

CAMUS



CAMUS HYDRONICS LTD.

CAMUS HYDRONICS LTD. · 6226 Netherhart Rd., Mississauga, Ontario L5T 1B7 TEL: 905-696-7800 FAX: 905-696-8801



Series

Models TH-082, 102, 152, 202, 252, 292, 392, 502

Performance Highlights

- Up to 97% efficiency
- Approved for plastic venting up to 100 feet
- 150 PSI temp. & pressure relief valve
- Onboard integrated digital operating control
- Fully modulating with 5:1 turndown
- Stainless steel heat exchanger rated at 160 PSIG maximum allowed working pressure
- Available Natural Gas or L.P.
- Thru wall exhaust vent (vertical or horizontal) with 3 air intake options
- 1) outside air sealed direct, 2) outside air, 3) indoor air
- Extremely low NOx
- Fail Safe high limit w/manual reset
- Water flow proving
- Direct spark ignition
- Zero clearance to combustibles
- Bronze circulating pump
- CSA Certified stainless steel storage tank w/10 yr. warranty, rated 160 psig maximum allowed working pressure
- Neutralizer kit
- Many more standard features

Control Panel Highlights

- Easy to read LCD display
- Password protected access for service professional
- Remote initiate
- Boiler modulates to shut down on high outlet water temperature
- Freeze protection feature
- Alarm contacts
- Runtime contacts



INPUT & OUTPUT LEVELS			Tank Capacity US GAL.	Approx. Shipping Wts. LBS.	RECOVERY CAPACITY								
MODEL	BTUH INPUT	BTUH OUTPUT			140°F Rise GPH	78°C Rise LPH	100°F Rise GPH	56°C Rise LPH	80°F Rise GPH	44°C Rise LPH	60°F Rise GPH	33°C Rise LPH	
TH-082	80,000	78,000	20	121	TH-082	67	254	93	352	116	440	155	587
TH-102	100,000	97,000	20	125	TH-102	83	314	116	439	145	549	193	732
TH-152	150,000	146,000	20	158	TH-152	125	473	174	659	218	823	290	1098
TH-202	200,000	194,000	40	192	TH-202	166	628	232	878	290	1098	387	1464
TH-252	250,000	243,000	40	192	TH-252	208	787	290	1098	363	1372	483	1829
TH-292	299,000	291,000	40	340	TH-292	248	939	349	1321	436	1651	582	2202
TH-392	399,000	387,000	40	386	TH-392	332	1257	465	1760	581	2200	775	2933
TH-502	500,000	485,000	40	405	TH-502	416	1575	581	2199	726	2749	968	3665

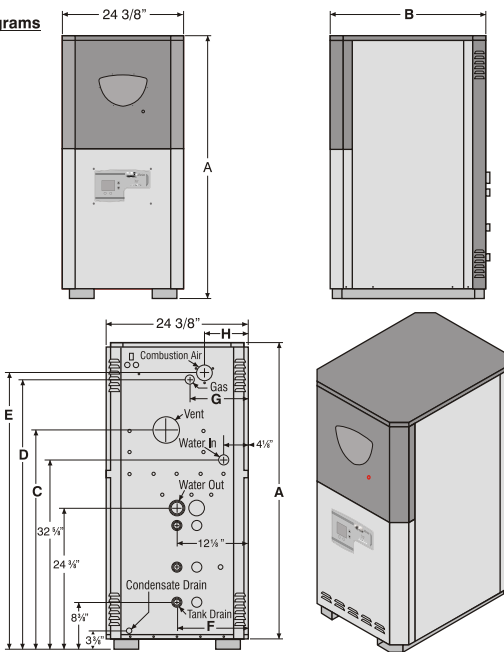
HEAT EXCHANGER HEAD LOSS & FLOW

MODEL	TEMPERATURE RISE ACROSS HEAT EXCHANGER					
	20°F		30°F		35°F	
	USGPM	Δ P - FT	USGPM	Δ P - FT	USGPM	Δ P - FT
TH-082	7.5	11.5	5.0	8.2	4.3	6.2
TH-102	9.4	26.9	6.3	12.3	5.4	9.4
TH-152	14.0	27.8	9.5	10.4	8.1	7.8
TH-202	19.2	25.9	12.6	7.2	10.8	5.8
TH-252	23.5	28.3	15.8	11.5	13.5	8.7
TH-292	28.8	25.8	18.9	9.3	16.2	7.0
TH-392	38.4	23.9	25.2	8.4	21.6	6.3
TH-502	48.6	29.4	31.5	9.2	27.0	6.9

DIMENSIONS and SPECIFICATIONS

MODEL	Dim. "A" (in.)	Dim. "B" (in.)	Dim. "C" (in.)	Dim. "D" (in.)	Dim. "E" (in.)	Dim. "F" (in.)	Dim. "G" (in.)	Dim. "H" (in.)	Length of Vent & Air Intake Pipes at Recommended Diameter			Water Conn. NPT	Gas Conn. at Boiler NPT
									over 25' & up to 100'	over 15' & up to 25'	up to 15'		
TH-082	53"	22 1/4"	46 1/4"	46 3/8"	47 1/2"	8 3/4"	9 7/8"	7 3/8"	3"	3"	2"	1"	1/2"
TH-102	53"	22 1/4"	46 1/4"	46 3/8"	47 1/2"	8 3/4"	9 7/8"	7 3/8"	3"	3"	2"	1"	1/2"
TH-152	53"	22 1/4"	46 1/4"	46 3/8"	47 1/2"	8 3/4"	9 7/8"	7 3/8"	3"	3"	2"	1"	1/2"
TH-202	53"	31 1/4"	37 3/4"	46 3/8"	47 1/2"	12 1/8"	9 7/8"	7 3/8"	3"	3"	2"	1"	1/2"
TH-252	53"	31 1/4"	37 3/4"	46 3/8"	47 1/2"	12 1/8"	9 7/8"	7 3/8"	3"	3"	2"	1 1/4"	1/2"
TH-292	65 1/2"	31 1/4"	37 1/2"	58 3/8"	53 3/8"	12 1/8"	11 3/8"	8 7/8"	4"	3"	3"	1 1/4"	3/4"
TH-392	65 1/2"	31 1/4"	37 1/2"	58 3/8"	53 3/8"	12 1/8"	11 3/8"	8 7/8"	4"	3"	3"	1 1/2"	1"
TH-502	65 1/2"	31 1/4"	37 1/2"	58 3/8"	53 3/8"	12 1/8"	11 3/8"	8 7/8"	4"	3"	3"	1 1/2"	1"

Diagrams



Camus Hydronics is also a manufacturer of replacement parts for most copper finned water heaters & heating boilers as well as a supplier of speciality HVAC products. Our service line is open 24 hours a day, seven days a week! Call 905-696-7800.