

# MULTI-ZONE MINI-SPLIT SOLUTIONS |

Endure features, benefits, and performance, available now for multi-zone applications.

Matching one outdoor unit with a variety of multiple indoor units provides contractors unprecedented application flexibility.



Proper sizing and installation of equipment is critical to achieve optimal performance. Split system air conditioners and heat pumps must be matched with appropriate coil components to meet **ENERGY STAR** Criteria. Ask your contractor for details or visit [www.energystar.gov](http://www.energystar.gov).




## MULTI-ZONE QUICK REFERENCE |

Series	Outdoor	Capacity					Standard Controller	Optional Controller
		7K	9K	12K	18K	24K		
Endure Multi	 ASH220N (2 Zone)	 ASYW07U	 ASYW09U	 ASYW12U	 ASYW18U		 WJ01X25115*	 ACT17CWA
	 ASH324N (2 Zone)		 USYM09U	 USYM12U	 USYM18U	 USYM24U	N/A	 ACT17CWA
	 ASH436N (4 Zone)	 AB09SC	 AB12SC	 AB18SC	 AL24LP		 WJ01X25115*	 ACT17CWA
		 USYF09U	 USYF12U	 USYF18U				



\*Remote controller WJ01X25115 is shipped with indoor unit. For cassette unit, remote controller is shipped with the cassette panel.

# MULTI-ZONE CAPACITY COMBINATION MATRIX |




## ASH220NCDWA

Zones	Combinations		Total System Capacity
	Unit A	Unit B	
<b>TWO ZONES</b>	7K	7K	14K
	7K	9K	16K
<b>Unit A</b>	9K	9K	18K
<b>Unit B</b>	7K	12K	19K
	9K	12K	21K
	12K	12K	24K

## ASH324NCDWA

Zones	Combinations			Total System Capacity
	Unit A	Unit B	Unit C	
<b>TWO ZONE</b>	—	7K	7K	14K
	—	7K	9K	16K
<b>Unit B</b>	—	9K	9K	18K
<b>Unit C</b>	—	7K	12K	19K
	—	9K	12K	21K
	—	12K	12K	24K
	—	7K	18K	25K
	—	9K	18K	27K
	—	12K	18K	30K
<b>THREE ZONE</b>	7K	7K	7K	21K
	7K	7K	9K	23K
<b>Unit A</b>	7K	9K	9K	25K
<b>Unit B</b>	7K	7K	12K	26K
<b>Unit C</b>	9K	9K	9K	27K
	7K	9K	12K	28K
	9K	9K	12K	30K

## ASH436NCDWA

Zones	Combinations				Total System Capacity
	Unit A	Unit B	Unit C	Unit D	
<b>TWO ZONE</b>	—	—	9K	18K	27K
	—	—	12K	18K	30K
<b>Unit C</b>	—	—	7K	24K	31K
<b>Unit D</b>	—	—	9K	24K	33K
	—	—	12K	24K	36K
	—	—	18K	18K	36K
	—	—	24K	18K	42K
	—	9K	9K	9K	27K
	—	7K	9K	12K	28K
	—	9K	9K	12K	30K
	—	7K	12K	12K	31K
<b>THREE ZONE</b>	—	7K	7K	18K	32K
	—	9K	12K	12K	33K
<b>Unit B</b>	—	7K	9K	18K	34K
<b>Unit C</b>	—	9K	9K	18K	36K
<b>Unit D</b>	—	12K	12K	12K	36K
	—	7K	12K	18K	37K
	—	7K	7K	24K	38K
	—	9K	12K	18K	39K
	—	7K	9K	24K	40K
	—	9K	9K	24K	42K
	—	12K	12K	18K	42K
	—	7K	12K	24K	43K
	—	9K	12K	24K	45K
	7K	7K	7K	7K	28K
	7K	7K	7K	9K	30K
	7K	7K	9K	9K	32K
	7K	7K	7K	12K	33K
	7K	9K	9K	9K	34K
<b>FOUR ZONE</b>	7K	7K	9K	12K	35K
	9K	9K	9K	9K	36K
<b>Unit A</b>	7K	9K	9K	12K	37K
<b>Unit B</b>	7K	7K	12K	12K	38K
<b>Unit C</b>	7K	7K	7K	18K	39K
<b>Unit D</b>	9K	9K	9K	12K	39K
	7K	9K	12K	12K	40K
	7K	7K	9K	18K	41K
	9K	9K	12K	12K	42K
	7K	9K	9K	18K	43K
	7K	12K	12K	12K	43K
	7K	7K	12K	18K	44K
	7K	7K	7K	24K	45K
	9K	9K	9K	18K	45K
	9K	12K	12K	12K	45K



# MULTI-ZONE OUTDOOR UNITS |



Endure features, benefits, and performance, available now for multi-zone applications.

With the integration of Heat Plus technology, the Endure Series provides an exceptional experience for year-round comfort. The system is capable of providing 100% rated heating capacity at 5°F and toasty warm air at -15°F.

## Specifications

**Compressor Type:**  
DC Inverter Driven Rotary

**Voltage/Cycle/Phase:**  
208-230/60/1

**Operating Range (°F):**



2 Zones



3 Zones



4 Zones



Outdoor Units		ASH220NCDWA	ASH324NCDWA	ASH436NCDWA
UPC		0-84691-84673-4	0-84691-84678-9	0-84691-85169-1
Cooling Non-Ducted	Rated Capacity Btu/hr	18,100	22,000	34,000
	Capacity Range Btu/hr	7,000 - 20,000	6,000 - 23,600	6,000 - 38,000
	Rated Power Input W	1,448	1,760	2,720
	SEER/EER	17/12.5	18.5/12.5	20/12.5
Cooling Ducted	Rated Capacity Btu/hr	18,100	21,000	34,400
	Capacity Range Btu/hr	6,000 - 19,000	6,000 - 22,300	6,000 - 37,000
	Rated Power Input W	1,724	2,000	2,740
	SEER/EER	15/10.5	15/10.5	17/10
Heating Non-Ducted	Heating Capacity Range Btu/hr	8,000 - 23,000	8,000 - 30,600	8,000 - 39,000
	Rated Heating Capacity 47°F Btu/hr	20,000	24,000	36,000
	COP	3.7	4.2	3.8
	Rated Heating Capacity 17°F Btu/hr	14,000	16,000	22,000
	Max. Heating Capacity 5°F Btu/hr	23,500	24,000	36,000
	Max. Heating Capacity -15°F Btu/hr	17,250	18,000	25,700
	Rated Power Input W	1,504	1,572	2,710
	HSPF	10.5	10.5	10.5
Heating Ducted	Heating Capacity Range Btu/hr	8,000 - 21,000	8,000 - 28,600	8,000 - 39,000
	Rated Heating Capacity 47°F Btu/hr	20,000	22,000	35,000
	COP	3.0	3.1	3.6
	Rated Heating Capacity 17°F Btu/hr	14,000	16,000	22,600
	Max. Heating Capacity 5°F Btu/hr	21,000	23,200	35,000
	Max. Heating Capacity -15°F Btu/hr	16,300	17,100	25,200
	Rated Power Input W	2,255	2,230	2,710
	HSPF	9.6	9.3	10.5
Power Supply	Wire Size between ID and OD	14/4 AWG Stranded	14/4 AWG Stranded	14/4 AWG Stranded
	Maximum Fuse Size A	25	25	40
	Minimum Circuit Amp A	15	16	30
Outdoor Unit	Base Pan Heater	Standard	Standard	Standard
	Outdoor Fan Speed RPM	300-900	300-900	300-900
	Outdoor Noise Level dB	56	56	55
	Dimension: Height in (mm)	33.1(840)	33.1(840)	38.0 (965)
	Dimension: Width in (mm)	37.3(948)	37.3(948)	37.4(950)
	Dimension: Depth in (mm)	13.4(340)	13.4(340)	14.6(370)
	Weight Ship/Net - lbs (kg)	202.3/185.6 (91.7/84.2)	205.9/189.5 (93.4/85.9)	241/221 (109.7/100.6)
Connectable Indoor unit quantity	2	2 or 3	2, 3 or 4	
Refrigerant Lines	Connections	Flare	Flare	Flare
	Liquid O.D. in	1/4 1/4	1/4 1/4 1/4	1/4 1/4 1/4 1/4
	Suction O.D. in	3/8 3/8	3/8 3/8 1/2	3/8 3/8 3/8 1/2
	Factory Charge Oz	99	99	113
	Maximum Line Length Ft / m	164/50	196/60	230/70
	Maximum Height Ft / m	50/15	50/15	50/15
	Maximum Line Length for each individual indoor unit Ft / m	82/25	82/25	82/25

# MULTI-ZONE INDOOR UNITS |

## FEATURES & BENEFITS:

- Blue Fin coating
- Long distance air supply
- Quiet operation down to 22dB(A)
- Turbo mode for faster cooling and heating
- WiFi Compatible



## Highwall Indoor

	ASYW07URDWA	ASYW09URDWA	ASYW12URDWA	ASYW18URDWA
<b>UPC</b>	<b>0-84691-84677-2</b>	<b>0-84691-84676-5</b>	<b>0-84691-84675-8</b>	<b>0-84691-84674-1</b>
Rated Cooling Capacity Btu/hr	7,000	9,000	12,000	19,000
Rated Heating Capacity Btu/hr	10,000	10,000	16,500	20,400
Voltage, Cycle, Phase V/Hz/-	208-230/60/1	208-230/60/1	208-230/60/1	208-230/60/1
Airflow CFM (Turbo/H/M/L/Quiet)	420/360/300/240/180	470/410/350/290/230	440/410/380/311/260	710/650/560/440/410
Indoor Sound dB (Turbo/H/M/L/Quiet)	43/38/33/26/22	43/38/33/26/22	44/39/34/27/23	49/47/42/36/34
Dimension: H x W x D in (mm)	12 1/4 x 35 3/8 x 8 1/4 (310 x 900 x 210)	12 1/4 x 35 3/8 x 8 1/4 (310 x 900 x 210)	12 1/4 x 35 3/8 x 8 1/4 (310 x 900 x 210)	14 3/8 x 43 7/8 x 9 5/8 (336 x 1115 x 243)
Weight Ship/Net - lbs (kg)	30.9/25.3 (14/11.5)	30.9/25.3 (14/11.5)	30.9/25.3 (14/11.5)	45.4/37.5 (20.6/17)
Liquid /Suction O.D. in	1/4 3/8	1/4 3/8	1/4 3/8	1/4 1/2

Compatible with WiFi Adapter (QAWF01A)

## FEATURES & BENEFITS:

- Built-in condensate pump
- Up to 0.6" wg external static
- Compatible with all wired controllers
- Dry contact for auxiliary heat available
- Dry contact for outside air damper available
- Supply air plenum kit available
- MERV filter box kit available



## Mid-Static Ducted Units

	USYM09UCDSA	USYM12UCDSA	USYM18UCDSA	USYM24UCDSA
<b>UPC</b>	<b>0-84691-85155-4</b>	<b>0-84691-85156-1</b>	<b>0-84691-85157-8</b>	<b>0-84691-85158-5</b>
Rated Cooling Capacity Btu/hr	9,000	12,000	18,000	24,000
Rated Heating Capacity Btu/hr	10,000	13,000	19,000	25,000
Voltage, Cycle, Phase V/Hz/-	208-230/60/1	208-230/60/1	208-230/60/1	208-230/60/1
Airflow (Turbo/High/Med/Low/Quiet) CFM	424/353/294/235/176	494/424/353/294/235	735/635/541/470/400	835/735/635/541/470
Max. External Static Pressure in.W.G (Pa)	0.6 (150)	0.6 (150)	0.6 (150)	0.6 (150)
Indoor Sound Level dB (Turbo/High/Med/Low/Quiet)	44/41/38/35/32	47/44/41/38/35	48/45/42/39/36	50/47/44/41/38
Chassis Dimension: HxWxD in (mm)	9.7 x 27.5 x 27.5 (248 x 700 x 700)	9.7 x 27.5 x 27.5 (248 x 700 x 700)	9.7 x 43.3 x 27.5 (248 x 1100 x 700)	9.7 x 43.3 x 27.5 (248 x 1100 x 700)
Weight Ship/Net - lbs (kg)	90.4/63.1 (41/28.6)	90.4/63.1 (41/28.6)	121.3/89.3 (55/40.5)	121.3/89.3 (55/40.5)
Liquid / Suction O.D. in	1/4 3/8	1/4 3/8	1/4 3/8	3/8 5/8
Drainpipe Size O.D. in	5/8	5/8	5/8	5/8
Condensate Pump	Standard	Standard	Standard	Standard
Max. Drain-Lift height in(mm)	39 (1000)	39 (1000)	39 (1000)	39 (1000)

Note: MSP ducted units do not include controller. Built-In WiFi  
A controller must be ordered separately.

# MULTI-ZONE INDOOR UNITS |

## FEATURES & BENEFITS:

- Blue Fin coating
- 09, 12, 18 fits 2' x 2' drop ceiling
- 24 fits 3' x 3'
- Easy access of electrical wiring
- Built-in condensate pump
- 4" fresh air knock out



## Cassette Indoor

	AB09SC2VHA	AB12SC2VHA	AB18SC2VHA	AL24LP2VHA
UPC	6-88057-40546-9	6-88057-40547-6	6-88057-40548-3	6-88057-40812-5
Rated Cooling Capacity Btu/hr	9,000	12,000	18,000	24,200
Rated Heating Capacity Btu/hr	10,000	13,000	19,000	27,300
Voltage, Cycle, Phase V/Hz/-	208-230/60/1	208-230/60/1	208-230/60/1	208-230/60/1
Airflow CFM (Turbo/H/M/L/Quiet)	410/365/305/265/205	410/365/305/265/205	470/410/365/295/252	600/550/430/360/310
Indoor Sound dB (Turbo/H/M/L/Quiet)	43/40/37/34/31	45/42/39/36/33	45/42/39/36/33	38/36/33/29/26
Grille Model	PB-700KB	PB-700KB	PB-700KB	PB-950KB
Chassis Dimension: HxWxD in (mm)	10 1/4 x 22 7/16 x 22 7/16 (260 x 570 x 570)	10 1/4 x 22 7/16 x 22 7/16 (260 x 570 x 570)	10 1/4 x 22 7/16 x 22 7/16 (260 x 570 x 570)	9 5/8 x 33 1/8 x 33 1/8 (246 x 840 x 840)
Grille Dimension: HxWxD in (mm)	2 3/8 x 27 9/16 x 27 9/16 (60 x 700 x 700)	2 3/8 x 27 9/16 x 27 9/16 (60 x 700 x 700)	2 3/8 x 27 9/16 x 27 9/16 (60 x 700 x 700)	2 x 37 3/8 x 37 3/8 (50 x 950 x 950)
Weight Ship/Net - lbs (kg)	43.9/34 (19.9/15.4)	48.5/40.8 (22/18.5)	48.5/40.8 (22/18.5)	79.4/68.3 (36/31)
Liquid / Suction O.D. in	1/4 3/8	1/4 3/8	1/4 1/2	3/8 5/8
Drainpipe Size O.D. in	1 1/4	1 1/4	1 1/4	1
Condensate Pump	Standard	Standard	Standard	Standard
Max. Drain-Lift Height in (mm)	27 9/16 (700)	27 9/16 (700)	27 9/16 (700)	47 1/4 (1200)

## FEATURES & BENEFITS:

- Mounted on floor or low wall installation
- Quiet operation
- Two-way air supply option



## Console Units

	USYF09UCDWA	USYF12UCDWA	USYF18UCDWA
UPC	0-84691-85152-3	0-84691-85153-0	0-84691-85154-7
Rated Cooling Capacity Btu/hr	9,000	12,000	15,000
Rated Heating Capacity Btu/hr	10,000	13,000	18,000
Voltage, Cycle, Phase V/Hz/-	208-230/60/1	208-230/60/1	208-230/60/1
Airflow (Turbo/High/Med/Low/Quiet) CFM	264/235/205/176/147	294/264/205/176/147	341/311/282/252/223
Indoor Sound Level dB (Turbo/High/Med/Low/Quiet)	40/36/32/25/20	42/38/34/26/21	46/42/37/33/28
Chassis Dimension: HxWxD in (mm)	23.6 x 27.5 x 8.7 (600 x 700 x 220)	23.6 x 27.5 x 8.7 (600 x 700 x 220)	23.6 x 27.5 x 8.7 (600 x 700 x 220)
Weight Ship/Net - lbs (kg)	43.4/36.4 (19.7/16.5)	43.4/36.4 (19.7/16.5)	43.4/36.4 (19.7/16.5)
Liquid / Suction O.D. in	1/4 3/8	1/4 3/8	1/4 1/2
Drainpipe Size O.D. in	5/8	5/8	5/8

