Specification Data Sheet - Electro-Boiler® EDB-T1* Series

STANDARD EQUIPMENT

- Element modulation for precise temperature control
- Quiet solid state relays or DC power relays
- Outdoor reset capability to save energy
- Dual Fuel or Low Water Cut Off (LWCO) connection
- Circuit breaker disconnects
- Circulating pump relay (10-amp)
- Includes front panel pressure/temperature gauge and relief valve
- Incolloy elements for long lasting operation
- Simple installation as no venting is required
- Lightweight for easy wall-mounted installation
- Low pressure drop equals no expensive primary/secondary piping, pumps or control wiring
- Low maintenance compared to gas boilers
- ASME stamped vessel (built in accordance to ASME Section IV)
- Conforms to: UL STD.UL834/Certified to: CSA STD.C22.2#165
- Warranty, single phase units: 20-year element warranty/20-year vessel warranty
- Warranty, three phase units: 1-year element warranty/5-year vessel warranty

WATER FLOW REQUIREMENTS (MINIMUM 2 GPM WATER FLOW THROUGH BOILER)

Model	Water Temperature Rise											
	Flow - 10° F/6° C		Head Loss		Flow - 20° F/11° C		Head Loss		Flow - 30° F/16° C		Head Loss	
	gpm	lpm	ft	m	gpm	lpm	ft	m	gpm	lpm	ft	m
EDB-T1-20-240-1	13.65	51.66	.07	.02	6.82	25.01	.02	.006	4.55	17.22	.007	.002
EDB-T1-24-240-1	16.38	62.00	.100	.03	8.49	32.13	.025	.007	5.46	20.66	.010	.003
EDB-T1-28-240-1	19.11	72.33	.136	.04	9.56	36.13	.034	.010	6.37	24.11	.015	.004
EDB-T1-32-240-1	21.85	82.71	.177	.05	10.92	41.33	.044	.013	7.28	27.55	.019	.005
EDB-T1-36-240-1	24.58	93.04	.223	.06	12.29	46.51	.056	.017	8.19	31.00	.025	.007
EDB-T1-18-208-3	12.29	46.5	.05	.01	6.14	23.24	.019	.004	4.09	15.49	.007	.001
EDB-T1-23-208-3	16.38	62.00	.100	.03	8.49	32.13	.025	.007	5.46	20.66	.010	.003
EDB-T1-28-208-3	19.11	72.33	.136	.04	9.56	36.13	.034	.010	6.37	24.11	.015	.004
EDB-T1-32-208-3	21.85	82.71	.177	.05	10.92	41.33	.044	.013	7.28	27.55	.019	.005
EDB-T1-36-208-3	24.58	93.04	.223	.06	12.29	46.51	.056	.017	8.19	31.00	.025	.007
EDB-T1-20-240-3	13.65	51.66	.07	.02	6.82	25.01	.02	.006	4.55	17.22	.007	.002
EDB-T1-24-240-3	16.38	62.00	.100	.03	8.49	32.13	.025	.007	5.46	20.66	.010	.003
EDB-T1-28-240-3	19.11	72.33	.136	.04	9.56	36.13	.034	.010	6.37	24.11	.015	.004
EDB-T1-32-240-3	21.85	82.71	.177	.05	10.92	41.33	.044	.013	7.28	27.55	.019	.005
EDB-T1-36-240-3	24.58	93.04	.223	.06	12.29	46.51	.056	.017	8.19	31.00	.025	.007
EDB-T1-18-480-3	12.29	46.5	.05	.01	6.14	23.24	.019	.004	4.09	15.49	.007	.001
EDB-T1-24-480-3	16.38	62.00	.100	.03	8.49	32.13	.025	.007	5.46	20.66	.010	.003
EDB-T1-28-480-3	19.11	72.33	.136	.04	9.56	36.13	.034	.010	6.37	24.11	.015	.004
EDB-T1-30-480-3	20.47	77.46	.156	.04	10.23	38.72	.039	.010	6.82	25.83	.013	.005
EDB-T1-36-480-3	24.58	93.04	.223	.06	12.29	46.51	.056	.017	8.19	31.00	.025	.007
EDB-T1-20-600-3	13.65	51.66	.07	.02	6.82	25.01	.02	.006	4.55	17.22	.007	.002
EDB-T1-24-600-3	16.38	62.00	.100	.03	8.49	32.13	.025	.007	5.46	20.66	.010	.003
EDB-T1-28-600-3	19.11	72.33	.136	.04	9.56	36.13	.034	.010	6.37	24.11	.015	.004
EDB-T1-32-600-3	21.85	82.71	.177	.05	10.92	41.33	.044	.013	7.28	27.55	.019	.005
EDB-T1-36-600-3	24.58	93.04	.223	.06	12.29	46.51	.056	.017	8.19	31.00	.025	.007

Note: Head Loss based on 110° F return temperature.

ELECTRIC SUPPLY

Model	Volts	Phase	kW	Watts	Btu/h	Amps	CB
EDB-T1-20-240-1	240/208	1-60	20/15	20,000/15,000	68,242/51,182	83.3/70	60A + 60A
EDB-T1-24-240-1	240/208	1-60	24/18	24,000/18,000	81,912/61,434	100/87	80A + 60A
EDB-T1-28-240-1	240/208	1-60	28/21	28,000/21,000	95,564/71,678	117/101	80A + 80A
EDB-T1-32-240-1	240/208	1-60	32/24	32,000/24,000	109,216/81,912	133/115	100A + 80A
EDB-T1-36-240-1	240/208	1-60	36/27	36,000/27,000	122,808/92,127	150/130	100A + 100A
EDB-T1-18-208-3	208	3-60	18	18,000	61,434	50	70A
EDB-T1-23-208-3	208	3-60	23	23,000	78,499	62	80A
EDB-T1-28-208-3	208	3-60	27	27,000	92,000	75	100A
EDB-T1-32-208-3	208	3-60	31.5	31,500	107,000	87	110A
EDB-T1-36-208-3	208	3-60	36	36,000	123,000	100	125A
EDB-T1-20-240-3	240	3-60	20	20,000	68,242	47	60A
EDB-T1-24-240-3	240	3-60	24	24,000	81,912	57	80A
EDB-T1-28-240-3	240	3-60	28	28,000	95,564	67	90A
EDB-T1-32-240-3	240	3-60	32	32,000	109,000	77	100A
EDB-T1-36-240-3	240	3-60	36	36,000	123,000	87	110A
EDB-T1-18-480-3	480	3-60	18	18,000	61,000	22	30A
EDB-T1-24-480-3	480	3-60	24	24,000	82,000	29	40A
EDB-T1-28-480-3	480	3-60	27	28,000	92,000	32	45A
EDB-T1-30-480-3	480	3-60	30	30,000	102,000	36	50A
EDB-T1-36-480-3	480	3-60	36	36,000	123,000	43	60A
EDB-T1-20-600-3	600	3-60	20	20,000	68,242	24	30A
EDB-T1-24-600-3	600	3-60	24	24,000	81,912	29	30A
EDB-T1-28-600-3	600	3-60	28	28,000	95,564	34	40A
EDB-T1-32-600-3	600	3-60	32	32,000	109,216	38	40A
EDB-T1-36-600-3	600	3-60	36	36,000	122,808	43	50A

Intertek

All specifications subject to ELECTRO INDUSTRIES STANDARD TERMS AND CONDITIONS, download at www.electromn.com/terms.pdf.

ELECTRO INDUSTRIES
Monticello, MN · 800.922.4138 · www.electromn.com

CLEARANCES

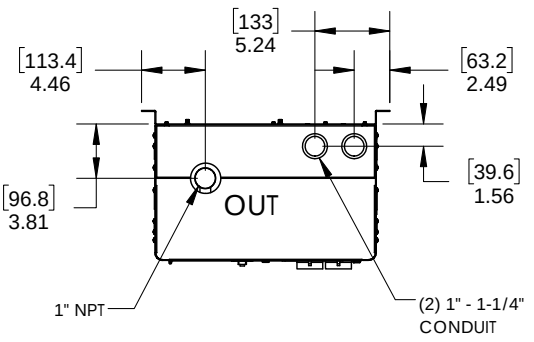
	MINIMUM CLEARANCE FROM COMBUSTIBLE SURFACES		SUGGESTED MINIMUM SERVICE CLEARANCE	
BACK	0 INCH	0 MM	0 INCH	0 MM
LEFT	1 INCH	25 MM	12 INCHES	305 MM
RIGHT	1 INCH	25 MM	12 INCHES	305 MM
FRONT	1 INCH	25 MM	24 INCHES	610 MM
TOP	1 INCH	25 MM	24 INCHES	610 MM
BOTTOM	REQUIRED CLEARANCE - 18 INCHES/457 MM			

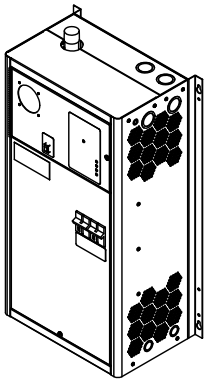
WEIGHT

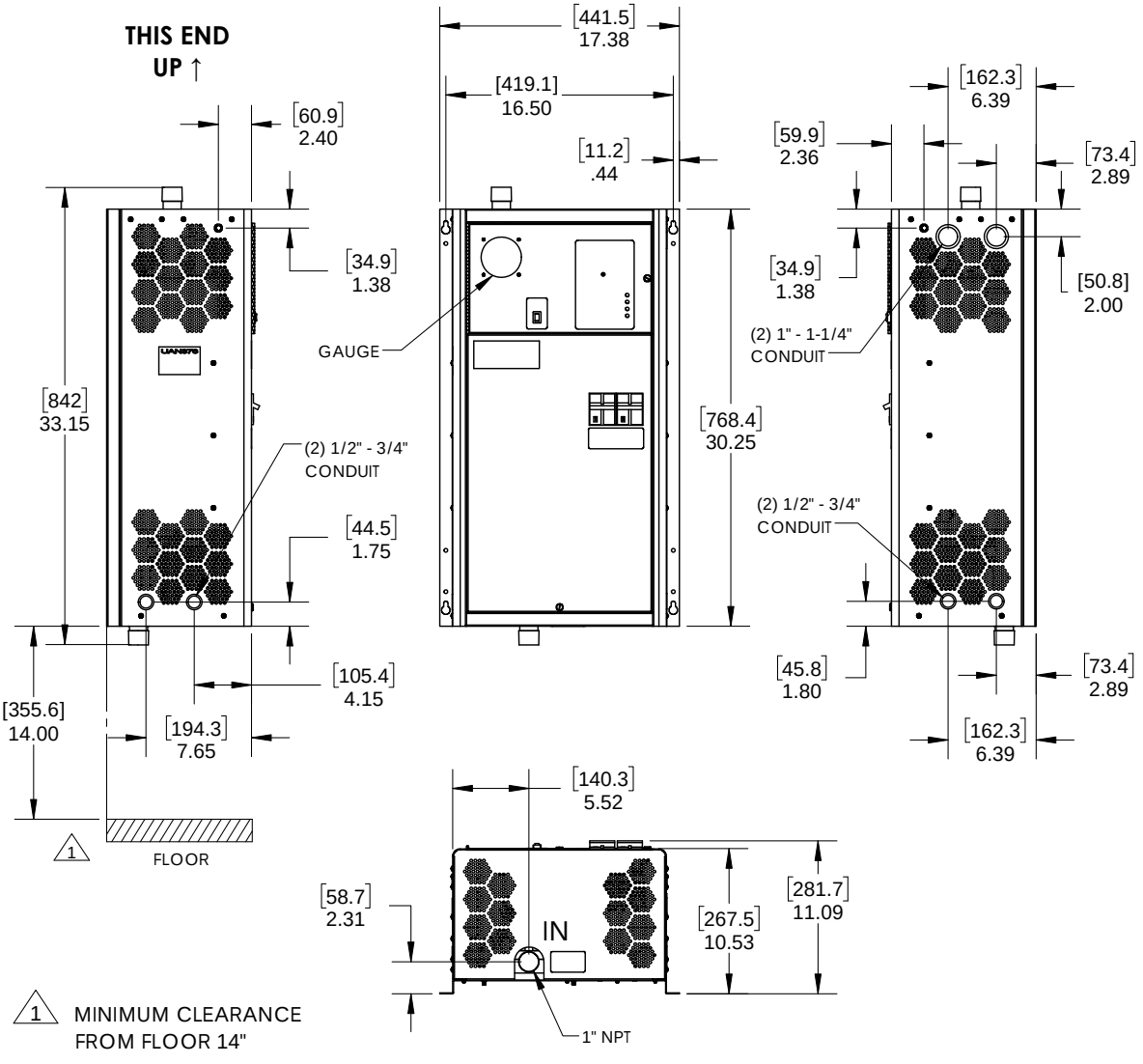
Model	Weight (lbs)
All models	90

ELECTRO INDUSTRIES
Electro-Boiler®
(EDB-T1-)**

DIMENSIONS ARE: [mm]
IN.







1 MINIMUM CLEARANCE FROM FLOOR 14"

NAME	DATE		SCALE	DESCRIPTION		MATERIAL	FINISH
DRAWN NM	11/12/24	ALL DIMENSIONS ARE IN INCHES TOLERANCES AS SHOWN OR: TWO-PLACE DECIMAL: ±.020 THREE-PLACE DECIMAL: ±.010	1:8	Electro-Boiler® EDB-T1* Series (18 - 36)kW (208, 240, 480)V ARCAT CAD DETAILS	ELECTRO INDUSTRIES Monticello, MN 55362 (763)295-4138	-	-
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