



**Submittal Sheet**  
**Model GT 530AE-Series**  
**Cast Iron Boiler**



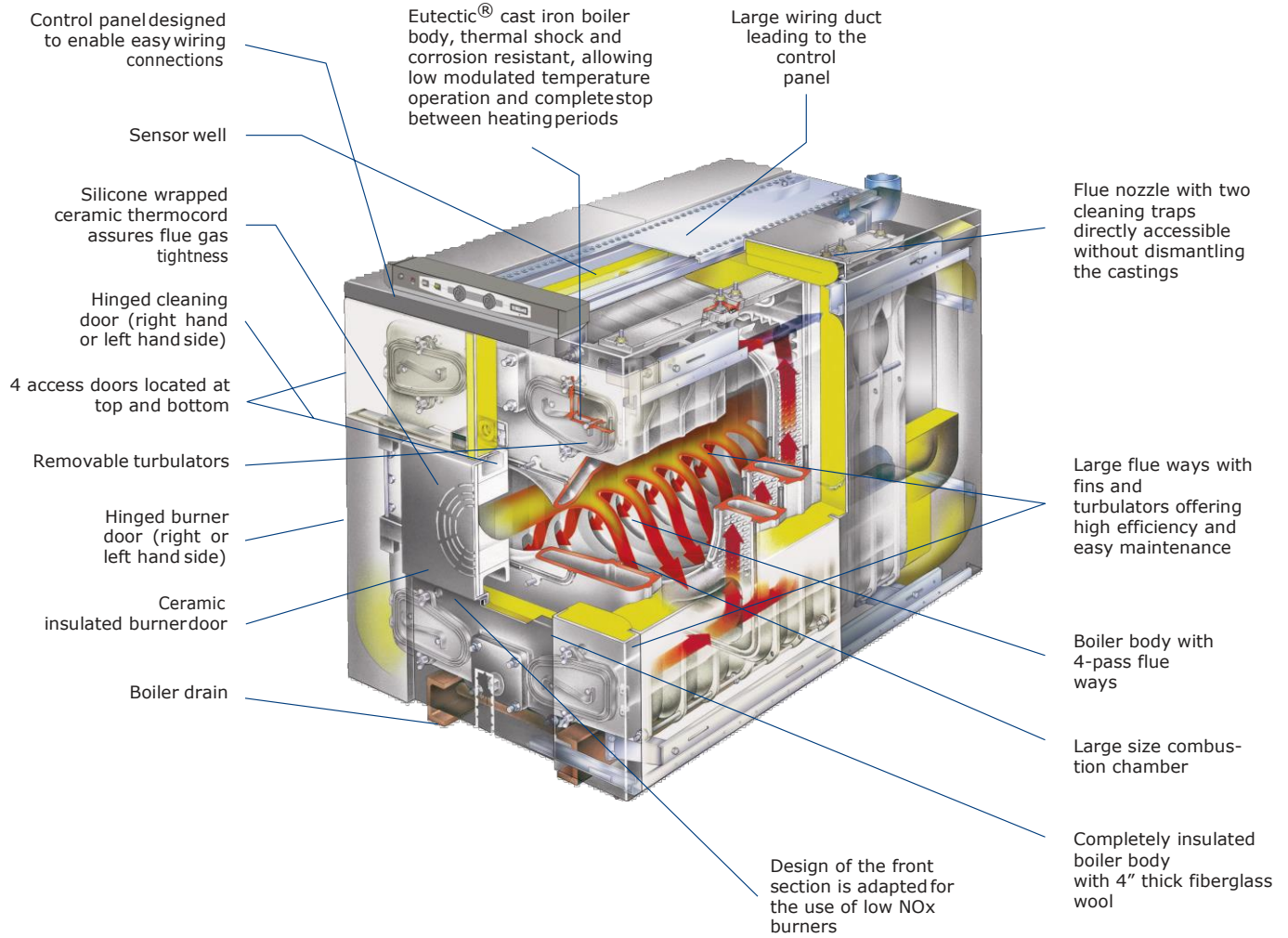
Project Name	
Project location	
Contractor	
Engineering Firm	
Boiler Representative	
Sales Rep. Phone	
Date Created	

Boiler Model		Burner Model	
Assembled		Burner Included	
Relief Valve		Fuel Type	
Boiler Options		Burner Options	
Code			

**Revision**

1		Date:	4		Date:
2		Date:	5		Date:
3		Date:	6		Date:

# General Information

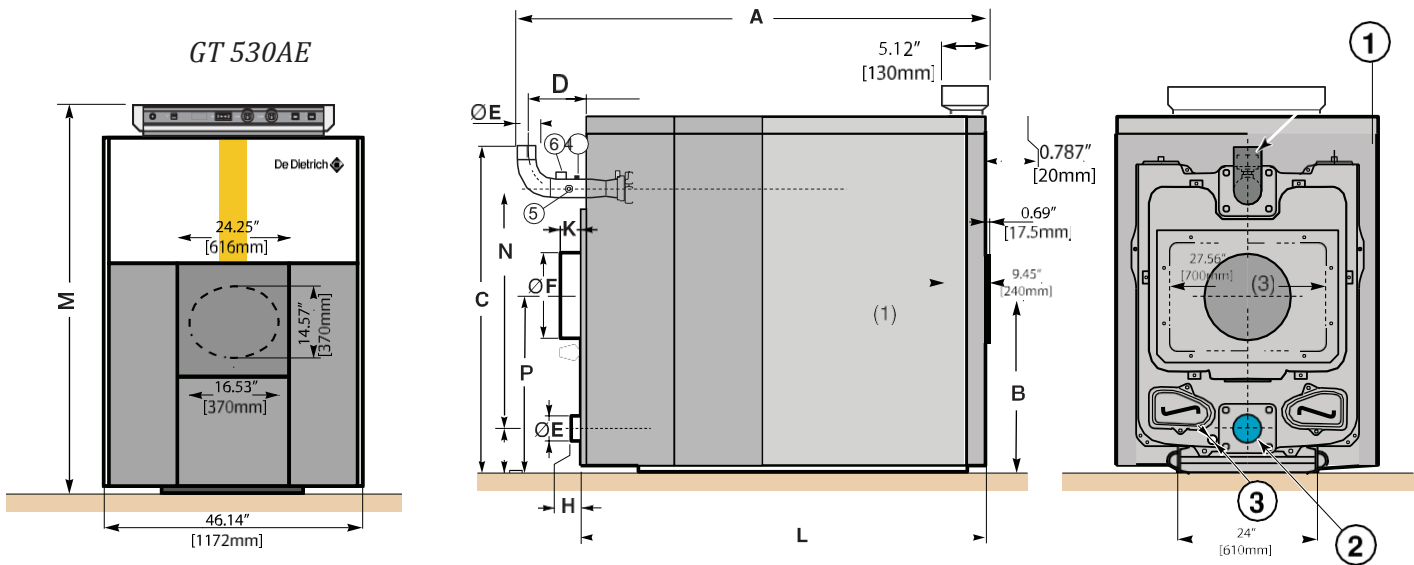


# Technical Specifications

Item		Unit	Boiler Model GT 530AE Series							
			-26	-27	-28	-29	-30	-31	-32	
Firing Sequence		Consult Burner Technical Data								
Gas Input (CSA)		MBH	6,483	6,652	6,825	7,166	7,505	7,849	8,190	
		kW	1,900	1,950	2,000	2,100	2,200	2,300	2,400	
# 2 Fuel Oil Input (CSA)		US GPH	43.8	45.8	47.7	49.7	51.6	53.6	55.5	
Output [Gas-Oil] (CSA)		MBH	5,524	5,668	5,815	6,105	6,394	6,687	6,978	
		kW	1,618.8	1,661.1	1,704.2	1,789.4	1,874.1	1,959.9	2,045.1	
Cast Iron Sections		#	26	27	28	29	30	31	32	
Flue-way baffles		#	10	10	10	10	10	10	10	
Water capacity		US Gal	299.40	309.50	319.60	329.70	339.80	349.90	360.00	
		Liter	1,133	1,171	1,209	1,248	1,286	1,324	1,362	
Water resistance Delta T = °F		18°F	Ft.H2O	3.48	3.67	3.86	4.26	4.67	5.1	5.56
		27°F	Ft.H2O	1.55	1.63	1.72	1.9	2.07	2.27	2.5
		36°F	Ft.H2O	0.87	0.92	0.97	1.06	1.17	1.28	1.39
Combustion chamber Dimensions		Diameter (equivalent)	Inch	27.32						
			mm	694						
		Depth	Inch	113.97	118.34	122.71	127.08	131.45	135.82	140.19
			mm	2,895	3,006	3,117	3,228	3,339	3,450	3,561
		Volume	Ft <sup>3</sup>	38.66	40.25	41.84	43.43	45.02	46.61	48.20
			m <sup>3</sup>	1.095	1.14	1.19	1.23	1.28	1.32	1.37
ASME MAWP (Water)		PSIG	90 PSI-CRN Design registered for each Canadian Province							
Min. Safety Relief Capacity		MBH	6,076	6,234	6,396	6,716	7,034	7,356	7,676	
S3NA	Electrical connection	V/P/H	120/60/1 < 15 amp fused							
	Max. Water Temp. Safety Limit [MR]	°F/ °C	Fixed nonadjustable 248°F [120°C]							
	Operating Water Tem- perature Range	°F/ °C	Adjustable 104-212°F [40-100°C] factory preset stop at 185°F [85°C]							
Chamber resistance		Inch w.C	1.51	1.60	1.75	1.85	1.90	2.10	2.30	
		mbar	3.8	4.0	4.4	4.6	4.7	5.2	5.7	
Gas-Vent Category		#	Cat I,II,III & IV- Direct vent (Sealed Combustion)							
Boiler vent Connection		Inch	20	20	20	20	20	20	20	
Weight (Dry)		lb	12,111	12,501	13,891	13,281	13,671	14,061	14,451	
		kg	5,494	5,670	5,847	6,024	6,201	6,378	6,555	

This drawing and the information depicted herein is the property of DDR Americas Inc. Copies are issued in strict confidentiality and shall not be reproduced or copied or used as the basis for the manufacture or sale of products without prior written permission from DDR Americas Inc.

# Technical Specification



- (1) Boiler Supply 5" ANSI 150# welded neck flange
- (2) Boiler return, 5" ANSI 150# welded neck flange
- (3) Drain, 3/4" NPT
- (4) 1/2" NPT port for temperature and pressure gauge
- (5) 3/4" NPT port for low water cut-off control (LWCO)
- (6) 2# NPT tapping for safety Relief valve.

Note: additional tappings may be required if redundant controls are required

Item		Boiler Model GT 530AE							
		-26	-27	-28	-29	-30	-31	-32	
<b>A</b>	Inch	154.37	158.74	163.11	167.48	171.85	176.22	196.65	
	mm	3,921	4,032	4,143	4,254	4,365	4,476	4,995	
<b>B</b>	Inch	37.14	37.14	37.14	37.14	37.14	37.14	37.14	
	mm	943.35	943.35	943.35	943.35	943.35	943.35	943.35	
<b>C</b>	Inch	62.2	62.2	62.2	62.2	62.2	62.2	62.2	
	mm	1,579	1,579	1,579	1,579	1,579	1,579	1,579	
<b>D</b>	Inch	18.74	15.23	15.27	16.10	13.77	12.63	13.46	
	mm	476	387	388	409	320	321	342	
<b>ØE**</b>	Inch	5.5	5.5	5.5	5.5	5.5	5.5	5.5	
	mm	139.7	139.7	139.7	139.7	139.7	139.7	139.7	
<b>ØF*</b>	Inch	20	20	20	20	20	20	20	
	mm	500	500	500	500	500	500	500	
<b>H</b>	Inch	1.02	-2.48	-2.44	-1.61	-5.11	-5.07	-4.25	
	mm	26	-63	-62	-41	-130	-129	-108	
<b>K</b>	Inch	1.81	1.69	-1.65	-0.82	4.33	4.29	-3.46	
	mm	46	-43	-42	-21	-110	-109	-88	
<b>L</b>	Inch	138.8	142.3	146.6	150.2	154.5	158.0	162.4	
	mm	3,445	3,645	3,755	3,845	4,045	4,155	4,170	
<b>M</b>	Inch	68.75	68.75	68.75	68.75	68.75	68.75	68.75	
	mm	1,746	1,746	1,746	1,746	1,746	1,746	1,746	
<b>N</b>	Inch	45.52	45.52	45.52	45.52	45.52	45.52	45.52	
	mm	1156	1156	1156	1156	1156	1156	1156	
<b>R</b>	Inch	10.87	10.87	10.87	10.87	10.87	10.87	10.87	
	mm	276	276	276	276	276	276	276	
<b>P</b>	Inch	35.09	35.09	35.09	35.09	35.09	35.09	35.09	
	mm	891.28	891.28	891.28	891.28	891.28	891.28	891.28	

ØF\*- Nominal length. Consult vent supplier for correct sizing.

ØE\*\*- 5.5 inches OD, 5" ANSI inside diameter.

# Installation Specification

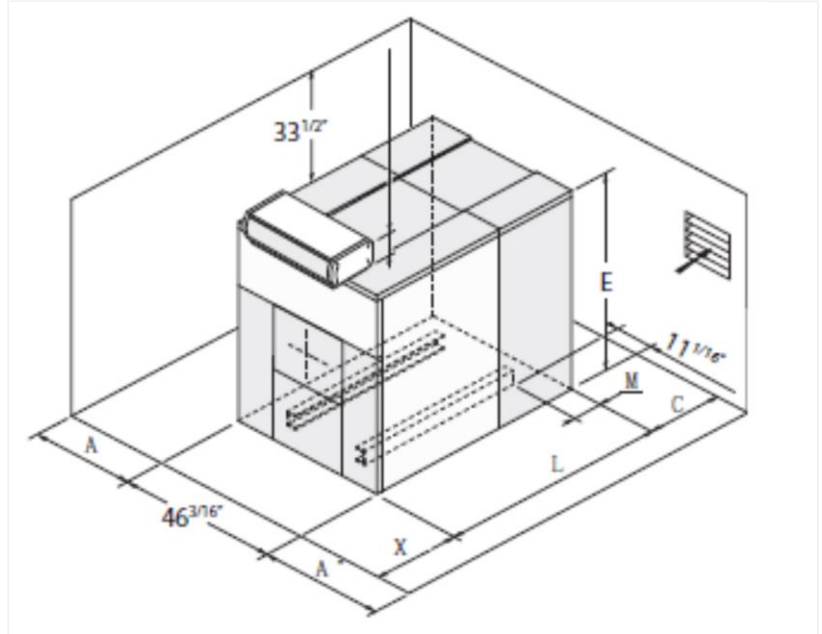
## Clearances

The GT 530A/AE boiler has a sturdy underframe; it does not need any special base although a house Keeping pad is recommended to keep steel parts out of casual water. Its combustion chamber is closed, so it is not necessary to place it on a fireproof floor, but the floor must be able to bear the weight of the boiler subject to state and local code NFPA 31 and state Fire Marshall.

The minimum dimensions shown on the following drawing are provided as recommendations and guidelines for service access.

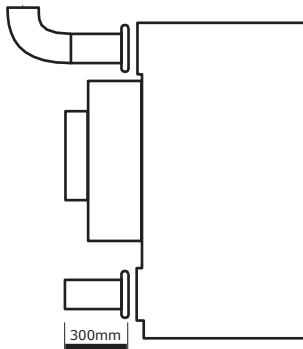
## CAUTION

Do not install boiler on combustible flooring or carpet. Clearances shown are to combustible materials and servicing.



**If A= 47<sup>1</sup>/<sub>4</sub>"** (side burner side door open),  
**A'=47<sup>1</sup>/<sub>4</sub>"** (side burner door open): dimensions to be adopted according to the space required for the burner when the door is open.

**Dimensions "X"** = burner length plus 24 inches for service



Ref.		GT 530AE						
		-26	-27	-28	-29	-30	-31	32
<b>C min</b>	In	60	57.4	56.5	57.4	53.8	55.4	54.7
	mm	1,524	1,457.9	1,435.1	1458	1,366.5	1407.1	1389.3
<b>E</b>	In	64.68	64.68	64.68	64.68	64.68	64.68	64.68
	mm	1642.9	1642.9	1642.9	1642.9	1642.9	1642.9	1642.9
<b>L</b>	In	135.62	143.50	146.6	151.37	159.25	163.58	164.17
	mm	3445	3645	3755	3845	4045	4155	4170
<b>M</b>	In	11.57	15.1	15.03	14.21	17.71	17.67	16.85
	mm	294	383	382	361	450	449	428

This drawing and the information depicted herein is the property of DDR Americas Inc. Copies are issued in strict confidentiality and shall not be reproduced or copied or used as the basis for the manufacture or sale of products without prior written permission from DDR Americas Inc.