EUTECTIC CAST IRON BOILERS
COMMERCIAL AND INSTITUTIONAL

GT 430 A

Innovative Design
For Better Fuel Efficiency

88%+ Efficiency on oil
Near Condensing Eutectic Cast Iron - Water Temperature Supply @ 105°F
Operates under large Temperature Differentials - Up to 81°F without Thermal Shock
Low NOx Compatibility
Maximum Working Pressure 90 p.s.i.

www.dedietrichboilers.com
GT 430 A
High Performance Low-Temperature Return Eutectic Cast Iron Boilers

Low Return Water Capability Maximizes Energy Savings

The GT 430 A Series is a eutectic cast iron 3-pass, high efficiency, large net output, low operating temperature, designed boiler. These boilers are specifically designed for oil / gas / propane firing.

The GT 430 A is equipped with a simplified control panel with built-in on/off limit, high limit, manual reset limit and temperature gauge.

The GT 430 A is a Three Pass Design with a generous combustion chamber and horizontal flue passes with fins. The heat transfer is enhanced by the fins and cast iron baffles. This body design assures:

- Efficiency up to 88%
- Low pressure drops
- Low noise level
- High thermal efficiency and heat transfer

Low Water Outlet Temperature down to 105°F with indoor/outdoor reset achieves significant energy savings by reducing stand-by fuel consumption. In addition, it's not necessary to maintain boiler temperature between the two heating cycles, which further reduces fuel consumption and achieves excellent overall efficiency. Studies show substantial savings over retrofit boilers and new competitive models.

Easy Cleaning with Hinged Door for burner and flue access. Doors can be hinged right or left based on your access needs. Boiler is easily cleaned and vacuumed, resulting in lower maintenance costs.

Eutectic Cast Iron boiler body provides exceptional resistance to temperature variations and thermal stress. De Dietrich’s eutectic cast iron is 30% more flexible than any competitive cast iron allowing safe low temperature operation.

De Dietrich “eutectic” cast iron delivers 30% more flexibility, providing the industry’s best thermal shock resistance.

Flexible eutectic cast allows 105°F supply water capability. This low temperature operation yields significant fuel savings.

Four Inch Insulation featuring reinforced fiberglass wool. De Dietrich Boilers feature double insulation of the boiler front which minimizes heat loss and allows reduced stand-by consumption and improved thermal efficiency.

Control Panel. The standard control panel supplied is designed for heating only. The panel is equipped with a boiler thermometer, on/off limit, high limit and manual reset limit. The large size permits it to be integrated easily with third party energy management systems.

Standard Equipment

- Eutectic Cast Iron Nipples
- Built-in High Limit with Manual Reset
- Thermocord Combustion Sealed
- On/Off Limit
- Temperature Indicator
- ASME Relief Valve
- Low Water Cut-Off
- Low NOx Burners (optional)
- Factory Assembly (optional)

Consult your local De Dietrich representative for a list of available burners.

THINK BOILERS... THINK
GT 430 A
High Performance Low-Temperature Return Eutectic Cast Iron Boilers

- Eutectic cast iron boiler body, thermal shock and corrosion resistant, allowing low modulated temperature operation and complete stop between heating periods
- Large wiring duct leading to the control panel
- Flue nozzle with two cleaning traps directly accessible without dismantling the casing
- Large flue-ways with fins and turbulators offering high efficiency and easy maintenance
- Boiler body with three-pass flueways
- Large size combustion chamber
- Complete insulated boiler body with four inch thick fiberglass wool
- Design of the front section is adapted for the use of low NOx burners

De Dietrich®
As the Boiler Should Be!!!
Setting the Benchmark for Low-Temperature Near-Condensing Eutectic Cast Iron Boilers

MEA 304-06-M (City of New York)
Notes:
- Approved for direct-vent applications - use only approved venting components as listed
- Natural draft applications, approved for Type L vent [Gas-Oil] or Type B Vent [Gas only]
- All model comply with latest Canadian & USA standards
- Outputs are rounded off. 85.2% efficiency is the published efficiency (oil is +3%)

Represented By:

**DDR Americas Inc.**

**Toll Free:** (800) 943-6275

www.dedietrichboilers.com

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**Table**

<table>
<thead>
<tr>
<th>Item</th>
<th>Unit</th>
<th>GT 430-8A</th>
<th>GT 430-9A</th>
<th>GT 430-10A</th>
<th>GT 430-11A</th>
<th>GT 430-12A</th>
<th>GT 430-13A</th>
<th>GT 430-14A</th>
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<tbody>
<tr>
<td>CSA - Gas Input</td>
<td>MBH</td>
<td>1,730</td>
<td>1,947</td>
<td>2,278</td>
<td>2,567</td>
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<td></td>
<td>Kw</td>
<td>507.2</td>
<td>570.5</td>
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<td>CSA - #2 Fuel Oil Input</td>
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<td>CSA - Output [Gas-Oil]</td>
<td>MBH</td>
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<td>Water Resistance Delta T=°(F)</td>
<td>18 (°F)</td>
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<td>1.360</td>
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<td>27 (°F)</td>
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**Due to ongoing and continuous product improvements, DDR Americas Inc. reserves all rights to amend and delete information provided on this product specification table.**

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