

enviAIR

CENTRAL AIR SYSTEMS



FLEXXIQ CENTRAL SYSTEMS

Whole Home Heating & Cooling

The FlexxIQ is EnviAir's central air system tailored for southern climates, utilizing a 24 VAC and a horizontal (side) discharge design. It is ideal for both the add-on replacement market and new construction projects. The FlexxIQ is known for its quiet operation and compact outdoor footprint, making it an excellent choice for efficient and unobtrusive cooling solutions.

FEATURES:

- ✓ Up to 19 SEER2
- ✓ Cooling range: 5°F - 118°F
- ✓ Heating range: 5°F - 75°F
- ✓ Inverter Technology



enviAIR CENTRAL AIR SYSTEMS

System Name			FlexxIQ 24k 2-Ton Central Heat Pump	FlexxIQ 36K 3-Ton Central Heat Pump	FlexxIQ 48k 4-Ton Central Heat Pump	FlexxIQ 60K 5-Ton Central Heat Pump
System Type			Heat Pump	Heat Pump	Heat Pump	Heat Pump
Model Number			ECSS19A24FL230A	ECSS19A36FL230A	ECSS19A48FL230A	ECSS19A60FL230A
System Performance						
Cooling Capacity	Min-Max	Btu/hr	17000 - 37400	17000 - 37400	35000-54000	35000-54000
	Rated Capacity @ 95°F	Btu/hr	24000	34000	48000	54000
Heating Capacity	Min-Max	Btu/hr	17000 - 38000	17000 - 38000	35000-60000	35000-60000
	Rated Capacity @ 47°F	Btu/hr	24000	34000	48000	54000
SEER2			19	19	19	19
EER2			11.7	11.7	11.7	11.7
HSPF2			8.3	8.3	9.5	9.5
COP @ 5°F			3.5	3.5	3.4	3.4
Cooling Temperature Range		°F	64-90	64-90	64-90	64-90
Heating Temperature Range		°F	50-81	50-81	50-81	50-81
Refrigerant Type			R32	R32	R32	R32
Indoor Unit			FlexxIQ 24K 2-Ton Central Air Handler IDU	FlexxIQ 36K 3-Ton Central Air Handler IDU	FlexxIQ 48K 4-Ton Central Air Handler IDU	FlexxIQ 60K 5-Ton Central Air Handler IDU
Model Number			ECSI19A24FL230A	ECSI19A36FL230A	ECSI19A48FL230A	ECSI19A60FL230A
Air Flow (Min - Max)		CFM	1000	1000	1500	1500
Sound Pressure Level (Min - Max)		dB(A)	51-61	51-61	53-63	53-63
Dehumidification		pt/hr	6.02	6.02	12.13	12.13
External Dimensions (W x H x D)		in	21.3 x 48.2 x 21.3	21.3 x 48.2 x 21.3	24.8 x 52.0 x 21.3	24.8 x 52.0 x 21.3
Package Dimensions (W x H x D)		in	23.7 x 51.0 x 26.0	23.7 x 51.0 x 26.0	26.0 x 54.8 x 27.3	26.0 x 54.8 x 27.3
Net Weight		lbs	163.1	163.1	199.5	199.5
Gross Weight		lbs	178.6	178.6	218.3	218.3
Outdoor Unit			FlexxIQ 24K 2-Ton Central Condenser ODU	FlexxIQ 36K 3-Ton Central Condenser ODU	FlexxIQ 48K 4-Ton Central Condenser ODU	FlexxIQ 60K 5-Ton Central Condenser ODU
Model Number			ECSO19A36FL230A	ECSO19A36FL230A	ECSO19A60FL230A	ECSO19A60FL230A
Compressor Type			Inverter Rotary	Inverter Rotary	Inverter Rotary	Inverter Rotary
Sound Pressure Level		dB(A)	70	70	72	72
External Dimensions (W x H x D)		in	36.3 x 29.4 x 14.6	36.3 x 29.4 x 14.6	35.4 x 49.6 x 13.4	35.4 x 49.6 x 13.4
Package Dimensions (W x H x D)		in	42.4 x 30.9 x 18.9	42.4 x 30.9 x 18.9	40.4 x 50.6 x 17.1	40.4 x 50.6 x 17.1
Net Weight		lbs	125.0	125.0	214.0	214.0
Gross Weight		lbs	133.4	133.4	236.0	236.0
Refrigerant Piping						
Refrigerant Charge - R32		oz	98.8	98.8	148.2	148.2
Additional Charge		oz/ft	0.2	0.2	0.2	0.2
Line Set Size (Liquid - Gas) - Flared Connections		in	3/8-3/4	3/8-3/4	3/8-3/4	3/8-3/4
Pre- Charge Length		ft	31	31	31	31
Pipe Length (Max)		ft	98.4	98.4	98.4	98.4
Max Pipe Elevation		ft	49.2	49.2	49.2	49.2
Electrical Outdoor Unit						
Power Supply			208-230VAC Single Phase 60Hz			
Voltage Range (Min - Max)		VAC	187-253	187-253	187-253	187-253
Rated Current - Cooling		A	10.36	17.5	21.08	31.0
Rated Current - Heating		A	10.05	11.5	21.81	32.0
MOCP		A	25	25	40	40
MCA		A	21.6	21.6	35.5	35.5
Suggested Breaker Size		A	25	25	40	40
Main Power Wire Size		AWG	10/2	10/2	8/2	8/2
Interconnecting Wire Size		AWG	AWG 18	AWG 18	AWG 18	AWG 18
Electrical Indoor Unit						
Power Supply			208-230VAC Single Phase 60Hz			
Voltage Range (Min - Max)		VAC	187-253	187-253	187-253	187-253
Rated Current - Cooling		A	1	1.6	2.1	2.8
Rated Current - Heating		A	1	1.5	1.9	2.5
MOCP		A	15	15	15	15
MCA		A	5.3	5.3	7.7	7.7
Suggested Breaker Size		A	15	15	15	15
Main Power Wire Size		AWG	14/2	14/2	14/2	14/2
Interconnecting Wire Size		AWG	AWG 18	AWG 18	AWG 18	AWG 18
Limited Warranty			Residential: 10 Years Parts, 10 Years Compressor / Commercial: 5 Years Parts, 5 Years Compressor			