factor (Rated)	%	97.5 - 97.2	97.5 - 97.2	
Temperature Control		Microcomputer Control		
Dimensions (H \times W \times D)	in. (mm)	9-5/8 \times 39-3/8 \times 31-1/2 (245 \times 1,000 \times 800)		
Packaged Dimensions (H \times W \times D)	in. (mm)	11-9/16 \times 47-3/16 \times 34-7/8 (293 \times 1,199 \times 886)		
Weight (Mass)	lbs (kg)	82 (37)		
Gross Weight (Gross Mass)	lbs (kg)	88 (40)		
Sound Pressure Level	dB(A)	40	40	
Remote Controller (Option)	Wired	BRC1NRV71		
	Wireless	—		
Outdoor Unit		RXP24AVJU9		
Casing Color		Ivory White		
Heat Exchanger	Fin Spec / Tube	Waffle Fin (PE) / ϕ 7 Hi-XSL Tube		
Fan Motor	Drive input	A	17.60	
Compressor	Type	Hermetically Sealed Swing Type		
	Model	2Y260BPAX1A		
Refrigerant Oil	Type	FW68DA		
	Charge	oz (L)	30.43 (0.90)	
Refrigerant	Type	R-32		
	Charge	lbs (kg)	3.04 (1.38)	
Airflow Rate	cfm (m ³ /min)	2,383 (67.5)	2,327 (65.9)	
Fan	Type	Propeller		
Running Current (Rated)	A	9.51 - 8.60	10.58 - 9.57	
Power Consumption (Rated)	W	1,953 - 1,953	2,181 - 2,181	
Power Factor (Rated)	%	98.7 - 98.7	99.1 - 99.1	
Dimensions (H \times W \times D)	in. (mm)	29-1/2 \times 34-1/4 \times 12-5/8 (750 \times 870 \times 320)		
Packaged Dimensions (H \times W \times D)	in. (mm)	32-1/16 \times 40-5/16 \times 16 (814 \times 1,024 \times 406)		
Weight (Mass)	lbs (kg)	127 (58)		
Gross Weight (Gross Mass)	lbs (kg)	135 (61)		
Sound Pressure Level	dB(A)	55	57	
Conditions Based on	Indoor	80.0°FDB (26.7°CDB) / 67.0°FWB (19.4°CWB)		70.0°FDB (21.1°CDB) / 60.0°FWB (15.6°CWB)
	Outdoor	95.0°FDB (35.0°CDB) / 75.0°FWB (24.0°CWB)		47.0°FDB (8.3°CDB) / 43.0°FWB (6.1°CWB)
	Piping Length	25 ft		
Drawing No.	3D159368			
Note(s)	SL: The quiet fan level of the airflow rate setting. External static pressure is changeable in 13 stages by remote controller. Air filter is not standard accessory, but please mount it in the duct system of the suction side. Select its dust collection efficiency (gravity method) 50% or more.			

Conversion Formulae
kcal/h = kW \times 860
Btu/h = kW \times 3412
cfm = m ³ /min \times 35.3