

RELIABLE
COMFORT



ENERGY
EFFICIENCY

SLEEK
DESIGN

WIRELESS
CONTROLS

QUIET
OPERATION



EMI ductless does it all!

Introducing the **Advantage Heat Pump Series**
Single-Zone Ductless Mini Split Systems



EMIDUCTLESS.COM

PN 240013709 Rev. [09/05/23]



Take Advantage of **Affordable, Precise, and Flexible** Heating and Cooling!

EMI's new **Advantage Heat Pump Series** ductless systems provide a highly flexible, efficient, and **value-priced** method of delivering year-round, single-zone **heating and cooling** for maximum comfort.

The ductless split system's indoor/outdoor design makes them an ideal fit for residential and commercial spaces where a ducted solution is not practical.

Better still, advanced technology ensures quiet operation and efficiency with minimal maintenance.



(9K Btu/h unit Pictured)

**ECO FRIENDLY
ZERO EMISSIONS**



Condensing Unit (Exterior)



(36K Btu/h unit Pictured)

High Wall Air Handler

Advantage Heat Pump Series at a glance

- Ductless systems feature a sleek, indoor wall-mounted air-handling unit with an outdoor condenser to deliver precise temperature control.
- Our quiet, emissions-free heat pumps with variable-speed technology, provide year-round cooling and heating in extreme weather conditions. They are also energy efficient with capacities ranging from 9,000 to 36,000 Btu/h.
- Choice of modes including Turbo, Sleep, and Timed Settings.
- Included hand held control with unique “Follow Me” feature - detects room temperature from the remote control and adjusts for your personal comfort wherever you are in the room.
- Simplified maintenance - easy to clean filters.
- Self-adjusting operation and diagnostics.
- Durable heat-exchanger has corrosion resistant “Goldin Fin” coating.
- LIMITED WARRANTY:
5 years compressor, 2 years parts.



Comfort Where it Counts

With affordable pricing, simple intelligent design, and a variety of running modes; the Advantage Heat Pump Series provides comfort and peace of mind all year round.

- Auto Protection - should abnormal operation or part failure happen, unit will shut off automatically and indicate protection error.
- Auto Restart - if system shuts down due to power failure, system will restart with previous function settings when power is restored.

Convenient Control

Room consistently too hot or too cold? Experiencing hot or cool spots? EMI's *Advantage Heat Pump Series* systems deliver precise, consistent temperature control for optimum comfort.

Convenience is yours, utilize the *Follow Me* feature which detects room temperature from the remote control and adjusts for your personal comfort wherever you are in the room.



Included Handheld IR Remote



Reliable Operation

Our Advantage Heat Pump Series runs without worries. It is all-weather resilient thanks to a heated base pan that prevents ice buildup and a stainless-steel crankcase heater that keeps compressor oil warm at all times. The advanced compressor design reduces vibration alleviating strain on components.



Easy Installation, Minimal Maintenance.

The Advantage Heat Pump Series system is easily installed and configured by a qualified contractor. Once installed, maintenance is kept to a minimum. Simply clean the easy-access filter in the system's air-handling units (no more dusty ductwork!) and schedule an occasional diagnostics and maintenance of your outside condenser unit with your contractor. Internal diagnostics and refrigerant leakage detection quickly identifies any issues and reduces service time.



Advantage Heat Pump Series

Single-Zone System with Wall Air Handler

Outdoor Condensing Unit Model Indoor Air Handler Model			ADSZ109DA ADWAL09DA	ADSZ112DA ADWAL12DA
Power Supply		V,ph,Hz	208/230, 1, 60	208/230, 1, 60
Cooling	Capacity Nominal	Btu/h	9000	12000
	EER EER2		8.8 10.5	8.8 8.8
	SEER SEER2		16.5 18.5	16.8 17.6
Heating Rated	Capacity @ 47°F (8.3°C)(H1)	Btu/h	10000	12000
	COP		3.42	2.90
	HSPF HSPF2		9.4 8.8	9.4 8.8
Heating at 17°F (-8°C)	Rated Capacity	Btu/h	6400	8300
Heating at 5°F (-15°C)	Rated Capacity	Btu/h	7100	7100
Indoor Air Flow (Hi/Mi/Lo)		cfm	320 / 240 / 180	320 / 240 / 180
Indoor Noise Level (Hi/Mi/Lo)		dB(A)	42 / 35 / 26	42 / 35 / 26
Indoor Unit	Dimensions (WxDxH)	inches	31.7 x 7.6 x 11.2	31.7 x 7.6 x 11.2
		mm	805 x 194 x 285	805 x 194 x 285
	Gross Weight	lb/kg	22 / 10	22 / 10
Outdoor Unit	Dimensions (WxDxH)	inches	28.4 x 10.6 x 19.5	28.4 x 10.6 x 19.5
		mm	720 x 270 x 495	720 x 270 x 495
	Gross Weight	lb/kg	56 / 26	56 / 26
Refrigerant type 410A		oz	25.75	25.75
Design Pressure		psig	550 / 340	550 / 340
Refrigerant Precharge (total pipe length)		ft / m	25.0 / 7.6	25.0 / 7.6
Additional charge for each ft		oz	0.16	0.16
Refrigerant Piping	Liquid side / Gas side Flare Connections	inch	1/4 / 3/8	1/4 / 3/8
		mm	6.35 / 9.52	6.35 / 9.52
	Max. pipe length	ft / m	82 / 25	82 / 25
	Max. difference in height	ft / m	32.8 / 10	32.8 / 10
MINIMUM CIRCUIT AMPACITY		A	9	9
MAX TIME DELAY FUSE/HARC BREAKER		A	15	15
Indoor Temperature Range	Thermostat Range Indoor (Cooling/Heating)	°C	17~32 / 0~30	17~32 / 0~30
		°F	63~90 / 32~86	63~90 / 32~86
Outdoor Operating Temperature Range	Outdoor (Cooling/Heating)	°C	-15~50 / -15~24	-15~50 / -15~24
		°F	5~122 / 5~75	5~122 / 5~75

Specifications and Performance

ADSZ118DA ADWAL18DA	ADSZ124DA ADWAL24DA	ADSZ130DA ADWAL30DA	ADSZ136DA ADWAL36DA
208/230, 1, 60	208/230, 1, 60	208/230, 1, 60	208/230, 1, 60
17000	24000	30000	36000
9.9 9.9	8.9 8.9	11 11	8.5 8.5
16.8 18.3	16.5 16.7	21 21	17.5 17.5
18000	24000	30000	36000
3.07	2.82	2.75	2.47
9.7 8.7	9.5 8	10.1 9.1	12.0 8.7
10500	16000	20600	24000
10100	15100	18000	17600
460 / 370 / 280	570 / 450 / 340	800 / 620 / 470	730 / 520 / 400
44 / 38 / 30	46 / 40 / 34	52 / 49 / 43	57 / 55 / 40
37.7 x 8.4 x 11.9	40.9 x 8.7 x 12.9	49.6 x 11.1 x 14.3	49.6 x 11.1 x 14.3
957 x 213 x 302	1040 x 220 x 327	1259 x 282 x 362	1259 x 282 x 362
29 / 13	37 / 17	50 / 23	53 / 24
30.1 x 11.9 x 21.9	35.0 x 13.5 x 26.5	37.2 x 16.1 x 31.9	37.2 x 16.1 x 31.9
765 x 303 x 555	890 x 342 x 673	946 x 410 x 810	946 x 410 x 810
70 / 32	105 / 47	153 / 69	159 / 72
47.97	62.8	98.77	119.9
550 / 340	550 / 340	550 / 340	550 / 340
25.0 / 7.6	25.0 / 7.6	25.0 / 7.6	25.0 / 7.6
0.16	0.32	0.32	0.32
1/4 / 1/2	3/8 / 5/8	3/8 / 5/8	3/8 / 5/8
6.35 / 12.7	9.52 / 15.9	9.52 / 15.9	9.52 / 15.9
98.4 / 30	164 / 50	164 / 50	213 / 65
65.6 / 20	82 / 25	82 / 25	98 / 30
15	19	25	28
20	30	30	35
17~32 / 0~30	17~32 / 0~30	17~32 / 0~30	17~32 / 0~30
63~90 / 32~86	63~90 / 32~86	63~90 / 32~86	63~90 / 32~86
-15~50 / -15~24	-15~50 / -15~24	-15~50 / -15~24	-15~50 / -15~30
5~122 / 5~75	5~122 / 5~75	5~122 / 5~75	5~122 / 5~86



At ECR International and Granby Industries, we are in the business of keeping you comfortable. Our partnership has made us the leading North American manufacturer of residential and light commercial heating and cooling equipment. Our commitment to research, development and product quality ensure that our customers receive cost effective, efficient products that meet current regulatory and environmental standards.

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PN 240013709 REV. [09/05/2023]