

# DAIZUKI®



**FULL DC  
INVERTER**

**18 SEER** R410A REFRIGERANT

**AHRI CERTIFIED**  
Utility Small AC  
AHRI Standard 210/240  
Capacity and efficiency values for complete system  
in AHRI test cycle.



**UL US**  
LISTED 23NU

**NOISELESS**

# Condensing Unit & Air Handler System



**18**  
SEER

Model			CXN1824-070BY	CXN1836-105BY	CXN1848-120BY	CXN1860-140BY	
Type			Air Handler	Air Handler	Air Handler	Air Handler	
Indoor Unit	Total Capacity	Cooling Nominal (Min-Max)	Btu/h <b>24000</b> (11770-26500)	<b>35000</b> (15200-39900)	<b>41000</b> (17810-46400)	<b>48000</b> (25100-54500)	
		SEER	Btu/h.W <b>18.00</b>	<b>17.50</b>	<b>17.50</b>	<b>17.50</b>	
	Electrical Data	Power Supply	V/Ph/Hz	208-230V/1/60Hz	208-230V/1/60Hz	208-230V/1/60Hz	208-230V/1/60Hz
		Min/Max Voltage	V	187/254	187/254	187/254	187/254
		Fuse	A	3.15	3.15	3.15	3.15
		Sound Pressure Level (H/ML)*	dB (A)	44	52	52	52
		Sound Power Level (H/ML)*	dB (A)	54	62	63	63
		Air Flow Volume	m³/h	1200	1954	2209	2400
	Fan Motor	Drive Type	-	Direct	Direct	Direct	Direct
		Speed	rpm	570/460	900	1050	1050
		Power Output	W	0.059	0.5	0.75	0.75
		Full Load Amp (FLA)	A	0.52	3.60	4.60	4.60
	Fan	Type	-	Centrifugal	Centrifugal	Centrifugal	Centrifugal
		Diameter-Height	Inch	9.53-8.11	10.24-9.69	10.87-11.26	10.87-11.26
	Evaporator	Material	-	Aluminum Fin-Copper Tube	Aluminum Fin-Copper Tube	Aluminum Fin-Copper Tube	Aluminum Fin-Copper Tube
		Length×Height×Width	mm	413×66×457.2	413×66×588.8	413×88×609.6	413×88×609.6
	Operation Temp	Cooling	°C	19.4-46.1	19.4-46.1	19.4-46.1	19.4-46.1
		Drain Connection Size	Inch	3/4	3/4	3/4	3/4
	System Operation Control	-	Wired Control	Wired Control	Wired Control	Wired Control	
Dimension	Outline Dimension (W×D×H)	mm	532×540×1105	532×540×1224	621×540×1224	621×540×1224	
	Package Dimension (L×W×H)	mm	572×597×1160	572×607×1280	656×622×1280	656×622×1280	
Weight	Net Weight	Kg	57.0	63.0	74.0	74.0	
	Gross Weight	Kg	61.0	69.0	81.0	81.0	
Model			CVX1824-070BY	CVX1836-105BY	CVX1848-120BY	CVX1860-140BY	
Total Capacity	Cooling Nominal (Min-Max)	Btu/h	<b>24000</b> (11770-26500)	<b>35000</b> (15200-39900)	<b>41000</b> (17810-46400)	<b>48000</b> (25100-54500)	
	SEER	Btu/h.W	<b>18.00</b>	<b>17.50</b>	<b>17.50</b>	<b>17.50</b>	
Electrical Data	Power Supply	V/Ph/Hz	208-230V/1/60Hz	208-230V/1/60Hz	208-230V/1/60Hz	208-230V/1/60Hz	
	Max. Overcurrent Protection	A	16.9	30.0	40.0	40.0	
	Min/Max Voltage	V	187/254V	187/254V	187/254V	187/254V	
	Sound Pressure Level (H/ML)*	dB (A)	57	62	63	63	
	Sound Power Level (H/ML)*	dB (A)	67	72	73	73	
Refrigerant	Type	-	9.26 R410A	13.67 R410A	16.36 R410A	16.36 R410A	
	Power Input	W	2200	3010	3010	4580	
Compressor	Rated Load Amp (RLA)	A	9.7	13.2	13.2	21.0	
	Thermal Protector	-	Internal	Internal	Internal	Internal	
Fan Motor	Drive Type	-	Direct	Direct	Direct	Direct	
	Speed (H/ML)*	rpm	1015/790	845/690	1080/900	1080/900	
	Power Output	HP	1/9	1/7	1/4	1/4	
	Full Load Amp (FLA)	A	0.65	0.74	1.25	1.25	
	Insulation Class	-	B	B	A	A	
Fan	Safe Class	-	IP44	IP44	IP44	IP44	
	Type	-	Axial-Flow	Axial-Flow	Axial-Flow	Axial-Flow	
	Quantity	-	3	3	3	3	
Condenser	Diameter-Height	Inch	18.11	22.04	22.04	22.04	
	Material	-	0.8	0.8	0.8	0.8	
	Face Area	sq.ft	720×515×255	795×525×290	890×670×320	890×670×320	
		m²	835×382×600	907×382×600	1020×430×760	1020×430×760	
	Permissible Excessive Operating Pressure for Discharge Side	Mpa	3.17	3.17	3.17	3.17	
	Permissible Excessive Operating Pressure for Suction Side	Mpa	1.66	1.66	1.66	1.66	
Operation Temp	Cooling	°C	19.4-46.1	19.4-46.1	19.4-46.1	19.4-46.1	
	Moisture Protection	-	IP24	IP24	IP24	IP24	
Dimension	Outline Dimension (W×D×H)	mm	610×610×620	710×710×735	710×710×850	750×750×850	
	Package Dimension (L×W×H)	mm	651×651×620	773×773×755	773×773×1005	773×773×1005	
Weight	Net Weight	Kg	52	71	77	96	
	Gross Weight	Kg	56	75	81	110	
Connection Pipe	Valve Connection Type	-	Brazing	Brazing	Brazing	Brazing	
	Length	m	7.5	7.5	7.5	7.5	
	Gas Additional Charge	g/m	30	30	60	60	
	Outer Diameter	Liquid Pipe	Inch	3/8	3/8	3/8	1/2
		Gas Pipe	Inch	5/8	3/4	7/8	7/8
	Max Distance	Height	m	15	15	15	15
Length		m	30	30	30	30	



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