

Specifications, Performance & Submittal

**Model:
Wall Air Handler
208-230V
30k-36k**

Wall Air Handler

Model		Single Zone			Capacity	Voltage	Product Revision
A	D	W	A	L		D	A
Advantage Series Heat Pump					30 - 30,000 Btu/h 36 - 36,000 Btu/h	D - 208-230V/1ph/60Hz	

Indicate the <i>quantity</i> of <u>field</u> installed accessories, required for each unit		
QTY Ordered	Description	Part Number
	Optional: SPARE Hand Held Infrared Remote Control [NOTE: Each Wall Air Handler comes with a hand held remote, standard]	17317000A59014
	Optional: Wi-Fi Module, USB	17310900003167



Approved:	
Reviewed:	
Contact:	
Address:	
Phone:	
Unit Tag #	
REVISION	

Number of Units Ordered

Approval
By: _____

NOTICE: Due to ongoing product development; design, specification and performance data listed within this submittal document are subject to change without notice. Visit our website emiretroaire.com for the most current performance data or consult the factory.

Specifications, Performance & Submittal

**Model:
Single Zone
Condenser
208-230V
30k-36k**

Single Zone Condenser (Heat Pump)

Model	Single Zone	Nominal Rated Capacity	Voltage	Product Revision		
<div style="display: flex; justify-content: space-around; margin-bottom: 5px;"> <div style="border: 1px solid black; padding: 5px; width: 30px; text-align: center; font-weight: bold;">A</div> <div style="border: 1px solid black; padding: 5px; width: 30px; text-align: center; font-weight: bold;">D</div> </div> <div style="border: 1px solid black; padding: 2px;">Advantage Series Heat Pump</div>	<div style="display: flex; justify-content: space-around; margin-bottom: 5px;"> <div style="border: 1px solid black; padding: 5px; width: 30px; text-align: center; font-weight: bold;">S</div> <div style="border: 1px solid black; padding: 5px; width: 30px; text-align: center; font-weight: bold;">Z</div> <div style="border: 1px solid black; padding: 5px; width: 30px; text-align: center; font-weight: bold;">1</div> </div>	<table border="1" style="width: 100%; height: 40px; border-collapse: collapse;"> <tr> <td style="width: 50%;"></td> <td style="width: 50%;"></td> </tr> </table> <div style="margin-top: 5px;"> 30 - 30,000 Btu/h 36 - 36,000 Btu/h </div>			<div style="border: 1px solid black; padding: 5px; width: 30px; text-align: center; font-weight: bold; margin-bottom: 5px;">D</div> <div style="border: 1px solid black; padding: 5px; width: 30px; text-align: center; font-weight: bold;">A</div> <div style="margin-top: 5px; border: 1px solid black; padding: 2px;">D - 208-230V/1ph/60Hz</div>	

Indicate the *quantity of field installed accessories, required for each unit*

QTY Ordered	Description	Part Number	Notes
	TUBE SET,5/8X3/8X26',8M,24-36,FL,INS,US	F0533262A	30 & 36 sizes
	TUBE SET,5/8x3/8X49',15M,24-36,FL,INS,US	F0533492A	30 & 36 sizes



Approved:	
Reviewed:	
Contact:	
Address:	
Phone:	
Unit Tag #	
REVISION	

Number of Units Ordered

Approval

By: _____

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Specification and Performance

Single - Zone Systems 208V-230V 30k-36k

Ductless Mini Split:

- ◆ Heat Pump
- ◆ R-410A refrigerant.
- ◆ Single and multi-zone application flexibility.
- ◆ 20 to 25 SEER high efficiency models with capacities from 9,000 Btuh to 24,000 Btuh.
- ◆ Easy installation requiring no ductwork, a small hole for running power wiring and refrigerant lines is all that is needed to connect indoor and outdoor sections.
- ◆ Low profile indoor air handler is neutral color that blends with any decor.
- ◆ Next generation outdoor condenser with inverter compressor provides exceptionally quiet operation and intelligently adjusts speed to temperature conditions.
- ◆ Low noise.
- ◆ Low operating cost.
- ◆ Optional Wi-Fi module.
- ◆ Simple design makes it easy to remove and clean the washable filters.
- ◆ Intelligent Design allows system to intelligently adjust the angle of the louver to ensure greatest efficiency for heating and cooling. For more control, manually adjust louver as small as 6 degrees from using the hand-held remote.
- ◆ Golden Fin prevents bacteria breeding and improves heat transfer efficiency. The unique anti-corrosive golden coating on the condenser can withstand salty air, rain, and other corrosive elements.
- ◆ Refrigerant Leakage Detection will better protect compressor being damaged by high temperature due to refrigerant leakage.

Features:

- All models supplied with hand-held Infrared Remote Controller with easy-to-read LCD display. Factory installer operating features provide capacity to set temperature, louver control, fan speeds and more.
- Follow-Me Technology - Mode that activates a temperature sensor that is built into Infrared remote control. When you stay close to the remote control, the unit will continue to condition the space until you are comfortable.
- Turbo Mode - Air condition maximizes output of cooling and heating capacity, making the room cool down or heat up rapidly and attain the desired temperature in the shortest time.
- Auto Restart - If system shuts down due to power failure, system will restart with previous function setting when power is restored.
- Auto Level Swing Louvers - In cooling mode, louvers self adjust to horizontal position and circulate cold air more efficiently. In heating mode, louvers deflect hot air downward so hot air will rise and circulate keeping the room warm.
- 24 Hour Timer - Set a wide variety of timer based operations, start and stop at specific times. Control fan speed as well as cool, heat and auto from anywhere in the room.
- Sleep Mode - Enables the system to gradually decrease cooling or heating output automatically during night operation to maintain comfort level while saving energy.
- Self-Diagnosis & Auto Protection - Should abnormal operation or part failure happen, unit will shut off automatically. Unit will then indicate protection or error code for fast service.
- Low Ambient Cooling/Heating - Operating range -22°F to 122°F provide year round cooling/heating comfort.

Single - Zone Systems

208V-230V 30-36K

Indoor Wall Air Handler Model		ADWAL30D	ADWAL36D	
Power Supply	V/ph/Hz	208-230/1/60	208-230/1/60	
Output	W	??	??	
RLA	A	??	??	
Indoor air flow (Hi/Mi/Lo)	cfm	800/620/470	730/520/400	
Indoor air flow (Hi/Mi/Lo)	m3/h	1350/1050/800	1245/880/680	
Indoor noise level (Hi/Mi/Lo)	dB(A)	52/49/43	57/55/40	
Indoor unit	Dimensions (WxDxH)	inch	49.57x11.10x14.25	49.57x11.10x14.25
	Dimensions (WxDxH)	mm	1259x282x362	1259x282x362
	Packing (WxDxH)	inch	52.76x17.72x15.16	52.76x17.72x15.16
	Packing (WxDxH)	mm	1340x450x385	1340x450x385
	Net/Gross weight	lbs.	50	53
		kg	23	24
Thermostat type			Remote Control	Remote Control
Thermostat Setting Range	Indoor (cooling/heating)	°C	17~32/0~30	17~32/0~30
		°F	63~90/32~86	63~90/32~86
Refrigerant piping	Liquid side/Gas side	inch	$\frac{3}{8} \times \frac{5}{8}$	$\frac{3}{8} \times \frac{5}{8}$
		mm	9.52 x 15.9	9.52 x 15.9
	Maximum pipe length	ft	164	213
		m	50	65
	Max. height difference between indoor units	ft	82	98
m		25	30	

Interconnect wire: 3 - conductor plus ground, stranded, un-shielded. Wire size is determined by MCA and MOP/fuse, per NEC, CEC and local codes.

Single - Zone Systems

208V-230V 30-36k

Outdoor Condensing Unit Model			ADSZ130DA	ADSZ136DA
Power supply		V/ph/Hz	208-230/1/60	208-230/1/60
Cooling	Capacity	Btu/h	30000	36000
	Rated current	A	11.85	18.4
	EER	Btu/W	11	8.5
	SEER	Btu/W	21	17.5
Heating	Capacity	Btu/h	30000	36000
	Rated current	A	17	22
	COP		2.75	2.47
	HSPF		10.1	12
MINIMUM CIRCUIT AMPACITY		A	25	28
MAX TIME DELAY FUSE OR HARC BREAKER		A	30	35
Outdoor noise level		dB(A)	63	61.5
Outdoor unit	Dimension (WxDxH)	inch	37.24x16.14x31.89	37.24x16.14x31.89
	Dimension (WxDxH)	mm	946x410x810	946x410x810
	Packing (WxDxH)	inch	42.91x19.69x34.84	42.91x19.69x34.84
	Packing (WxDxH)	mm	1090x500x885	1090x500x885
	Net/Gross weight	lbs.	153	159
	Net/Gross weight	kg	69	72
Refrigerant type - 410A / oz		oz	98.77	119.9
Refrigerant precharge (Total pipe length)		ft	25.0	25.0
Additional charge for each ft		oz	0.32	0.32
Design pressure		psig	550/340	550/340
Refrigerant piping	Liquid side/Gas side	inch	3/8 liquid line 5/8 gas line	3/8 liquid line 5/8 gas line
		mm	9.52 liquid line 15.9 gas line	9.52 liquid line 15.9 gas line
	Max. pipe length	ft	164.0	213.0
		m	50.0	65.0
	Max. height difference between indoor units	ft	82.0	98.0
		m	25.0	30.0
Operating Range Ambient Temperature	Indoor (cooling/heating)	°F	63~90 / 32~86	63~90 / 32~86
		°C	17~32 / 0~30	17~32 / 0~30
	Outdoor (cooling/heating)	°F	5~122 / 5~75	5~122 / 5~86
		°C	-15~50 / -15~24	-15~50 / -15~30

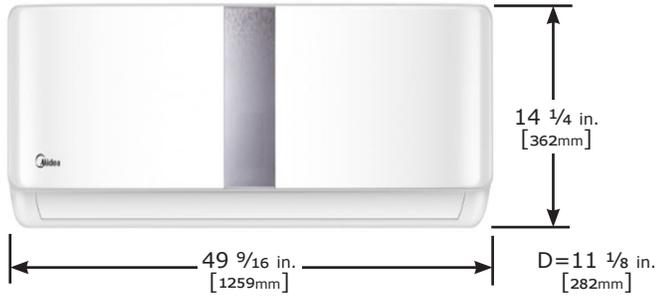
Additional Refrigerant Calculation: Sum Total Liquid Pipe ft. (m) - Additional Charge Required After ft. (m.) x Additional Charge oz./ft. (g/m) 0.16 (15)

NOTES: If the calculation results in a negative number no refrigerant is required to be added or removed. Electronic expansion valves in the outdoor unit are used as metering devices

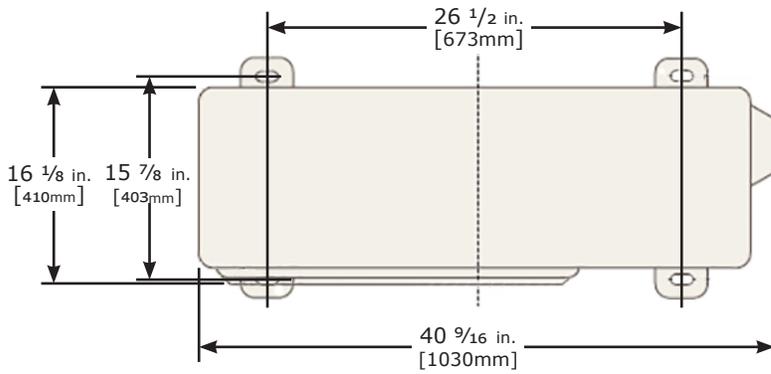
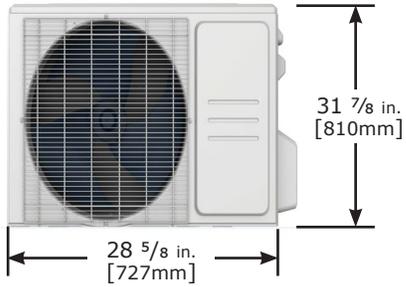
NOTE: The refrigerant charge included is adequate for the outdoor unit's maximum number of zones multiplied by the standard piping length per zone. For piping runs greater than the "Maximum Piping Length with no additional refrigerant charge per System", see Additional Refrigerant Charge (see Table 3).

Refrigerant Piping: Line sets to be sized based on the connection size of the indoor unit. Each pipe should be insulated individually.

ADWAL30D & ADWAL36D



ADSZ130DA & ADSZ136DA



Handheld Remote Controller

Every EMI System comes with an easy to use handheld remote so you can adjust your comfort level at the touch of a button.

- Enabling "Follow Me" Technology. When "Follow Me" mode is activated, the system switches from air handler-mounted room temperature sensor, to the sensor inside of the infrared handheld remote control. The unit conditions the space where you are, with the remote close at hand.
- Enabling Timer Modes - On a schedule? Control variety of settings with precision through the Timer Mode. Never worry about arriving to a cold home again. If the system stops due to power outage, it will automatically restart to its last setting when the power comes back.



2201 Dwyer Avenue, Utica, NY 13501
Tel. 800 325 5479
www.ecrinternational.com

All specifications subject to change without notice.
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