



# Trade Price Addendum 416

Innovative. Efficient. Dependable. Dunkirk.

Effective 4/1/16



**Helix VLT**  
Available in 50 - 299 MBH  
Built in Primary/  
Secondary Piping

95% AFUE



**DCB Series**  
Available in 125-150 MBH  
Wall Hung Modulating  
Condensing Boiler

95% AFUE



**Helix VX**  
Available in 50 - 200 MBH  
VX 399 Floor  
Mount Available

95% AFUE



**Q90-100 Series**  
Cast Aluminum Gas  
Condensing Boiler  
Floor Mounted

90% AFUE



Customer Service / Technical Support  
P: 800-325-5479 F: 315-724-9319 or 866-432-7329

Corporate Sales | Literature  
P: 877-386-5475 | literature@ecrinternational.com  
F: 716-366-4670

P/N 240005064 Addendum - 416, Rev. B



**Dunkirk**  
www.dunkirk.com

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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](mailto: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](http://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>

**HELIX VLT SERIES**

NATURAL OR PROPANE  
MODULATING CONDENSING  
HOT WATER BOILER

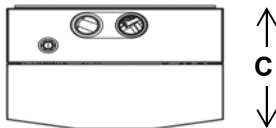
150 psi  
MAWP



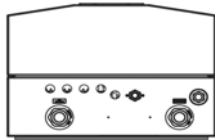
Front



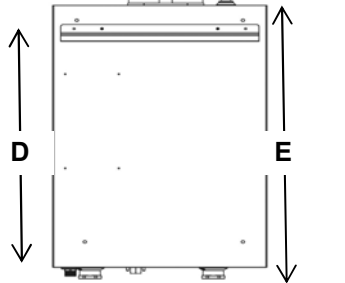
Top



Bottom



Back



All VLT 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 recommendation.	Combustion Air/Vent Piping	0" (0 cm)	6" (16 cm)	

Combustion Air & Vent Pipe Equivalent	(Schedule 40 PVC)					
	2" Pipe		3" Pipe		4" Pipe	
	50	75/100	75/100	150/200	299	299
Min. Length	6 Ft. (1.8 m)	6 Ft. (1.8 m)	6 Ft. (1.8 m)	6 Ft. (1.8 m)	6 Ft. (1.8 m)	6 Ft. (1.8 m)
Max. Length	100 Ft. (30.5 m)	50 Ft. (15.2 m)	100 Ft. (30.5 m)	100 Ft. (30.5 m)	25 Ft. (7.7 m)	100 Ft. (30.5 m)

Dimensions		
Models	050	150
	075	200
	100	*299
Width "A"	20" 508 mm	23" 584 mm
Height "B"	31" 787 mm	42" 1067 mm
*Depth "C"	14-3/4" 375 mm	16"/18.4" 406/467 mm
	Bracket "D"	27.7" 704 mm
Ht. w/ Piping "E"	32" 813 mm	43" 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 <b>except</b> for Depth which is 18.4"/467 mm for the 299 model.			

HELIX VLT 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.
DKVLT-50	VLT105003500203	\$3,825	50/10	46	40	95	2"	91/111
DKVLT-75	VLT107503500203	\$3,900	75/15	69	60	95	2" or 3"	91/111
DKVLT-100	VLT110003500203	\$4,080	100/20	91	79	95	2" or 3"	91/111
DKVLT-150	VLT115003500203	\$5,150	150/30	139	121	95	3"	157/182
DKVLT-200	VLT120003500203	\$5,500	200/40	185	161	95	3"	157/182
DKVLT-299	VLT129903500203	\$8,475	299/60	273	239	95	3" or 4"	195/225
(NATURAL GAS - LESS SYSTEM PUMP - HIGH ALTITUDE)								
BOILER MODEL	ITEM NUMBER	TRADE PRICE	INPUT (MBH) MAX/ MIN	HTG. CAP. (MBH)	AHRI NET (MBH)	AFUE RATING %	FLUE DIA.	BLR./ SHP WGT. LBS.
DKVLT-50	VLT105003502203	\$3,825	50/10	46	40	95	2"	91/111
DKVLT-75	VLT107503502203	\$3,900	75/15	69	60	95	2" or 3"	91/111
DKVLT-100	VLT110003502203	\$4,080	100/20	91	79	95	2" or 3"	91/111
DKVLT-150	VLT115003502203	\$5,150	150/30	139	121	95	3"	157/182
DKVLT-200	VLT120003502203	\$5,500	200/40	185	161	95	3"	157/182
DKVLT-299	VLT129903502203	\$8,475	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.
DKVLT-50	VLT105003510203	\$3,959	50/10	46	40	95	2"	91/111
DKVLT-75	VLT107503510203	\$4,034	75/15	69	60	95	2" or 3"	91/111
DKVLT-100	VLT110003510203	\$4,214	100/20	91	79	95	2" or 3"	91/111
DKVLT-150	VLT115003510203	\$5,284	150/30	139	121	95	3"	157/182
DKVLT-200	VLT120003510203	\$5,634	200/40	185	161	95	3"	157/182

HELIX VLT SERIES CONTINUED								
(NATURAL GAS - WITH TACO SYSTEM PUMP - HIGH ALTITUDE)								
BOILER MODEL	ITEM NUMBER	TRADE PRICE	INPUT (MBH) MAX/ MIN	HTG. CAP. (MBH)	AHRI NET (MBH)	AFUE RATING %	FLUE DIA.	BLR./ SHP WGT. LBS.
DKVLT-50	VLT105003512203	\$3,959	50/10	46	40	95	2"	91/111
DKVLT-75	VLT107503512203	\$4,034	75/15	69	60	95	2" or 3"	91/111
DKVLT-100	VLT110003512203	\$4,214	100/20	91	79	95	2" or 3"	91/111
DKVLT-150	VLT115003512203	\$5,284	150/30	139	121	95	3"	157/182
DKVLT-200	VLT120003512203	\$5,634	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.
DKVLT-50	VLT105003520203	\$3,959	50/10	46	40	95	2"	91/111
DKVLT-75	VLT107503520203	\$4,034	75/15	69	60	95	2" or 3"	91/111
DKVLT-100	VLT110003520203	\$4,214	100/20	91	79	95	2" or 3"	91/111
DKVLT-150	VLT115003520203	\$5,284	150/30	139	121	95	3"	157/182
DKVLT-200	VLT120003520203	\$5,634	200/40	185	161	95	3"	157/182
(NATURAL GAS - WITH GRUNDFOS SYSTEM PUMP - HIGH ALTITUDE)								
BOILER MODEL	ITEM NUMBER	TRADE PRICE	INPUT (MBH) MAX/ MIN	HTG. CAP. (MBH)	AHRI NET (MBH)	AFUE RATING %	FLUE DIA.	BLR./ SHP WGT. LBS.
DKVLT-50	VLT105003522203	\$3,959	50/10	46	40	95	2"	91/111
DKVLT-75	VLT107503522203	\$4,034	75/15	69	60	95	2" or 3"	91/111
DKVLT-100	VLT110003522203	\$4,214	100/20	91	79	95	2" or 3"	91/111
DKVLT-150	VLT115003522203	\$5,284	150/30	139	121	95	3"	157/182
DKVLT-200	VLT120003522203	\$5,634	200/40	185	161	95	3"	157/182

Note: The DKVLT299 is only available less system pump.

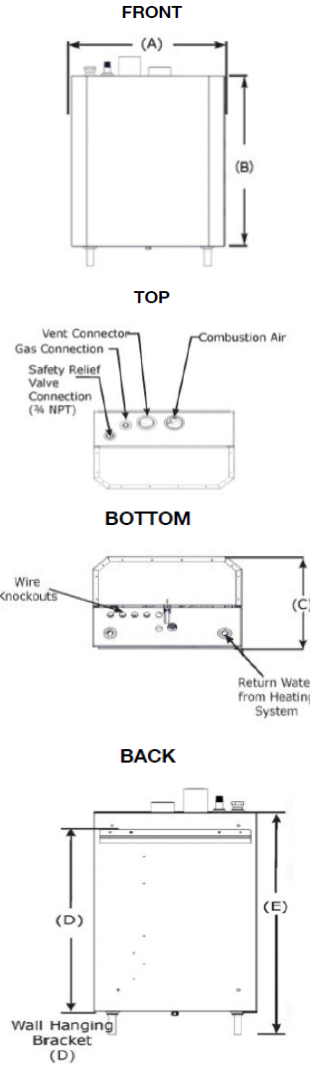
<b>HELIX VLT SERIES CONTINUED</b>		
<b>VLT SERIES - VENTING OPTIONS/ADDITIONAL EQUIPMENT (USE PARTS MULTIPLIER)</b>	<b>PN</b>	<b>TRADE</b>
<b>050 NATURAL TO LP AND LP TO NATURAL GAS CONVERSION KIT</b>	<b>550002303</b>	<b>\$46</b>
<b>075 NATURAL TO LP AND LP TO NATURAL GAS CONVERSION KIT</b>	<b>550002304</b>	<b>\$46</b>
<b>100 NATURAL TO LP AND LP TO NATURAL GAS CONVERSION KIT</b>	<b>550002305</b>	<b>\$46</b>
<b>150 NATURAL TO LP AND LP TO NATURAL GAS CONVERSION KIT</b>	<b>550002306</b>	<b>\$46</b>
<b>200 NATURAL TO LP AND LP TO NATURAL GAS CONVERSION KIT</b>	<b>550002307</b>	<b>\$46</b>
<b>299 NATURAL TO LP AND LP TO NATURAL GAS CONVERSION KIT</b>	<b>550002799</b>	<b>\$48</b>
<b>2" CONCENTRIC VENT KIT</b>	<b>29570</b>	<b>\$218</b>
<b>3" CONCENTRIC VENT KIT</b>	<b>29571</b>	<b>\$218</b>
<b>MULTIPLE BOILER SENSOR KIT</b>	<b>550002186</b>	<b>\$78</b>
<b>FLOOR STAND KIT</b>	<b>240010266</b>	<b>\$587</b>
<b>VLT SERIES - STANDARD EQUIPMENT</b>		
<b><u>STANDARD EQUIPMENT:</u></b>		
<ul style="list-style-type: none"> <li>- Wall Mounted: Bracket included.</li> <li>- 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.</li> <li>- User Display interface: Easy programming with text display. Outdoor Temperature Sensor included.</li> <li>- Heat Exchanger: High grade 316L/444 Stainless Steel Fin Coil with Flame Sight Glass.</li> <li>- Built-in Primary/Secondary Manifold Piping and Pump.</li> <li>- 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.</li> <li>- Electrical: Detachable Low Voltage Terminal Strip, High Voltage Junction Box and Transformer.</li> <li>- 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.</li> </ul>		



**VX SERIES**

NATURAL OR PROPANE  
MODULATING CONDENSING  
HOT WATER BOILER

150 psi  
MAWP



All VX 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"
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
<b>050/075/100</b>	3/4" Copper stub	1/2" NPT	3/4" NPT
<b>150/200</b>	1" Copper stub	3/4" NPT	3/4" NPT
<b>Electrical</b>	120 Volts AC, 60 hertz, 1 phase, Less than 12 amps (15 amp circuit recommended)		
<b>Water Content</b>	050/075/100 - 1.1 Gallons, 150/200 - 1.8 Gallons		

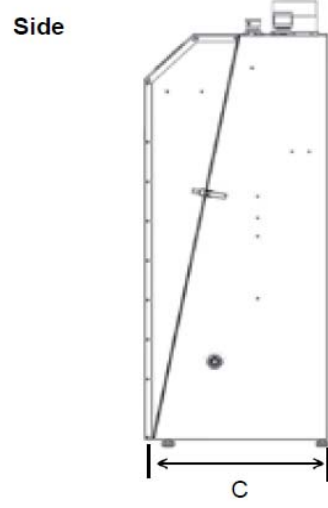
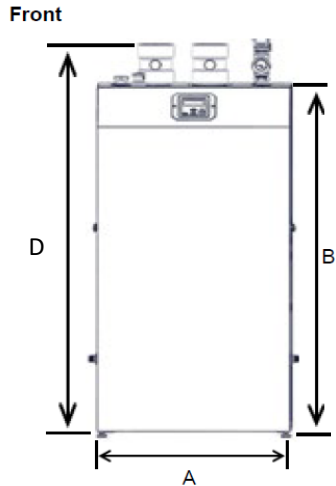
<b>VX SERIES CONTINUED</b>								
<b>(NATURAL GAS - LESS SYSTEM PUMP)</b>								
<b>BOILER MODEL</b>	<b>ITEM NUMBER</b>	<b>TRADE PRICE</b>	<b>INPUT (MBH) MAX/ MIN</b>	<b>HTG. CAP. (MBH)</b>	<b>AHRI NET (MBH)</b>	<b>AFUE RATING %</b>	<b>FLUE DIA.</b>	<b>BLR./ SHP WGT. LBS.</b>
VX-50	HVX105003500103	\$3,155	50/10	46	40	95	2"	91/111
VX-75	HVX107503500103	\$3,250	75/15	69	60	95	2"	91/111
VX-100	HVX110003500103	\$3,350	100/20	91	79	95	2"	91/111
VX-150	HVX115003500103	\$4,525	150/30	139	121	95	3"	157/182
VX-200	HVX120003500103	\$4,725	200/40	185	161	95	3"	157/182
<b>(NATURAL GAS - LESS SYSTEM PUMP - HIGH ALTITUDE)</b>								
<b>BOILER MODEL</b>	<b>ITEM NUMBER</b>	<b>TRADE PRICE</b>	<b>INPUT (MBH) MAX/ MIN</b>	<b>HTG. CAP. (MBH)</b>	<b>AHRI NET (MBH)</b>	<b>AFUE RATING %</b>	<b>FLUE DIA.</b>	<b>BLR./ SHP WGT. LBS.</b>
VX-50	HVX105003502103	\$3,155	50/10	46	40	95	2"	91/111
VX-75	HVX107503502103	\$3,250	75/15	69	60	95	2"	91/111
VX-100	HVX110003502103	\$3,350	100/20	91	79	95	2"	91/111
VX-150	HVX115003502103	\$4,525	150/30	139	121	95	3"	157/182
VX-200	HVX120003502103	\$4,725	200/40	185	161	95	3"	157/182
<b>(NATURAL GAS - TACO PUMP)</b>								
<b>BOILER MODEL</b>	<b>ITEM NUMBER</b>	<b>TRADE PRICE</b>	<b>INPUT (MBH) MAX/ MIN</b>	<b>HTG. CAP. (MBH)</b>	<b>AHRI NET (MBH)</b>	<b>AFUE RATING %</b>	<b>FLUE DIA.</b>	<b>BLR./ SHP WGT. LBS.</b>
VX-50	HVX105003510103	\$3,289	50/10	46	40	95	2"	91/111
VX-75	HVX107503510103	\$3,384	75/15	69	60	95	2"	91/111
VX-100	HVX110003510103	\$3,484	100/20	91	79	95	2"	91/111
VX-150	HVX115003510103	\$4,659	150/30	139	121	95	3"	157/182
VX-200	HVX120003510103	\$4,859	200/40	185	161	95	3"	157/182

<b>VX SERIES CONTINUED</b>								
<b>(NATURAL GAS - TACO PUMP - HIGH ALTITUDE)</b>								
<b>BOILER MODEL</b>	<b>ITEM NUMBER</b>	<b>TRADE PRICE</b>	<b>INPUT (MBH) MAX/ MIN</b>	<b>HTG. CAP. (MBH)</b>	<b>AHRI NET (MBH)</b>	<b>AFUE RATING %</b>	<b>FLUE DIA.</b>	<b>BLR./ SHP WGT. LBS.</b>
VX-50	HVX105003512103	\$3,289	50/10	46	40	95	2"	91/111
VX-75	HVX107503512103	\$3,384	75/15	69	60	95	2"	91/111
VX-100	HVX110003512103	\$3,484	100/20	91	79	95	2"	91/111
VX-150	HVX115003512103	\$4,659	150/30	139	121	95	3"	157/182
VX-200	HVX120003512103	\$4,859	200/40	185	161	95	3"	157/182
<b>(NATURAL GAS - GRUNDFOS PUMP)</b>								
<b>BOILER MODEL</b>	<b>ITEM NUMBER</b>	<b>TRADE PRICE</b>	<b>INPUT (MBH) MAX/ MIN</b>	<b>HTG. CAP. (MBH)</b>	<b>AHRI NET (MBH)</b>	<b>AFUE RATING %</b>	<b>FLUE DIA.</b>	<b>BLR./ SHP WGT. LBS.</b>
VX-50	HVX105003520103	\$3,289	50/10	46	40	95	2"	91/111
VX-75	HVX107503520103	\$3,384	75/15	69	60	95	2"	91/111
VX-100	HVX110003520103	\$3,484	100/20	91	79	95	2"	91/111
VX-150	HVX115003520103	\$4,659	150/30	139	121	95	3"	157/182
VX-200	HVX120003522103	\$4,859	200/40	185	161	95	3"	157/182
<b>(NATURAL GAS - GRUNDFOS PUMP - HIGH ALTITUDE)</b>								
<b>BOILER MODEL</b>	<b>ITEM NUMBER</b>	<b>TRADE PRICE</b>	<b>INPUT (MBH) MAX/ MIN</b>	<b>HTG. CAP. (MBH)</b>	<b>AHRI NET (MBH)</b>	<b>AFUE RATING %</b>	<b>FLUE DIA.</b>	<b>BLR./ SHP WGT. LBS.</b>
VX-50	HVX105003522103	\$3,289	50/10	46	40	95	2"	91/111
VX-75	HVX107503522103	\$3,384	75/15	69	60	95	2"	91/111
VX-100	HVX110003522103	\$3,484	100/20	91	79	95	2"	91/111
VX-150	HVX115003522103	\$4,659	150/30	139	121	95	3"	157/182

<b>VX SERIES CONTINUED</b>		
<b>VX SERIES - VENTING OPTIONS/ADDITIONAL EQUIPMENT (USE PARTS MULTIPLIER)</b>	<b>PN</b>	<b>TRADE</b>
<b>050 NATURAL TO LP AND LP TO NATURAL GAS CONVERSION KIT</b>	<b>550002303</b>	<b>\$46</b>
<b>075 NATURAL TO LP AND LP TO NATURAL GAS CONVERSION KIT</b>	<b>550002304</b>	<b>\$46</b>
<b>100 NATURAL TO LP AND LP TO NATURAL GAS CONVERSION KIT</b>	<b>550002305</b>	<b>\$46</b>
<b>150 NATURAL TO LP AND LP TO NATURAL GAS CONVERSION KIT</b>	<b>550002306</b>	<b>\$46</b>
<b>200 NATURAL TO LP AND LP TO NATURAL GAS CONVERSION KIT</b>	<b>550002307</b>	<b>\$46</b>
<b>2" CONCENTRIC VENT KIT</b>	<b>29570</b>	<b>\$218</b>
<b>3" CONCENTRIC VENT KIT</b>	<b>29571</b>	<b>\$218</b>
<b>MULTIPLE BOILER SENSOR KIT</b>	<b>550002186</b>	<b>\$78</b>
<b>FLOOR STAND KIT</b>	<b>240010266</b>	<b>\$587</b>
<b>VX SERIES - STANDARD EQUIPMENT</b>		
<b><u>STANDARD EQUIPMENT:</u></b>		
<ul style="list-style-type: none"> <li>- Wall Mounted: Bracket included.</li> <li>- 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.</li> <li>- User Display interface: Easy programming with text display. Outdoor Temperature Sensor included.</li> <li>- Heat Exchanger: High grade 316L/444 Stainless Steel Fin Coil with Flame Sight Glass.</li> <li>- 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.</li> <li>- Electrical: Low Voltage Terminal Strip, High Voltage Junction Box and Transformer.</li> <li>- Other: 30 PSI Safety Relief Valve, Boiler Drain Valve and Condensate Drain with built in trap.</li> </ul>		

**VX 399**  
 NATURAL OR PROPANE  
 MODULATING CONDENSING  
 HOT WATER BOILER

150 psi  
 MAWP



The VX 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	
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)	
Min. Length	4" Pipe		
	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
<b>399</b>	1-1/4" FPT	1" FPT	3/4" MPT
<b>Electrical</b>	120 Volts AC, 60 hertz, 1 phase, Less than 25 amps (15 amp circuit recommended)		
<b>Water Content</b>	2.2 Gallons		

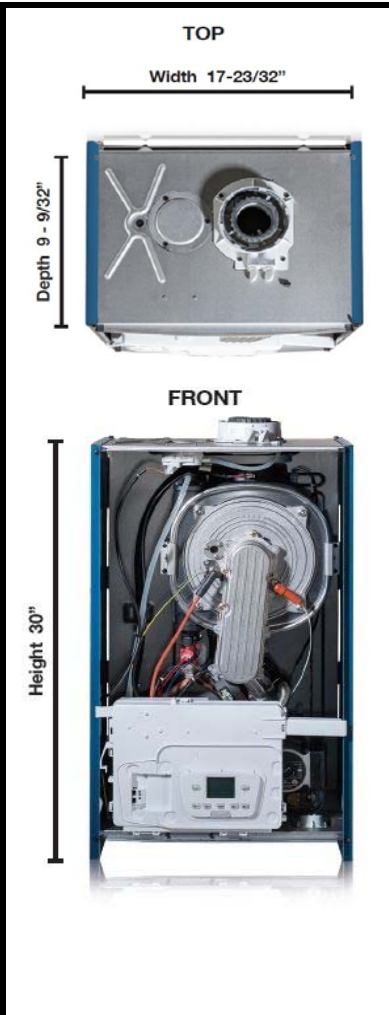
<b>VX SERIES CONTINUED</b>								
<b>(NATURAL AND LP GAS - LESS PRIMARY PUMP)</b>								
<b>BOILER MODEL</b>	<b>ITEM NUMBER</b>	<b>TRADE PRICE</b>	<b>INPUT (MBH) MAX/ MIN</b>	<b>HTG. CAP. (MBH)</b>	<b>AHRI NET (MBH)</b>	<b>THERMAL EFFIC. RATING %</b>	<b>FLUE DIA.</b>	<b>BLR./ SHP WGT. LBS.</b>
VX-399	HVX139903500103	\$10,607	399/80	379	329	96	4"	265/290
<b>(NATURAL AND LP GAS - WITH GRUNDFOS PRIMARY PUMP)</b>								
<b>BOILER MODEL</b>	<b>ITEM NUMBER</b>	<b>TRADE PRICE</b>	<b>INPUT (MBH) MAX/ MIN</b>	<b>HTG. CAP. (MBH)</b>	<b>AHRI NET (MBH)</b>	<b>THERMAL EFFIC. RATING %</b>	<b>FLUE DIA.</b>	<b>BLR./ SHP WGT. LBS.</b>
VX-399	HVX139903520103	\$10,909	399/80	379	329	96	4"	265/290
<b>VX 399 CONTINUED</b>								
<b>VX 399 - VENTING OPTIONS/ADDITIONAL EQUIPMENT (USE PARTS MULTIPLIER)</b>					<b>PN</b>	<b>TRADE</b>		
4" CONCENTRIC VENT KIT					240011223	\$590		
MULTIPLE BOILER SENSOR KIT					550002186	\$78		
MANUAL RESET HIGH LIMIT KIT L4006E1109					550003143			
<b>VX 399 - STANDARD EQUIPMENT</b>								
<b><u>STANDARD EQUIPMENT:</u></b>								
-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.								
*Dunkirk's interpretation of CSD-1 requirements. Consult local code authorities prior to installation.								

**DCB/DCC**

NATURAL OR PROPANE

MODULATING 7:1 ON COMBI 5.7:1 ON HEATING ONLY

SPACE HEATING ONLY BOILER & COMBI UNIT WITH DHW





ENERGY STAR **Most Efficient 2016**  
www.energystar.gov

All DCB 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.	<b>Top</b>	0" (0 cm)	8.66" (22 cm)
	<b>Left Side</b>	1.77" (4.5 cm)	1.77" (4.5 cm)
	<b>Right Side</b>	1.77" (4.5 cm)	1.77" (4.5 cm)
	<b>Front</b>	1.57" (4.0 cm)	17.70" (45 cm)
	<b>Back</b>	0" (0 cm)	0" (0 cm)
	<b>Bottom</b>	0" (0 cm)	9.84" (25 cm)
(2) Service, proper operation clearance recomm.	<b>Combustion Air/Vent Piping</b>	0" (0 cm)	N/A




<b>Note: Boiler requires special venting - Use only venting systems that have been approved. Refer to Page 14</b>	<b>Coaxial Venting</b>	2-pipe Polypropylene venting- Boiler Adapter Kit Required	2-pipe CPVP UL1738/ULC S636 Boiler Adapter Kit Required
-------------------------------------------------------------------------------------------------------------------	------------------------	-----------------------------------------------------------	---------------------------------------------------------

Dimensions			DCC & DCB		DCC & DCB		DCC & DCB	
			Feet (Ft)	Meters (m)	Feet (Ft)	Meters (m)	Feet (Ft)	Meters (m)
<b>Models</b>	DCC-150	DCB-125	32.8 Ft.	10 m	196.8 Ft. Combined	60 m	196.8 Ft. Combined	60 m
Width	17-23/32"	17-23/32"			Intake Air can not exceed 49.2 Ft	15 m	Intake Air can not exceed 49.2 Ft	15 m
Height	30"	30"	<b>Connections</b>		<b>Return/Supply Water</b>		<b>Gas In</b>	
			DCC-150 & DCB-125		3/4" SWT		3/4" FPT	
Depth	13-19/32"	13-19/32"	DCC-150 DHW		1/2" SWT			
Weight (lbs)	103	102	<b>Electrical</b> 120 Volts AC, 60 hertz, 1 phase, Less than 12 amps (15 amp circuit recommended)					
			<b>Water Content</b> 125/150 - 0.95 Gallons					

DCB/DCC SERIES 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								
DCB125	DCB112503600103	\$2,650	126	113	98	95.0	3.93"	3"
Combi Model								
DCC150	DCC115003600103	\$2,830	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								
DCB125	DCB112503610103	\$2,784	126	113	98	95.0	3.93"	3"
Combi Model								
DCC150	DCC115003610103	\$2,964	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								
DCB125	DCB112503620103	\$2,784	126	113	98	95.0	3.93"	3"
Combi Model								
DCC150	DCC115003620103	\$2,964	126	113	98	95.0	3.93"	3"
Central Heating Mode								
Domestic Hot Water Mode		153	136	N/A				
DCB/DCC - STANDARD EQUIPMENT								
<p><b><u>STANDARD EQUIPMENT:</u></b></p> <ul style="list-style-type: none"> <li>-Boiler Control Module: High Limit/Electronic Ignition Control.</li> <li>-User Display Interface: Digital Temperature Display with diagnostics and programmable settings.</li> <li>-Heat Exchanger: Stainless Steel</li> <li>-3-Way Water Diverting Valve</li> <li>-Domestic Hot Water (DHW) Brazed Plate: Stainless Steel with 3.5 GPM @ 70° F</li> <li>Combustion: Automatically modulating gas valve with 5.7:1 Turndown for CH &amp; 7:1 for DHW, Stainless Steel Burner, Direct Spark Ignition, Separate Flame Sensor, 100% shutoff.</li> <li>-Other: Assembled Boiler with Jacket, Induced Draft Fan, Circulator Pump, 30psi Relief Valve, Low Water Pressure Switch, Air Pressure Switch, Temperature/Pressure Gauge.</li> </ul> <p>DCC-150 DHW Model: Stainless Steel Brazed Plate Heat Exchanger.</p>								

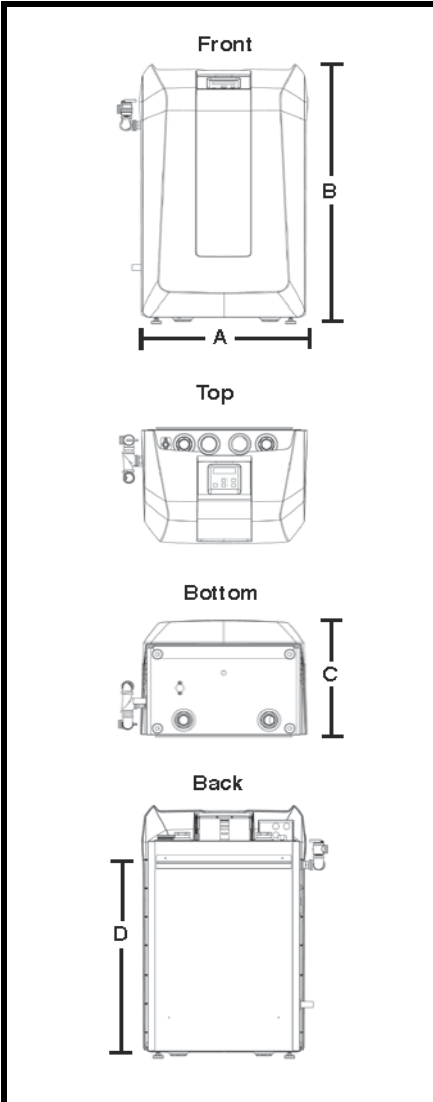
\* These boilers require Dunkirk vent accessories on Page 17.



<b>(USE PARTS MULTIPLIER FOR ALL OF THE FOLLOWING)</b>			
<b>DCB/DCC VENTING MATERIALS</b>			
<b>COAXIAL VENTING</b>			
<b>VENTING COAXIAL</b>	<b>DESCRIPTION</b>	<b>ITEM</b>	<b>TRADE PRICE</b>
	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
<b>TWIN PIPE POLYPROPYLENE VENTING</b>			
<b>POLYPROPYLENE VENTING</b>	<b>DESCRIPTION</b>	<b>ITEM</b>	<b>TRADE PRICE</b>
	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
<b>TWIN PIPE CPVC UL1738 / S636 VENTING ADAPTERS</b>			
	<b>DESCRIPTION</b>	<b>ITEM</b>	<b>TRADE PRICE</b>
	Boiler Appliance Twin Pipe Adapters For 3" CPVC UL1738 / S636	550003184	\$53
<b>OPTIONAL ITEMS</b>			
		<b>PN</b>	<b>TRADE</b>
<b>OUTSIDE AIR SENSOR</b>		BD710487302V	\$32
<b>DHW SENSOR KIT</b>		KHG714076810	\$57
<b>FLOOR STAND KIT</b>		240010266	\$587

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

150 psi  
 MAWP



ENERGY STAR [www.energystar.gov](http://www.energystar.gov)

Most Efficient  
**2016**

Floor Mount Capable

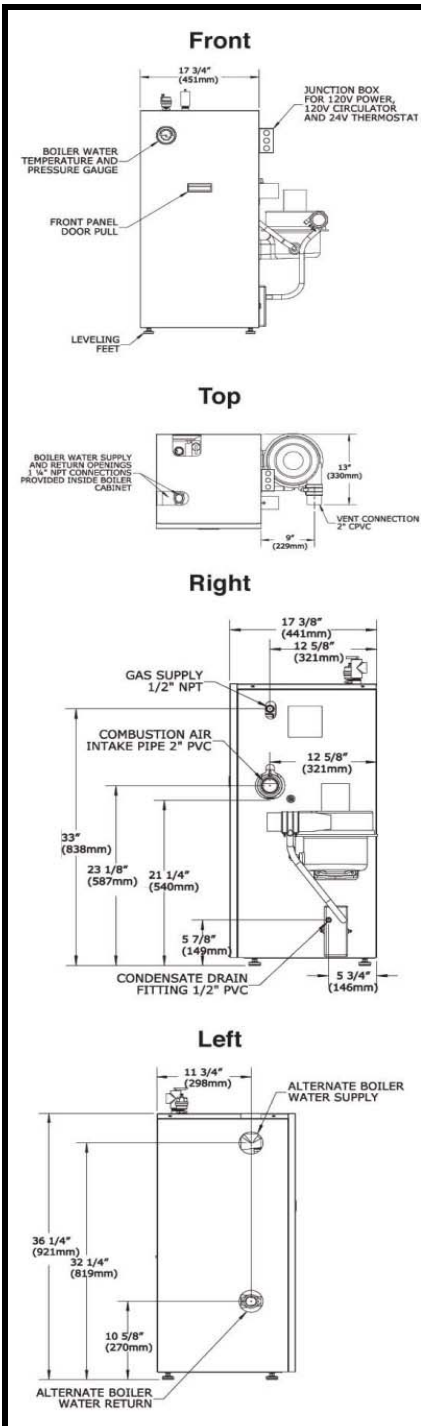
Dimensions	
<b>Models</b>	075/100
Width "A"	22-1/16" (560 mm)
Height "B"	35-5/8" (905 mm)
Depth "C"	16-3/16" (411 mm)
Bracket "D"	27-1/2" (969 mm)

General Information (See IOM for complete instructions)			
Clearances	Combustible Materials (Required) (1)	Service (2)	
1) Required distances measured from boiler.	<b>Top</b>	0" (0 cm)	14" (36 cm)
	<b>Left Side</b>	6" (16 cm)	6" (16 cm)
	<b>Right Side</b>	0" (0 cm)	1-1/2" (4 cm)
	<b>Front</b>	0" (0 cm)	6" (16 cm)
	<b>Back</b>	0" (0 cm)	0" (0 cm)
	<b>Bottom</b>	0" (0 cm)	12" (32 cm) for Bottom Piped
(2) Service, proper operation clearance recommended.	<b>Combustion Air/Vent Piping</b>	0" (0 cm)	6" (16 cm)
	<b>Combustion Air &amp; Vent Pipe Equiv. Length</b>	(Schedule 40 PVC)	
Min. Length	<b>2" Pipe</b>	<b>3" Pipe</b>	
	<b>075/100</b>	<b>075/100</b>	
Max. Length	6 Ft.	6 Ft.	
	(1.8 m)	(1.8 m)	
Max. Length	50 Ft.	100 Ft.	
	(15.2 m)	(30.5 m)	
<b>Note: Refer to IOM and vent pipe manufacturer's instructions for equivalent vent lengths and alternate venting materials.</b>			
<b>Connections</b>	<b>Return/Supply Water</b>	<b>Gas In</b>	<b>Cond. Drain</b>
<b>075/100</b>	1-1/4" NPT	1/2" NPT	3/4" MPT
<b>Electrical</b>	120 Volts AC, 60 hertz, 1 phase, Less than 12 amps (15 amp circuit recommended)		
<b>Water Content</b>	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	ECR97A075N000DK	\$3,900	75	15	60	95	2" or 3"	140
ECR97-100	ECR97A100N000DK	\$4,080	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	ECR97A075N100DK	\$4,034	75	15	60	95	2" or 3"	140
ECR97-100	ECR97A100N100DK	\$4,224	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	ECR97A075N300DK	\$4,034	75	15	60	95	2" or 3"	140
ECR97-100	ECR97A100N300DK	\$4,224	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 AND LP TO NAT.)					550002171	\$49		
ECR97 100 GAS CONVERSION KIT (NAT. TO LP AND 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								
<b>STANDARD EQUIPMENT:</b>								
<ul style="list-style-type: none"> <li>- Mounting Floor/Wall: Leveling Legs and Wall Bracket both included.</li> <li>- Boiler Control Module: Automatic Low Voltage/Intermittent Power Reset. Controls up to 16 boilers for multiple boiler applications.</li> <li>- User Display interface: Easy programming with text display. Remote mount option utilizes standard thermostat conductor wiring.</li> <li>- Heat Exchanger: High grade 316L/444 Stainless Steel Fin Coil with Flame Sight Glass. Built-in Primary/Secondary Manifold Piping and Pump.</li> <li>- Combustion: Gas Valve with Premix Venturi and Blower, Durable Stainless Steel Mesh Burner, Direct Spark Igniter, Flame Sensor and LP Conversion Kit included.</li> <li>- Electrical: Detachable Low Voltage Terminal Strip, High Voltage Junction Box, Transformer, Lighted Power Switch and Auxiliary Service Power Outlet.</li> <li>- 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.</li> </ul>								

**Q90-100 SERIES IV**  
 NATURAL OR PROPANE  
 CONDENSING HOT WATER BOILER

50 psi  
 MAWP



General Information (See IOM for complete instructions)					
Clearances	Combustible Materials (Required) (1)		Service (2)		
	Top	1" (26 mm)	8" (204 mm)		
1) Required distances measured from boiler.	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	2" Pipe	3" Pipe	3" Pipe	
		050	100	050	100
	Min. Length	075	2 Ft.	20 Ft.	15 Ft.
		26 Ft.	(.61 m)	(6.09 m)	(4.57 m)
Max. Length	21 Ft.	112 Ft.	92 Ft.		
	(7.92 m)	(6.40 m)	(34.14 m)	(28.04 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					

Q90-100 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.
Q90-50	Q90205003200403	\$3,149	50	45	39	90	2" or 3"	256
Q90-75	Q90207503200403	\$3,149	75	68	59	90	2" or 3"	256
Q90-100	Q90210003200403	\$3,149	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.
Q90-50	Q90205003210403	\$3,214	50	45	39	90	2" or 3"	256
Q90-75	Q90207503210403	\$3,214	75	68	59	90	2" or 3"	256
Q90-100	Q90210003210403	\$3,214	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.
Q90-50	Q90205003220403	\$3,214	50	45	39	90	2" or 3"	256
Q90-75	Q90207503220403	\$3,214	75	68	59	90	2" or 3"	256
Q90-100	Q90210003220403	\$3,214	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.
Q90-50	Q90205013200403	\$3,149	50	45	39	90	2" or 3"	256
Q90-75	Q90207513200403	\$3,149	75	68	59	90	2" or 3"	256
Q90-100	Q90210013200403	\$3,149	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.
Q90-50	Q90205013210403	\$3,214	50	45	39	90	2" or 3"	256
Q90-75	Q90207513210403	\$3,214	75	68	59	90	2" or 3"	256
Q90-100	Q90210013210403	\$3,214	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.
Q90-50	Q90205013220403	\$3,214	50	45	39	90	2" or 3"	256
Q90-75	Q90207513220403	\$3,214	75	68	59	90	2" or 3"	256
Q90-100	Q90210013220403	\$3,214	100	90	78	90	2" or 3"	256

<b>Q90-100 SERIES IV CONTINUED</b>		
<b>(USE PARTS MULTIPLIER FOR ALL OF THE FOLLOWING)</b>	<b>PN</b>	<b>TRADE</b>
CONCENTRIC VENT KIT 3"	29571	\$218
CONCENTRIC VENT KIT 2"	29570	\$218
<b>ARGO AMB MULTIPLE BOILER CONTROL (INCLUDES OUTDOOR RESET, PRIORITY OVERRIDE, LEAD BOILER RUN TIME ROTATION):</b>		
AMB4A TO ALLOW STAGE FIRING OF UP TO 4 BOILERS	AMB4AD	\$1,000
AMB8A TO ALLOW STAGE FIRING OF UP TO 8 BOILERS	AMB8AD	\$1,450
CONVERSION KIT NAT. TO LP Q90-50 (Series IV) 0' - 10,000'	550002631	\$75
CONVERSION KIT NAT. TO LP Q90-75 (Series IV) 5,000' - 10,000'	550002629	\$75
CONVERSION KIT NAT. TO LP Q90-75 (Series IV) 0' - 5,000'	550002630	\$75
CONVERSION KIT NAT. TO LP Q90-100 (Series IV) 0' - 10,000'	550002700	\$75
CONVERSION KIT LP TO NAT. Q90-50 (Series IV) 0' - 10,000'	550002635	\$75
CONVERSION KIT LP TO NAT. Q90-75 (Series IV) 0' - 10,000'	550002634	\$75
CONVERSION KIT LP TO NAT. Q90-100 (Series IV) 0' - 10,000'	550002701	\$75
2" CPVC 45° ELBOW (Q90-100 Series)	14631702	\$37
2" CPVC 90° ELBOW (Q90-100 Series)	240009663	\$26
2" CPVC TEE, SCHEDULE 80 (Q90-100 Series)	240006819	\$36
2" CPVC COUPLING (Q90-100 Series)	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
<b>Q90-100 SERIES IV - STANDARD EQUIPMENT</b>		
<b><u>STANDARD EQUIPMENT:</u></b>		
<ul style="list-style-type: none"> <li>- Boiler Control Module: HSI Integrated Boiler Control</li> <li>- Combination Hydrolevel High Limit with LWCO with boiler water temperature reset feature</li> <li>- Heat Exchanger: Cast Aluminum Heat Exchanger</li> <li>- Combustion: Stainless Steel Premix Burner</li> <li>- Induced Draft Blower with adjustable exhaust (front, right side or rear), includes 5' schedule 80 2" CPVC and CPVC Tee</li> <li>- Electrical: Junction Box, Transformer and Wiring Harness</li> <li>- Textured painted steel jacket</li> <li>- Other: Temperature/Pressure Gauge, 30 PSI Safety Relief Valve, Pressure Switch(es), Low Profile Condensate Trap and Air Vent</li> </ul>		