



Trade Price Addendum 416

EFFECTIVE 4/1/16



SSC Wall-Hung Stainless Steel Modulating Condensing Boiler

- 95% AFUE
- Available in 50 - 299 MBH
- Built-In Primary/Secondary Piping



SSV Wall-Hung Stainless Steel Modulating Condensing Boiler

- 95% AFUE
- Available in 50 - 200 MBH
- SSV 399 Floor Mount Available



MAC Wall-Hung Stainless Steel Modulating Condensing Boiler

- 95% AFUE
- Available in 125 - 150 MBH
- Combi or Heating Only



UB90-100 Condensing Boiler

- Up to 90% AFUE
- Available in 50 - 100 MBH
- Floor Mounted

CUSTOMER SERVICE / TECH. SUPPORT

P: 800-325-5479
 F: 315-724-9319 / 866-432-7329
www.utica boilers.com

CORPORATE SALES

P: 877-386-5475
 F: 716-366-4670

LITERATURE

literature@ecrinternational.com
 P/N 240005093 Addendum
 416, Rev. C

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TERMS & CONDITIONS OF SALE - GENERAL TERMS

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

PAYMENT TERMS: Net 30 Days

ORDERS: 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.

TAXES: Add to the prices and terms quoted any manufacturers' or sales tax payable on the transaction under any effective statute.

SHIPMENT

TRUCK LOADS: \$40,000 Net Order Value - Freight Prepaid. Indirect Water Heaters and Additional Boiler lines can be added to any residential order for freight purposes. Authorized Distributors can combine Argo, Airco, Dunkirk, EMI, Olsen, Pennco and Utica and on one purchase order to earn free freight.

Stop off charges of \$150 will apply to stop off locations within 100 miles of final destination. Please call for pricing for stop off special handling for a location further than 100 miles or for special handling pricing for services such as lift gate, unloading assistance, etc.

LESS THAN TRUCKLOAD SHIPMENT: 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) Fuel Characteristics (i.e. Oil, Natural Gas, Propane)
- 10) Electrical Characteristics (i.e. - Operating Voltage, Cycles, Phases, etc.)
- 11) Non-Standard Equipment (Indicate "Optional" when substituted for standard equipment at extra cost listed. added to standard equipment).
- 12) Kits or Parts (Orders for kits or parts must indicate equipment size and series).
- 13) Send orders to:

**E-Mail: ecrorderentry@ecrinternational.com
 Fax: 315-724-9319**

14) Please note the following Remit To Address:

**ECR International, Inc.
 P.O. Box 8000 Department 039
 Buffalo, NY 14267**

Continued on Next Page

**TERMS & CONDITIONS OF SALE - GENERAL TERMS CONTINUED
U.S. DISTRIBUTOR - RETURN MATERIAL POLICY - EFFECTIVE 8/18/2014**

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.

Prior Approval Required - All returns for exchange, credit, repair service or warranty claim must be approved by ECR and require an RMA number prior to return of the material. A request must be completed via ECR International's online web portal. Please log on 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.

Eligibility - An RMA Request must be received within 60 days from the date of invoice for returns of New & Unused product in original packaging. A restocking fee of 15% will be charged for all new and unused returns that are approved for return. Special Order Products (items not offered as standard in ECR trade price book) 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.

Repair Service - Request for repair or rework of product damaged by customer is classified as Repair Service. Repair Service is billed at \$75.00 per hour for labor and net price for parts used in repair/rework. ECR's Return Material (RM) department will evaluate the items returned for repair service. The customer will receive an estimate for the dollar amount, determined by ECR's RM department required to complete the repairs requested. A Purchase Order (PO) from the customer for that amount will be required before any work is performed.

RMA Expiration - Once the RMA number 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.

Shipping & Packaging - 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 of new and unused product must be in the original packaging. All returns must be shipped prepaid by the customer unless otherwise directed by ECR as indicated on the RMA Verification. Ship all approved return material to the facility indicated on the approved RMA Request by the date indicated.

Replacement Product - If replacement product is desired it must be indicated on the RMA Request. A PO# is required for the replacement shipment and must be indicated on the RMA Request. All replacement products will be invoiced at the time of shipment. ECR will pay the ground freight for all warranty replacements.

Application of Credit - Credit for returned product will be applied to the customer's account (less restocking fees for New and Unused returns) only after confirmation of receipt by ECR and inspection of the product. Issuance of a credit for a partial return of product does not relieve the customer from the obligation to remit payment for the merchandise not returned in accordance with the payment terms referenced on the customer's invoice(s). Customer will have the option to have any product that is denied for credit returned at their expense.

<http://www.ecrcustomerportal.com>

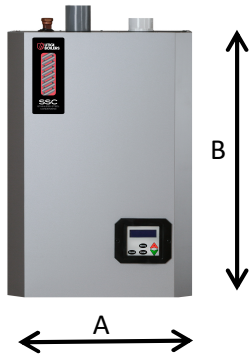
SSC SERIES

NATURAL OR PROPANE
MODULATING CONDENSING
HOT WATER BOILER

150 psi
MAWP



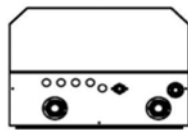
Front



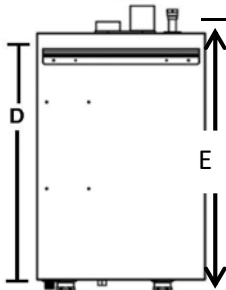
Top



Bottom



Back



All SSC models have an AFUE of 95% and meet the criteria for 2016 Most Efficient.



General Information (See IOM for complete instructions)

Clearances	Combustible Materials (Required) (1)		Service (2)		
	1) Required distances measured from boiler.	Top	0" (0 cm)	14" (36 cm)	
Left Side		0" (0 cm)	0" (0 cm)		
Right Side		0" (0 cm)	0" (0 cm)		
Front		0" (0 cm)	6" (16 cm)		
Back		0" (0 cm)	0" (0 cm)		
Bottom		0" (0 cm)	12" (32 cm)		
(2) Service, proper operation clearance recommended.	Combustion Air/Vent Piping	0" (0 cm)	6" (16 cm)		
	(Schedule 40 PVC)				
Combustion Air & Vent Pipe Equiv. Length	2" Pipe		3" Pipe		4" Pipe
	50	75/100	75/100	150/200	299
Min. Length	6 Ft.	6 Ft.	6 Ft.	6 Ft.	6 Ft.
	(1.8 m)	(1.8 m)	(1.8 m)	(1.8 m)	(1.8 m)
Max. Length	100 Ft.	50 Ft.	100 Ft.	100 Ft.	25 Ft.
	(30.5 m)	(15.2 m)	(30.5 m)	(30.5 m)	(7.7 m)

Dimensions

Models	050	150
		075
	100	*299
Width "A"	20"	23"
	508 mm	584 mm
Height "B"	31"	42"
	787 mm	1067 mm
*Depth "C"	14-3/4"	*16"
	375 mm	406 mm
Bracket "D"	27.7"	38.7"
	704 mm	983 mm
Ht. w/Piping "E"	32"	43"
	813 mm	1092 mm

Note: Refer to IOM and vent pipe manufacturer's instructions for equivalent vent lengths and alternate venting materials.

Connections	Return/Supply Water	Gas In	Cond. Drain
050/075/100	1-1/4" NPT	1/2" NPT	3/4" NPT
150/200/299	1-1/4" NPT	3/4" NPT	3/4" NPT
Electrical	120 Volts AC, 60 hertz, 1 phase, Less than 12 amps (15 amp circuit recommended)		
Water Content	050/075/100 - 1.1 Gallons, 150/200/299 - 1.8 Gallons		
*299 Dimensions are the same as 150/200 models except for Depth which is 18.4"/467 mm for the 299 model.			

SSC SERIES CONTINUED								
(NATURAL GAS - LESS SYSTEM PUMP)								
BOILER MODEL	ITEM NUMBER	TRADE PRICE	INPUT (MBH) MAX/ MIN	HTG. CAP. (MBH)	AHRI NET (MBH)	AFUE RATING %	FLUE DIA.	BLR./ SHP WGT. LBS.
UBSSC-50	SSC105003500210	\$4,072	50/10	46	40	95	2"	91/111
UBSSC-75	SSC107503500210	\$4,152	75/15	69	60	95	2" or 3"	91/111
UBSSC-100	SSC110003500210	\$4,344	100/20	91	79	95	2" or 3"	91/111
UBSSC-150	SSC115003500210	\$5,483	150/30	139	121	95	3"	157/182
UBSSC-200	SSC120003500210	\$5,855	200/40	185	161	95	3"	157/182
UBSSC-299	SSC129903500210	\$9,023	299/60	273	239	95	3" or 4"	195/225
(NATURAL GAS - WITH TACO SYSTEM PUMP)								
BOILER MODEL	ITEM NUMBER	TRADE PRICE	INPUT (MBH) MAX/ MIN	HTG. CAP. (MBH)	AHRI NET (MBH)	AFUE RATING %	FLUE DIA.	BLR./ SHP WGT. LBS.
UBSSC-50	SSC105003510210	\$4,215	50/10	46	40	95	2"	91/111
UBSSC-75	SSC107503510210	\$4,295	75/15	69	60	95	2" or 3"	91/111
UBSSC-100	SSC110003510210	\$4,487	100/20	91	79	95	2" or 3"	91/111
UBSSC-150	SSC115003510210	\$5,626	150/30	139	121	95	3"	157/182
UBSSC-200	SSC120003510210	\$5,998	200/40	185	161	95	3"	157/182
(NATURAL GAS - WITH GRUNDFOS SYSTEM PUMP)								
BOILER MODEL	ITEM NUMBER	TRADE PRICE	INPUT (MBH) MAX/ MIN	HTG. CAP. (MBH)	AHRI NET (MBH)	AFUE RATING %	FLUE DIA.	BLR./ SHP WGT. LBS.
UBSSC-50	SSC105003520210	\$4,215	50/10	46	40	95	2"	91/111
UBSSC-75	SSC107503520210	\$4,295	75/15	69	60	95	2" or 3"	91/111
UBSSC-100	SSC110003520210	\$4,487	100/20	91	79	95	2" or 3"	91/111
UBSSC-150	SSC115003520210	\$5,626	150/30	139	121	95	3"	157/182
UBSSC-200	SSC120003520210	\$5,998	200/40	185	161	95	3"	157/182
Note: The UB SSC299 is only available less system pump.								

SSC SERIES CONTINUED		
SSC SERIES - VENTING OPTIONS/ADDITIONAL EQUIPMENT (USE PARTS MULTIPLIER)	PN	TRADE
050 NATURAL TO LP AND LP TO NATURAL GAS CONVERSION KIT	550002303	\$46
075 NATURAL TO LP AND LP TO NATURAL GAS CONVERSION KIT	550002304	\$46
100 NATURAL TO LP AND LP TO NATURAL GAS CONVERSION KIT	550002305	\$46
150 NATURAL TO LP AND LP TO NATURAL GAS CONVERSION KIT	550002306	\$46
200 NATURAL TO LP AND LP TO NATURAL GAS CONVERSION KIT	550002307	\$46
299 NATURAL TO LP AND LP TO NATURAL GAS CONVERSION KIT	550002799	\$48
2" CONCENTRIC VENT KIT	29570	\$218
3" CONCENTRIC VENT KIT	29571	\$218
MULTIPLE BOILER SENSOR KIT	550002186	\$78
FLOOR STAND KIT	240010266	\$587

SSC SERIES - STANDARD EQUIPMENT

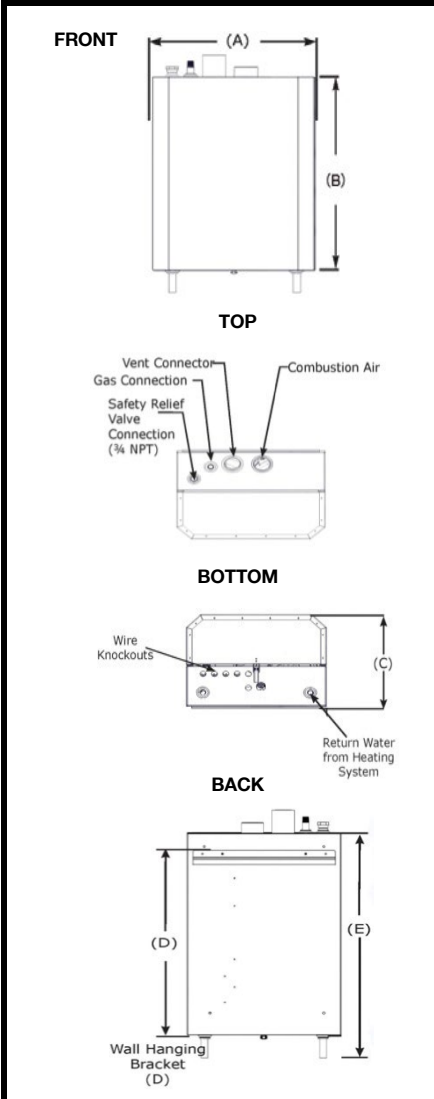
STANDARD EQUIPMENT:

- Wall Mounted: Bracket included.
- Boiler Control Module: Automatic Low Voltage/Intermittent Direct Spark Ignition/Modulating with a 5:1 combustion turn down ratio. For multiple boiler applications - the control module can stage up to 16 boilers.
- User Display interface: Easy programming with text display. Remote mount option utilizes standard thermostat conductor wiring. Outdoor Temperature Sensor included.
- Heat Exchanger: High grade 316L/444 Stainless Steel Fin Coil with Flame Sight Glass.
- Built-in Primary/Secondary Manifold Piping and Pump.
- Combustion: Gas Valve with Premix Venturi and Blower, Durable Stainless Steel Mesh Modulating Burner with 5:1 turn down ratio, Direct Spark Igniter, Flame Sensor and LP Conversion Kit included.
- Electrical: Detachable Low Voltage Terminal Strip, High Voltage Junction Box and Transformer.
- Other: Factory installed probe-type Low Water Cut Off with test feature, 30 PSI Safety Relief Valve, Boiler Drain Valve and Condensate Drain with built in trap.

SSV SERIES

NATURAL OR PROPANE
MODULATING CONDENSING
HOT WATER BOILER

150 psi
MAWP



All SSV models have an AFUE of 95% and meet the criteria for 2016 Most Efficient.



General Information (See IOM for complete instructions)

Clearances	Combustible Materials (Required) (1)		Service (2)	
	1) Required distances measured from boiler jacket.	Top	0" (0 cm)	14" (36 cm)
Left Side		0" (0 cm)	0" (0 cm)	
Right Side		0" (0 cm)	0" (0 cm)	
Front		0" (0 cm)	6" (16 cm)	
Back		0" (0 cm)	0" (0 cm)	
Bottom		0" (0 cm)	12" (32 cm)	
(2) Service, proper operation clearance recommended.	Combustion Air/Vent Piping	0" (0 cm)	6" (16 cm)	
	Combustion Air & Vent Pipe Equiv. Length	(Schedule 40 PVC)		
Min. Length	2" Pipe		3" Pipe	
	50	75/100	75/100	150/200
Max. Length	6 Ft. (1.8 m)	6 Ft. (1.8 m)	6 Ft. (1.8 m)	6 Ft. (1.8 m)
	100 Ft. (30.5 m)	50 Ft. (15.2 m)	100 Ft. (30.5 m)	100 Ft. (30.5 m)

Note: Refer to IOM and vent pipe manufacturer's instructions for equivalent vent lengths and alternate venting materials.

Dimensions		
Models	050	150
	075	200
	100	
Width "A"	20"	23"
	508 mm	584 mm
Height "B"	27.75"	37.75"
	705 mm	959 mm
Depth "C"	14.75"	16.3"
	375 mm	414 mm
Bracket "D"	24.41"	35.6"
	620 mm	904 mm
Ht. w/Piping "E"	30.75"	40.75"
	781 mm	1035 mm

Connections	Return/Supply Water	Gas In	Cond. Drain
050/075/100	3/4" Copper Stub	1/2" NPT	3/4" NPT
150/200	1" Copper Stub	3/4" NPT	3/4" NPT
Electrical	120 Volts AC, 60 hertz, 1 phase, Less than 12 amps (15 amp circuit recommended)		
Water Content	050/075/100 - 1.1 Gallons, 150/200 - 1.8 Gallons		

SSV SERIES CONTINUED								
(NATURAL GAS - LESS SYSTEM PUMP)								
BOILER MODEL	ITEM NUMBER	TRADE PRICE	INPUT (MBH) MAX/ MIN	HTG. CAP. (MBH)	AHRI NET (MBH)	AFUE RATING %	FLUE DIA.	BLR./ SHP WGT. LBS.
SSV-50	SSV105003500110	\$3,359	50/10	46	40	95	2"	91/111
SSV-75	SSV107503500110	\$3,460	75/15	69	60	95	2"	91/111
SSV-100	SSV110003500110	\$3,567	100/20	91	79	95	2"	91/111
SSV-150	SSV115003500110	\$4,817	150/30	139	121	95	3"	157/182
SSV-200	SSV120003500110	\$5,030	200/40	185	161	95	3"	157/182

SSV SERIES CONTINUED		
SSV SERIES - VENTING OPTIONS/ADDITIONAL EQUIPMENT (USE PARTS MULTIPLIER)	PN	TRADE
050 NATURAL TO LP AND LP TO NATURAL GAS CONVERSION KIT	550002303	\$46
075 NATURAL TO LP AND LP TO NATURAL GAS CONVERSION KIT	550002304	\$46
100 NATURAL TO LP AND LP TO NATURAL GAS CONVERSION KIT	550002305	\$46
150 NATURAL TO LP AND LP TO NATURAL GAS CONVERSION KIT	550002306	\$46
200 NATURAL TO LP AND LP TO NATURAL GAS CONVERSION KIT	550002307	\$46
2" CONCENTRIC VENT KIT	29570	\$218
3" CONCENTRIC VENT KIT	29571	\$218
MULTIPLE BOILER SENSOR KIT	550002186	\$78
FLOOR STAND KIT	240010266	\$587

SSV SERIES - STANDARD EQUIPMENT

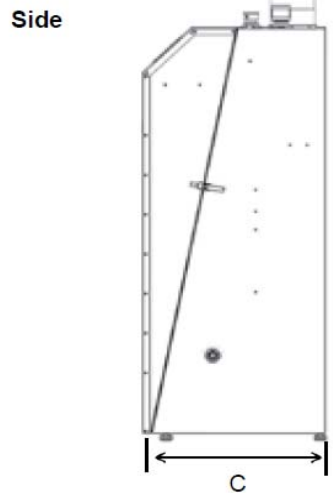
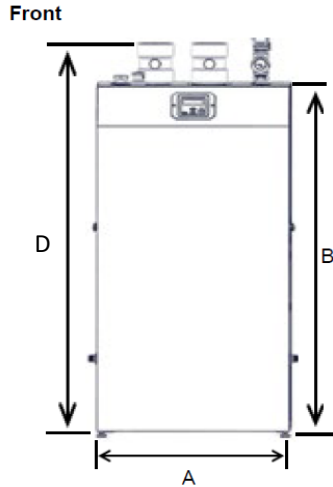
STANDARD EQUIPMENT:

- Wall Mounted: Bracket included.
- Boiler Control Module: Automatic Low Voltage/Intermittent Direct Spark Ignition/Modulating with a 5:1 combustion turn down ratio. For multiple boiler applications - the control module can stage up to 16 boilers.
- User Display interface: Easy programming with text display. Remote mount option utilizes standard thermostat conductor wiring. Outdoor Temperature Sensor included.
- Heat Exchanger: High grade 316L/444 Stainless Steel Fin Coil with Flame Sight Glass.
- Combustion: Gas Valve with Premix Venturi and Blower, Durable Stainless Steel Mesh Modulating Burner with 5:1 turn down ratio, Direct Spark Igniter, Flame Sensor.
- Electrical: Low Voltage Terminal Strip, High Voltage Junction Box and Transformer.
- Other: 30 PSI Safety Relief Valve, Boiler Drain Valve and Condensate Drain with built in trap.

SSV 399

NATURAL OR PROPANE
MODULATING CONDENSING
HOT WATER BOILER

150 psi
MAWP



The SSV 399 model has a Thermal Efficiency of 96%



General Information (See IOM for complete instructions)

Clearances	Combustible Materials (Required) (1)		Service (2)
	1) Required distances measured from boiler jacket.	Top	0" (0 cm)
Left Side		0" (0 cm)	6" (15 cm)
Right Side		0" (0 cm)	6" (15 cm)
Front		0" (0 cm)	24" (61 cm)
Back		0" (0 cm)	0" (0 cm)
Bottom		0" (0 cm)	0" (0 cm)
(2) Service, proper operation clearance recommended.	Combustion Air/Vent Piping	0" (0 cm)	6" (16 cm)
	Combustion Air & Vent Pipe Equiv. Length	(Schedule 40 PVC) 4" Pipe	
Min. Length	6 Ft. (1.8 m)		
Max. Length	100 Ft. (30.5 m)		

Dimensions

Model 399 - Physical Data

Width "A"	27 - 1/8"
	688 mm
Height "B"	52"
	1320 mm
Depth "C"	21 - 1/8"
	537 mm
Ht. w/vent "D"	56 - 1/4"
	1439 mm

Note: Refer to IOM and vent pipe manufacturer's instructions for equivalent vent lengths and alternate venting materials.

Connections	Return/Supply Water	Gas In	Cond. Drain
399	1-1/4" FPT	1" FPT	3/4" MPT
Electrical	120 Volts AC, 60 hertz, 1 phase, Less than 25 amps (15 amp circuit recommended)		
Water Content	2.2 Gallons		

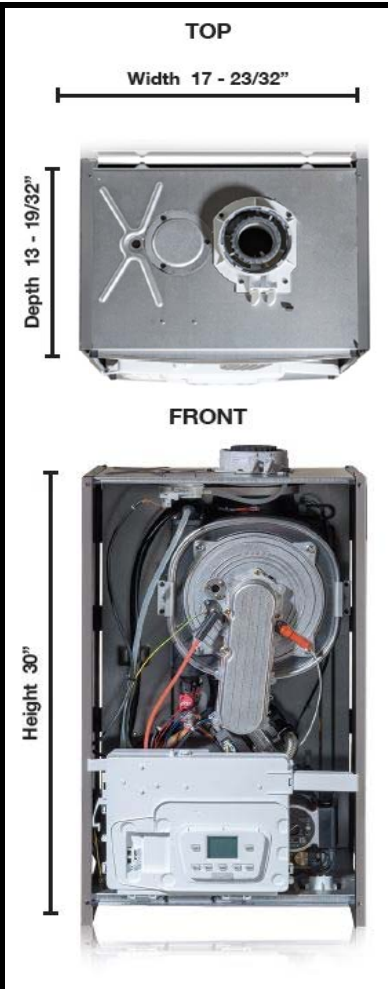
SSV 399 CONTINUED								
(NATURAL AND LP GAS - LESS PRIMARY PUMP)								
BOILER MODEL	ITEM NUMBER	TRADE PRICE	INPUT (MBH) MAX/ MIN	HTG. CAP. (MBH)	AHRI NET (MBH)	THERMAL EFFIC. RATING %	FLUE DIA.	BLR./ SHP WGT. LBS.
SSV-399	SSV139903500110	\$11,293	399/80	379	329	96	4"	290/265
(NATURAL AND LP GAS - WITH GRUNDFOS PRIMARY PUMP)								
BOILER MODEL	ITEM NUMBER	TRADE PRICE	INPUT (MBH) MAX/ MIN	HTG. CAP. (MBH)	AHRI NET (MBH)	THERMAL EFFIC. RATING %	FLUE DIA.	BLR./ SHP WGT. LBS.
SSV-399	SSV139903520110	\$11,614	399/80	379	329	96	4"	290/265
SSV 399 CONTINUED								
SSV 399 - VENTING OPTIONS/ADDITIONAL EQUIPMENT (USE PARTS MULTIPLIER)					PN	TRADE		
4" CONCENTRIC VENT KIT					240011223	\$590		
MULTIPLE BOILER SENSOR KIT					550002186	\$78		
MANUAL RESET HIGH LIMIT KIT L4006E1109					550003143	\$166		
SSV 399 - STANDARD EQUIPMENT								
STANDARD EQUIPMENT:								
-*CSD-1 Control package includes: UL listed LWCO w/Manual Reset, High Temperature limit w/Manual reset. -Boiler Control Module: Automatic Line Voltage/Intermittent Direct Spark Ignition. For multiple boiler applications - the control module can stage up to 16 boilers. -User display interface: Easy programming with text display, Outdoor Temperature Sensor included. -Heat Exchanger: High grade 316L/444 Stainless Steel Fin Coil with Flame Sight Glass. -Combustion: Gas Valve with Premix Venturi and Blower, Durable Stainless Steel Mesh Modulating Burner with 5:1 turndown ratio, Direct Spark Igniter and Flame Sensor. -Electrical: Line Voltage & Low Voltage Terminal Strips, High Voltage Junction Box, Transformer, 3 Pump Relays -Other: 50 PSI Safety Relief Valve, Boiler Drain Valve and Condensate Drain with built in trap, Leveling Legs.								
*Utica Boilers' interpretation of CSD-1 requirements. Consult local code authorities prior to installation.								

MAC/MAH

NATURAL OR PROPANE

MODULATING 7:1 ON COMBI 5.7:1 ON HEATING

SPACE HEATING ONLY BOILER & COMBI UNIT WITH DHW



All MAC models have an AFUE of 95% and meet the criteria for 2016 Most Efficient.



General Information (See IOM for complete instructions)

Clearances	Combustible Materials (Required) (1)		Service (2)
	1) Required distances measured from boiler.	Top	0" (0 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		1.57" (4.0 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)	N/A









Note: Boiler requires special venting - Use only venting systems that have been approved. Refer to Page 14

Coaxial Venting	2-pipe Polypropylene venting - Boiler Adapter Kit Required	2-pipe CPVP UL1738/ULC S636 Boiler Adapter Kit Required
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Dimensions			MAC & MAH		MAC & MAH		MAC & MAH	
Models	MAC-150	MAH-125	Feet (Ft)	Meters (m)	Feet (Ft)	Meters (m)	Feet (Ft)	Meters (m)
Width	17-23/32"	17-23/32"	32.8 Ft.	10 m	196.8 Ft. Combined	60 m	196.8 Ft. Combined	60 m
Height	30"	30"			Intake Air can not exceed 49.2 Ft.	15 m	Intake Air can not exceed 49.2 Ft.	15 m
Depth	13-19/32"	13-19/32"	Connections		Return/Supply Water		Gas In	
Weight (lbs.)	103	102	MAC-150 & MAH-125		3/4" SWT		3/4" FPT	
			MAC-150 DHW		1/2" SWT			
			Electrical					
			120 Volts AC, 60 hertz, 1 phase, Less than 12 amps (15 amp circuit recommended)					
			Water Content					
			125/150 - 0.95 Gallons					

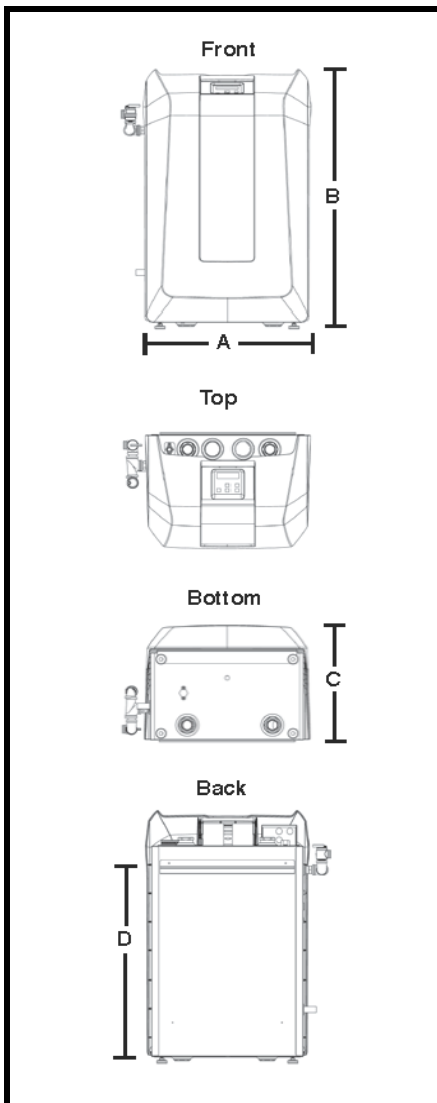
MAC/MAH CONTINUED*								
(NATURAL AND LP GAS - LESS SYSTEM PUMP, COMBI OR HEATING ONLY)								
BOILER MODEL	ITEM NUMBER	TRADE PRICE	INPUT RATE (MBH)	HTG. CAP. (MBH)	AHRI NET (MBH)	AFUE RATING %	VENTING COAXIAL	VENTING 2-PIPE
Space Heating Model								
MAH125	MAH112503600110	\$2,821	126	113	98	95.0	3.93"	3"
Combi Model								
MAC150	MAC115003600110	\$3,013	126	113	98	95.0	3.93"	3"
Central Heating Mode								
Domestic Hot Water Mode			153	136	N/A			
(NATURAL AND LP GAS - WITH TACO 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								
MAH125	MAH112503610110	\$2,964	126	113	98	95.0	3.93"	3"
Combi Model								
MAC150	MAC115003610110	\$3,156	126	113	98	95.0	3.93"	3"
Central Heating Mode								
Domestic Hot Water Mode			153	136	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								
MAH125	MAH112503620110	\$2,964	126	113	98	95.0	3.93"	3"
Combi Model								
MAC150	MAC115003620110	\$3,156	126	113	98	95.0	3.93"	3"
Central Heating Mode								
Domestic Hot Water Mode			153	136	N/A			
MAC/MAH - STANDARD EQUIPMENT								
<p><u>STANDARD EQUIPMENT:</u></p> <ul style="list-style-type: none"> -Boiler Control Module: High Limit/Electronic Ignition Control. -User Display Interface: Digital Temperature Display with diagnostics and programmable settings. -Heat Exchanger: Stainless Steel -3-Way Water Diverting Valve -Domestic Hot Water (DHW) Brazed Plate: Stainless Steel with 3.5 GPM @ 70° F Combustion: Automatically modulating gas valve with 5.7:1 Turndown for CH & 7:1 for DHW, Stainless Steel Burner, Direct Spark Ignition, Separate Flame Sensor, 100% shutoff. -Other: Assembled Boiler with Jacket, Induced Draft Fan, Circulator Pump, 30psi Relief Valve, Low Water Pressure Switch, Air Pressure Switch, Temperature/Pressure Gauge. <p>MAC-150 DHW Model: Stainless Steel Brazed Plate Heat Exchanger.</p>								

*These boilers require Utica Boilers vent accessories on page 14.

(USE PARTS MULTIPLIER FOR ALL OF THE FOLLOWING)			
MAC/MAH VENTING MATERIALS			
COAXIAL VENTING			
VENTING COAXIAL	DESCRIPTION	ITEM	TRADE PRICE
	Coaxial Pipe 3.28' (1m) Long	KUG714059511	\$36
	Coaxial 90 Elbows	KUG714059711	\$26
	Coaxial 45 Elbows	KUG714059811	\$26
	Horizontal Vent Termination	KUG714059611	\$44
	Vertical Vent Termination	KUG714135812	\$104
TWIN PIPE POLYPROPYLENE VENTING			
POLYPROPYLENE VENTING	DESCRIPTION	ITEM	TRADE PRICE
	Boiler Appliance Twin Pipe Adapters For Polypropylene	KHG714059113	\$16
	Polypropylene Pipe 3.28' (1m) Long	KUG714132610	\$15
	Polypropylene 90 Elbows	KUG714132410	\$10
	Polypropylene 45 Elbows	KUG714132310	\$10
	Horizontal Vent Termination	KUG714132010	\$17
	Vertical Vent Termination	KUG714132110	\$43
TWIN PIPE CPVC UL1738 / S636 VENTING ADAPTERS			
	DESCRIPTION	ITEM	TRADE PRICE
	Boiler Appliance Twin Pipe Adapters For 3" CPVC UL1738 / S636	550003184	\$53
OPTIONAL ITEMS			
		PN	TRADE
OUTSIDE AIR SENSOR		BD710487302V	\$32
DHW SENSOR KIT		550003189	\$53
FLOOR STAND KIT		240010266	\$587

ECR97GB SERIES
 NATURAL OR PROPANE
 MODULATING CONDENSING
 HOT WATER BOILER
 FLOOR/WALL MOUNT

150 psi
 MAWP



Floor Mount Capable



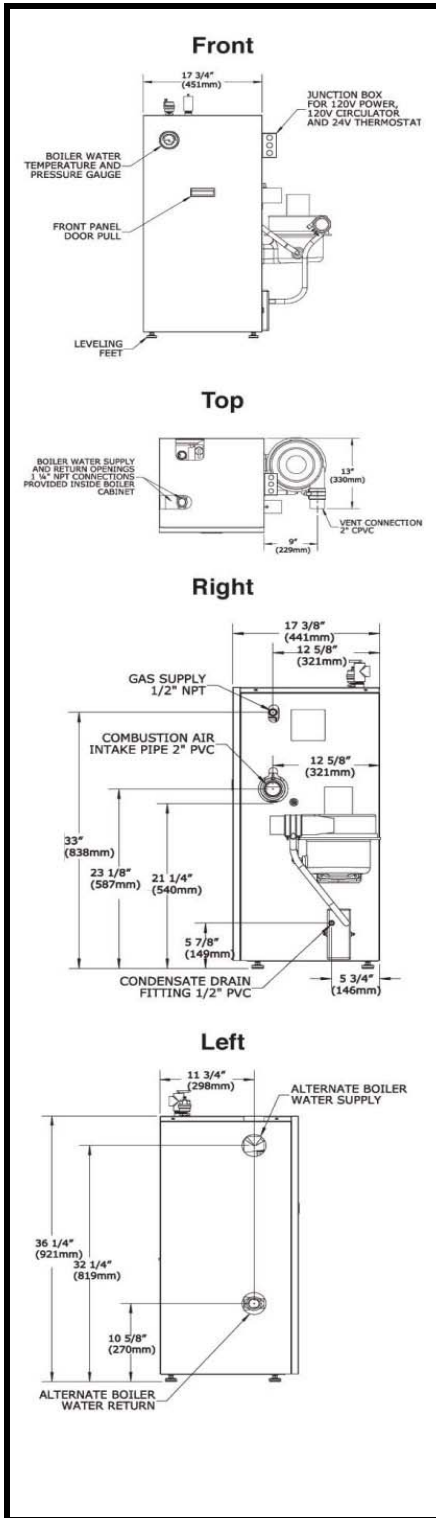
General Information (See IOM for complete instructions)

Clearances	Combustible Materials (Required) (1)		Service (2)	
	1) Required distances measured from boiler.	Top	0" (0 cm)	14" (36 cm)
Left Side		6" (16 cm)	6" (16 cm)	
Right Side		0" (0 cm)	1-1/2" (4 cm)	
Front		0" (0 cm)	6" (16 cm)	
Back		0" (0 cm)	0" (0 cm)	
Bottom		0" (0 cm)	12" (32 cm) for Bottom Piped	
(2) Service, proper operation clearance recommended.	Combustion Air/Vent Piping		6" (16 cm)	
	0" (0 cm)			
Combustion Air & Vent Pipe Equiv. Length	(Schedule 40 PVC)			
	2" Pipe 075/100	3" Pipe 075/100		
Min. Length	6 Ft. (1.8 m)	6 Ft. (1.8 m)		
	50 Ft. (15.2 m)	100 Ft. (30.5 m)		
Max. Length	Note: Refer to IOM and vent pipe manufacturer's instructions for equivalent vent lengths and alternate venting materials.			
	Connections			
Models	075/100	Return/Supply Water	Gas In	Cond. Drain
		075/100	1-1/4" NPT	1/2" NPT
Width "A"	22-1/16" (560 mm)	Electrical		
Height "B"	35-5/8" (905 mm)	120 Volts AC, 60 hertz, 1 phase, Less than 12 amps (15 amp circuit recommended)		
Depth "C"	16-3/16" (411 mm)	Water Content		
Bracket "D"	27-1/2" (969 mm)	075/100 - 1.1 Gallons		

ECR97GB SERIES CONTINUED								
(NATURAL GAS - LESS SYSTEM PUMP)								
BOILER MODEL	ITEM NUMBER	TRADE PRICE	INPUT (MBH) MAX/ MIN	HTG. CAP. (MBH)	AHRI NET (MBH)	AFUE RATING %	FLUE DIA.	BLR./ SHP WGT. LBS.
ECR97-075	ECR97A075N000UB	\$4,152	75	15	60	95	2" or 3"	140
ECR97-100	ECR97A100N000UB	\$4,344	100	20	79	95	2" or 3"	140
(NATURAL GAS - WITH TACO SYSTEM PUMP)								
BOILER MODEL	ITEM NUMBER	TRADE PRICE	INPUT (MBH) MAX/ MIN	HTG. CAP. (MBH)	AHRI NET (MBH)	AFUE RATING %	FLUE DIA.	BLR./ SHP WGT. LBS.
ECR97-075	ECR97A075N100UB	\$4,305	75	15	60	95	2" or 3"	140
ECR97-100	ECR97A100N100UB	\$4,497	100	20	79	95	2" or 3"	140
(NATURAL GAS - WITH GRUNDFOS SYSTEM PUMP)								
BOILER MODEL	ITEM NUMBER	TRADE PRICE	INPUT (MBH) MAX/ MIN	HTG. CAP. (MBH)	AHRI NET (MBH)	AFUE RATING %	FLUE DIA.	BLR./ SHP WGT. LBS.
ECR97-075	ECR97A075N300UB	\$4,305	75	15	60	95	2" or 3"	140
ECR97-100	ECR97A100N300UB	\$4,497	100	20	79	95	2" or 3"	140
ECR97GB SERIES CONTINUED								
ECR97GB SERIES - VENTING OPTIONS/ADDITIONAL EQUIPMENT (USE PARTS MULTIPLIER)					PN	TRADE		
ECR97 075 GAS CONVERSION KIT (NAT. TO LP & LP TO NAT.)					550002171	\$49		
ECR97 100 GAS CONVERSION KIT (NAT. TO LP & LP TO NAT.)					550002172	\$34		
2" CONCENTRIC VENT KIT					29570	\$218		
3" CONCENTRIC VENT KIT					29571	\$218		
MULTIPLE BOILER SENSOR KIT					550002186	\$78		
ECR97GB SERIES - STANDARD EQUIPMENT								
STANDARD EQUIPMENT:								
- Mounting Floor/Wall: Leveling Legs and Wall Bracket both included.								
- Boiler Control Module: Automatic Low Voltage/Intermittent Power Reset. Controls up to 16 boilers for multiple boiler applications.								
- User Display interface: Easy programming with text display. Remote mount option utilizes standard thermostat conductor wiring.								
- Heat Exchanger: High grade 316L/444 Stainless Steel Fin Coil with Flame Sight Glass. Built-in Primary/Secondary Manifold Piping and Pump.								
- Combustion: Gas Valve with Premix Venturi and Blower, Durable Stainless Steel Mesh Burner, Direct Spark Igniter, Flame Sensor and LP Conversion Kit included.								
- Electrical: Detachable Low Voltage Terminal Strip, High Voltage Junction Box, Transformer, Lighted Power Switch and Auxiliary Service Power Outlet.								
- Other: Low Water Cut Off with test feature, Outdoor Temperature Reset, 30 PSI Safety Relief Valve, Boiler Drain Valve and Condensate Drain with built in trap.								

UB90-100 SERIES IV
 NATURAL OR PROPANE
 CONDENSING HOT WATER BOILER

50 psi
 MAWP



General Information (See IOM for complete instructions)

Clearances	Combustible Materials		Service (2)		
	(Required) (1)				
1) Required distances measured from boiler.	Top	1" (26 mm)	8" (204 mm)		
	Left Side	1" (26 mm)	N/A		
	Right Side	11" (280 mm)	N/A		
	Base	1" (26 mm)	N/A		
	Front	1" (26 mm)	24" (610 mm)		
	Back	1" (26 mm)	N/A		
(2) Service, proper operation clearance recommendation.	Combustion Air/Vent Piping	0" (0 mm)	N/A		
Combustion Air & Vent Pipe Equivalent Length (Schedule 40 PVC)	2" Pipe	050	3" Pipe	050	
		075		075	
	Min. Length	2 Ft. (.61 m)	15 Ft. (4.57 m)	20 Ft. (6.09 m)	92 Ft. (28.04 m)
		26 Ft. (7.92 m)		112 Ft. (34.14 m)	
Max. Length	2 Ft. (.61 m)	15 Ft. (4.57 m)	20 Ft. (6.09 m)	92 Ft. (28.04 m)	
	26 Ft. (7.92 m)		112 Ft. (34.14 m)		
Note: Refer to IOM and vent pipe manufacturer's instructions for equivalent vent lengths and alternate venting materials.					
Connections	Return/Supply Water	Gas In	Condensate Drain		
Dimensions	050/075/100	1-1/4" NPT	1/2" NPT	1/2" CPVC Stub	
Width	17-3/4" (451 mm)	Electrical			
Height	36-1/4" (921 mm)	120 Volts AC, 60 hertz, 1 phase, Less than 12 amps (15 amp circuit recommended)			
Depth	17-3/8" (441 mm)	Water Content			
		050/075/100 - 2.6 Gallons			

UB90-100 SERIES IV CONTINUED								
(NATURAL GAS - LESS SYSTEM PUMP)								
BOILER MODEL	ITEM NUMBER	TRADE PRICE	INPUT (MBH)	HTG. CAP. (MBH)	AHRI NET (MBH)	AFUE RATING %	FLUE DIA.	SHIP WGT.
UB90-50	U90205003200410	\$3,352	50	45	39	90	2" or 3"	256
UB90-75	U90207503200410	\$3,352	75	68	59	90	2" or 3"	256
UB90-100	U90210003200410	\$3,352	100	90	78	90	2" or 3"	256
(NATURAL GAS - WITH TACO SYSTEM PUMP)								
BOILER MODEL	ITEM NUMBER	TRADE PRICE	INPUT (MBH)	HTG. CAP. (MBH)	AHRI NET (MBH)	AFUE RATING %	FLUE DIA.	SHIP WGT.
UB90-50	U90205003210410	\$3,422	50	45	39	90	2" or 3"	256
UB90-75	U90207503210410	\$3,422	75	68	59	90	2" or 3"	256
UB90-100	U90210003210410	\$3,422	100	90	78	90	2" or 3"	256
(NATURAL GAS - WITH GRUNDFOS SYSTEM PUMP)								
BOILER MODEL	ITEM NUMBER	TRADE PRICE	INPUT (MBH)	HTG. CAP. (MBH)	AHRI NET (MBH)	AFUE RATING %	FLUE DIA.	SHIP WGT.
UB90-50	U90205003220410	\$3,422	50	45	39	90	2" or 3"	256
UB90-75	U90207503220410	\$3,422	75	68	59	90	2" or 3"	256
UB90-100	U90210003220410	\$3,422	100	90	78	90	2" or 3"	256
(LP GAS - LESS SYSTEM PUMP)								
BOILER MODEL	ITEM NUMBER	TRADE PRICE	INPUT (MBH)	HTG. CAP. (MBH)	AHRI NET (MBH)	AFUE RATING %	FLUE DIA.	SHIP WGT.
UB90-50	U90205013200410	\$3,352	50	45	39	90	2" or 3"	256
UB90-75	U90207513200410	\$3,352	75	68	59	90	2" or 3"	256
UB90-100	U90210013200410	\$3,352	100	90	78	90	2" or 3"	256
(LP GAS - WITH TACO SYSTEM PUMP)								
BOILER MODEL	ITEM NUMBER	TRADE PRICE	INPUT (MBH)	HTG. CAP. (MBH)	AHRI NET (MBH)	AFUE RATING %	FLUE DIA.	SHIP WGT.
UB90-50	U90205013210410	\$3,422	50	45	39	90	2" or 3"	256
UB90-75	U90207513210410	\$3,422	75	68	59	90	2" or 3"	256
UB90-100	U90210013210410	\$3,422	100	90	78	90	2" or 3"	256
(LP GAS - WITH GRUNDFOS SYSTEM PUMP)								
BOILER MODEL	ITEM NUMBER	TRADE PRICE	INPUT (MBH)	HTG. CAP. (MBH)	AHRI NET (MBH)	AFUE RATING %	FLUE DIA.	SHIP WGT.
UB90-50	U90205013220410	\$3,422	50	45	39	90	2" or 3"	256
UB90-75	U90207513220410	\$3,422	75	68	59	90	2" or 3"	256
UB90-100	U90210013220410	\$3,422	100	90	78	90	2" or 3"	256

UB90-100 SERIES IV CONTINUED		
(USE PARTS MULTIPLIER FOR ALL OF THE FOLLOWING)	PN	TRADE
CONCENTRIC VENT KIT 3"	29571	\$218
CONCENTRIC VENT KIT 2"	29570	\$218
ARGO AMB MULTIPLE BOILER CONTROL (INCLUDES OUTDOOR RESET, PRIORITY OVERRIDE, LEAD BOILER RUN TIME ROTATION):		
AMB4A TO ALLOW STAGE FIRING OF UP TO 4 BOILERS	AMB4AU	\$1,000
AMB8A TO ALLOW STAGE FIRING OF UP TO 8 BOILERS	AMB8AU	\$1,275
CONVERSION KIT NAT. TO LP UB90-50 (Series IV) 0' - 10,000'	550002631	\$75
CONVERSION KIT NAT. TO LP UB90-75 (Series IV) 5,000' - 10,000'	550002629	\$75
CONVERSION KIT NAT. TO LP UB90-75 (Series IV) 0' - 5,000'	550002630	\$75
CONVERSION KIT NAT. TO LP UB90-100 (Series IV) 0' - 10,000'	550002700	\$75
CONVERSION KIT LP TO NAT. UB90-50 (Series IV) 0' - 10,000'	550002635	\$75
CONVERSION KIT LP TO NAT. UB90-75 (Series IV) 0' - 10,000'	550002634	\$75
CONVERSION KIT LP TO NAT. UB90-100 (Series IV) 0' - 10,000'	550002701	\$75
2" CPVC 45° ELBOW	14631702	\$37
2" CPVC 90° ELBOW	240009663	\$26
2" CPVC TEE, SCHEDULE 80	240006819	\$36
2" CPVC COUPLING	240006822	\$23
FILL-TROL #110 FOR WATER BOILERS 150 MBH OR LESS	14624002	\$291
FILL-TROL #111 FOR WATER BOILERS OVER 150 MBH	14624003	\$392
UB90-100 SERIES IV - STANDARD EQUIPMENT		
<u>STANDARD EQUIPMENT:</u>		
<ul style="list-style-type: none"> - Boiler Control Module: HSI Integrated Boiler Control - Combination Hydrolevel High Limit with LWCO with boiler water temperature reset feature - Heat Exchanger: Cast Aluminum Heat Exchanger - Combustion: Stainless Steel Premix Burner - Induced Draft Blower with adjustable exhaust (front, right side or rear), includes 5' schedule 80 2" CPVC and CPVC Tee. - Electrical: Junction Box, Transformer. - Textured painted steel jacket. - Other: Temperature/Pressure Gauge, 30 PSI Safety Relief Valve, Pressure Switch(es), Low Profile 		