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EAST TEXAS 800-442-6135

ASHCRAFT COMPANY, INC

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TELEPHONE
FORT WORTH 817-926-4623
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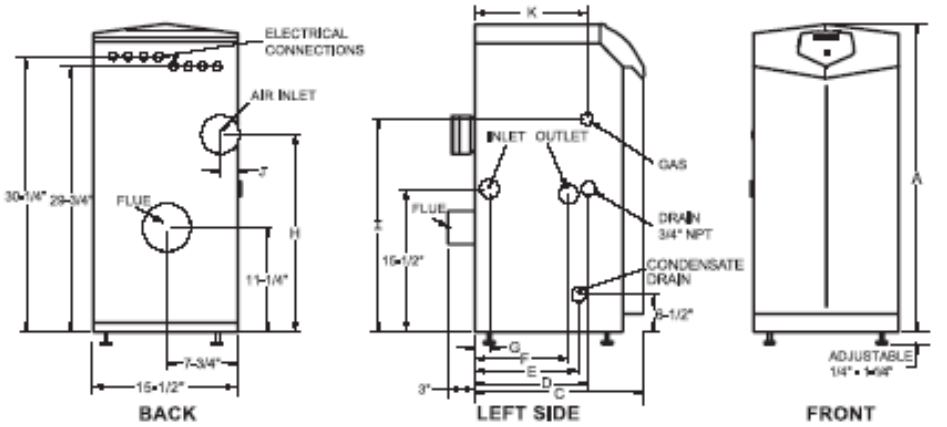
Lochinvar KNIGHT Boiler — *KBN Model*

Standard Features

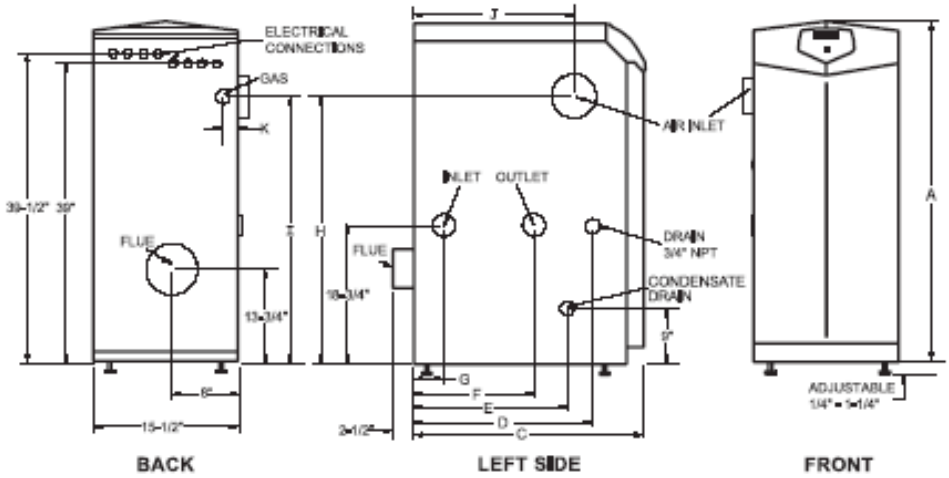
- •93% AFUE Efficiency (KB 080-285)
- •90.3% Thermal Efficiency (KB 399-500)
- •Modulating Burner with 5:1 Turndown
- •ENERGY STAR® Qualified
- •ASME Stainless Steel Heat Exchanger
- •Direct Vent Sealed Combustion
- •PVC Venting up to 100 Feet
- **•Digital Operating Control**
- **•2-Line, 16-Character LCD Display**
- •30 psi Relief Valve (KB 080-285)
- •50 psi Relief Valve (KB 399-500)
- •Automatic Reset High Limit
- **•Password Security**
- •Direct Spark Ignition
- •Low NOx Operation
- •Low Gas Pressure Operation
- •Zero Clearance to Combustibles
- •Easy Access Terminal Strip
- •Natural to LP Gas Conversion Kit
- •Inlet & Outlet Temperature Sensors
- **•Product Service Indicator**
- **•Outdoor Reset**
- •Pump Relay w/ Freeze Protection
- •Low Water Flow Indication
- **•Domestic Hot Water Prioritization w/Pump Control**
- **•Boiler Circulating Pump w/ Control (KB 080-285)**
- •Adjustable Leveling Legs
- •Sidewall Vent Terminals
- •On/Off Switch
- **•0—10 Vdc Input Control**
- **•Contacts on Any Failure**
- •12 Year Limited Warranty (See Warranty for Details)

Knight Boiler Performance Data

Models: 80-210



Models: 285-500



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Model Number	Ratings INPUT	Btu/hr OUTPUT	Net I=B=R	A	C	D	E	F	G	H	I	J	K	Water Conn.	Gas Conn.	Air Inlet	Vent Size	Shipping Weight
KBN080	16,000-80,000	73,000	63	33-1/4"	14"	7"	5-3/4"	5"	3"	20-1/2"	22"	1-3/4"	6-1/2"	1"	1/2"	3"	3"	55
KBN105	21,000-105,000	95,000	83	33-1/4"	14"	6-1/2"	5-3/4"	4-1/2"	1-1/2"	20-1/2"	22"	1-3/4"	6-1/2"	1"	1/2"	3"	3"	72
KBN150	30,000-150,000	136,000	118	33-1/4"	18"	12-1/4"	11-1/2"	10"	1-1/2"	21-1/4"	23"	1-3/4"	12"	1"	1/2"	3"	3"	120
KBN210	42,000-210,000	191,000	166	33-1/4"	22-1/4"	16-1/2"	15-3/4"	14-1/4"	5"	21-1/4"	23"	1-3/4"	16-1/4"	1"	1/2"	3"	3"	165
KBN285	57,000-285,000	259,000	225	42-1/2"	19-3/4"	12-3/4"	13-1/2"	6"	2"	34"	31"	11-3/4"	4"	1-1/4"	3/4"	4-1/4"	4"	220
KBN399	79,800-399,000	360,000	313	42-1/2"	27"	21"	20-3/4"	14"	3-1/2"	34"	34"	18-3/4"	2"	1-1/2"	1"	4"	4"	260
KBN500	100,000-500,000	451,000	392	42-1/2"	31-1/4"	21"	25"	14"	3-1/2"	35"	35"	22"	5-3/4"	1-1/2"	1"	4"	4"	275