



## GT 530 AE Plus (Ener-O-Mizer) Series Specification Table

ITEM		UNIT	MODELS						
			GT530-26AE Plus (ENM-4)	GT530-27AE Plus	GT530-28AE Plus	GT530-29AE Plus	GT530-30AE Plus	GT530-31AE Plus	GT530-32AE Plus
Firing Sequence			fully modulating Gas & Oil and Dual Fuel Burner Options - Consult Factory						
[CSA] - Gas Input	MBH		6,483	6,652	6,825	7,166	7,505	7,849	8,190
	mW		1,900	1,950	2,000	2,100	2,200	2,300	2,400
[CSA] - # 2 Fuel Oil Input	US GPH		43.8	45.8	47.7	49.7	51.6	53.6	55.5
[CSA] - Output [Gas-Oil]	Gas MBH		6,256	6,419	6,586	6,915	7,242	7,574	7,903
	Oil MBH		5,764	6,027	6,277	6,541	6,791	7,054	7,304
	Gas kW		1,834	1,881	1,930	2,027	2,123	2,220	2,316
Boiler Cast Iron Sections	#		26	27	28	29	30	31	32
Boiler Flue-way baffles	#		10	10	10	10	10	10	10
Ener-O-Mizer	Model		EMN-7	EMN-7	EMN-7	EMN-7	EMN-8	EMN-8	EMN-8
Combined Water Capacity	US Gal		342	353	363	373	389	399	409
	Liter		1,296	1,334	1,372	1,410	1,471	1,509	1,548
Combined Water Resistance [ΔT = °F]	20° F	Ft. H <sub>2</sub> O	23.88	25.08	26.41	29.09	27.51	30.04	32.68
	30° F		10.57	11.03	11.32	12.95	12.17	13.34	14.57
	40° F		5.96	6.27	6.62	7.27	6.88	7.54	8.17
Combined Water Flow Rate	@ 20° F	GPM	635	650	667	700	734	767	800
	@ 30° F		422	433	445	467	489	511	534
	@ 40° F		317	325	334	350	367	384	400
ASME MAWP [Water]	PSI		90 psi Boiler - GT plus Ener-O-Mizer 160 psi						
Min. Safety Relief Capacity (Combined)	MBH		6,882	7,061	7,245	7,607	7,967	8,332	8,694
Chamber Resistance (Combined)	Inch w.c..		1.61	1.81	2.00	2.20	2.30	2.45	2.50
	mbar		4.0	4.5	5.0	5.5	5.7	6.1	6.2
Gas-Vent Category	#		II & IV & Direct Vent (sealed combustion air)						
Boiler Vent Connection	Inch		20	20	20	20	20	20	20
Ener-O-Mizer vent connection	Inch		20	20	20	20	20	20	20
Combined Dry Weight	lb		13,811	14,201	14,591	14,981	15,571	15,961	16,351
	kg		6,265	6,442	6,618	6,795	7,063	7,240	7,417

GT PLUS CONTROL SPECIFICATION			
Control	Type	Boiler S3NA (MD5)	Ener-O-Mizer - Flow & Temp Protection
Electrical Connection	V/P/H	120/1/60 < 10A (Resettable fuse)	120/1/60 < 10A
Max. Water Limit [MR]	° F [°C]	248°F [120°C]	210°F [99°C]
Operating Limits	° F [°C]	(2x) 104 - 212°F [40 - 100°C] factory preset stop at 185°F [85°C]	Optional flow, and temperature controls available. Consult factory
Optional Controls	Type	Consult factory for available controls	

**Note:**

- CSA - MBH Output based on Thermal Efficiency ANSI Z21.13/CSA 4.9 latest std.
- Chamber Resistance Based on Neutral Chimney-Vent Pressure
- All Models Comply and Certified in Accordance to the latest Canadian & US standards
- Boiler limits sensing measuring internal mixed boiler water temperature, actual boiler supply temperature will be less - approx. 18°F [10°C]
- All Models Certified; # 2 oil, Natural & Propane Gases. Consult factory for Available Burners.
- CRN design registered for each Canadian province
- Flow rates shown are nominal, flow shall range from 1/3 to 3 times nominal values - max delta T = 81°F [45°C]

**Due to ongoing and continuous product improvements, DDR Americas Inc. reserves all rights to amend and delete information provided on this product specification table.**



# GT 530 AE Plus Series (Ener-O-Mizer)

## Standard boiler trim

ITEM	UNIT	MODELS						
		GT530-26AE Plus	GT530-27AE Plus	GT530-28AE Plus	GT530-29AE Plus	GT530-30AE Plus	GT530-31AE Plus	GT530-32AE Plus
Firing Sequence		fully modulating Gas & Oil and Dual Fuel Burner Options - Consult Factory						
[CSA] - Gas Input	MBH	6,483	6,652	6,825	7,166	7,505	7,849	8,190
	mW	1,900	1,950	2,000	2,100	2,200	2,300	2,400
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	Gas kW	1,834	1,881	1,930	2,027	2,123	2,220	2,316
Ener-O-Mizer	Model	EMN-7	EMN-7	EMN-7	EMN-7	EMN-8	EMN-8	EMN-8
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	Liter	1,296	1,334	1,372	1,410	1,471	1,509	1,548
ASME MAWP [Water]	PSI	90 psi Boiler - GT plus Ener-O-Mizer 160 psi						
Min. Safety Relief Capacity (Combined)	MBH	6,882	7,061	7,245	7,607	7,967	8,332	8,694

GT PLUS CONTROL SPECIFICATION			
Control	Type	Boiler S3NA (MD5)	Limits
Description	Function	All in one temperature controller, limit for single or 2 stage operation, modulating type burners require additional controls.	Hi limit and flow Protection devices
Electrical Connection	V/P/H	120/1/60 < 10A (Resettable fuse)	120/1/60 < 10A
Max. Water Limit [MR]	° F [°C]	248°F [120°C]	210°F [99°C]
Operating Limits	° F [°C]	(2x) 104 - 212°F [40 - 100°C] factory preset stop at 185°F [85°C]	Optional flow, and other temperature controls available. Consult factory
Optional Controls	Type	Consult factory for available controls	

Conbraco/Apollo RVW60 Series Relief Valve Selections								
Pressure Relief Valve PSIG (other relief valve pressure settings available upon request)	30	No PRV vavle selection available						
	45	10-618-09	10-618-09	10-618-09	10-618-09	10-618-09	N/A	N/A
	60	All models 60 psig relief = 10-608-12						
	75	All models 75 psig relief = 10-608-15						
	90	10-607-18	10-607-18	10-607-18	10-608-18	10-608-18	10-608-18	10-608-18

Standard Trim Items		
Water Level Control	Spec	McDonnell/Miller 751P-MT-120 OR Any CSA/UL Approved CSD-1 compliant 120v Low water probe type
Temp/Pressure Gauge	°F/PSIG range	30 to 65 psi relief valves use = 50 - 290°F / 0 - 100 psi
		65 psi reliefs and greater = 50 - 290°F / 0 - 200 psi
Vent Safety	Type	WMO-1 vent safety device or Other as provided with burner
Drain/Fill Valve	Part #	31-212-04 = ¾" 90 Drain/Fill Valve

**Other Optional Controls - Consult Factory**

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