

I-verter Series Variable Speed Heat Pump Ductless Split Systems Single Zone and Multi-Zone Condensers Wall and Ceiling Cassette Air Handlers









Customer Service Technical Support

Phone: 800-325-5479 Fax: 315-724-9319/866-432-7329

www.enviromaster.com

Corporate Sales

Phone: 877-386-5479 Fax: 716-366-4670

Literature

literature@ecrinternational.com



P/N 240004843 1116 Rev E 3/16

Table of Contents

Page 1 - Cover
Page 2 - Table of Contents
Page 3 - Terms of Sale and RMA Policy
Page 4 - EMI I-verter Series Ductless Split System Air Handler Decoding
Page 5 - EMI I-verter Series Ductless Split System Condenser Decoding
Page 6 - EMI I-verter Series Single Zone Variable Speed Heat Pump Ductless Split Systems
Page 7 - EMI I-verter Series Single Zone Variable Speed Heat Pump Ductless Split Systems
Page 8 - EMI I-verter Series Multi-Zone Variable Speed Heat Pump Ductless Split Systems
Page 9 - EMI I-verter Series Multi-Zone Variable Speed Heat Pump Split System Combinations
and Line Sets
Page 10 - Standard EMI Limited Product Warranty

Terms of Sale and RMA Policy

GENERAL TERMS & CONDITIONS OF SALE

PRICES & SPECIFICATIONS: All pricing and specifications subject to change without notice; prices herein supersede all prior quotations, promotions and addendums.

ORDERS: All EMI orders will be accepted on the basis of prices in effect at the time the order is received. No order or contract will become an obligation on our part until accepted by the General Sales Department. ECR International shall not be liable for any delay, or failure in the delivery or shipment of goods, due to any cause or causes beyond its control.

LEAD TIMES: Customers are encouraged to check with the factory for product availability. **ECR will not carry inventory of special models**.

LARGE JOBS: Please consult the factory for pricing and availability for any special order models or more than 48 systems.

TAXES: Add to the prices and terms quoted any manufacturers' or sales tax payable on the transaction under any effective statute. All orders must include sales tax or resale certificate of sales tax exemption (If not already on file).

SHIPMENT

Freight Terms: Free Freight Allowed on 12 Systems or more to any Single Destination in Continental US excluding Alaska. Orders with other ECR products can be combined to qualify against standard freight policy.

F.O.B. ECR INTERNATIONAL - FACTORY OR WAREHOUSE

ORDER INFORMATION CHECKLIST

The following information must be included on equipment or parts orders to insure proper shipment & invoicing:

- 1) Purchase Order Number
- 2) Bill To Address
- 3) Ship To Address
- 4) Method of Shipment (i.e. trailer load, UPS, etc.)
- 5) Requested Ship Date
- 6) Special Instructions (i.e. "Carrier to call...")
- 7) Pricing
- 8) Product Description (i.e. Model, Size, Series, etc.)
- 9) Electrical Characteristics (i.e. Operating Voltage, Cycles, Phases, etc.)
- for standard equipment at extra cost listed. Indicate "Additional" when added to standard equipment).
- 11) Kits or Parts (Orders for kits/parts must minimally indicate equipment size & Series, complete model number preferred.
- 12) Submit order to: <u>ECRorderentry@ecrinternational.com</u>

10) Non-Standard Equipment (Indicate "Optional" when substituted

OR FAX: 1-866-432-7329

13) Remit To Address: ECR International, Inc.

P.O. Box 8000 Department 039

Buffalo, NY 14267

RMA POLICY

To assist in providing the best service to our valued customers, ECR International has developed the following guidelines to help you in the unlikely event that you will need to return merchandise purchased from us. These guidelines have been developed after carefully reviewing common industry practice. We trust that you find them fair and easy to follow.

<u>Prior Approval Required</u> - All returns for warranty claims must be approved by ECR and require a RMA number prior to the return of the material. A request must be completed via ECR International's online web portal. Please logon to www.ecrcustomerportal.com (hyperlink below) to complete your request for return. If you do not already have access to the customer web portal please contact ECR Customer Service at 1-800-325-5479 to be set up.

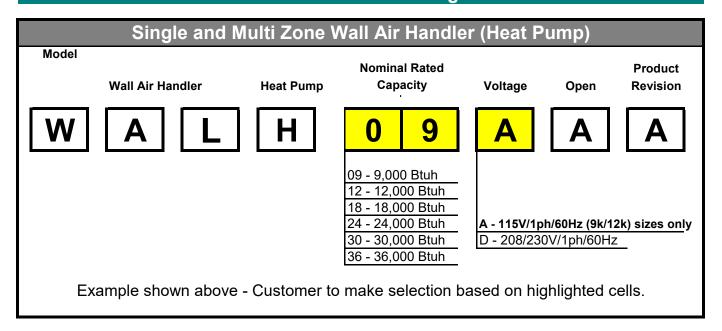
<u>Eligibility</u> - Special Order Products are not eligible for return as new and unused product. Request for Warranty Returns must be made within the period covered by the warranty and must fall under the terms and conditions specified in the warranty.

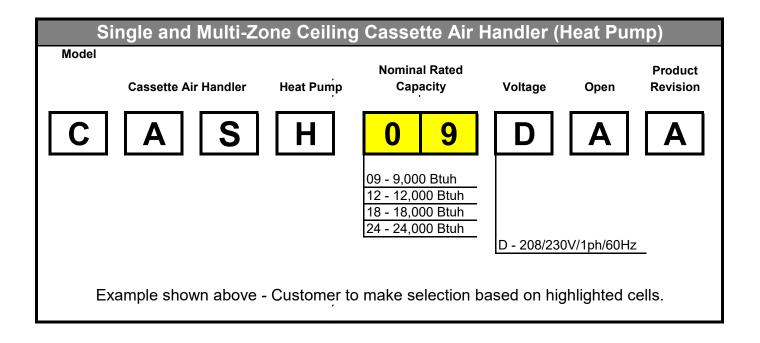
<u>RMA Expiration</u> - Once the RMA # is issued, the product must be returned within 90 days of the RMA date, or the RMA will be canceled. Products approved for return that are received after 90 days from the RMA date will not be accepted.

<u>Shipping & Packaging</u> - All returns must have a valid RMA number clearly displayed on the exterior of the package or the package will not be accepted. All returns must be shipped prepaid by the customer unless otherwise directed by ECR. Ship all approved return material to the facility indicated on the approved RMA.

http://www.ecrcustomerportal.com

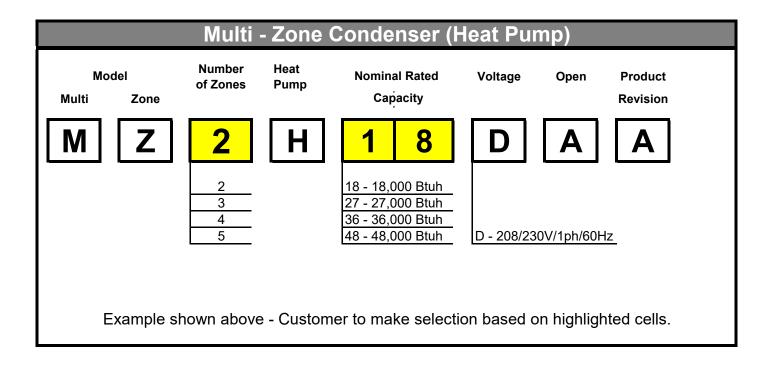
EMI I-verter Series Variable Speed Heat Pump Ductless Split Systems Air Handler Decoding





EMI I-verter Series Variable Speed Heat Pump Ductless Split Systems Condenser Decoding

Single Zone Condenser (Heat Pump)									
Model Single Zone	Number of Zones	Heat Pump	Nominal Rated			Product Revision			
SZ	1	Н	0 9	A	A	Α			
		ph/60Hz (9k/12k 30V/1ph/60Hz) sizes only						
Example	shown above	e - Custon	ner to make selecti	ion based o	on highlighte	d cells.			



EMI I-verter Series Single Zone Variable Speed Heat Pump Ductless Split Systems Wall Air Handlers







Outdoor 9K

Outdoor 12K

Indoor wall unit

EMI I-verter Series Single Zone Variable Speed Heat Pump Systems, 115V									
Btuh	Btuh Indoor # Indoor \$ Outdoor # Outdoor \$ SEER HSPF EER System \$								
9,000	WALH09AAA	\$ 512	SZ1H09AAA	\$ 768	22.5	10.5	13.5	\$ 1,280	
12,000	WALH12AAA	\$ 570	SZ1H12AAA	\$ 855	21.5	11.2	12.5	\$ 1,425	











Outdoor 9K

Outdoor 12K

Outdoor 18K

Outdoor 24K, 30K, 36K

Indoor wall unit

	EMI I-verter Series Single Zone Variable Speed Heat Pump Systems, 208-230V								
Btuh	Indoor #	Indoor \$	Outdoor #	Outdoor \$	SEER	HSPF	EER	System \$	
9,000	WALH09DAA	\$ 558	SZ1H09DAA	\$ 837	22.8	10.5	14	\$ 1,395	
12,000	WALH12DAA	\$ 578	SZ1H12DAA	\$ 867	21.5	9.8	13	\$ 1,445	
18,000	WALH18DAA	\$ 788	SZ1H18DAA	\$ 1,182	20.8	10	13	\$ 1,970	
24,000	WALH24DAA	\$ 960	SZ1H24DAA	\$ 1,470	20.5	10	12.5	\$ 2,430	
30,000	WALH30DAA	\$ 1,286	SZ1H30DAA	\$ 1,929	18.0	9.6	10.5	\$ 3,215	
36,000	WALH36DAA	\$ 1,446	SZ1H36DAA	\$ 2,169	16.0	10	8.5	\$ 3,615	

	Single Zone Accessories (Optional)						
Part #	Description	Price Each					
240003106	Condensate Pump, Stand-Alone, 208-230v, 144" Lift, External Floor Mount, Field-installed	\$ 107					
240003107	Condensate Pump, Stand-Alone, 115v, 144" Lift, External Floor Mount, Field-installed	\$ 107					
KJR12B	Wired Wall Thermostat	\$ 67					

Notes:

Control & Power wiring are high-voltage, field-supplied per local code requirements.

An Infrared Hand-Held Remote Controller comes with every air handler.

Optional Wired Wall Thermostats are available.

EMI I-verter Series Single Zone Variable Speed Heat Pump Ductless Split Systems Ceiling Cassettes











Outdoor 9K

Outdoor 12K

Outdoor 18K

Outdoor 24K, 30K,

Cassette

EMI I-	EMI I-verter Series Single Zone Variable Speed Heat Pump Ceiling Cassette Systems, 208-230V									
Btuh	Indoor#	Indoor \$	Outdoor #	Outdoor \$	SEER*	HSPF*	EER*	System \$		
9,000	CASH09DAA	\$ 650	SZ1H09DAA	\$ 837	20.0	10.5	13.0	\$ 1,487		
12,000	CASH12DAA	\$ 695	SZ1H12DAA	\$ 867	21.5	10.5	14.0	\$ 1,562		
18,000	CASH18DAA	\$ 750	SZ1H18DAA	\$ 1,182	20.0	10.3	12.5	\$ 1,932		
24,000	CASH24DAA	\$ 895	SZ1H24DAA	\$ 1,470	20.0	10.5	12.5	\$ 2,365		

Btuh Unit Size	Part Number - MUST BE ORDERED WITH ABOVE CASSETTE UNITS	Facia Pricing
9,000 12,000 18,000	TMBQ403E - Facia Panel - Must be ordered with unit listed above. Packaged and Sold Separately.	\$96
24,000	TMBQ02C1 - Facia Panel - Must be ordered with unit listed above. Packaged and Sold Separately.	\$112

Single Zone Accessories (Optional)						
Part #	Description	Price Each				
240003106	Condensate Pump, Stand-Alone, 208-230v, 144" Lift, External Floor Mount, Field-installed	\$ 107				
240003107	Condensate Pump, Stand-Alone, 115v, 144" Lift, External Floor Mount, Field-installed	\$ 107				
KJR12B	Wired Wall Thermostat	\$ 67				

Notes:

Control & Power wiring are high-voltage, field-supplied per local code requirements.

An Infrared Hand-Held Remote Controller comes with every air handler.

Optional Wired Wall Thermostats are available.

EMI I-verter Series Multi-Zone Variable Speed Heat Pump Ductless Split Systems







Outdoor

Indoor Wall Unit

Indoor Cassette

EMI I-verter Series Multi-Zone Variable Speed Heat Pump Condensers, 208-230V								
Btuh	Outdoor #	Zones	SEER*	HSPF*	EER*	Outdoor Price \$		
18,000	MZ2H18DAA	2	21.3	10.0	12.5	\$2,065		
27,000	MZ3H27DAA	3	22.0	9.8	12.0	\$2,635		
36,000	MZ4H36DAA	4	22.5	10.3	10.9	\$3,635		
45,000	MZ5H45DAA	5	21.5	10.4	11.6	\$4,705		

EMI I-verter Series Multi-Zone Heat Pump Wall Air Handlers, 208-230V								
Btuh	Indoor #	Type	SEER*	HSPF*	EER*	Indoor Price \$		
9,000	WALH09DAA	Wall	22.8	10.5	14.0	\$558		
12,000	WALH12DAA	Wall	21.5	9.8	13.0	\$578		
18,000	WALH18DAA	Wall	20.8	10.0	13.0	\$788		
24,000	WALH24DAA	Wall	20.5	10.0	12.5	\$960		

EMI I-verter Series Multi-Zone Heat Pump Ceiling Cassette Air Handlers, 208-230V							
Btuh	Indoor#	Type	SEER*	HSPF*	EER*	Indoor Price \$	
9,000	CASH09DAA	Cassette	20.0	10.5	13.0	\$650	
12,000	CASH12DAA	Cassette	21.5	10.5	14.0	\$695	
18,000	CASH18DAA	Cassette	20.0	10.3	12.5	\$750	
24,000	CASH24DAA	Cassette	20.0	10.5	12.5	\$895	

Btuh Unit Size	Part Number	Facia Pricing
9,000 12,000 18,000	TMBQ403E - Facia Panel - Must be ordered with unit listed above. Packaged and Sold Separately.	\$96
24,000	TMBQ02C1 - Facia Panel - Must be ordered with unit listed above. Packaged and Sold Separately.	\$112

Multi-Zone Accessories (Optional)					
Part #	Part # Description				
240003106	Condensate Pump, Stand-Alone, 208-230v, 144" Lift, External Floor Mount, Field-installed	\$ 107			
240003107	Condensate Pump, Stand-Alone, 115v, 144" Lift, External Floor Mount, Field-installed	\$ 107			
KJR12B	Wired Wall Thermostat	\$ 67			

Notes

Control & Power wiring are high-voltage, field-supplied per local code requirements.

An Infrared Hand-Held Remote Controller comes with every air handler.

Optional Wired Wall Thermostats are available.

EMI I-verter Series Multi-Zone Variable Speed Heat Pump Ductless Split System Combinations and Line Sets

Air Handler Combinations, per Condenser Model						
Model #	2-Zone	3-Zone	4-Zone	5-Zone		
MZ2H18DAA	9K + 9K 9K + 12K 12K + 12K	N/A	N/A	N/A		
MZ3H27DAA	9K + 9K 9K + 12K 9K + 18K 12K + 12K 12K + 18K 18K + 18K	9K + 9K + 9K 9K + 9K + 12K 9K + 12K + 12K 9K + 9K + 18K 12K + 12K + 12K	N/A	N/A		
MZ4H36DAA	9K + 9K 9K + 12K 9K + 18K 9K + 24K 12K + 12K 12K + 18K 12K + 24K 18K + 18K	9K + 9K + 9K 9K + 9K + 12K 9K + 9K + 18K 9K + 12K + 12K 9K + 12K + 18K 9K + 18K + 18K 12K + 12K + 12K 12K + 12K + 18K 12K + 12K + 24K 12K + 18K + 18K	9K + 9K + 9K + 9K 9K + 9K + 9K + 12K 9K + 9K + 9K + 18K 9K + 9K + 12K + 12K 9K + 9K + 12K + 18K 9K + 12K + 12K + 12K 12K + 12K + 12K + 12K	N/A		
MZ5H45DAA	9K + 18K 9K + 24K 12K + 12K 12K + 18K 12K + 24K 18K+18K 18K+24K 24K+24K	9K + 9K + 9K 9K + 9K + 12K 9K + 9K + 18K 9K + 9K + 24K 9K + 12K + 12K 9K + 12K + 18K 9K + 12K + 24K 9K + 18K + 24K 9K + 18K + 24K 12K + 12K + 12K 12K + 12K + 12K 12K + 12K + 18K 12K + 18K + 24K 12K + 24K + 24K	9K + 9K + 9K + 9K 9K + 9K + 9K + 12K 9K + 9K + 9K + 18K 9K + 9K + 9K + 24K 9K + 9K + 12K + 12K 9K + 9K + 12K + 18K 9K + 9K + 12K + 24K 9K + 9K + 18K + 18K 9K + 9K + 18K + 18K 9K + 12K + 12K + 12K 9K + 12K + 12K + 12K 9K + 12K + 12K + 18K 9K + 12K + 12K + 18K 12K + 12K + 12K + 24K 12K + 12K + 12K + 24K 12K + 12K + 12K + 18K	9K + 9K + 9K + 9K + 9K 9K + 9K + 9K + 9K + 12K 9K + 9K + 9K + 9K + 18K 9K + 9K + 9K + 9K + 24K 9K + 9K + 9K + 12K + 12K 9K + 9K + 9K + 12K + 18K 9K + 9K + 12K + 12K + 18K 9K + 9K + 12K + 12K + 12K 9K + 12K + 12K + 12K + 18K 9K + 12K + 12K + 12K + 12K 9K + 12K + 12K + 12K + 12K		

Single & Multi-Zone Line Sets					
Part #	Description	Price Each			
F0323161A	Insulated Tube Set, 3/8X1/4X16' (5 meters) Flared Connections WALH & CASH 09 size only	\$ 65			
F0323261A	Insulated Tube Set, 3/8X1/4X26' (8 meters) Flared Connections WALH & CASH 09 size only	\$ 100			
F0423161A	Insulated Tube Set, 1/2X1/4X16' (5 meters) Flared Connections WALH & CASH 12 & 18 sizes	\$ 75			
F0423261A	Insulated Tube Set, 1/2X1/4X26' (8 meters) Flared Connections WALH & CASH 12 & 18 sizes	\$ 120			
F0533262A	Insulated Tube Set, 5/8X3/8X26' (8 meters) Flared Connections WALH & CASH 24, 30 & 36 sizes	\$ 175			
F0533492A	Insulated Tube Set, 5/8x3/8X49' (15 meters) Flared Connections WALH & CASH 24, 30 & 36 sizes	\$ 295			

Standard EMI Limited Product Warranty



LIMITED WARRANTY EMI I-verter Series Variable Speed Heat Pump Ductless Split Systems

Enviromaster International, LLC (hereafter known as **EMI**) offers to the original purchaser/owner that under normal use and maintenance for comfort cooling and conditioning applications, all **EMI** products will be free from defects in material and workmanship for a period of 24 months from the documented date of original installation or 30 months from the date of manufacture, if the documented date of original installation is not available. Unit compressors shall be free from defects in materials and workmanship under normal use and maintenance for a period 72 months from the documented date of original installation or 78 months from the date of manufacture, if the documented date of original installation is not available.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

WHAT EMI WILL WARRANT:

EMI will provide a replacement for or, at the discretion of **EMI**, repair any or all components that prove to be defective in material or workmanship within the prescribed warranty period. These parts will be supplied at no cost to the original owner. However, the replacement cost does NOT include labor or service costs to diagnose, remove, or install a warranty part.

WHAT EMI WILL NOT WARRANT:

Damages to or arising from misapplication, improper installation or service; Components not supplied or approved by **EMI**, including, without limitation, indoor and outdoor units supplied by others; Installation and normal maintenance such as, but not limited to, replacing air filters, cleaning, air flow adjustments; Products manufactured or distributed by **EMI** but installed outside the United States and Canada; Damages from unauthorized alteration, application or improper operation; or Damages or repairs as a consequence of shipping or handling.

EMI IS ALSO NOT RESPONSIBLE FOR:

Damages caused by faulty or interrupted power supply or electrical service;

Damages caused by acts of God including, but not limited to, wind, hail, floods, lightning, earthquakes or other conditions beyond the control of **EMI**.

FURTHER LIMITATIONS:

All implied warranties of merchantability and/or fitness for any particular purpose are limited in duration to the period of the limited warranty. The rights and remedies provided herein are exclusive and constitute the entire contract. This limited warranty and any optional extended warranties are granted only to the original owner/user and become null and void if payment for the goods or product is in default.

In no event shall EMI be liable (whether for breach of this limited warranty or contract, for strict liability for negligence, or otherwise), for any special, incidental, punitive or consequential damages, including, without limitation, damages for loss of profits, loss of goodwill, loss of time or convenience, loss of use of the product, the cost of a product rental, costs of gasoline, electricity, telephone, travel or lodging, or the loss of personal or commercial property, whether or not EMI has been advised of the possibility of any such damages.

In no event shall EMI's obligations under this limited warranty exceed the purchase price of the product.

Any repairs performed under this limited warranty shall not in any way extend the statute of limitations for claims under this limited warranty.

No agent, representative or distributor of EMI has any authority to alter the terms of this limited warranty in any way. For Service or Repair:

- 1) Contact the installing contractor
- 2) Call the nearest distributor
- 3) Call, E-Mail or write:

Enviromaster International, LLC, c/o ECR International, Inc., 2201 Dwyer Avenue, Utica, NY 13501 Ph: 800-325-5479, Fax: 866-432-7329, E-Mail: emi@enviromaster.com, Web: www.enviromaster.com

PN 240011257 Rev A (11/2015)