



February 27, 2018

To our valued distributors,

ECR International is pleased to offer our 2018 Preseason Program which allows our distributors to purchase multiple product brands and leverage your buying power. The Preseason Program is valid for orders placed with ECR no earlier than March 2nd and no later than March 30th, 2018. For participating distributors, other ECR products may be ordered under this program and enjoy the favorable shipping and payment terms.

In conjunction with this year's Preseason Program we are announcing several new products and product enhancements.

This year we are pleased to inform you that we are continuing to expand our condensing offering. In March we will introduce the addition of two new models, the MAH-165 and MAC-205. Available in both Combi and Space Heating models, these MAC (which stands for Modulating, Artificial-Intelligence, Combi) boilers are an extension of the current MAC product line, featuring - AI Control Technology and includes a primary/secondary manifold standard with every boiler. When in Domestic Hot Water Mode, the new MAC Combi will fire at 205 mbtu/h and provide up to an industry best 5 gallons/minute of domestic hot water. The MAH-165 and MAC-205 are both rated at 164 mbtu/h for Central Heating Mode at 95% AFUE. Please see the accompanying price pages for these new models and required vent material. The new MAC-205 and MAH-165 can be added to your preseason order.

In addition to the launch of the new MAC/MAH boilers, we will also be adding a primary/secondary manifold to all CuB copper boilers as standard equipment and will ship with each boiler. The primary/secondary manifold will take all the guess work out and make piping easy for the installing contractor. The recently launched floor base will also be available for you to order under the preseason program. The combination of the primary/secondary piping and floor stand will allow for tremendous flexibility of the CuB as a wall mount installation or as an easy push/pull replacement of traditional cast iron boilers. Product and floor base information can also be found in the accompanying price pages.

Again, other ECR products may be ordered under this program and enjoy the favorable shipping and payment terms. Our 2018 Preseason Program allows you to properly schedule your boiler releases. Just as importantly, due to the current inflationary times, you will be able to beat our expected price increase to be announced in the coming months.

We are excited to continue to broaden our product offering and are looking forward to mutual success in 2018. Thank you for your business and participation in the 2018 Preseason Program.

Very best regards,

A handwritten signature in black ink that reads "David Walsh".

David Walsh
Director of Sales
ECR International



Manufactured by:
ECR International Inc.
2201 Dwyer Avenue, Utica, NY 13501
Tel. 800 253 7900
www.ecrinternational.com

Distributors buying on the Preseason Program can earn free equipment and/or extended billing terms based upon the total volume of purchases. The preseason program is split into two (2) sections; Combined Brand and Equipment orders for boilers, tanks, furnaces and Air Conditioning products and a separate program for ARGO Controls only orders.

1. COMBINED EQUIPMENT INCENTIVE:



Combined Order Amount	Shipped By	Free Goods in Equipment Earned	Early Order Bonus ½% Additional Free Goods Submit Order by Close of Business	Shipping & Payment Terms
\$40,000 - \$49,999	Per Current Lead Time	\$400	Thursday March 15, 2018	FFA 2% 90, Net 91
\$50,000 - \$99,999	Per Current Lead Time	2%	Thursday March 15, 2018	FFA 2% 90, Net 91
\$100,000 - \$149,999	1 st 1/2 per Lead Time 2 nd 1/2 by May 18	3%	Thursday March 15, 2018	FFA 2% 90, Net 91 (on each invoice)
\$150,000 - \$249,999	1 st 1/3 per Lead Time 2 nd 1/3 by May 18 Last 1/3 by June 22	3.75%	Thursday March 15, 2018	FFA 2% 90, Net 91 (on each invoice)
\$250,000+	1/5 per Lead Time 1/5 by May 18 1/5 by June 22 1/5 by July 20 Last by August 24	4.5%	Thursday March 15, 2018	FFA 2% 90, Net 91 (on each invoice)

***Bonus Free Goods percentage will be applied to all qualifying products on purchase order**

Purchase Order Requirements:

- The Preseason Program is valid for orders placed with ECR no earlier than **March 2nd and no later than March 30th, 2018**.
- All Scheduled ship dates will be strictly enforced and any changes could result in the cancellation of the free goods incentive. If warehouse space restrictions exist, speak to your ECR Regional Sales Manager about Bill & Hold options.
- Early Order Bonus – to earn the extra 1/2 % in free goods each order, no matter of release date, must be received by close of business **Thursday March 15, 2018** No Exceptions Will Be Allowed.
- Special Quotes or other programs do not qualify for the Preseason Program.
- Equipment for multiple releases must be on separate purchase orders and include the shipment dates within the time allotment for each order per the schedule above when placing the order.
- Free Equipment cannot be counted towards achieving a preseason order amount level.
- Distributor must place all orders at the same time to qualify for any incentive level. Free goods must be specified and shipped on the last release and within the time schedule above or be forfeited.
- Distributor shall specify models of Free Goods, up to the value specified for each incentive level. If the Free Good requested exceeds the Free Goods Allowance earned the difference will be charged to the distributor. Free goods will only be shipped with the last purchase order release.

**Please send PO to ecrorderentry@ecrinternational.com or fax 315-724-9319
REFERENCE UP18 ON ALL PRESEASON PURCHASE ORDERS**

Combined Equipment Preseason Terms

1. The Preseason Program is valid for orders received by ECR no earlier than **March 2nd and no later than March 30th, 2018**.
2. Freight is prepaid on all qualified orders to a single destination (in lieu of any freight allowance). ECR will coordinate product shipment points as needed to support manufacturing schedules.
3. Credit rating must be in good standing. All orders are subject to credit approval.
4. Discount dates will be strictly enforced.

Note: All brands are not available in all markets. Please contact your ECR Regional Sales Manager regarding the availability of brands other than those you are currently purchasing from ECR.



2. ARGO CONTROLS INCENTIVE

Preseason Order Amount	\$2,500+	\$5,000+	\$10,000+	\$20,000+
Ship Dates	Per Current Lead Time	1 st 1/2 per Lead Time 2 nd 1/2 by May 18	1 st 1/3 per Lead Time 2 nd 1/3 by May 18 Last 1/3 June 22	1 st 1/4 per Lead Time 2 nd 1/4 by May 18 3 rd 1/4 by June 22 Last 1/4 by July 20
Payment Terms for Each Release	2% 90, Net 91	2% 90, Net 91	2% 90, Net 91	2% 90, Net 91
Free Goods	(3) AR822II or (2) AR861-3II	(6) AR822II or (3) AR861-3II	(14) AR822II or (7) AR861-3II	(30) AR822II or (15) AR861-3II

Purchase Order Requirements:

1. Distributor must place all orders at the same time to qualify for any incentive level. Free goods must be specified and shipped on the last release and within the time schedule above or be forfeited.
2. Free Equipment cannot be counted towards achieving a preseason order amount level.
3. Freight: F.O.B. Utica, NY – Cost of Ground Freight Included.

Argo Brand purchases can be counted towards the combined equipment incentive levels (part 1) and will follow the terms of Part 1, (i.e. free product and terms). Argo products added to combined equipment incentive will not receive the terms specified above as a stand-alone program.

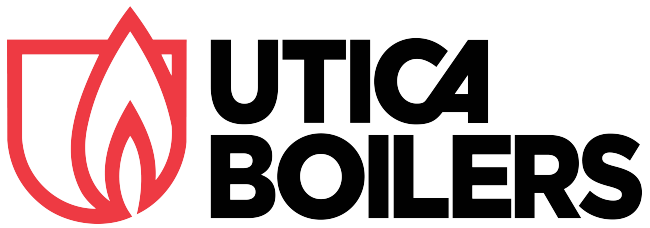
Preseason Terms:

1. The Preseason Program is valid for orders received by ECR no earlier than **March 2nd and no later than March 30th, 2018**.
2. Scheduled ship dates will be strictly enforced and any changes could result in the cancellation of the scheduled release.
3. Freight is prepaid on all qualified orders to a single destination (in lieu of any freight allowance). ECR will coordinate product shipment points as needed to support manufacturing schedules.
4. Credit rating must be in good standing. All orders are subject to credit approval.
5. Cash discount dates will be strictly enforced.

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REFERENCE UP18 ON ALL PRESEASON PURCHASE ORDERS**



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**Customer Service
Technical Support**
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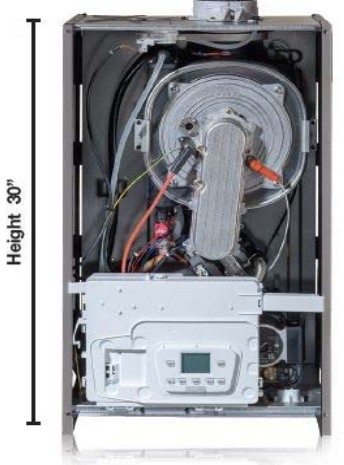
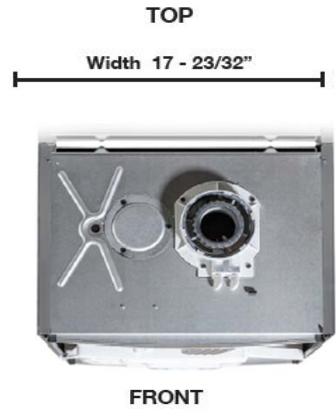
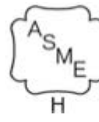
Corporate Sales
Phone: 877-386-5475
Fax: 716-366-4670



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P/N 240005093 Addendum Rev. F 3/18

MAC/MAH
 NATURAL OR PROPANE
 MODULATING CONDENSING
 SPACE HEATING ONLY & COMBI



All MAC models have an AFUE of 95% and meet the criteria for 2018 Most Efficient and Primary/Secondary Manifold is included



General Information (See IOM for complete instructions)

Clearances	Combustible Materials (Required) (1)		Service (2)
	Top	Bottom	
1) Required distances measured from boiler.	Top	0" (0 cm)	8.66" (22 cm)
	Left Side	1.77" (4.5 cm)	1.77" (4.5 cm)
	Right Side	1.77" (4.5 cm)	1.77" (4.5 cm)
	Front	0" (0 cm)	17.70" (45 cm)
	Back	0" (0 cm)	0" (0 cm)
	Bottom	0" (0 cm)	9.84" (25 cm)
(2) Service, proper operation clearance recomm.	Combustion Air/Vent Piping	0" (0 cm)	6" (2.5 cm)

Combustion Air & Vent Pipe Max. Equivalent Lengths

Note: Boiler requires special venting - Use only venting systems that have been approved.			Coaxial Venting 3"/5" (80mm/128mm)		2-pipe Polypropylene venting- Boiler Adapter Kit Required		2-pipe CPVC UL1738/ULC S636 Boiler Adapter Kit Required			
			MAC & MAH	125/150	165/205	165/205	125/150	165/205	165/205	
Dimensions			Feet (Ft.)	3" (80mm)	3" (80mm)	2" (50mm)	3" (80mm)	3" (80mm)	2" (50mm)	
Models	MAH-125 MAC-150	MAH-165 MAC-205	32.8 Ft. (10 m)	100 Ft. Combined	200 Ft. Combined	170 Ft. Combined	100 Ft. Combined	200 Ft. Combined	170 Ft. Combined	
Width	17-3/4"	17-3/4"		Intake Air can not exceed 49.2 Ft	Intake Air can not exceed 100 Ft	Intake Air can not exceed 85 Ft	Intake Air can not exceed 49.2 Ft	Intake Air can not exceed 100 Ft	Intake Air can not exceed 85 Ft	
Height	30"	30"	Connections	Return/Supply Water			Gas In			
Depth	13-9/16"	21-1/2"		MAC & MAH CH	3/4" SWT			3/4" FPT		
				MAC-150 DHW	1/2" SWT					
Weight (lbs.)	103 - MAC 102 - MAH	125	Electrical	120 Volts AC, 60 hertz, 1 phase, Less than 12 amps (15 amp circuit recommended)						
			Water Content	125/150 - 0.95 Gallons 165/205 - 1.25 Gallons						

(NATURAL AND LP GAS - LESS SYSTEM PUMP, COMBI OR HEATING ONLY)

BOILER MODEL	ITEM NUMBER	TRADE PRICE	INPUT RATE (MBH)	HTG. CAP. (MBH)	AHRI NET (MBH)	AFUE RATING %	VENTING COAXIAL	VENTING 2-PIPE
Space Heating Model								
MAH165	MAH116503600110	\$3,412	164	153	133	95.0	3"/5" (80mm/128 mm)	3" or 2"
Combi Model								
MAC205	MAC120503600110	\$3,603	164	153	133	95.0	3"/5" (80mm/128 mm)	3" or 2"
Central Heating Mode								
Domestic Hot Water Mode		205	N/A	N/A				

(NATURAL AND LP GAS - WITH TACO ECM SYSTEM PUMP, COMBI OR HEATING ONLY)

BOILER MODEL	ITEM NUMBER	TRADE PRICE	INPUT RATE (MBH)	HTG. CAP. (MBH)	AHRI NET (MBH)	AFUE RATING %	VENTING COAXIAL	VENTING 2-PIPE
Space Heating Model								
MAH165	MAH116503640110	\$3,558	164	153	133	95.0	3"/5" (80mm/128 mm)	3" or 2"
Combi Model								
MAC205	MAC120503640110	\$3,749	164	153	133	95.0	3"/5" (80mm/128 mm)	3" or 2"
Central Heating Mode								
Domestic Hot Water Mode		205	N/A	N/A				

(NATURAL AND LP GAS - WITH GRUNDFOS SYSTEM PUMP, COMBI OR HEATING ONLY)

BOILER MODEL	ITEM NUMBER	TRADE PRICE	INPUT RATE (MBH)	HTG. CAP. (MBH)	AHRI NET (MBH)	AFUE RATING %	VENTING COAXIAL	VENTING 2-PIPE
Space Heating Model								
MAH165	MAH116503620110	\$3,558	164	153	133	95.0	3"/5" (80mm/128 mm)	3" or 2"
Combi Model								
MAC205	MAC120503620110	\$3,749	164	153	133	95.0	3"/5" (80mm/128 mm)	3" or 2"
Central Heating Mode								
Domestic Hot Water Mode		205	N/A	N/A				

MANIFOLDS

165 Manifold








205 Manifold










(USE PARTS MULTIPLIER FOR ALL OF THE FOLLOWING)

MAC 205/MAH 165 VENTING MATERIALS


COAXIAL VENTING 3"/5" (80mm/128mm)

VENTING COAXIAL	DESCRIPTION	ITEM	TRADE PRICE
	Coaxial Pipe 3.28' (1m) Long	KHG714088512	\$52
	Coaxial 90 Elbows	KHG714088712	\$28
	Coaxial 45 Elbows	KHG714088812	\$28
	Horizontal Vent Termination	KHG714088911	\$59
	Vertical Vent Termination	KHG714093512	\$83

TWIN PIPE POLYPROPYLENE VENTING

POLYPROPYLENE VENTING	DESCRIPTION	ITEM	TRADE PRICE
	Boiler Appliance Twin Pipe Adapters For Polypropylene	KHG714089010	\$36
	80mm Venting Clamp	550003416	\$34
	Polypropylene Pipe 3.28' (1m) Long	KUG714132610	\$16
	Polypropylene 90 Elbows	KUG714132410	\$11
	Polypropylene 45 Elbows	KUG714132310	\$11
	Horizontal Vent Termination	KUG714132010	\$18
	Vertical Vent Termination	KUG714132110	\$44

TWIN PIPE CPVC UL1738 / S636 VENTING ADAPTER KIT

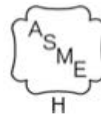
	DESCRIPTION	ITEM	TRADE PRICE
	Boiler Appliance Twin Pipe Adapter Kit For 3" CPVC UL1738 / S636	550003403	\$100

OPTIONAL ITEMS

	PN	TRADE
OUTSIDE AIR SENSOR	BD710487302V	\$33
DHW SENSOR KIT	550003189	\$72
FLOOR STAND KIT	240010266	\$599

CUB SERIES

NATURAL OR PROPANE
 MODULATING 3:1
 SPACE HEATING ONLY & COMBI
 (CHIMNEY/SIDEWALL VENTED)

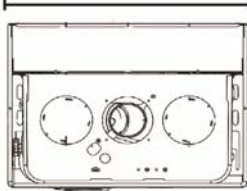


**DWB Combi Unit
 (CCB-150) Shown**

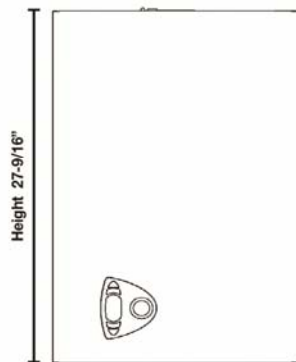
See IOM for dimensions
 on other models.

TOP

Width 17-23/32"



FRONT



Height 27-9/16"

SIDE

Depth 13"



Primary/Secondary Manifold
 is Included



General Information (See IOM for complete instructions)

Clearances		Combustible Materials Required ⁽¹⁾	Service ^{(1) (2)}
		(1) Required distances measured from boiler. (2) Service, proper operation clearance recommendation.	Top
Left Side	0" (0 cm)		1" (3 cm)
Right Side	0" (0 cm)		1" (3 cm)
Front	0" (0 cm)		1" (3 cm)
Back	0" (0 cm)		0" (0 cm)
Bottom	0" (0 cm)		12" (30 cm)
Combustion Air/Vent Piping	0" (0 cm)		3/8" (1 cm)
Vent Piping	6" (15 cm)	6" (15 cm)	

Connections	
CCB-150	Return/Supply Water 1", Gas In 3/4" NPT, Domestic Hot Water Inlet/Outlet 3/4" NPT
CHB-100, CHB-130 & CHB-150	Return/Supply Water 1", Gas In 3/4" NPT, Indirect Tank 3/4" NPT
Electrical	120 Volts AC, 60 hertz, 1 phase, Less than 12 amps (15 amp circuit recommended)
Water Content	CCB-150/CHB-150 - .396 Gallons, CHB-130 - .317 Gallons, CHB-100 - .211 Gallons

Dimensions			
Model	"Width"	"Height"	"Depth"
CCB-150/CHB-150	17-23/32"	27-9/16"	13"
CHB-130	15-3/4"	27-9/16"	13"
CHB-100	15-3/4"	27-9/16"	13"

CUB SERIES CONTINUED

(NATURAL GAS - LESS SYSTEM PUMP, COMBI WITH DOMESTIC HOT WATER)

BOILER MODEL	ITEM NUMBER	TRADE PRICE	INPUT RATE (MBH)	HTG. CAP. (MBH)	AHRI NET (MBH)	AFUE RATING %	CHIMNEY CAT. I (Min. Size)	SIDE-WALL CAT. III	SHIP WGT.
CCB150	CCB0150000110	\$2,280	150	127	110	85.0	4"	3"	78

(NATURAL GAS - LESS SYSTEM PUMP, SPACE HEATING ONLY)

BOILER MODEL	ITEM NUMBER	TRADE PRICE	INPUT RATE (MBH)	HTG. CAP. (MBH)	AHRI NET (MBH)	AFUE RATING %	CHIMNEY CAT. I (Min. Size)	SIDE-WALL CAT. III	SHIP WGT.
CHB100	CHB0100000110	\$1,766	100	85	73	85.0	4"	3"	65
CHB130	CHB0130000110	\$1,957	130	110	96	85.0	4"	3"	69
CHB150	CHB0150000110	\$2,070	150	130	110	85.0	4"	3"	73

(USE PARTS MULTIPLIER FOR ALL OF THE FOLLOWING)

	PN	TRADE
NATURAL TO LP CONVERSION KIT (CCB150 & CHB-150)	FE3980C150	\$68
NATURAL TO LP CONVERSION KIT (CHB100)	FE3980C300	\$61
NATURAL TO LP CONVERSION KIT (CHB130)	FE3980B950	\$65
DIRECT VENT KIT	5612601	\$145
OUTSIDE AIR SENSOR	FE013018X0	\$30
DHW SENSOR KIT	550002958	\$55
FLOOR STAND KIT	240010266	\$599
CHB 100/130 FLOOR BASE KIT	550003450	\$280
CCB/CHB 150 FLOOR BASE KIT	550003451	\$280

CUB SERIES - STANDARD EQUIPMENT

CUB on Floor Base

STANDARD EQUIPMENT:

- Boiler Control Module: High Limit/Electronic Ignition Control.
- User Display Interface: Digital Temperature Display with diagnostics and programmable settings.
- Heat Exchanger: Copper Fin Tube.
(CCB-150 combination boiler includes a stainless steel brazed plate heat exchanger - 3.6 gpm at 70°F Temperature Rise, 6.3 gpm at 40°F Temperature Rise)
- Valve: 3-Way Water Diverting Valve.
- Combustion: Completely Installed and Wired Modulating Gas Control System (100% to 33%) with Stainless Steel Burners and Manifold consisting of: Automatic Modulating Gas Valve, Direct Spark Ignition Control, 100% Shut Off, Combination Spark Electrode/Flame Sensor.
- Safety: Pressure Switch (vent safety shutoff).
- Other: Assembled Boiler with Jacket, Induced Draft Fan, Combination Temperature/ Pressure Gauge, Circulator Pump, Gas Shut Off Valve and Field installed - 30lb. ASME Relief Valve.

