

CALL OUT	DESCRIPTION	264A	404A
12-S	Kit-Panel Junction Box Cover		
	Raypak/Rheem/Ruud (Cool Dark Gray)	018885F	018885F
	Jacuzzi (Beige)	018975F	018975F
13-S	Kit-Panel Front		
	Raypak (Maroon)	018888F	018888F
	Rheem (Warm Dark Gray)	018889F	018889F
	Ruud (Cool Dark Gray)	018887F	018887F
	Jacuzzi (Beige)	018890F	018890F
14-S	Kit-Panel Rear		
	Raypak (Maroon)	018893F	018893F
	Rheem/Ruud (Cool Dark Gray)	018894F	018894F
	Jacuzzi (Beige)	018895F	018895F
15-S	Kit-Base Assy	018892F	018892F
16-S	Kit-Bottom Right Panel UG		
	Raypak/Rheem/Ruud (Cool Dark Gray)	018896F	018896F
	Jacuzzi (Beige)	018978F	018978F
17-S	Kit-Bottom Right Panel PRV		
	Raypak/Rheem/Ruud (Cool Dark Gray)	018897F	018897F
	Jacuzzi (Beige)	018974F	018974F
18-S	Kit-Comb Chamber Support	018899F	018899F
V	VENTING		
1-V	Kit-Flue Exhaust	018877F	018877F
2-V	Kit-Flue Exhaust Gasket	018880F	018880F
3-V	Kit-Flue Adapter 4" SS	018932F	018932F
	CONVERSION KITS⁴		
	Pro. to Nat.	018866F	018867F
	Nat. to Pro.	018868F	018869F
¹ WARNING: The Hydraulic conditions or water chemistry that caused the tube bundle to fail have very likely also damaged the bypass valve. We recommend to inspect the bypass assembly. Failure to do so could cause premature failure of this replacement part.			
² Kit includes: Water inlet, outlet, and vent sensors; all cabinet and accessory harnesses; igniter high tension wire; and 24V transformer.			
³ Kit Includes: Product Manual, 120V and 240V blower harnesses, header connectors and O-rings, remote 3-wire and auxiliary harnesses.			
⁴ Gas conversions are to be done only by a qualified agency.			

Features

- ProTek Shield™ module.
- LCD digital display provides accurate temperature.
- Monitors operational status as well as service diagnostics.
- High-wind resistance.
- Corrosion-resistant headers.
- Unitherm governor prevents condensation.
- PVC plumbing directly to the heater.
- Can be installed on combustible surface.
- Available in Copper or Cupro-Nickel tubing.
- 2 year warranty.

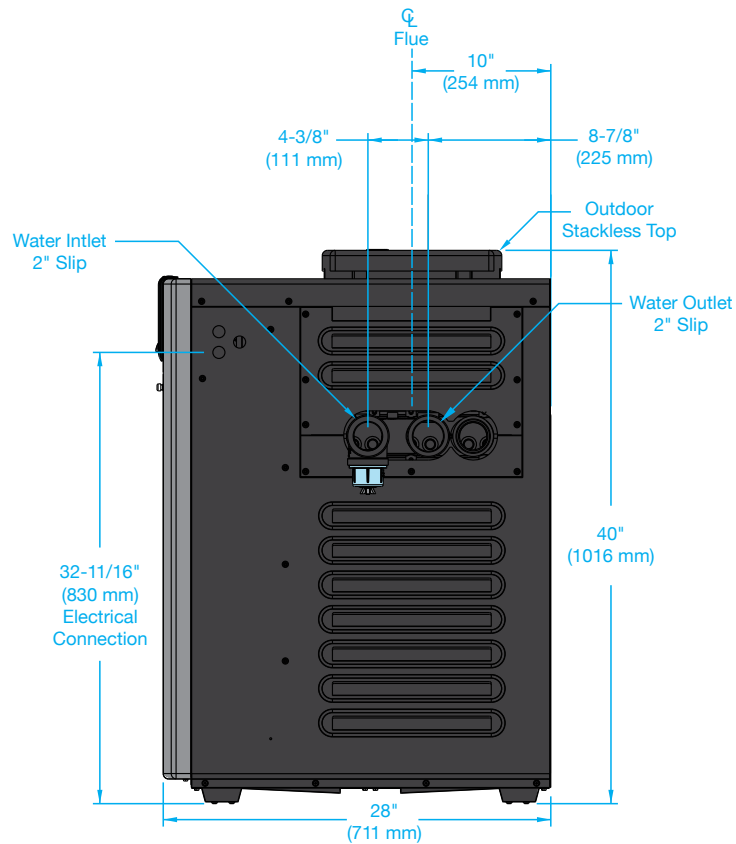
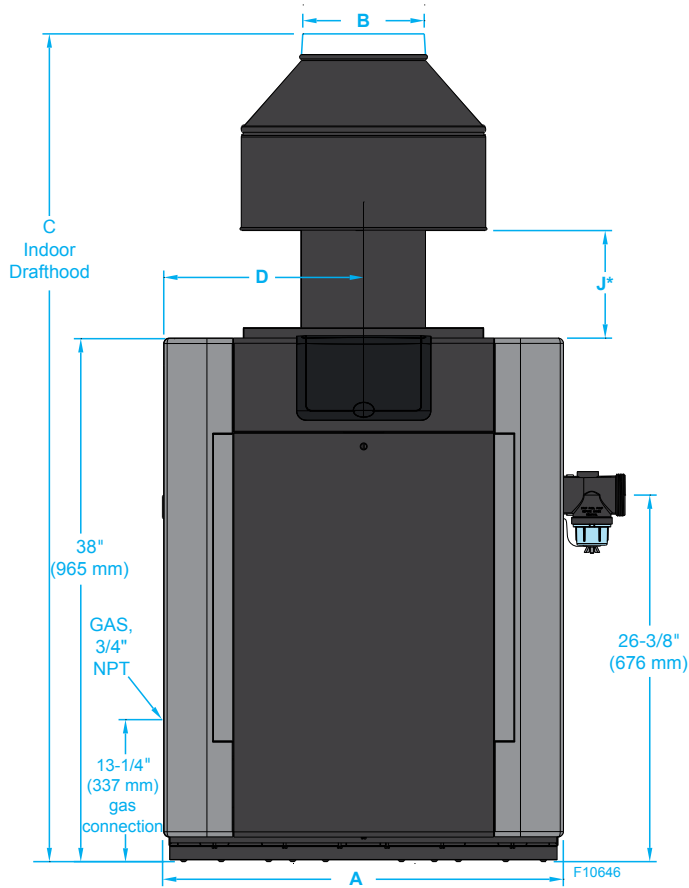


"Top 10 Best Pool Heaters of 2023 & 2024"

**Named Forbes
#1 Pool Heater**

Model No.	Part No.	MBTUH Input (kWh)	Gas Type	Elevation (ft.) *	Shipping Weight lbs.	
					w/Stackless Top	Indoor Draft Hood
Copper Heat Exchanger						
P-R206A-EN-C #50	009216	199.5 (58.4)	Natural	0-2000	187	14
P-R206A-EN-C #51	009220	199.5 (58.4)	Natural	2000-6000	187	14
P-R206A-EN-C #52	009846	199.5 (58.4)	Natural	6000-9000	187	14
P-R266A-EN-C #50	009217	266 (77.9)	Natural	0-2000	210	16
P-R266A-EN-C #51	009221	266 (77.9)	Natural	2000-6000	210	16
P-R266A-EN-C #52	009847	266 (77.9)	Natural	6000-9000	210	16
P-R336A-EN-C #50	009218	332.5 (97.4)	Natural	0-2000	230	19
P-R336A-EN-C #51	009222	332.5 (97.4)	Natural	2000-6000	230	19
P-R336A-EN-C #52	009848	332.5 (97.4)	Natural	6000-9000	230	19
P-R406A-EN-C #50	009219	399 (116.9)	Natural	0-2000	249	21
P-R406A-EN-C #51	009223	399 (116.9)	Natural	2000-6000	249	21
P-R406A-EN-C #52	009849	399 (116.9)	Natural	6000-9000	249	21
P-R206A-EP-C #57	009224	199.5 (58.4)	Propane	0-2000	187	14
P-R266A-EP-C #57	009225	266 (77.9)	Propane	0-2000	210	16
P-R336A-EP-C #57	009226	332.5 (97.4)	Propane	0-2000	230	19
P-R406A-EP-C #57	009227	399 (116.9)	Propane	0-2000	249	21

Models	Amp Draw	
	120VAC	240VAC
206A - 406A	4	2



Heater Model	BTUH Input (kWh)	(A) Cabinet Width	(B) Flue Diameter	(C) Indoor Draft Hood	(D)	(J) Minimum
R206A	199.5	20"	6"	61-5/8"	10"	11-3/4"
R266A	240	23"	7"	62"	11-1/2"	11"
R336A	335.5	26"	8"	63"	13"	10-5/8"
R406A	360	29"	9"	64-1/2"	12-1/2"	12-1/8"

Model No.	Part No.	MBTUH Input (kWh)	Gas Type	Elevation (ft.) *	Shipping Weight (lbs.)	
					w/Stackless Top	Indoor Draft Hood
Cupro-Nickel Heat Exchanger						
P-R206A-EN-X #51	014938	180 (52.7)	Natural	0-2000	187	14
P-R266A-EN-X #51	014939	240 (70.3)	Natural	0-2000	210	16
P-R336A-EN-X #51	014940	300 (87.9)	Natural	0-2000	230	19
P-R406A-EN-X #51	014941	360 (105.5)	Natural	0-2000	249	21
P-R206A-EP-X #58	014950	180 (52.7)	Propane	0-2000	187	14
P-R266A-EP-X #58	014951	240 (70.3)	Propane	0-2000	210	16
P-R336A-EP-X #58	014952	300 (87.9)	Propane	0-2000	230	19
P-R406A-EP-X #58	014953	360 (105.5)	Propane	0-2000	243	21

Designation for a Professional heater using propane gas is "EP"; a Professional heater using natural gas is "EN".
Prefix "B" is for bronze (ASME) headers.
Suffix "X" is for cupronickel tubing
Example: B-R406A-EN-X = Bronze headers, 406 model size, digital, natural gas, cupronickel
Reduce input 4% for each 1000 feet above sea level when installed above 2000 feet elevation.
Heater can be installed directly on a combustible surface.

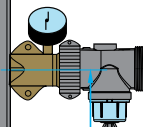
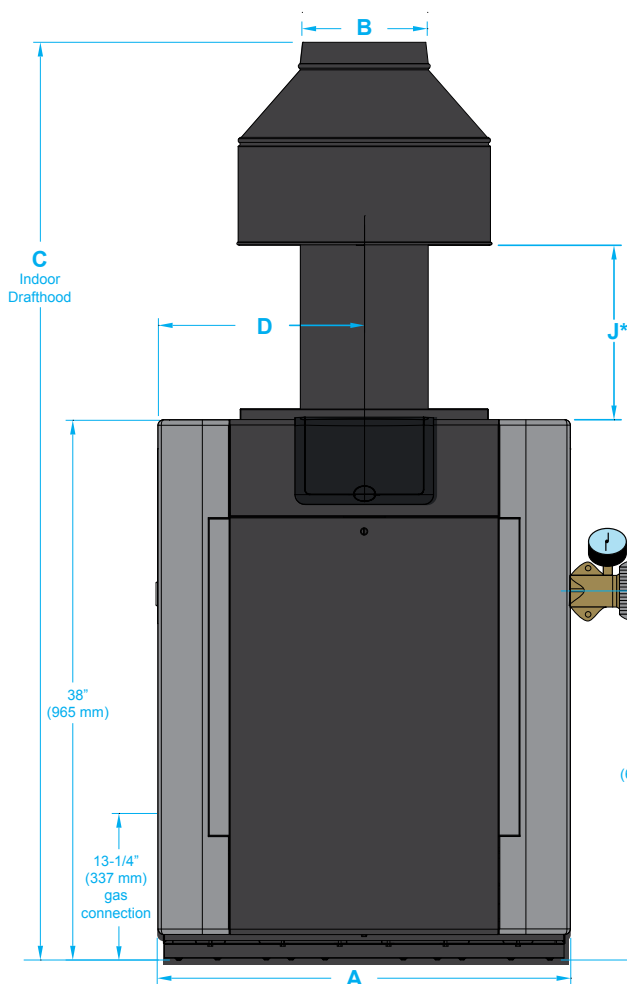
Features

- ProTek Shield™ module.
- 2" bronze headers.
- Unitherm governor prevents condensation.
- Small footprint.
- PVC plumbing directly to the heater.
- 125# pressure relief valve included.
- ANSI Z21.56 design certified.
- Can be installed on combustible surface.
- Digital LCD for temperature control and heater settings.
- Microprocessor controls diagnostic readout and continuously monitors operational status.
- 1 year warranty.

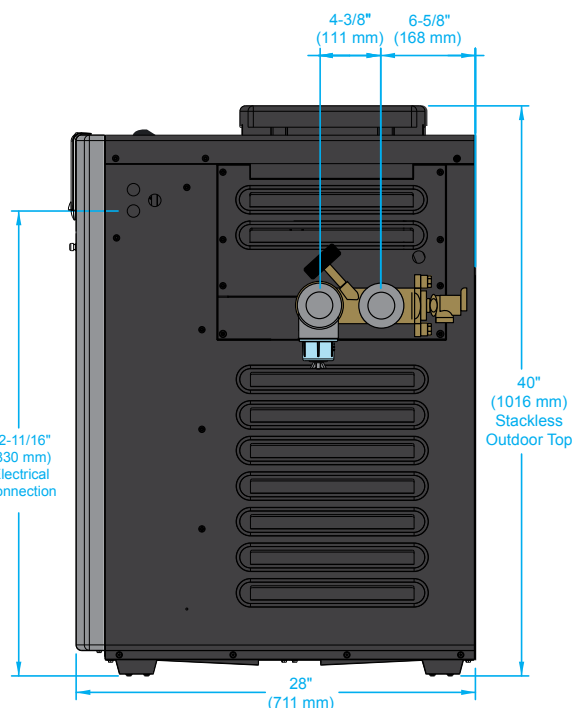


Model No.	Part No.	MBTUH Input (kWh)	Gas Type	Elevation (ft.) *	Shipping Weight lbs.	
					w/Stackless Top	Indoor Draft Hood
Copper Heat Exchanger						
B-R206A-EN-C #50	017371	199.5 (58.4)	Natural	0-2000	210	14
B-R266A-EN-C #50	017372	266 (77.9)	Natural	0-2000	235	16
B-R336A-EN-C #50	017373	332.5 (97.4)	Natural	0-2000	250	19
B-R406A-EN-C #50	017374	399 (116.9)	Natural	0-2000	273	21
B-R406A-EN-C #51	017378	399 (116.9)	Natural	2000-6000	273	21
B-R406A-EN-C #52	017382	399 (116.9)	Natural	6000-9000	273	21
B-R206A-EP-C#57	017383	199.5 (58.4)	Propane	0-2000	210	14
B-R266A-EP-C #57	017384	266 (77.9)	Propane	0-2000	235	16
B-R336A-EP-C#57	017385	332.5 (97.4)	Propane	0-2000	250	19
B-R406A-EP-C #57	017386	399 (116.9)	Propane	0-2000	273	21

Designation for a Professional heater using propane gas is "EP"; a Professional heater using natural gas is "EN".
 Prefix "B" is for bronze (ASME) headers.
 Suffix "X" is for cupronickel tubing
 Example: B-R406A-EN-X = Bronze headers, 406 model size, digital, natural gas, cupronickel
 Reduce input 4% for each 1000 feet above sea level when installed above 2000 feet elevation.
 Heater can be installed directly on a combustible surface.



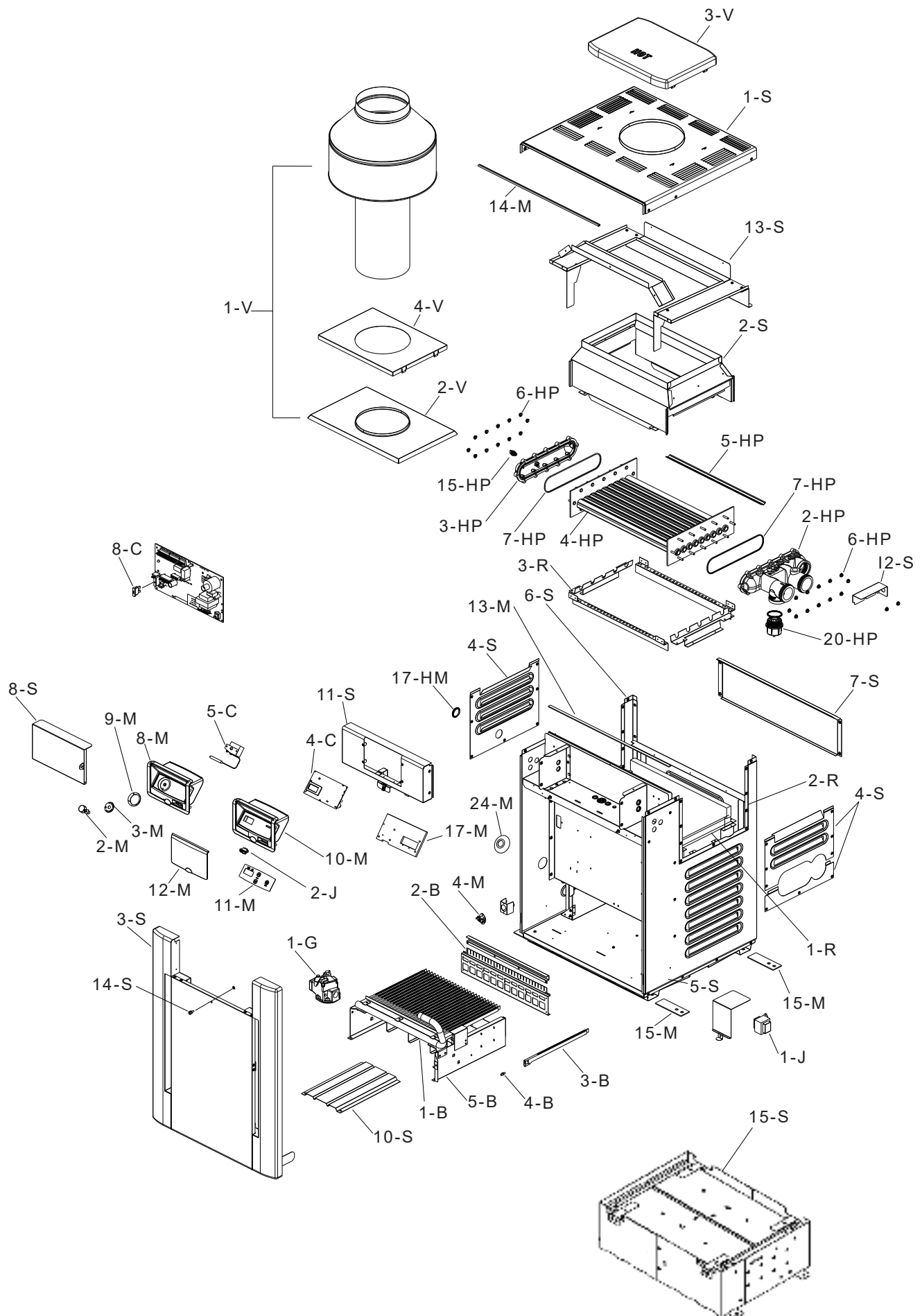
32-11/16"
(830 mm)
Electrical
Connection

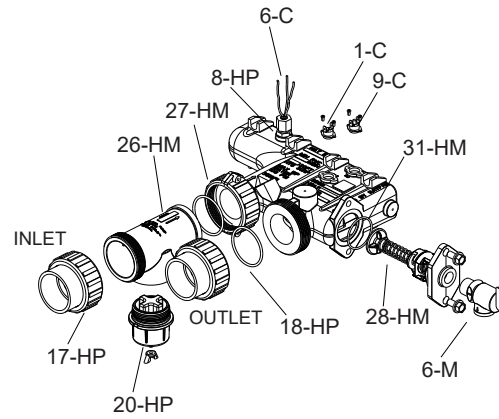
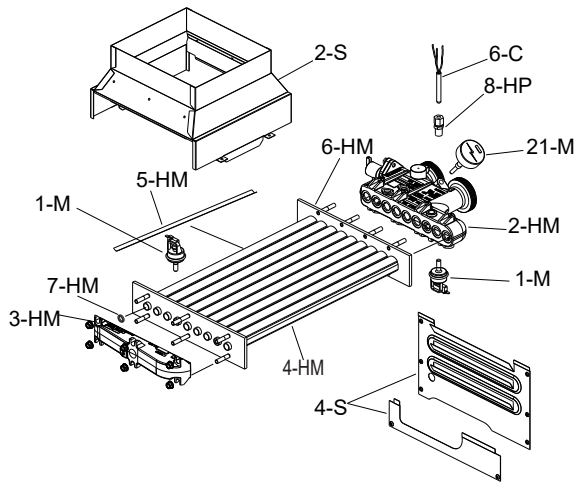


Models	Amp Draw	
	120VAC	240VAC
206A - 406A	4	2

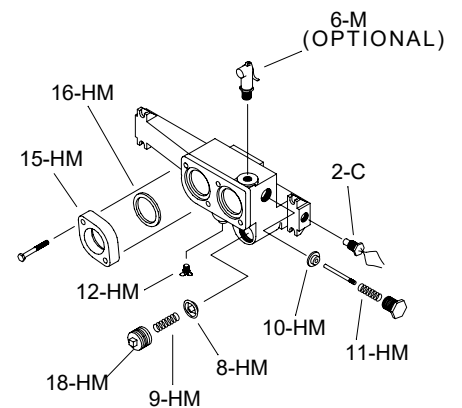
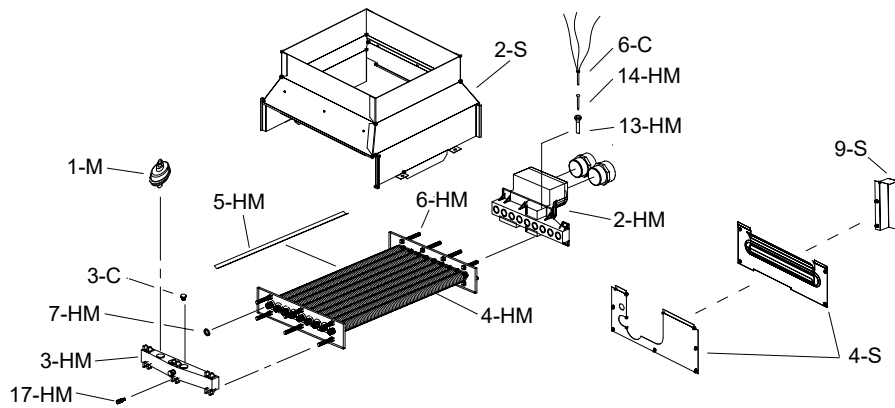
Heater Model	BTUH Input (kWh)	(A) Cabinet Width	(B) Flue Diameter	(C) Indoor Draft Hood	(D)	(J) Minimum
R206A	199.5	20"	6"	61-5/8"	10"	11-3/4"
R266A	266.0	23"	7"	62"	11-1/2"	11"
R336A	332.5	26"	8"	63"	13"	10-5/8"
R406A	399.0	29"	9"	64-9/16"	14-1/2"	12-1/8"

Model No.	Part No.	MBTUH Input (kWh)	Gas Type	Elevation (ft.) *	Shipping Weight (lbs.)	
					w/Stackless Top	Indoor Draft Hood
Cupro-Nickel Heat Exchanger						
B-R206A-EN-X #50	017399	199.5 (58.4)	Natural	0-2000	212	14
B-R206A-EN-X #51	017403	199.5 (58.4)	Natural	2000-6000	212	14
B-R206A-EN-X #52	017407	199.5 (58.4)	Natural	6000-9000	212	14
B-R266A-EN-X #50	017400	266.0 (77.9)	Natural	0-2000	235	16
B-R266A-EN-X #51	017404	266.0 (77.9)	Natural	2000-6000	235	16
B-R266A-EN-X #52	017408	266.0 (77.9)	Natural	6000-9000	235	16
B-R336A-EN-X #50	017401	332.5 (97.4)	Natural	0-2000	250	19
B-R336A-EN-X #51	017405	332.5 (97.4)	Natural	2000-6000	250	19
B-R336A-EN-X #52	017409	332.5 (97.4)	Natural	6000-9000	250	19
B-R406A-EN-X #50	017402	399 (116.9)	Natural	0-2000	269	21
B-R406A-EN-X #51	017406	399 (116.9)	Natural	2000-6000	269	21
B-R406A-EN-X #52	017410	399 (116.9)	Natural	6000-9000	269	21
B-R206A-EP-X #57	017411	199.5 (58.4)	Propane	0-2000	212	14
B-R266A-EP-X #57	017412	266.0 (77.9)	Propane	0-2000	235	16
B-R336A-EP-X #57	017413	332.5 (97.4)	Propane	0-2000	250	19
B-R406A-EP-X #57	017414	399 (116.9)	Propane	0-2000	269	21

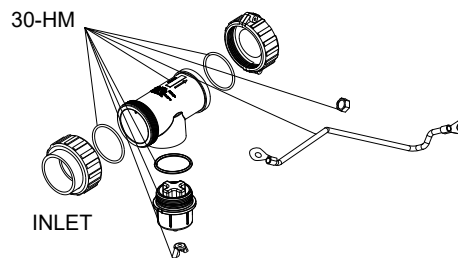




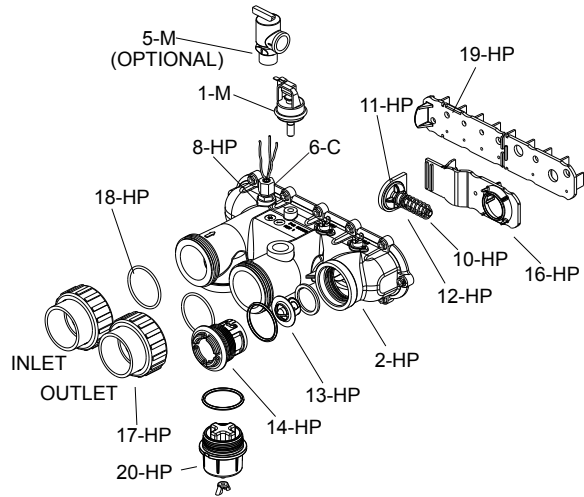
FOR UNITS WITH ASME BRONZE HEADERS FROM 12/2019
(PROTEK SHIELD AVAILABLE ON ASME HEATERS AFTER END OF Q3 2020)



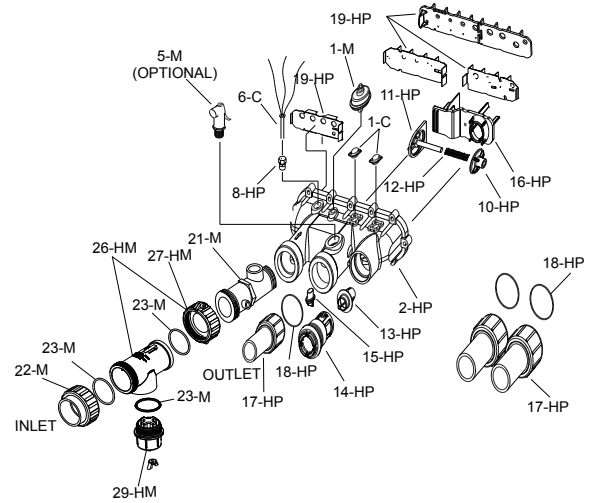
UNITS WITH ASME CAST IRON HEADERS, DISCONTINUED 12/2019



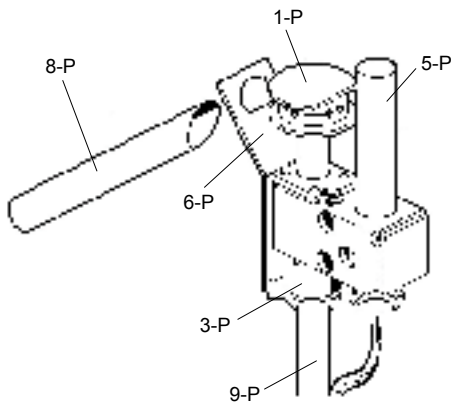
PROTEK SHIELD ADAPTER KIT



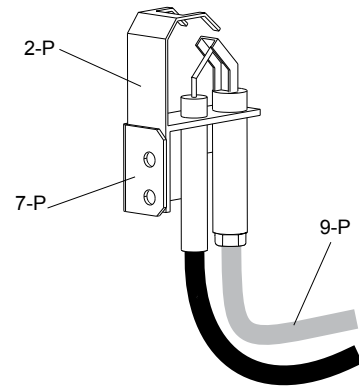
FOR UNITS WITH POLYMER HEADERS FROM 10/2019



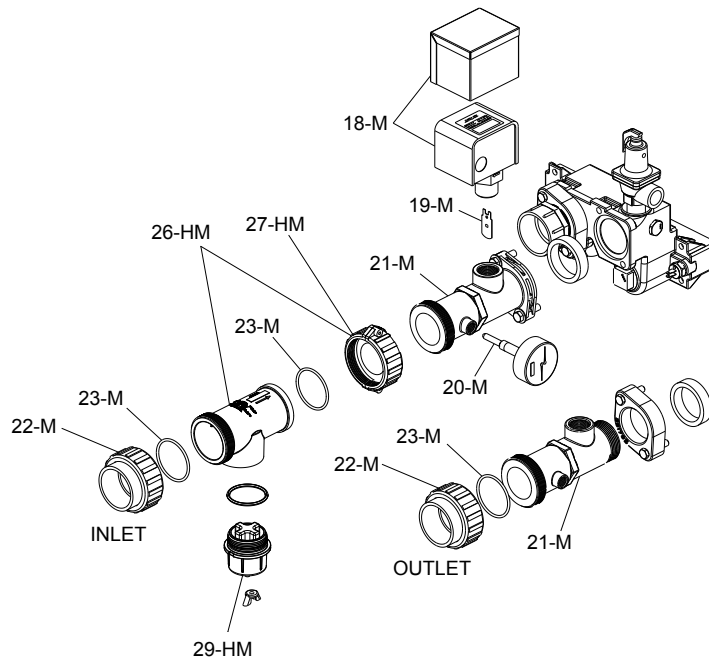
PROTEK ADAPTER AND POLYMER UNITS PRIOR TO 10/2019



HONEYWELL MILLIVOLT PILOT



HONEYWELL IID ATMOSPHERIC PILOT



PROTEK ADAPTER AND TEXAS CODE OPTION PRIOR TO 12/2019

CALL OUT	DESCRIPTION		206A	266/266A	336A	399/406A
B	BURNER TRAY - SPECIFY ELEVATION*					
1-B	Polymer Cu HX, or	Burner Tray w/Burners Nat (sea level) ¹	010391F	010392F	010393F	010394F
	ASME HX (Cu or Cupro)	Burner Tray w/Gas Valve Nat Millivolt (sea level) ¹	010399F	010400F	010401F	010402F
	NAT #50 ORIFICE	Burner Tray w/Gas Valve Nat IID (sea level) ¹	010407F	010408F	010409F	010410F
	Polymer Cu HX, or	Burner Tray w/Burners Pro (sea level) ¹	019206F	019207F	019208F	019209F
	ASME HX (Cu or Cupro)	Burner Tray w/Gas Valve Pro Millivolt (sea level) ¹	010403F	010404F	010405F	010406F
	PRO #57 ORIFICE	Burner Tray w/Gas Valve Pro IID (sea level) ¹	010411F	010412F	010413F	010414F
	Polymer Cupro HX NAT #51 ORIFICE	Burner Tray w/Burners Nat (sea level) ¹	019210F	019211F	019212F	019213F
		Burner Tray w/Gas Valve Nat Millivolt (sea level) ¹	019214F	019215F	019216F	019217F
		Burner Tray w/Gas Valve Nat IID (sea level) ¹	019218F	019219F	019220F	019221F
	Polymer Cupro HX PRO #58 ORIFICE	Burner Tray w/Burners Pro (sea level) ¹	019222F	019223F	019224F	019225F
		Burner Tray w/Gas Valve Nat IID (sea level) ¹	019226F	019227F	019228F	019229F
		Burner Tray w/Gas Valve Pro IID (sea level) ¹	019230F	019231F	019232F	019233F
2-B	Burner Spacer/Hold Down Kit		010415F	010416F	010417F	010418F
3-B	Burner (pack of 10)		100-10000414	100-10000414	100-10000414	100-10000414
4-B	Burner Orifice (TO BE ORDERED BASED ON RATING PLATE AND ELEVATION) NOTE: Orifice kits are sold in quantities of 5.					
	Natural Gas					
	Burner Orifice #50 ¹ (0-1999 ft elevation)		350079F/QTY13	350079F/QTY18	350079F/QTY22	350079F/QTY27
	Burner Orifice #51 ¹ (2000-5999 ft elevation)		350080F/QTY13	350080F/QTY18	350080F/QTY22	350080F/QTY27
	Burner Orifice #52 ¹ (6000-8999 ft elevation)		350081F/QTY13	350081F/QTY18	350081F/QTY22	350081F/QTY27
	Burner Orifice #53 ¹ (9000 + ft elevation)		350347F/QTY13	350347F/QTY18	350347F/QTY22	350347F/QTY27
	Propane Gas					
	Burner Orifice #57 ¹ (0-1999 ft elevation)		350083F/QTY13	350083F/QTY18	350083F/QTY22	350083F/QTY27
	Burner Orifice #58 ¹ (2000-2999 ft elevation)		350087F/QTY13	350087F/QTY18	350087F/QTY22	350087F/QTY27
	Burner Orifice #59 ¹ (3000-4999 ft elevation)		350350F/QTY13	350350F/QTY18	350350F/QTY22	350350F/QTY27
	Burner Orifice #60 ¹ (5000-6999 ft elevation)		350351F/QTY13	350351F/QTY18	350351F/QTY22	350351F/QTY27
	Burner Orifice #61 ¹ (7000-7999 ft elevation)		350352F/QTY13	350352F/QTY18	350352F/QTY22	350352F/QTY27
5-B	Burner Tray w/o Manifold w/o burners		010421F	010422F	010423F	010424F

CALL OUT	DESCRIPTION	206A	266/266A	336A	399/406A
C	CONTROLS				
1-C	High Limit Auto-Reset 135°F Deg Surface Mount	006725F	006725F	006725F	006725F
2-C	AGS 135°F (Auto Gas Shut-Off) - Red Epoxy - prior to 12/2019	600892B	600892B	600892B	600892B
3-C	High Limit 140°F - Black Epoxy - prior to 12/2019	600893B	600893B	600893B	600893B
4-C	P.C. Board/Control	100-10000345	100-10000345	100-10000345	100-10000345
8-C	Fuse 5 AMP (P.C. Board)	013733F	013733F	013733F	013733F
5-C	Thermostat Control MV Units Mechanical	003346F	003346F	003346F	003346F
6-C	Temperature Sensor IID Units	009577F	009577F	009577F	009577F
9-C	High Limit Auto-Reset 160°F Surface Mount (ASME Only)	018304F	018304F	018304F	018304F
G	GAS VALVE				
1-G	Combination Valve - Nat. MV	003898F	003898F	003898F	003898F
	Combination Valve - Pro. MV	003899F	003899F	003899F	003899F
	Combination Valve - Nat. IID	003900F	003900F	003900F	003900F
	Combination Valve - Pro. IID	004306F	004306F	004306F	004306F
HP	HEAT EXCHANGER - POLYMER (RESIDENTIAL ONLY)				
1-HP	Heat Exchanger Assy Copper ³				
	Units manufactured from 10/2019 ⁴	017994F	017995F	017996F	017997F
	Heat Exchanger Assy Cupronickel ³				
	Units manufactured from 10/2019 ⁴	017998F	017999F	018000F	018001F
2-HP	Inlet/Outlet Header Complete				
	Units manufactured from 10/2019 ⁴	017959F	017959F	017959F	017959F
	Inlet/Outlet Header (Includes 6-HP)				
	Units manufactured from 10/2019 ⁴	017965F	017965F	017965F	017965F
3-HP	Return Header (Includes 6-HP)	015095F	015095F	015095F	015095F
4-HP	Tube Bundle Copper ² & ³	010059F	010060F	010061F	010062F
	Tube Bundle Cupronickel ² & ³				
	Units manufactured from 7/2013	014930F	014931F	014932F	014933F
	Units manufactured prior to 7/2013	010364F	010365F	010366F	010367F
5-HP	Baffle (Copper Heat Exchanger)	010038F	005261F	010040F	010041F
	Baffle (Cupronickel Heat Exchanger)				
	Units manufactured from 6/2013	014934F	014935F	014936F	014937F
	Units manufactured prior to 6/2013	010038F	005261F	010040F	010041F
6-HP	Flange Nut Kit (1/4-20)	008259F	008259F	008259F	008259F
7-HP	O-Ring Gasket (2)	006713F	006713F	006713F	006713F
8-HP	Sensor Adapter Digital Electronic	006714F	006714F	006714F	006714F
	Sensor Well Millivolt	006805F	006805F	006805F	006805F

CALL OUT	DESCRIPTION	206A	266/ 266A	336A	399/ 406A
9-HP	Bypass Kit	006715F	006715F	006715F	006715F
10-HP	Bypass Valve	006716F	006716F	006716F	006716F
11-HP	Bypass Dam / Shaft	006717F	006717F	006717F	006717F
12-HP	Bypass Spring (All Sizes Included)	006718F	006718F	006718F	006718F
13-HP	Unitherm Governor	006719F	006719F	006719F	006719F
14-HP	Unitherm Governor Plug	006720F	006720F	006720F	006720F
15-HP	Drain Plug	006721F	006721F	006721F	006721F
16-HP	Inlet/Outlet Header Dam	N/A Use 19-HP	N/A Use 19-HP	N/A Use 19-HP	N/A Use 19-HP
17-HP	2" CPVC Connector & Nut (2)	006723F	006723F	006723F	006723F
18-HP	O-Ring (2)	006724F	006724F	006724F	006724F
19-HP	Inlet/Outlet Header Baffle w/Header Dam	006826F	006826F	006826F	006826F
20-HP	ProTek Shield™ Assembly	017960F	017960F	017960F	017960F
HM	HEAT EXCHANGER - METAL (ASME-CERTIFIED, FOR COMMERCIAL USE)				
1-HM	Heat Exchanger Assy. Copper ASME (Bronze)				
	Units manufactured from 12/2019	017983F	017984F	017985F	017986F
	Units manufactured prior to 12/2019	010051F	016193F	010053F	010054F
	Heat Exchanger Assy. Cupronickel ASME (Bronze)				
	Units manufactured from 12/2019	017987F	017988F	017989F	017990F
	⁵ Option #2: Units manufactured from 12/2019 (Bronze)	100-10002250	100-10002251	100-10002252	100-10002253
	Units manufactured prior to 12/2019	010360F	010361F	010362F	010363F
2-HM	Inlet/Outlet Header ASME Complete (Bronze)				
	Units manufactured from 7/2020	018740F	018740F	018741F	018741F
	Units manufactured from 12/2019	017961F	017961F	017992F	017992F
	Units manufactured prior to 12/2019	006730F	006730F	006730F	006730F
	Inlet/Outlet Header ASME (Bronze)				
	Units manufactured from 7/2020	018739F	018739F	018739F	018739F
	Units manufactured from 12/2019	017966F	017966F	017966F	017966F
	Units manufactured prior to 12/2019	012319F	012319F	012319F	012319F
15-HM	Inlet & Outlet Flange - prior to 12/2019 (Bronze)	003766F	003766F	003766F	003766F
16-HM	Flange Gasket 1-1/2" Connections - prior to 12/2019	062236B	062236B	062236B	062236B
	Flange Gasket 2" Connections - prior to 12/2019	800080B	800080B	800080B	800080B
3-HM	Return Header ASME (Bronze)				
	Units manufactured from 7/2020	018738F	018738F	018738F	018738F
	Units manufactured from 12/2019	017973F	017973F	017973F	017973F
	Units manufactured prior to 12/2019	006731F	006731F	006731F	006731F
4-HM	Tube Bundle Copper ASME ²				
	Units manufactured from 12/2019	017974F	017975F	017976F	017977F
	Tube Bundle Cupronickel ASME ²				
	Units manufactured from 12/2019	017978F	017979F	017980F	017981F
	Units manufactured prior to 12/2019	010368F	010369F	010370F	010371F
5-HM	Baffle (1.060"-1.065" width)	010038F	005261F	010040F	010041F
	Baffle (0.85" width)	100-10001116	100-10001117	100-10001118	100-10001119

CALL OUT	DESCRIPTION	206A	266/ 266A	336A	399/ 406A
6-HM	Stud Bolt Kit				
	Units manufactured from 12/2019	017982F	017982F	017982F	017982F
	Units manufactured prior to 12/2019	007870F	007870F	007870F	007870F
7-HM	Header Gasket (9)	800014B	800014B	800014B	800014B
8-HM	Unitherm Governor	062234B	062234B	062234B	062234B
9-HM	U.G. Retainer Spring	013792F	013792F	013792F	013792F
18-HM	U.G. Plug (Brass)	013738F	013738F	013738F	013738F
10-HM	Bypass Valve	016194F	016194F	016194F	016194F
11-HM	Bypass Spring				
	Units with Plastic Bypass Valve (Units manufactured from 3/5/17 to 12/19)	016196F	016196F	016196F	016196F
	Units with Bronze Bypass Valve (Units manufactured prior to 3/5/17)	013794F	013794F	013794F	013794F
12-HM	Drain Valve (1/8" NPT)	013793F	013793F	013793F	013793F
13-HM	Sensor Well	003765F	003765F	003765F	003765F
14-HM	Well Retaining Clip	100-10000413	100-10000413	100-10000413	100-10000413
17-HM	Rear Drain Plug & Cover	005264F	005264F	005264F	005264F
19-HM	Adapter CPVC 2"	005393F	005393F	005393F	005393F
26-HM	Adapter - ProTek Shield (Includes 27-HM) from end of Q3 2020	018006F	018006F	018006F	018006F
27-HM	Nut - ProTek Shield Adapter - 2-Pcs from end of Q3 2020	018007F	018007F	018007F	018007F
28-HM	U.G./Bypass Assembly (Units manufactured from 12/2019)	018758F	018758F	018759F	018759F
29-HM	ProTek Shield Assembly from end of Q3 2020	018766F	018766F	018766F	018766F
30-HM	ProTek Shield Adapter Assembly - from end of Q3 2020	018006F	018006F	018006F	018006F
31-HM	Bypass O-Ring (Units manufactured from 12/2019)	016230F	016230F	016230F	016230F
J	CONTROL BOX				
1-J	Transformer 120/240/24V	006736F	006736F	006736F	006736F
2-J	Rocker Switch	009493F	009493F	009493F	009493F
M	MISCELLANEOUS COMPONENTS				
1-M	Pressure Switch 1.75 PSI	006737F	006737F	006737F	006737F
	Pressure Switch 1.75 PSI Complete Kit (Units manufactured from 12/2019 to 6/2020)	018297F	018297F	018297F	018297F
	Pressure Switch 11 PSI (Special-See Water Pressure Switch Adj.)	009133F	009133F	009133F	009133F
2-M	Thermostat Knob	009499F	009499F	009499F	009499F
3-M	Knobstop	006886F	006886F	006886F	006886F
4-M	Thermal Fuse	005899F	005899F	005899F	005899F
5-M	PRV (75 PSI)	017957F	017957F	017957F	017957F
6-M	Deliming Kit (Not Shown)	052871F	052871F	052871F	052871F
7-M	Wire/Harness Millivolt (Not Shown)	010386F	010386F	010386F	010386F
	Wire/Harness IID	009490F	009490F	009490F	009490F
8-M	Control Bezel MV (Includes Dial Decal)	009489F	009489F	009489F	009489F
9-M	Dial Decal MV	009858F	009858F	009858F	009858F

CALL OUT	DESCRIPTION	206A	266/ 266A	336A	399/ 406A
10-M	Control Bezel (Includes Switch Decal)				
	Units manufactured from 5/2011	013491F	013491F	013491F	013491F
	Units manufactured prior to 5/2011	009491F	009491F	009491F	009491F
11-M	Switch/Decal-Membrane				
	Units manufactured from 5/2011	013492F	013492F	013492F	013492F
	Units manufactured prior to 5/2011	009492F	009492F	009492F	009492F
12-M	Control Bezel Cover	009487F	009487F	009487F	009487F
13-M	Gasket Insulation (Swaybrace & Jacket Top)	010350F	010350F	010350F	010350F
14-M	Touch-up Paint (Not Shown)				
	Green	100-10000659	100-10000659	100-10000659	100-10000659
	Dark Gray	100-10000660	100-10000660	100-10000660	100-10000660
	Cool Dark Gray	100-10000534	100-10000534	100-10000534	100-10000534
	Warm Dark Gray	100-10000535	100-10000535	100-10000535	100-10000535
15-M	Tie Down Bracket (Optional)	011636	011636	011636	011636
16-M	Texas Code Option (ASME Only) - Units manufactured prior to 12/2019				
	Flanged Connection (Not Shown)	015889F	015889F	015889F	015889F
	NPT Connection (Not Shown)	015890F	015890F	015890F	015890F
18-M	Flow Switch	007142F	007142F	007142F	007142F
19-M	Flow Switch Paddle	010026F	010026F	010026F	010026F
20-M	T & P Gauge	014647F	014647F	014647F	014647F
21-M	2" CPVC Adapter (Outlet Plumbing)				
	NPT Connection	013795F	013795F	013795F	013795F
	Flanged Connection	015883F	015883F	015883F	015883F
22-M	2" CPVC Connector & Nut (2)	006723F	006723F	006723F	006723F
23-M	O-Ring (2)	006724F	006724F	006724F	006724F
17-M	PC Board Shield (Optional)	015557F	015557F	015557F	015557F
24-M	Gas Line Finish Flange	016160F	016160F	016160F	016160F
P	PILOT				
1-P	Pilot Nat. MV	600525B	600525B	600525B	600525B
	Pilot Pro. MV	600575B	600575B	600575B	600575B
3-P	Pilot Orifice Nat. MV	003901F	003901F	003901F	003901F
	Pilot Orifice Pro. MV	003902F	003902F	003902F	003902F
5-P	Pilot Generator (Thermocouple) MV	600019B	600019B	600019B	600019B
2-P	Pilot Nat & Pro IID	002003F	002003F	002003F	002003F
4-P	Pilot Orifice Nat. IID .020	003903F	003903F	003903F	003903F
	Pilot Orifice Pro. IID .012	004308F	004308F	004308F	004308F
6-P	Pilot MTG Bracket MV	010352F	010352F	010352F	010352F
7-P	Pilot Mounting Bracket IID	100-10000419	100-10000419	100-10000419	100-10000419
8-P	Lighter Tube Assy. (MV Units Only)	100-10000710	100-10000710	100-10000710	100-10000710
9-P	Pilot Tube	004078F	004078F	004078F	004078F
10-P	Hi Tension Wire IID with Pilot Electrode	N/A	N/A	N/A	N/A
11-P	Pilot Shield	010351F	010351F	010351F	010351F

CALL OUT	DESCRIPTION	206A	266/ 266A	336A	399/ 406A
R	REFRACTORY				
1-R	Refractory Common Lt & Rt	010088F	010088F	010088F	010088F
2-R	Refractory Uncommon (Front & Rear)	010089F	010090F	010091F	010092F
3-R	Refractory Retainer Kit	010387F	010388F	010389F	010390F
S	SHEET METAL				
1-S	Jacket Top (Louvered)	010047F	010048F	010049F	010050F
2-S	Flue Collector (Units with Polymer Header)	010071F	010072F	010073F	010074F
	Flue Collector (Units with Metal ASME Header)	010075F	010076F	010077F	010078F
3-S	Door Assy				
	Raypak				
	Cool Dark & Warm Dark Gray	013859F	013860F	013861F	013862F
	Green	010378F	010379F	010380F	010381F
	Rheem				
	Cool Dark & Warm Dark Gray	013863F	013864F	013865F	013866F
	Green	010382F	010383F	010384F	010385F
	Ruud				
	Cool Dark & Warm Dark Gray (Units mfd after 9/2012)	013859F	013860F	013861F	013862F
	Warm Dark Gray (Units manufactured prior to 9/2012)	013867F	013868F	013869F	013870F
	Green	010382F	010383F	010384F	010385F
	Jacuzzi	N/A	016698F	N/A	016699F
14-S	Screw & Retainer	006744F	006744F	006744F	006744F
4-S	Access Panel Set (3 Pcs Units with Polymer Header)	010311F	010311F	010311F	010311F
	Access Panel Set - ASME				
	Access Panel Set (3 Pcs. for BR Header) - from 12/2019	017967F	017967F	017967F	017967F
	Access Panel Set (3 Pcs. for CI Header) - prior to 12/2019	010312F	010312F	010312F	010312F
5-S	Jacket Side Panel Right	010376F	010376F	010376F	010376F
6-S	Jacket Side Panel Left	010377F	010377F	010377F	010377F
7-S	Jacket Rear Panel (2 Pcs.)	010372F	010373F	010374F	010375F
8-S	Poolstat Cover/Lock Box	009505	009505	009505	009505
9-S	High Limit Cover - prior to 12/2019	010319F	010319F	010319F	010319F
10-S	Base Heat Shield - prior to 10/2019	010320F	010320F	010320F	010320F
11-S	Up Front Control Panel				
	Green	010321F	010322F	010323F	010324F
	Cool Dark Gray	013887F	013888F	013889F	013890F
	Warm Dark Gray	013891F	013892F	013893F	013894F
12-S	High Limit Shield	010342F	010342F	010342F	010342F
13-S	Weather Shield	010325F	010326F	010327F	010328F
15-S	Base Riser (Canada only)	019444F	019444F	019444F	019444F

CALL OUT	DESCRIPTION	206A	266/ 266A	336A	399/ 406A
V	VENTING				
1-V	Indoor Stack Kit (Includes inner adapter panel)	009838	009839	009840	009841
	Outdoor Stack Kit (Includes inner adapter panel)	009834	009835	009836	009837
2-V	Stack Adapter	010330F	010331F	010332F	010333F
4-V	Outer Stack Adapter	011461F	011462F	011463F	011464F
3-V	"Pagoda" Top				
	Cool Dark Gray	013883F	013884F	013885F	013886F
	Green	010334	010335	010336	010337
ATMOSPHERIC CONVERSION KITS ⁶					
Gas Conversions					
Nat. to Pro. MV Pilot		N/A	N/A	004692B	004692B
Pro. to Nat. MV Pilot		010419F	010419F	010420F	010420F
Nat. to Pro. IID Pilot		*	*	*	*
Pro. to Nat. IID Pilot		*	*	*	*
¹ FOR INSTALLATION AT OVER 2,000 FEET ABOVE SEA LEVEL, DERATE 4% PER 1,000 FEET ABOVE SEA LEVEL. Refer to the heater's rating plate.					
² WARNING: The Hydraulic conditions or water chemistry that caused the tube bundle to fail have very likely also damaged the bypass valve and Unitherm Governor. Raypak recommends you replace the Unitherm Governor and inspect the bypass assembly. Failure to do so could cause premature failure of this replacement part.					
³ WARNING: Copper and Cupronickel heat exchangers and tube bundles are not interchangeable. Units with suffix "C" must use copper replacement parts and units with suffix "X" must use Cupronickel replacement parts.					
⁴ Polymer units manufactured prior to 10/2019, plumbing will need to be moved back (away from heater) 2" to make up for Protek Shield. See page 92 for details.					
⁵ Option #2: For Tube Bundle and Heat Exchanger kit assemblies					
⁶ Gas conversions are to be done only by a qualified agency.					
*Conversion must be made with complete burner tray and gas valve (see item 1-B).					

Features

- Self-protection technology with ProTek Shield™.
- 2" bronze headers.
- High-wind reliability.
- Unitherm governor prevents condensation.
- Small footprint.
- PVC plumbing directly to the heater.
- 125# pressure relief valve included.
- ANSI Z21.56 design certified.
- Can be installed on combustible surface.
- Digital LCD for temperature control and heater settings.
- Microprocessor controls diagnostic readout and continuously monitors operational status.
- 1 year warranty.



Model No.	Part No.	MBTUH Input (kWh)	Gas Type	Elevation (ft.) *	Shipping Weight lbs.	
					w/Stackless Top	Indoor Draft Hood
Copper Heat Exchanger						
B-R207A-EN-C #26	017705	199.5 (58.4)	Natural	0-5000	200	12
B-R267A-EN-C #26	017706	266 (77.9)	Natural	0-5000	220	15
B-R337A-EN-C #26	017707	332.5 (97.4)	Natural	0-5000	240	17
B-R407A-EN-C #26	017708	399 (116.9)	Natural	0-5000	260	20

Designation for a Professional heater using propane gas is "EP"; a Professional heater using natural gas is "EN".

Prefix "B" is for bronze (ASME) headers.

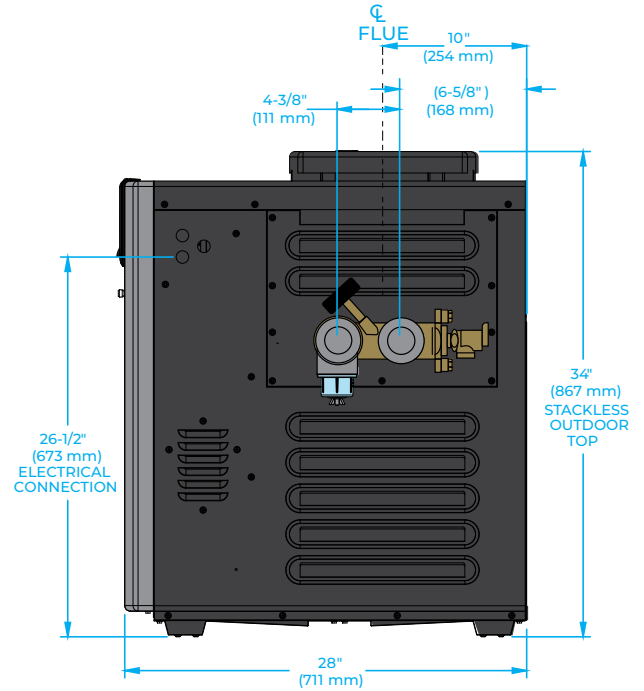
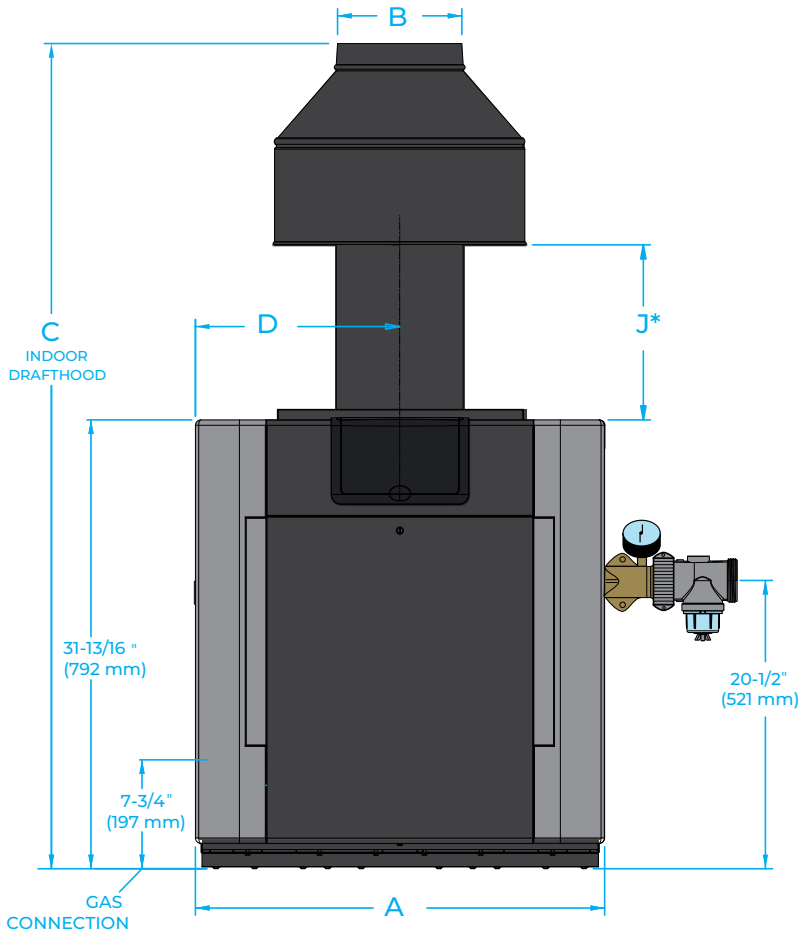
Suffix "X" is for cupronickel tubing

Example: B-R407A-EN-X = Bronze headers, 407 model size, digital, natural gas, cupronickel

Reduce input 4% for each 1000 feet above sea level when installed above 2000 feet elevation.

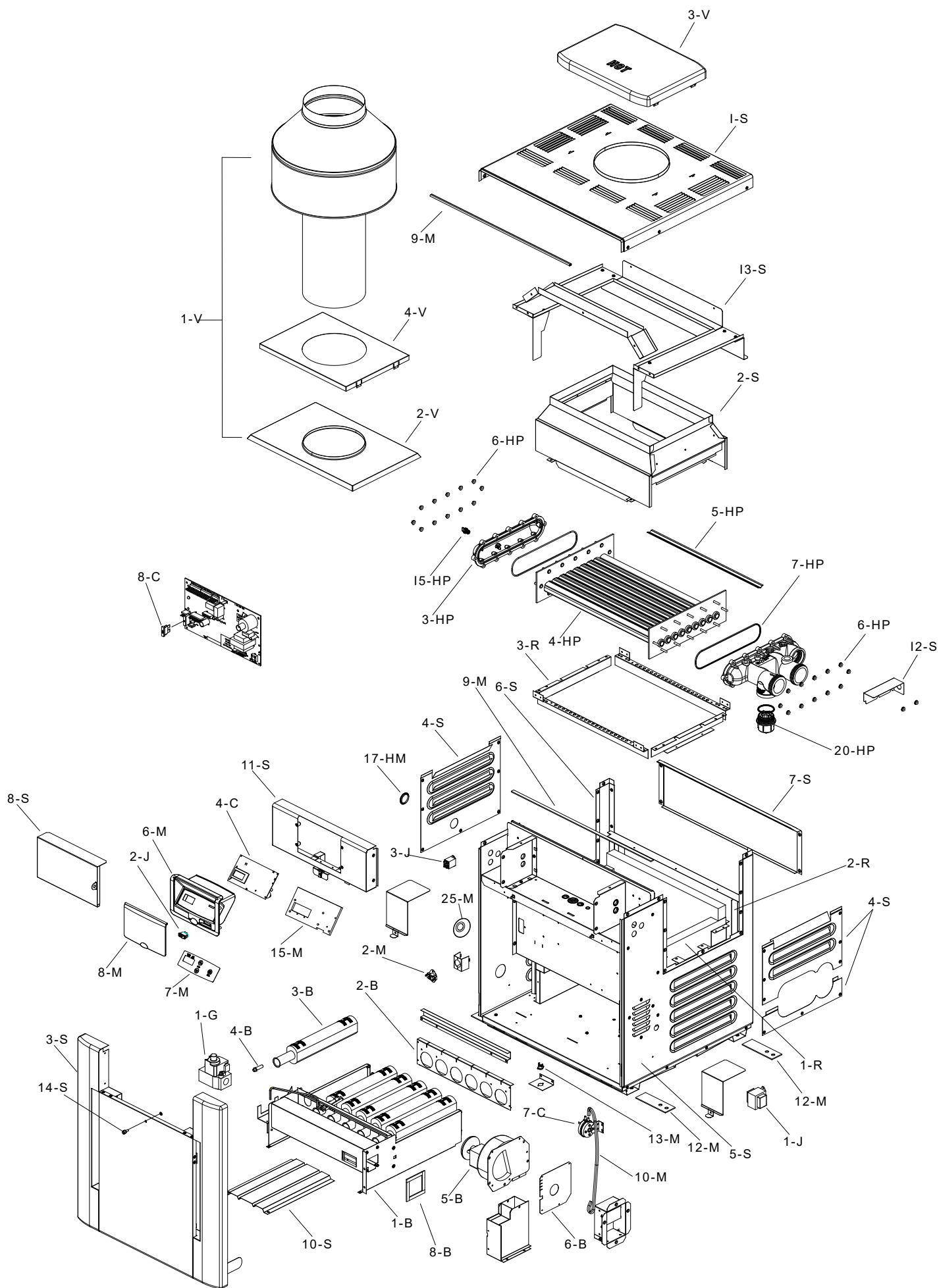
Heater can be installed directly on a combustible surface.

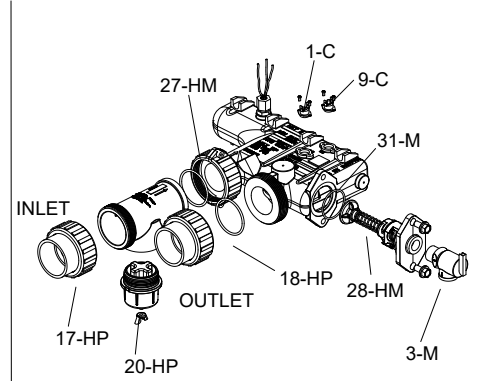
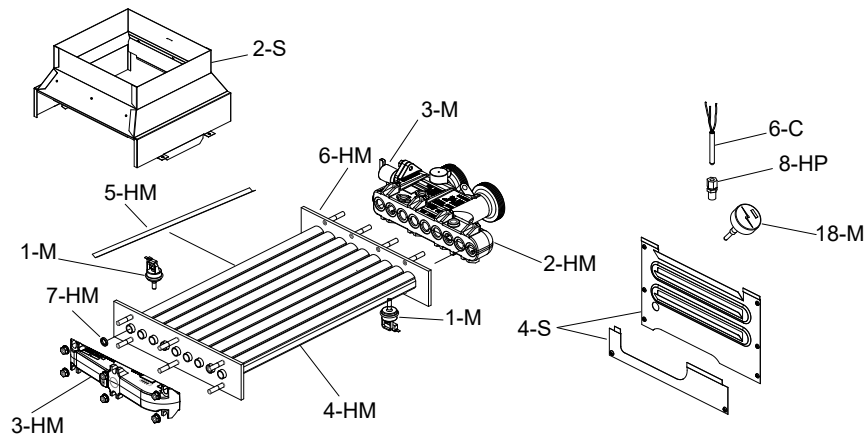
Models	Amp Draw	
	120VAC	240VAC
207A - 407A	6	3



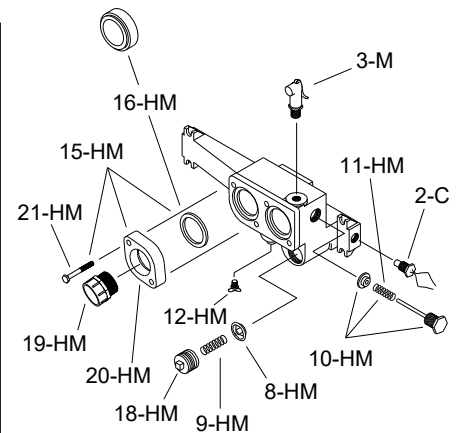
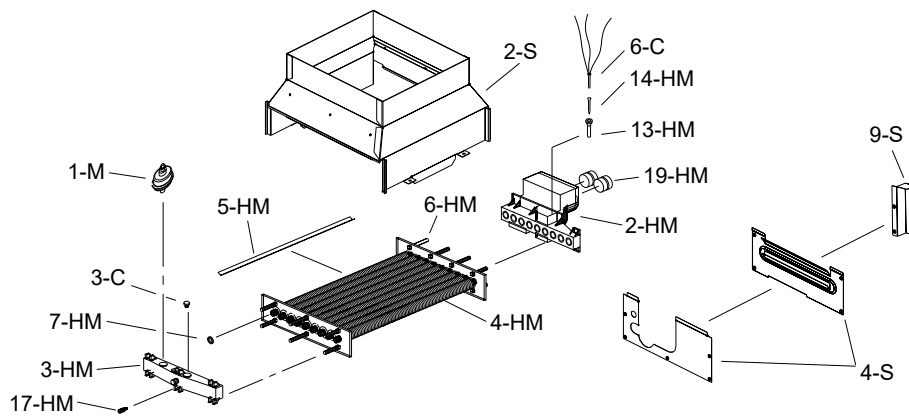
Heater Model	BTUH Input (kWh)	(A) Cabinet Width	(B) Flue Diameter	(C) Indoor Draft Hood	(D)	(J) Minimum
R207A	199.5	20"	6"	55-5/8"	10"	11-3/4"
R267A	266	23"	7"	56"	11-1/2"	11"
R337A	332.5	26"	8"	57"	13"	10-5/8"
R407A	399	29"	9"	58-1/2"	14-1/2"	12-1/8"

Model No.	Part No.	MBTUH Input (kWh)	Gas Type	Elevation (ft.) *	Shipping Weight lbs.	
					w/Stackless Top	Indoor Draft Hood
Cupro-Nickel Heat Exchanger						
B-R207A-EN-X #26	017709	199.5 (58.4)	Natural	0-5000	200	12
B-R267A-EN-X #26	017710	266 (77.9)	Natural	0-5000	220	15
B-R337A-EN-X #26	017711	332.5 (97.4)	Natural	0-5000	240	17
B-R407A-EN-X #26	017712	399 (116.9)	Natural	0-5000	260	20

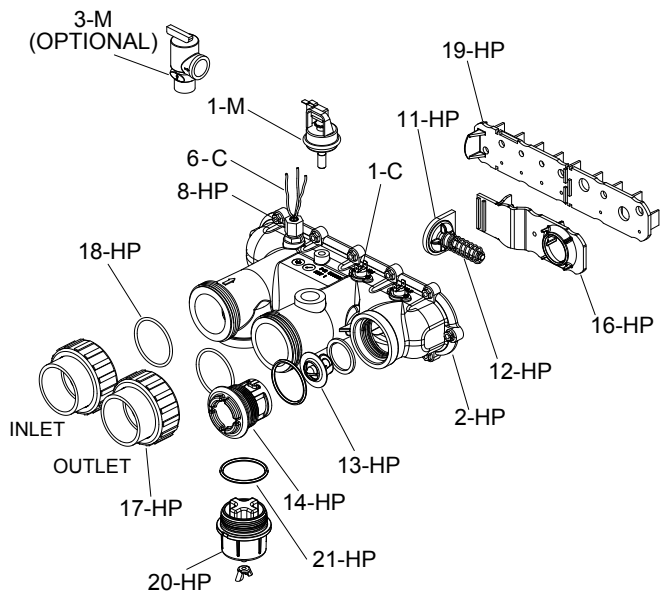




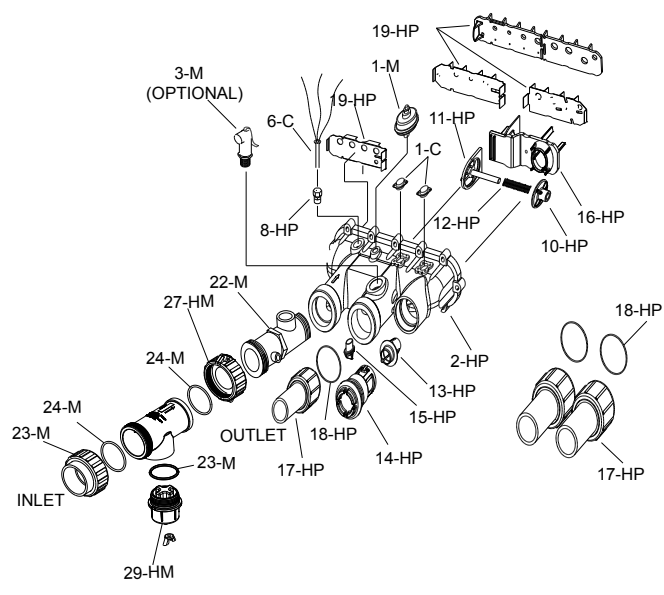
FOR UNITS WITH ASME BRONZE HEADERS FROM 12/2019
(PROTEK SHIELD NOT AVAILABLE ON ASME HEATERS UNTIL END Q3 2020)



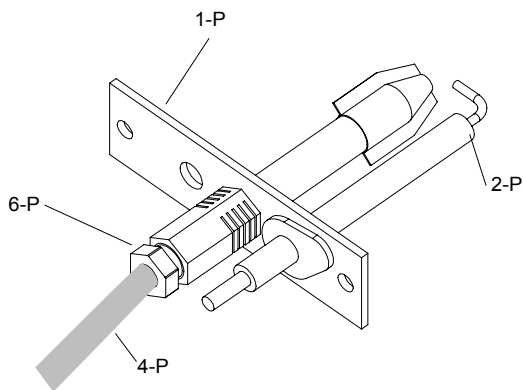
FOR UNITS WITH ASME CAST IRON HEADERS PRIOR TO 12/2019



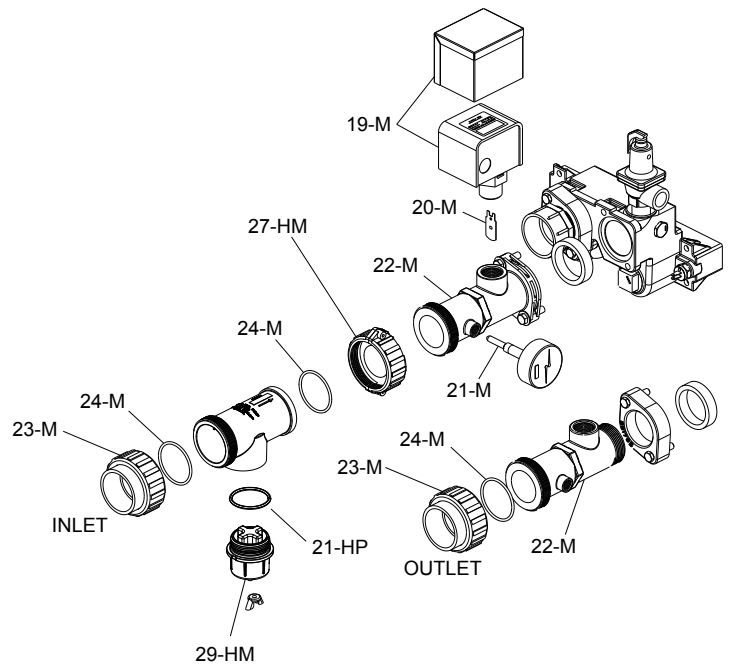
FOR UNITS WITH POLYMER HEADERS FROM 10/2019



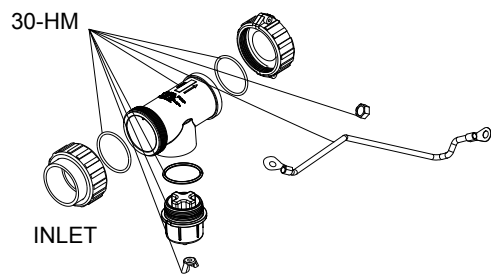
PROTEK ADAPTER AND POLYMER UNITS PRIOR TO 10/2019



IID LOW NOx PILOT



PROTEK ADAPTER AND TEXAS CODE OPTION PRIOR TO 12/2019



PROTEK SHIELD ADAPTER KIT

CALL OUT	DESCRIPTION	207A	266L/267A	337A	399L/407A
BB	BURNER TRAY ³				
1-B	Burner Tray w/Burners (0-5000)	010343F	010344F	010345F	010346F
	Burner Tray w/o Burner (0-5000)	010084F	010085F	010086F	010087F
	Burner Tray w/Burner (Above 5000 ft) ¹	100-10000839	100-10000840	100-10000841	100-10000842
	Burner Tray w/o Burner (Above 5000 ft) ¹	100-10000843	100-10000844	100-10000845	100-10000846
2-B	Burner Hold Down Kit	010254F	010255F	010256F	010257F
3-B	Burner	017045F/3	017045F/4	017045F/5	017045F/6
4-B	Burner Orifice Nat. #26 (0-5000) ¹ (Qty 5)	100-10000422	100-10000422	100-10000422	100-10000422/2
	Burner Orifice Nat. #27 (above 5000 ft.) ¹ (Qty 5)	100-10000848	100-10000848	100-10000848	100-10000848/2
8-B	Combustion Air Seal Gasket	016361F	016361F	016361F	016361F
5-B	Blower	010042F	010042F	010042F	010042F
7-B	Cooling Fan	010871F	010871F	010871F	010871F
6-B	Combustion Air Orifice Plate	010338F	010339F	010340F	010341F
C	CONTROLS				
1-C	High Limit Auto-Reset 135°F Surface Mount	006725F	006725F	006725F	006725F
2-C	AGS 135°F (Auto Gas Shutoff) - Red Epoxy - prior to 12/2019	600892B	600892B	600892B	600892B
3-C	High Limit 140°F - Black Epoxy - prior to 12/2019	600893B	600893B	600893B	600893B
4-C	P. C. Board/Control	100-10000345	100-10000345	100-10000345	100-10000345
8-C	Fuse 5 AMP	013733F	013733F	013733F	013733F
6-C	Temperature Sensor	009577F	009577F	009577F	009577F
7-C	Blower Pressure Switch	008062F	008135F	010354F	010355F
9-C	Thermostat Reset Surface Mount (ASME Only)	018304F	018304F	018304F	018304F
G	GAS VALVE				
1-G	Combination Valve - Gas On/Off -Nat	010329F	010329F	010329F	010329F
HP	HEAT EXCHANGER - POLYMER				
1-HP	Heat Exchanger Assy Copper				
	Units manufactured from 10/2019	017994F	017995F	017996F	017997F
	Units manufactured prior to 10/2019	010043F	010044F	010045F	010046F
	Heat Exchanger Assy Cupronickel ³				
	Units manufactured from 10/2019	017998F	017999F	018000F	018001F
	Units manufactured from 7/2013 thru 9/2019	014926F	014927F	014928F	014929F
	Units manufactured prior to 7/2013	010356F	010357F	010358F	010359F

CALL OUT	DESCRIPTION	207A	266L/267A	337A	399L/407A
2-HP	Inlet/Outlet Header Complete				
	Units manufactured from 10/2019	017959F	017959F	017959F	017959F
	Inlet/Outlet Header (Includes 6-HP)				
	Units manufactured from 10/2019	017965F	017965F	017965F	017965F
3-HP	Return Header (Includes 6-HP)	015095F	015095F	015095F	015095F
4-HP	Tube Bundle Copper ²	010059F	010060F	010061F	010062F
	Tube Bundle Cupronickel ²				
	Units manufactured from 7/2013	014930F	014931F	014932F	014933F
	Units manufactured prior to 7/2013	010364F	010365F	010366F	010367F
5-HP	Baffle (Copper Heat Exchanger)	010038F	005261F	010040F	010041F
	Baffle (Cupronickel Heat Exchanger)				
	Units manufactured from 6/2013	014934F	014935F	014936F	014937F
	Units manufactured prior to 6/2013	010038F	005261F	010040F	010041F
6-HP	Flange Nut Kit	008259F	008259F	008259F	008259F
7-HP	O-Ring Gasket (2)	006713F	006713F	006713F	006713F
8-HP	Sensor Adapter Digital Electronic	006714F	006714F	006714F	006714F
9-HP	Bypass Kit	006715F	006715F	006715F	006715F
10-HP	Bypass Valve	006716F	006716F	006716F	006716F
11-HP	Bypass Dam / Shaft	006717F	006717F	006717F	006717F
12-HP	Bypass Spring (All Sizes Included)	006718F	006718F	006718F	006718F
13-HP	Unitherm Governor	006719F	006719F	006719F	006719F
14-HP	Unitherm Governor Plug	006720F	006720F	006720F	006720F
15-HP	Drain Plug	006721F	006721F	006721F	006721F
16-HP	Inlet/Outlet Header Dam	N/A Use 19-HP	N/A Use 19-HP	N/A Use 19-HP	N/A Use 19-HP
17-HP	2" CPVC Connector & Nut (2)	006723F	006723F	006723F	006723F
18-HP	O-Ring (2)	006724F	006724F	006724F	006724F
19-HP	Inlet/Outlet Header Baffle w/Header Dam	006826F	006826F	006826F	006826F
20-HP	ProTek Shield™ Assy	017960F	017960F	017960F	017960F
21-HP	O-Ring ProTek Mounting	019276F	019276F	019276F	019276F

CALL OUT	DESCRIPTION	207A	266L/267A	337A	399L/407A
HM	HEAT EXCHANGER - METAL				
1-HM	Heat Exchanger Assy Copper ASME				
	Units manufactured from 12/2019 (Bronze)	017983F	017984F	017985F	017986F
	Units manufactured prior to 12/2019 (Cast Iron)	010051F	016193F	010053F	010054F
	Heat Exchanger Assy Cupronickel ASME				
	Units manufactured from 12/2019 (Bronze)	017987F	017988F	017989F	017990F
	Units manufactured prior to 12/2019 (Cast Iron)	010360F	010361F	010362F	010363F
2-HM	Inlet/Outlet Header ASME Complete				
	Units manufactured from 7/2020 (Bronze)	018740F	018740F	018741F	018741F
	Units manufactured from 12/2019 (Bronze)	017961F	017961F	017992F	017992F
	Units manufactured prior to 12/2019 (Cast Iron)	006730F	006730F	006730F	006730F
	Inlet/Outlet Header ASME				
	Units manufactured from 7/2020 (Bronze)	018739F	018739F	018739F	018739F
	Units manufactured from 12/2019 (Bronze)	017966F	017966F	017966F	017966F
	Units manufactured prior to 12/2019 (Cast Iron)	012319F	012319F	012319F	012319F
15-HM	Inlet & Outlet Flange (Complete) - prior to 12/2019	003766F	003766F	003766F	003766F
20-HM	Inlet & Outlet Flange - prior to 12/2019	016166F	016166F	016166F	016166F
21-HM	Flange Bolts - prior to 12/2019	016167F	016167F	016167F	016167F
16-HM	Flange Gasket 1 1/2" Connections - prior to 12/2019	062236B	062236B	062236B	062236B
	Flange Gasket 2" Connections - prior to 12/2019	800080B	800080B	800080B	800080B
3-HM	Return Header ASME				
	Units manufactured from 7/2020 (Bronze)	018738F	018738F	018738F	018738F
	Units manufactured from 12/2019 (Bronze)	017973F	017973F	017973F	017973F
	Units manufactured prior to 12/2019 (Cast Iron)	006731F	006731F	006731F	006731F
4-HM	Tube Bundle Copper ASME ²				
	Units manufactured from 12/2019	017974F	017975F	017976F	017977F
	Units manufactured prior to 12/2019	010055F	006733F	010057F	010058F
	Tube Bundle Cupronickel ASME ²				
	Units manufactured from 12/2019	017978F	017979F	017980F	017981F
	Units manufactured prior to 12/2019	010368F	010369F	010370F	010371F

CALL OUT	DESCRIPTION	207A	266L/267A	337A	399L/407A
5-HM	Baffle	010038F	005261F	010040F	010041F
6-HM	Stud Bolt Kit				
	Units manufactured from 12/2019	017982F	017982F	017982F	017982F
	Units manufactured prior to 12/2019	007870F	007870F	007870F	007870F
7-HM	Header Gasket (9)	800014B	800014B	800014B	800014B
8-HM	Unitherm Governor	062234B	062234B	062234B	062234B
9-HM	U.G. Retainer Spring	013792F	013792F	013792F	013792F
18-HM	U.G. Plug	013738F	013738F	013738F	013738F
10-HM	Bypass Valve	016194F	016194F	016194F	016194F
11-HM	Bypass Spring				
	Units with Plastic Bypass Valve (Units manufactured from 3/5/17 to 12/19)	016196F	016196F	016196F	016196F
	Units with Bronze Bypass Valve (Units manufactured to 3/5/17)	013794F	013794F	013794F	013794F
12-HM	Drain Valve	013793F	013793F	013793F	013793F
13-HM	Sensor Well	003765F	003765F	003765F	003765F
14-HM	Well Retaining Clip	100-10000413	100-10000413	100-10000413	100-10000413
17-HM	Rear Drain Plug & Cover	005264F	005264F	005264F	005264F
19-HM	Adapter CPVC 2"	005393F	005393F	005393F	005393F
27-HM	Nut - ProTek Shield Adapter - 2-Pc from end of Q3 2020	018007F	018007F	018007F	018007F
28-HM	U.G./Bypass Assembly (Units manufactured from 12/2019)	018759F	018759F	018758F	018758F
31-M	O-Ring, UG	017658F	017658F	017658F	017658F
29-HM	ProTek Shield Assembly from end of Q3 2020	018766F	018766F	018766F	018766F
30-HM	ProTek Shield Adapter Assembly - from end of Q3 2020	018006F	018006F	018006F	018006F
J	CONTROL BOX				
1-J	Transformer 120/240/24V	006736F	006736F	006736F	006736F
2-J	Rocker (Power) Switch	009493F	009493F	009493F	009493F
3-J	Relay Low NOx	008784F	008784F	008784F	008784F
M	MISCELLANEOUS COMPONENTS				
1-M	Pressure Switch 1.75 PSI	006737F	006737F	006737F	006737F
	Pressure Switch 1.75 PSI Complete Kit (Units manufactured 12/2019 to 6/2020)	018297F	018297F	018297F	018297F
	Pressure Switch 11 PSI Special-See Water Pressure Switch Adj.	009133F	009133F	009133F	009133F
2-M	Roll-Out Switch 300°F	006035F	006035F	006035F	006035F
3-M	PRV - 75 PSI, 3/4" NPT	017957F	017957F	017957F	017957F

CALL OUT	DESCRIPTION	207A	266L/267A	337A	399L/407A
4-M	Deliming Kit	052871F	052871F	052871F	052871F
5-M	Wire/Harness	010347F	010347F	010347F	010347F
6-M	Control Bezel (Includes Switch Decal)				
	Units manufactured from 5/2011	013491F	013491F	013491F	013491F
	Units manufactured prior to 5/2011	009491F	009491F	009491F	009491F
7-M	Switch/Decal-Membrane				
	Units manufactured from 5/2011	013492F	013492F	013492F	013492F
	Units manufactured prior to 5/2011	009492F	009492F	009492F	009492F
8-M	Control Bezel Cover	009487F	009487F	009487F	009487F
9-M	Gasket Insulation (Swaybrace & Jacket Top)	010350F	010350F	010350F	010350F
10-M	Blower / Air Pressure Switch Sample Tube	010348F	010348F	010348F	010348F
11-M	Touch-up Paint				
	Green	100-10000659	100-10000659	100-10000659	100-10000659
	Dark Gray	100-10000660	100-10000660	100-10000660	100-10000660
	Cool Dark Gray	100-10000534	100-10000534	100-10000534	100-10000534
	Warm Dark Gray	100-10000535	100-10000535	100-10000535	100-10000535
12-M	Tie Down Bracket (Optional)	011636	011636	011636	011636
13-M	Roll-Out Switch 250°F (Optional)	011745F	011745F	011745F	011745F
	Roll-Out Switch 250°F (Upgrade)	011733F	011733F	011733F	011733F
14-M	Texas Code Option (ASME Only) - Units manufactured prior to 12/2019				
	Flanged Connection (Not Shown)	015889F	015889F	015889F	015889F
	NPT Connection (Shown)	015890F	015890F	015890F	015890F
18-M	T & P Gauge	014647F	014647F	014647F	014647F
19-M	Flow Switch	007142F	007142F	007142F	007142F
20-M	Flow Switch Paddle	010026F	010026F	010026F	010026F
22-M	2" CPVC Connector (Outlet Plumbing)				
	Flanged Connection	015883F	015883F	015883F	015883F
23-M	2" CPVC Connector & Nut (2)	006723F	006723F	006723F	006723F
24-M	O-Ring (2)	006724F	006724F	006724F	006724F
15-M	PC Board Shield (Optional)	015557F	015557F	015557F	015557F
25-M	Gas Line Finish Flange	016160F	016160F	016160F	016160F
P	PILOT				
1-P	Pilot Nat. IID Low NOx	010232F	010232F	010232F	010232F
2-P	Pilot Electrode	N/A	N/A	N/A	N/A
3-P	Pilot Mounting Bracket	010233F	010234F	010235F	010236F
4-P	Pilot Tube	011926F	011926F	011926F	011926F

CALL OUT	DESCRIPTION	207A	266L/267A	337A	399L/407A
5-P	Hi Tension Wire IID	010349F	010349F	010349F	010349F
6-P	Adapter Nut (Metric)	011927F	011927F	011927F	011927F
R	REFRACTORY				
1-R	Refractory, Left and Right sections	010079F	010079F	010079F	010079F
2-R	Refractory, Front and Rear sections	010080F	010081F	010082F	010083F
3-R	Refractory Retainer Kit	010262F	010263F	010264F	010265F
S	SHEET METAL				
1-S	Jacket Top (Louvered)	010047F	010048F	010049F	010050F
2-S	Flue Collector (Units with Polymer Header)	010063F	010064F	010065F	010066F
	Flue Collector (Units with Metal Header)	010067F	010068F	010069F	010070F
3-S	Door Assy.				
	Raypak				
	Cool Dark & Warm Dark Gray	013871F	013872F	013873F	013874F
	Green	010267F	010268F	010269F	010270F
	Rheem				
	Cool Dark & Warm Dark Gray	013875F	013876F	013877F	013878F
	Green	010271F	010272F	010273F	010274F
	Ruud				
	Cool Dark & Warm Dark Gray (Units manufactured after to 9/2012)	013871F	013872F	013873F	013874F
	Warm Dark Gray (Units manufactured prior to 9/2012)	013879F	013880F	013881F	013882F
	Green	010271F	010272F	010273F	010274F
	Jacuzzi	N/A	016700F	N/A	016701F
14-S	Screw & Retainer	006744F	006744F	006744F	006744F
4-S	Access Panel Set (3 Pcs. Units with Polymer Header)	010311F	010311F	010311F	010311F
	Access Panel Set -ASME				
	Access Panel Set (3 Pcs. for BR Header) - from 12/2019	017967F	017967F	017967F	017967F
	Access Panel Set (3 Pcs. for CI Header) - prior to 12/2019	010312F	010312F	010312F	010312F
5-S	Jacket Side Panel Right	010313F	010313F	010313F	010313F
6-S	Jacket Side Panel Left	010314F	010314F	010314F	010314F
7-S	Jacket Rear Panel (2 Pcs.)	010315F	010316F	010317F	010318F
8-S	Poolstat Cover/Lock	009505	009505	009505	009505
9-S	High Limit Cover - prior to 12/2019	010319F	010319F	010319F	010319F
10-S	Base Heat Shield - prior to 10/2019	010320F	010320F	010320F	010320F

CALL OUT	DESCRIPTION	207A	266L/267A	337A	399L/407A
11-S	Up Front Control Panel				
	Green	010321F	010322F	010323F	010324F
	Cool Dark Gray	013887F	013888F	013889F	013890F
	Warm Dark Gray	013891F	013892F	013893F	013894F
12-S	High Limit Shield	010342F	010342F	010342F	010342F
13-S	Weather Shield	010325F	010326F	010327F	010328F
V	VENTING				
1-V	Indoor Drafthood Kit (Includes inner stack adapter panel)	009838	009839	009840	009841
	Outdoor Drafthood Kit (Includes inner stack adapter panel)	009834	009835	009836	009837
2-V	Inner Stack Adapter	010330F	010331F	010332F	010333F
4-V	Outer Stack Adapter	011461F	011462F	011463F	011464F
3-V	Outdoor Stackless Top				
	Cool Dark Gray	013883F	013884F	013885F	013886F
	Green	010334	010335	010336	010337
¹ FOR INSTALLATIONS AT/OVER 5,000 FEET ABOVE SEA LEVEL, CONSULT THE FACTORY					
² WARNING: The Hydraulic conditions or water chemistry that caused the tube bundle to fail have very likely also damaged the bypass valve and Unitherm Governor. We recommend you replace the Unitherm Governor and inspect the bypass assembly. Failure to do so could cause premature failure of this replacement part.					
³ Unless otherwise specified at the time the order is placed, replacement burner trays will be configured for natural gas at sea level.					

PROFESSIONAL GAS

POOL & SPA HEATER

408A

Features

- Durable indoor/outdoor jacket with stainless steel door.
- Flow switch and T&P gauge-standard.
- Self-protection technology with ProTek Shield™.
- 125# pressure relief valve included.
- 2" bronze headers/Cupro-Nickel finned tubes.
- Digital LCD for temperature control and heater settings.
- Stainless steel burner tray, base, flue collector.
- Microprocessor controls diagnostic readout and continuously monitors operational status.
- 3 year warranty.



Model No.	Part No.	MBTUH Input (kWh)	Gas Type	Elevation (ft.) *	Shipping Weight lbs.	
					w/Stackless Top	Indoor Draft Hood
Cupro-Nickel Heat Exchanger						
B-R408-EN-X #50	013731	399 (116.9)	Natural	0-2000	268	21
B-R408-EP-X #57	013732	399 (116.9)	Propane	0-2000	268	21

Designation for a Professional heater using propane gas is "EP"; a Professional heater using natural gas is "EN".

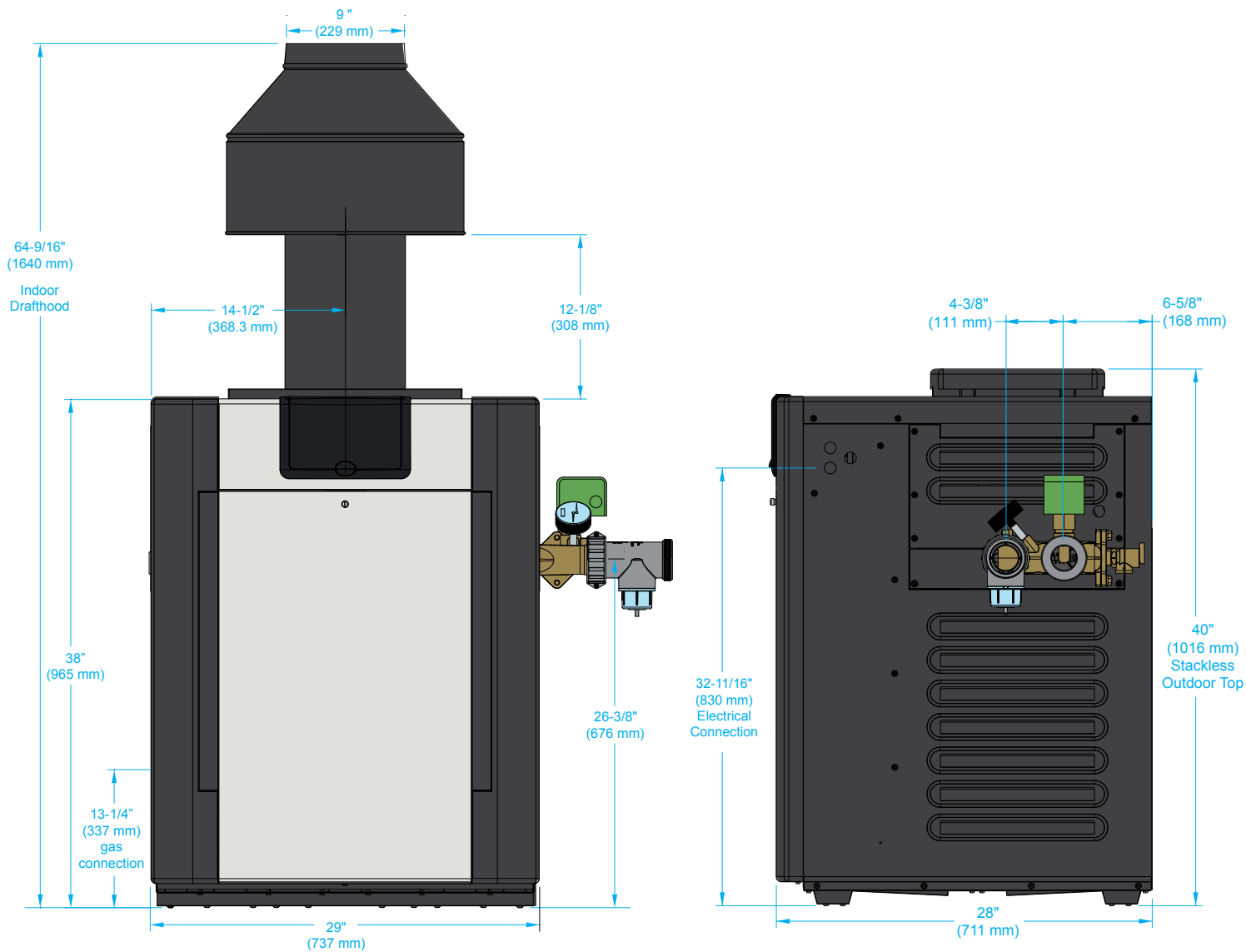
Prefix "B" is for bronze (ASME) headers.

Suffix "X" is for cupronickel tubing

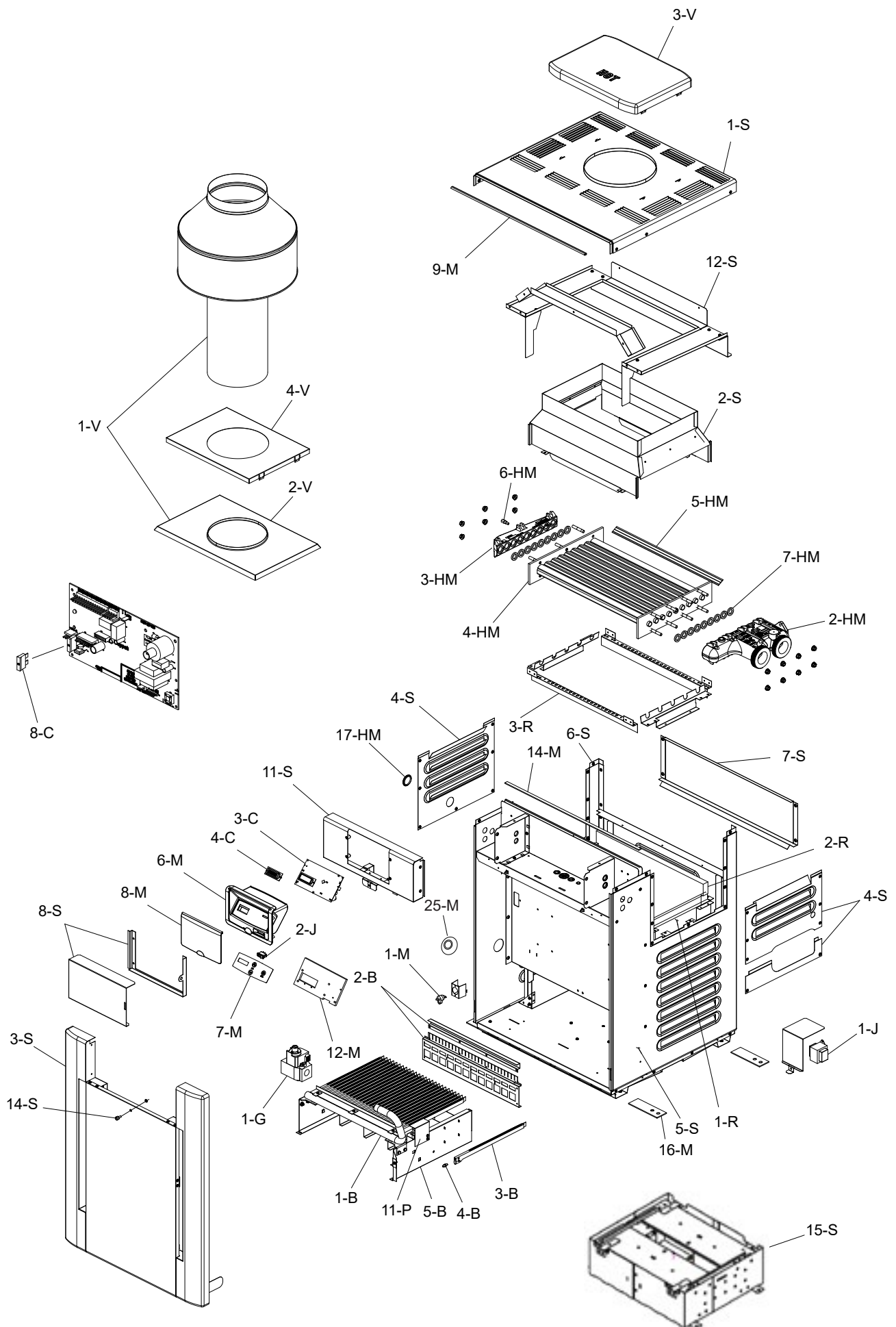
Example: B-R408A-EN-X = Bronze headers, 408 model size, digital, natural gas, cupronickel

Reduce input 4% for each 1000 feet above sea level when installed above 2000 feet elevation.

Heater can be installed directly on a combustible surface.



Heater Model	BTUH Input	Gas Conn.	Water Conn.	Amp Draw	
				120VAC	240VAC
R408A	399	3/4"	2"	4	2



CALL OUT	DESCRIPTION		408A
B	BURNER TRAY (Sea Level)¹ 0-2000 FT/PD		
1-B	NAT GAS (#50 ORIFICE)	Burner Tray w/Gas Valve Nat IID (sea level) ¹	010410F
	PROPANE (#57 ORIFICE)	Burner Tray w/Gas Valve Pro IID (sea level) ¹	010414F
2-B	Burner Spacer/Hold Down Kit		013805F
3-B	Burner (pack of 10)		100-10000414/3
4-B	Burner Orifice [TO BE ORDERED BASED ON RATING PLATE AND ELEVATION]		
	NOTE: 408A unit consists of 27 orifices. Orifice kits are sold in quantities of 5.		
	Natural Gas		
	Burner Orifice #50 ¹	(0-1999 ft elevation)	350079F/27
	Burner Orifice #51 ¹	(2000-5999 ft elevation)	350080F/27
	Burner Orifice #52 ¹	(6000-8999 ft elevation)	350081F/27
	Propane Gas		
	Burner Orifice #57 ¹	(0-1999 ft elevation)	350083F/27
	Burner Orifice #58 ¹	(2000-5999 ft elevation)	350087F/27
	Burner Orifice #59 ¹	(3000-4999 ft elevation)	350350F/27
	Burner Orifice #60 ¹	(5000-6999 ft elevation)	350351F/27
5-B	Burner Tray w/o Manifold w/o burners		013807F
C	CONTROLS		
1-C	High Limit, Auto Reset, 135°F Deg Surface Mount - Units manufactured from 12/2019		006725F
4-C	P.C. Board/Control (3-Wire)		013464F
3-C	LCD Display		
	Units manufactured from 5/2011		013640F
8-C	P.C. Board/Fuse 5 AMP		013733F
6-C	Temperature Sensor IID Units		009577F
9-C	High Limit Auto Reset 160°F Surface Mount - Units manufactured from 12/2019		018304F
G	GAS VALVE		
1-G	Combination Gas Valve - Nat. IID		003900F
	Combination Gas Valve - Pro. IID		004306F
HM	HEAT EXCHANGER - METAL		
1-HM	Heat Exchanger Assy.Cupronickel BR ASME		
	Units manufactured from 12/2019		017990F
2-HM	Inlet/Outlet Header BR ASME Complete		
	Units manufactured from 12/2019		018293F
	Inlet/Outlet Header BR ASME (Header Only)		
	Units manufactured from 12/2019		018291F

CALL OUT	DESCRIPTION	408A
3-HM	Return Header BR ASME	
	Units manufactured from 12/2019	017973F
	Units manufactured prior to 12/2019	002451F
	Units manufactured from 12/2019	017981F
5-HM	Baffle	013816F
6-HM	Stud Bolt Kit	
	Units manufactured from 12/2019	017982F
7-HM	Header Gasket (9)	800014B
10-HM	Bypass Valve	016194F
12-HM	Drain Valve - 1/8" NPT	013793F
17-HM	Return Header Drain Plug & Cover	005264F
19-HM	Adapter CPVC 2"	005393F
20-HM	Sensor Adapter Digital Electronic	006714F
26-HM	Adapter - ProTek Shield (Includes 27-HM) from end of Q3 2020	018006F
27-HM	Nut - ProTek Shield Adapter - 2-Pc from end of Q3 2020	018007F
28-HM	U.G./Bypass Assembly - Units manufactured from 12/2019	018759F
29-HM	ProTek™ Shield Assembly - from end of Q3 2020	018766F
30-HM	ProTek™ Shield Adapter Assembly - from end of Q3 2020	018006F
31-HM	Bypass O-Ring - Units manufactured from 12/2019	016230F
J	CONTROL BOX	
1-J	Transformer 120/240/24V	006736F
2-J	Rocker Switch	009493F
M	MISCELLANEOUS COMPONENTS	
1-M	Thermal Fuse	005899F
6-M	PRV - 75 PSI	017957F
7-M	Deliming Kit - 5/8"	052871F
8-M	Wire/Harness IID	013817F
11-M	Control Bezel (Includes Switch Decal)	013491F
12-M	Switch/Decal-Membrane	013492F
13-M	Control Bezel Cover	009487F
14-M	Gasket Insulation (Swaybrace & Jacket Top)	010350F
15-M	Touch-up Paint	
	Cool Dark Gray	750256
16-M	Tie Down Bracket (Optional)	011636
19-M	Flow Switch	007142F
20-M	Flow Switch Paddle Kit	010026F
21-M	T & P Gauge - 0-200 PSI	014647F

CALL OUT	DESCRIPTION	408A
22-M	2" CPVC Connector (Outlet Plumbing)	
	Flanged Connection	015883F
23-M	2" CPVC Connector & Nut (2)	006723F
24-M	O-Ring (2)	006724F
18-M	P.C. Board Shield (Optional)	015557F
25-M	Gas Line Finish Flange	016160F
P	PILOT	
2-P	Pilot Nat & Pro IID	002003F
4-P	Pilot Orifice Nat. IID .020	003903F
	Pilot Orifice Pro. IID .012	004308F
7-P	Pilot Mounting Bracket IID	013791F
9-P	Pilot Tube	004078F
10-P	Hi Tension Wire IID with Pilot Electrode	N/A
11-P	Pilot Shield	010351F
R	REFRACTORY	
1-R	Refractory Common (Left and Right)	010088F
2-R	Refractory Uncommon (Front and Rear)	010092F
3-R	Refractory Retainer Kit	010390F
S	SHEET METAL	
1-S	Jacket Top (Louvered)	010050F
2-S	Flue Collector	013819F
3-S	Door Assy	013821F
14-S	Screw & Retainer	006744F
4-S	Access Panel Set - ASME	
	Access Panel Set (3 Pcs.) - Units manufactured from 12/2019	017967F
5-S	Jacket Side Panel Right	010376F
6-S	Jacket Side Panel Left	010377F
7-S	Jacket Rear Panel (2 Pcs.)	010375F
8-S	Poolstat Cover/Lock	009505
9-S	High Limit Cover	010319F
11-S	Up Front Control Panel	013823F
12-S	High Limit Shield	010342F
13-S	Weather Shield	013824F
15-S	Base Riser (Canada)	019444F

CALL OUT	DESCRIPTION	408A
V	VENTING	
1-V	Indoor Stack Kit (Includes inner adapter panel)	009841
	Outdoor Stack Kit (Includes inner adapter panel)	009837
2-V	Stack Adapter	010333F
4-V	Outer Stack Adapter	011464F
3-V	"Pagoda" Top	
	Cool Dark Gray	013886F
ATMOSPHERIC CONVERSION KITS*		
Gas Conversions		
Nat. to Pro. IID Pilot		**
Pro. to Nat. IID Pilot		**
* Gas conversions are to be done only by a qualified agency.		
** Conversion must be made with complete burner tray and gas valve (see item 1-B).		
¹ FOR INSTALLATION AT/OVER 2,000 FEET ABOVE SEA LEVEL, DERATE 4% PER 1,000 FEET ABOVE SEA LEVEL. Refer to the heater's rating plate.		
WARNING: The Hydraulic conditions or water chemistry that caused the tube bundle to fail have very likely also damaged the bypass valve and Unitherm Governor. We recommend you replace the Unitherm Governor and inspect the bypass assembly. Failure to do so could cause premature failure of this replacement part.		

D2 POWER VENT

206A, 207A, 266A, 267A, 268, 336A, 337A, 406A, 407A, 408 (ELECTRONIC IGNITION MODELS ONLY)

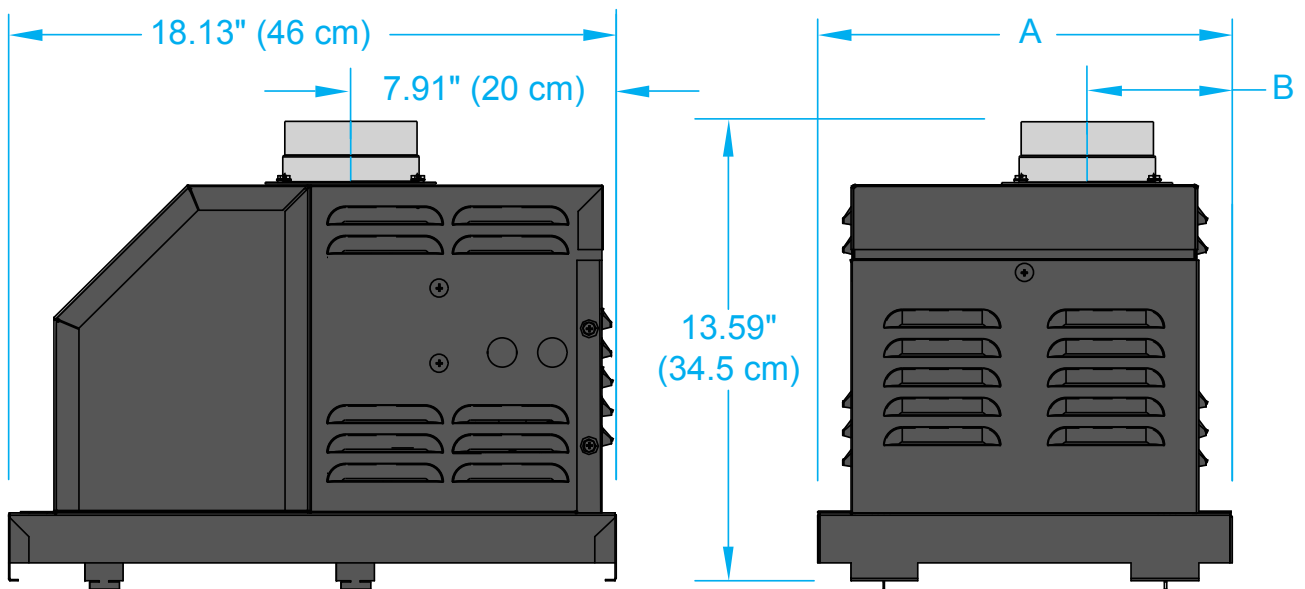
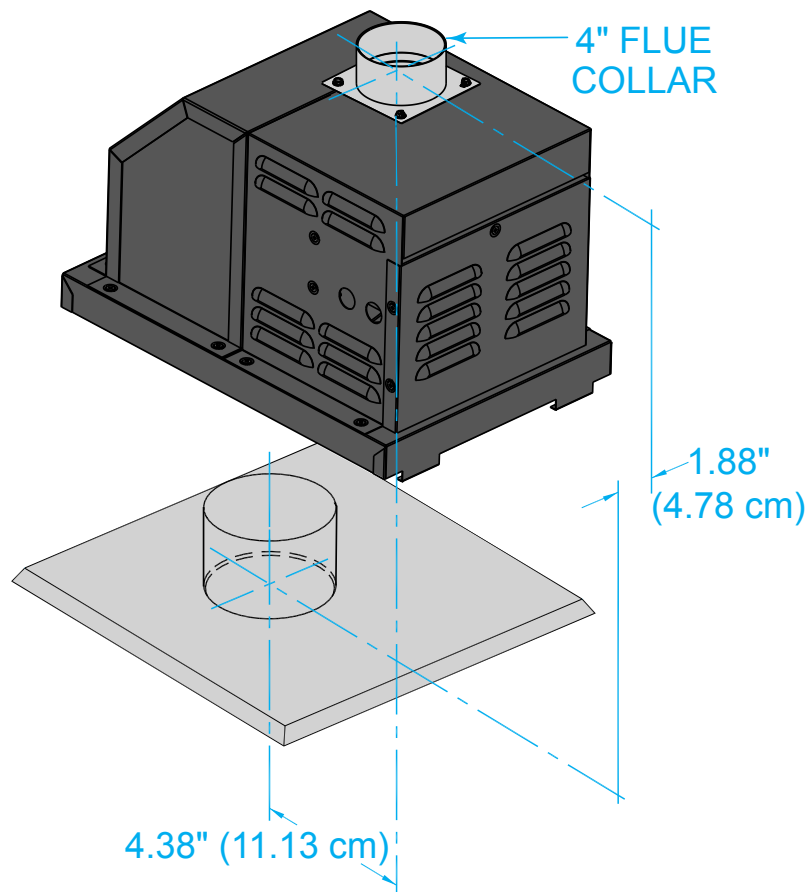
About

The D-2 Power Vent is a fan-assisted combustion system designed for application to heater models 206 through 408. When installed as directed, the unit is capable of operating in applications such as through-the-wall venting and reduced horizontal and vertical Category III flue pipe sizes in new and existing installations.

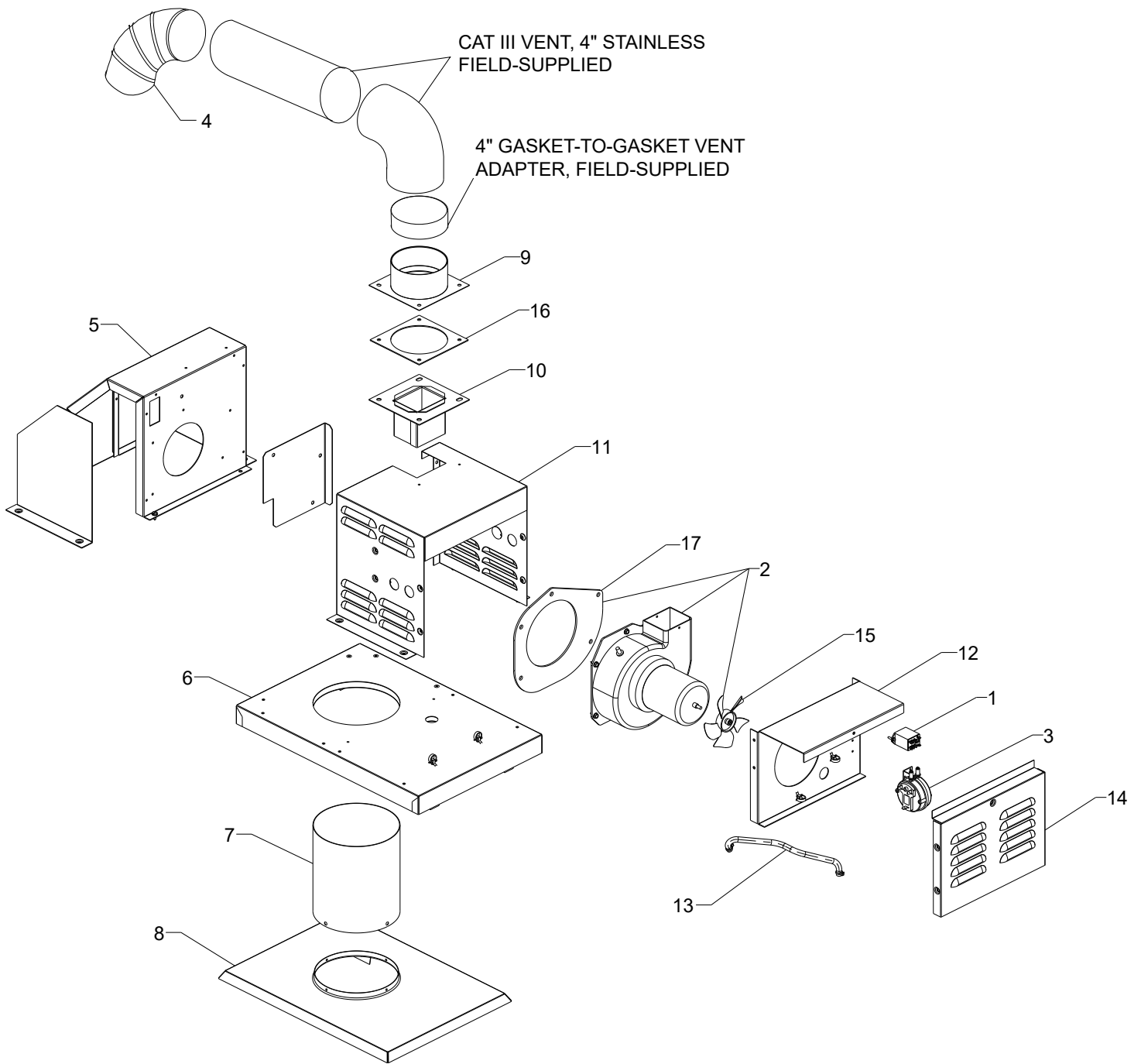
The D-2 Power Vent includes a blower with a 120/240 volt 60Hz 1.95/1.0A 3200 RPM motor and a plenum, complete with a draft proving switch and a motor relay.



Model No.	Factory Wired	Part No.
206/207 - 266/267/268	240 VAC	009832
336/337 - 406/407/408	240 VAC	009833
206/207 - 266/267/268	120 VAC	010744
336/337 - 406/407/408	120 VAC	010745



Heater Model	A	B
206/207, 266/267/268	12.31"	4.31"
336/337, 406/407/408	18.31"	7.31"



CALL OUT	DESCRIPTION	206/207	266/267/268	336/366	406/407/408
1	DPDT Relay	008784F	008784F	008784F	008784F
2	Blower	008156F	008156F	008156F	008156F
15	Blower Cooling Fan	011549F	011549F	011549F	011549F
17	Gasket	016000F	016000F	016000F	016000F
3	N.O. Air Pressure Switch	008062F	008062F	008135F	008135F
4	4"-90° Elbow w/Screen	010827F	010827F	010827F	010827F
5	Combustion Flue Bo				
	Green	008682F	008682F	008683F	008683F
	Cool Dark Gray	013854F	013854F	013855F	013855F
6	Base Assembly	010821F	010821F	010822F	010822F
7	Flue Collar	008686F	008686F	008686F	008686F
8	Flue Adapter	010823F	010823F	010824F	010824F
9	4" Flange	008689F	008689F	008689F	008689F
16	Seal Gasket	015040F	015040F	015040F	015040F
10	Blower Adapter				
	Green	008690F	008690F	008690F	008690F
	Cool Dark Gray	013858F	013858F	013858F	013858F
11	Control Cover				
	Green	008691F	008691F	008691F	008691F
	Cool Dark Gray	013856F	013856F	013856F	013856F
12	Control Swaybrace	008692F	008692F	008692F	008692F
13	Silicone Hose	008693F	008693F	008693F	008693F
14	Front Panel				
	Green	008694F	008694F	008694F	008694F
	Cool Dark Gray	013857F	013857F	013857F	013857F

X94 PROFESSIONAL

POOL & SPA HEATER 410

Features

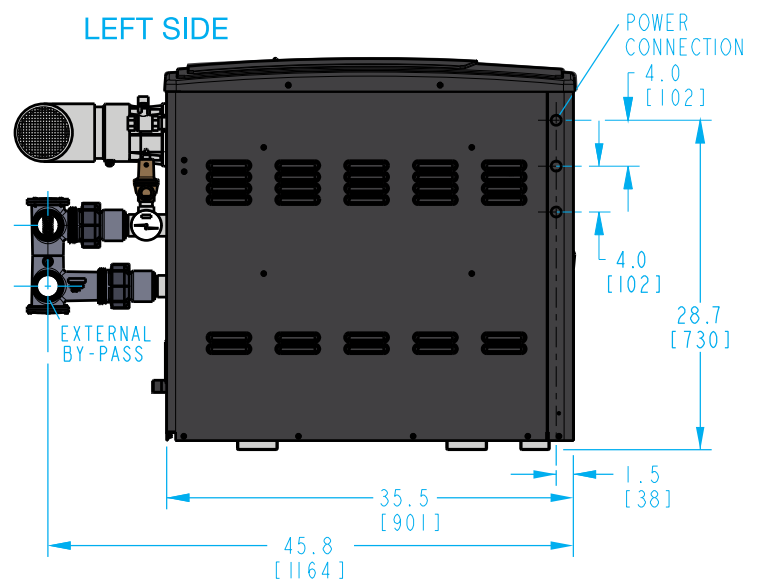
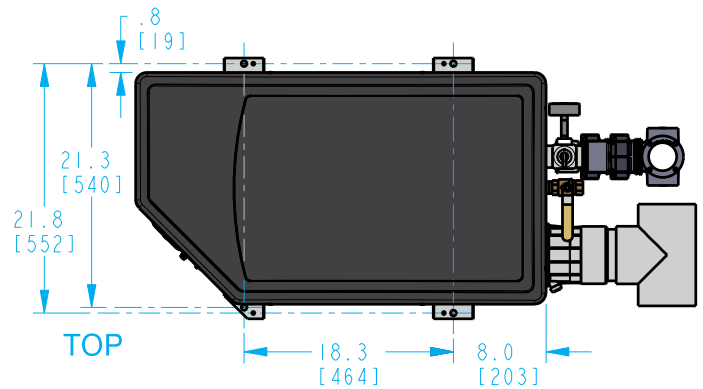
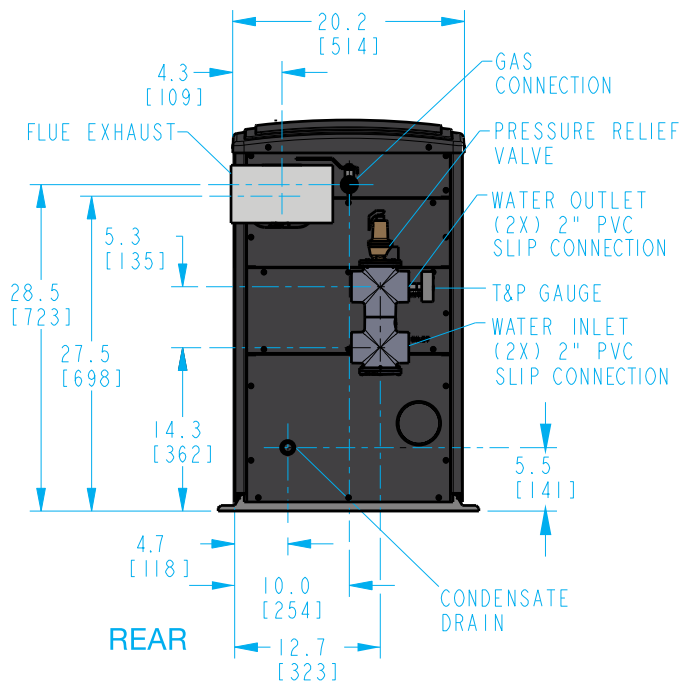
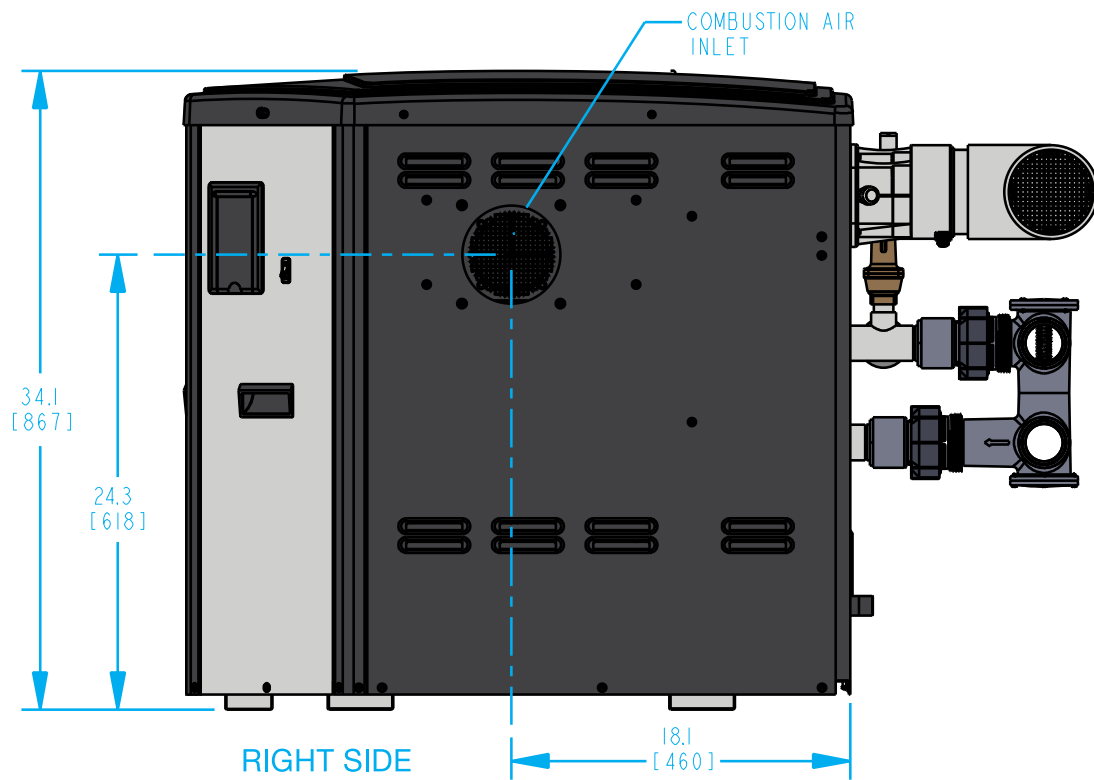
- 94% thermal efficiency.
- ASME stainless steel heat exchanger.
- Small footprint.
- External bypass.
- Cat IV vent - PVC, CPVC, Polypropylene, Stainless.
- T&P and flow switch standard.
- All connections on rear.
- Easily nest units together.
- 3 year warranty.
- Used in residential or commercial applications.
- Low NO_x

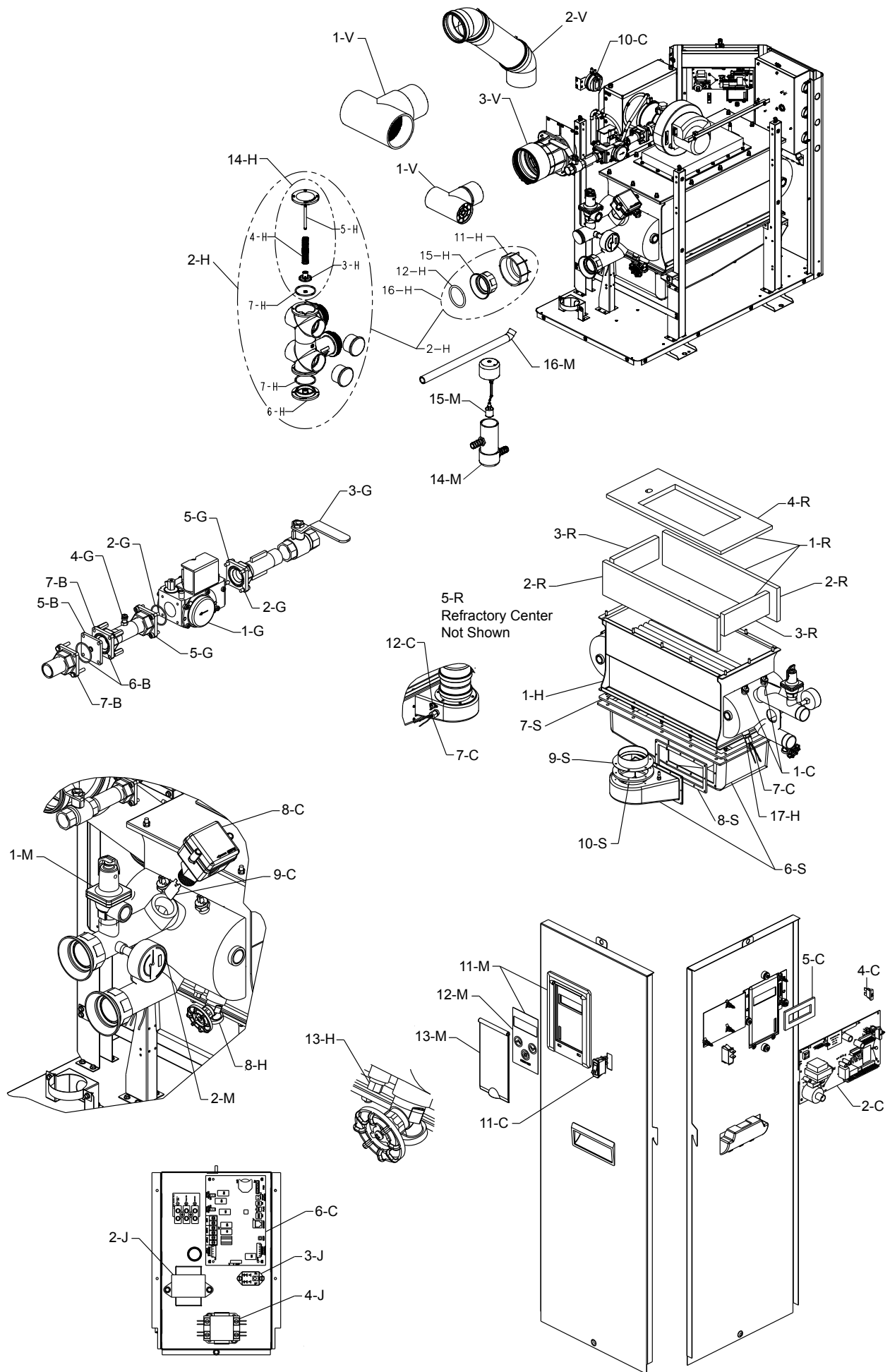


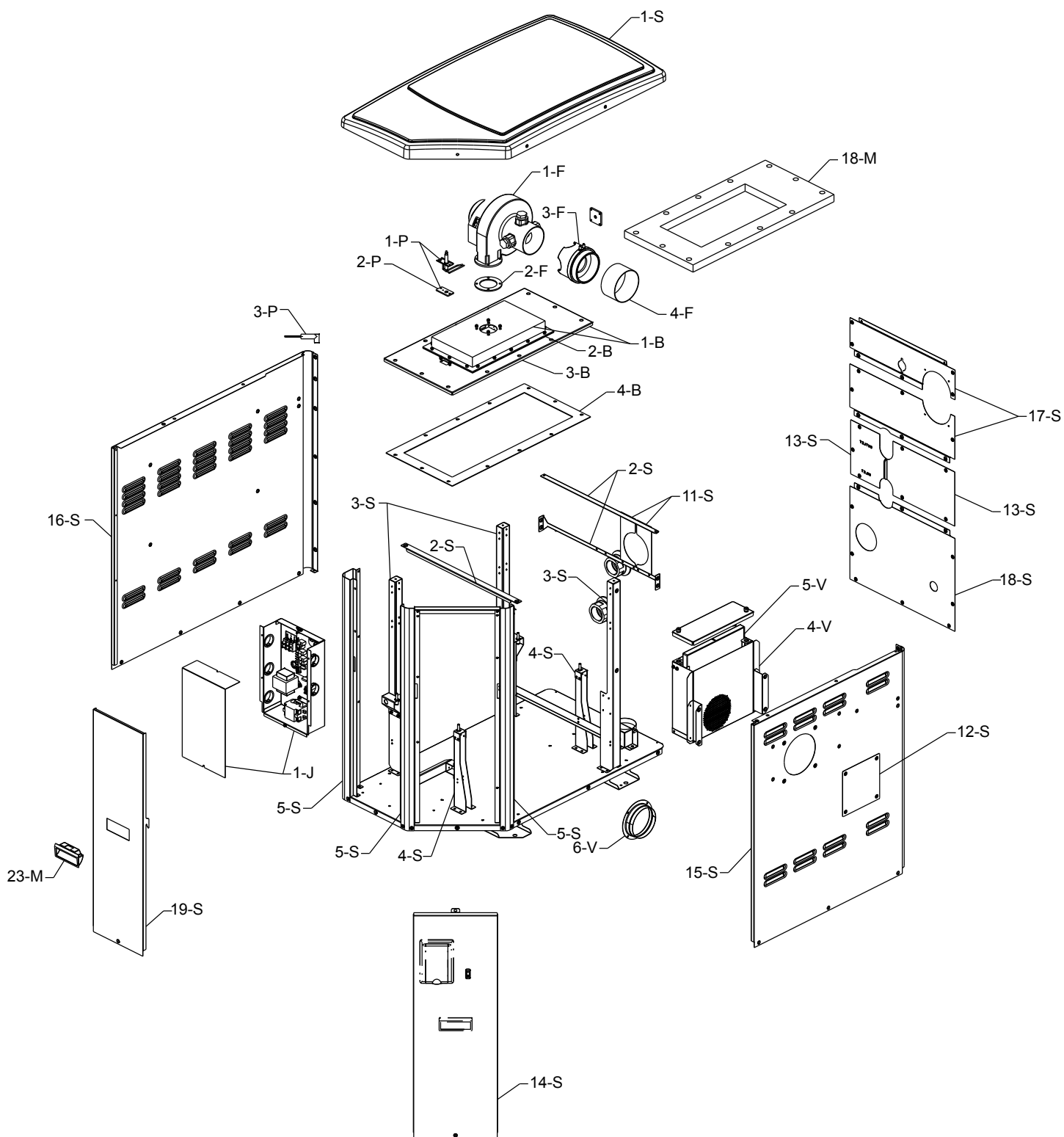
Model	Part No.	Gas Type	Elevation (ft.) *	Shipping Weight lbs.
S-R410-EN ASME	014280	Natural	0-4500	300
S-R410-EP ASME	014281	Propane	0-4500	300

X94 Professional 410 Options

Model	Part No.	Description	Shipping Weight lbs.
D-11: Vent Termination Tee			
410	015361	Stainless Steel Tee 4"	5
410	015451	PVC Tee 4"	5
Z-12: Condensate Treatment Kit			
410	100-10002839	600 (MBH)	5







CALL OUT	DESCRIPTION	410
B	BURNER	
1-B	Burner	015449F
2-B	Gasket Seal	N/A
3-B	Burner Mounting Plate	N/A
4-B	Burner Plenum Gasket	015450F
5-B	Gas Orifice Natural (0-4,500 Ft)*	015452F
	Gas Orifice Propane (0-4,500 Ft)*	015453F
7-B	Gas Orifice Flange	015961F
6-B	Flange O-Ring	014089F
C	CONTROLS	
1-C	Thermostat Auto Reset 135 Deg	600892B
2-C	P. C. Board/Ignition	100-10000719
4-C	Fuse 5 AMP	013733F
5-C	Seal Gasket	014866F
6-C	P. C. Board Digital Control	015454F
7-C	Temperature Sensor Water/Flue	009577F
8-C	Water Flow Switch	015115F
9-C	Flow Switch Paddle	015831F
10-C	Switch Air Pressure (Vent/Field)	010354F
11-C	Rocker Switch	009493F
12-C	Vent Temp Limit Switch	013428F
F	FAN	
1-F	Blower	015455F
2-F	Blower Gasket	015456F
3-F	Combustion Air Venturi Adapter	015457F
4-F	Hose Duct 4" (Plastic)	015519F
5-F	Combustion Air Flange (not shown)	015527F
G	GAS VALVE	
1-G	Combination Valve - Nat.	013942F
	Combination Valve - Pro.	013942F
5-G	Inlet/Outlet Flange	015960F
2-G	Gas Valve Flange O Ring Seal	014089F
3-G	Manual "A" On/Off Valve	013208F
4-G	Bleedle Valve 1/8 NPT	007423F

CALL OUT	DESCRIPTION	410
H	HEAT EXCHANGER	
1-H	Heat Transfer	015458F
13-H	Pipe Plug Brass 1/4" NPT	015726F
2-H	Bypass Manifold	015459F
6-H	Bypass Cap	015462F
8-H	Drain Valve	013475F
14-H	Bypass Valve Assy	016903F
3-H	Bypass Valve	006716F
4-H	Bypass Spring	015460F
5-H	Bypass Shaft	015461F
7-H	O-Ring Bypass Cap	015463F
15-H	Swivel Adapter 1-1/2"	015988F
16-H	CPVC Nut, Swivel Adapter, O-Ring (Includes 11-H, 12-H & 15-H)	015950F
11-H	CPVC Nut	N/A
12-H	O-Ring Adapter	015466F
17-H	Sensor Adapter	006714F
J	CONTROL BOX	
1-J	Control Box	N/A
2-J	Transformer 120/240/24V	014404F
3-J	Blower Relay DPDT 24V	011720F
4-J	Pump Contactor	009860F
*FOR INSTALLATIONS OVER 4,500 FEET ABOVE SEA LEVEL, DERATE 4% PER 1,000 FEET ABOVE SEA LEVEL. CONSULT FACTORY.		

CALL OUT	DESCRIPTION	410
M	MISCELLANEOUS COMPONENTS	
1-M	PRV 75 PSI	007223F
2-M	T & P Gauge	014647F
3-M	Wire Harnesses (All Unit Harnesses)	015467F
4-M	Cabinet Harness	015468F
5-M	Blower Harness 120V	015469F
6-M	Gas Valve Harness	015470F
7-M	High Limit / Flow Switch Harness	015471F
8-M	Condensate Float Switch Harness	015472F
9-M	Pump Contactor Harness	015555F
10-M	Blower/Relay Harness	015554F
11-M	Control Bezel (Includes Switch Decal)	014886F
12-M	Switch/Decal-Membrane	014887F
13-M	Control Bezel Cover	014888F
14-M	Condensate Trap	015473F
15-M	Condensate Float Switch NC	013947F
16-M	Condensate Hose	013948F
17-M	Condensate Neutralizer (Not Shown)	100-10002839
18-M	Insulation Blanket	015474F
20-M	Touch-up Paint Cool Dark Gray (Not Shown)	750256
21-M	RTV Sealant 2.8 oz. (Not Shown)	008924F
22-M	Clear Silicone Sealant 10 oz	015421F
23-M	Plastic Handle	012681F
P	PILOT	
1-P	Ignitor Direct Spark	015475F
2-P	Ignitor Gasket	015476F
3-P	Hi Tension Wire	014126F
R	REFRACTORY	
1-R	Refractory (All Panels)	015477F
2-R	Refractory Left & Right	015478F
3-R	Refractory Front & Rear	015479F
4-R	Refractory Top	015480F
5-R	Refractory Center	017174F

S	SHEET METAL / CABINET	
1-S	Jacket Top	015481F
2-S	Upper Cabinet Supports	015482F
3-S	Vertical Supports	015483F
4-S	Heat Transfer Vertical Supports	015484F
5-S	Vertical Cabinet Supports	015485F
6-S	Flue Collector	015486F
7-S	Flue Collector Seal Gasket	015487F
8-S	Flue Collector Outlet Gasket	015488F
9-S	Flue Exhaust Inlet Collar	015489F
10-S	Flue Exhaust Inlet Gasket	015490F
11-S	Flue Exhaust Outlet Support Bracket	015491F
12-S	Access Panel Intake Air	015521F
13-S	Access Panels Inlet/Outlet	015492F
14-S	Jacket Control Mounting Panel	015493F
15-S	Jacket Front Panel	015494F
16-S	Jacket Rear Panel	015495F
17-S	Jacket Side Panel Upper Right	015496F
18-S	Jacket Side Panel Lower Right	015497F
19-S	Jacket Side Panel Left	015498F
V	VENTING/INTAKE AIR	
1-V	Outdoor Vent Termination Tee	
	PVC Venting	015451
	Polypropylene Venting	N/A
	Stainless Steel Venting	015361
2-V	Flue Exhaust Polypropylene Pipe Assy	015507F
3-V	Flue Exhaust Adapter 4" (PVC, Polypropylene, or Stainless Steel)	015508F
4-V	Intake Air Filter Box	015520F
5-V	Air Filter Media	013290F
6-V	Intake Air Connection Flange (if required)	015527F
CONVERSION KITS*		410
Nat. to Pro.		015502F
Pro. to Nat.		015503F
Decal		100-10001010
* Gas conversions are to be done only by a qualified agency.		

ABOVE GROUND

ANALOG

POOL & SPA

HEATER

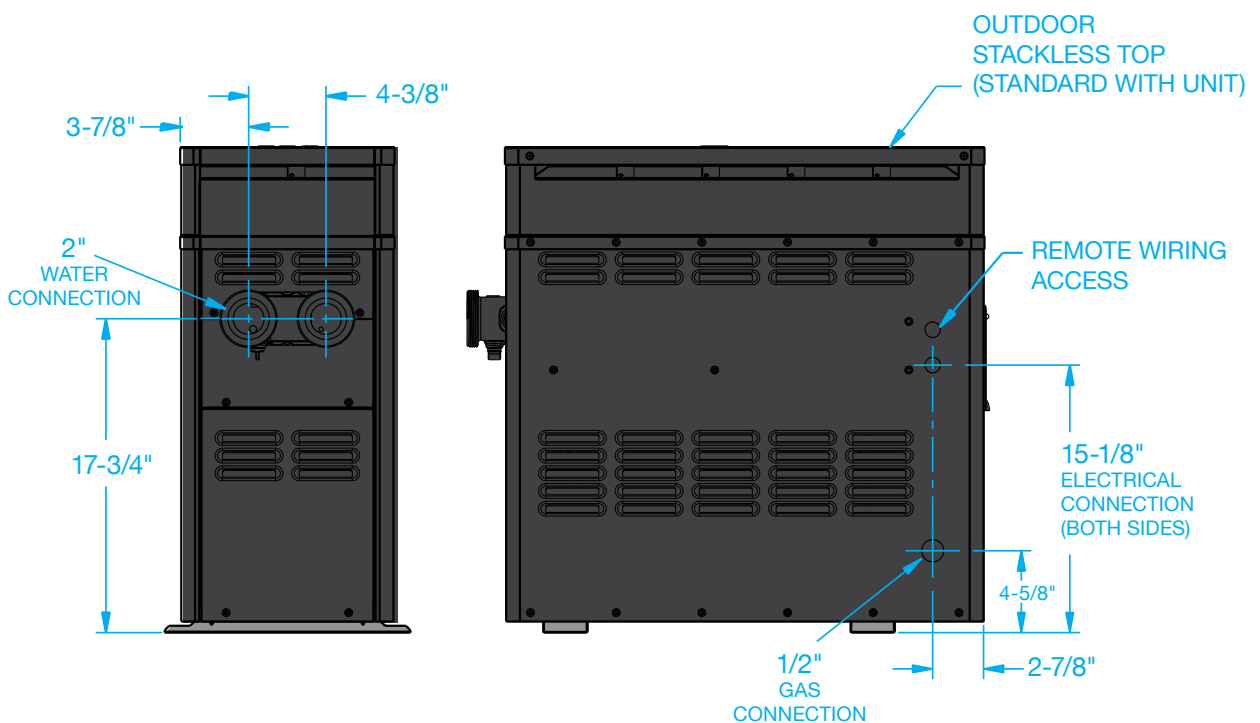
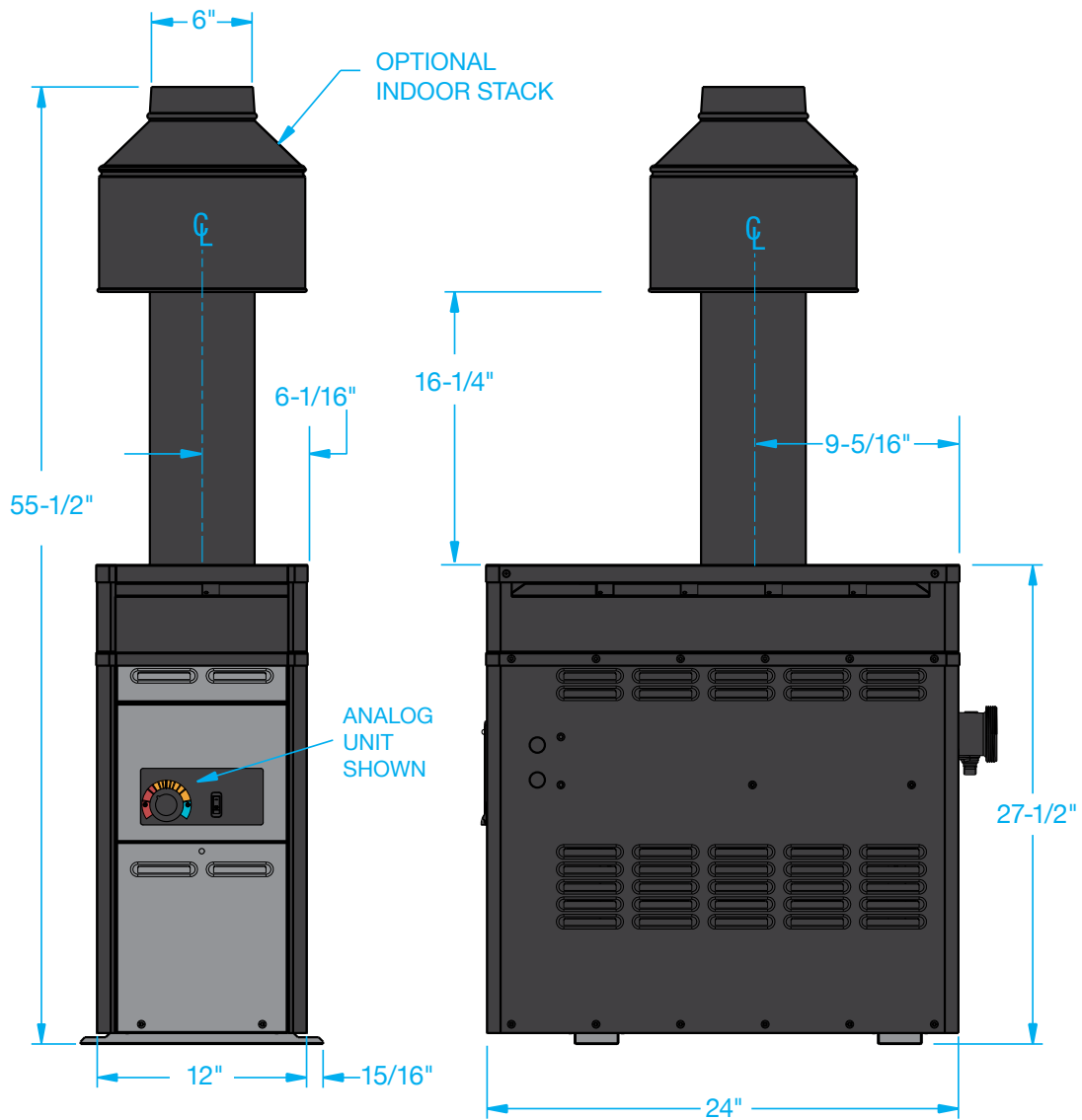
106A

Features

- Pool, Spa or above-ground pool heater.
- 105,000btu Input.
- Natural or propane gas.
- Completely field serviceable.
- Small footprint (2 square feet).
- 120V power cord, 3-prong connection.
- Automatic water bypass.
- Analog thermostat.
- 2 year warranty.



Model	Part No.	Gas Type	Elevation (ft.) *	Shipping Weight lbs. (kg)
P-R106A-AN-C	014779	Natural	0-4999	85
P-R106A-AN-C	014780	Natural	5000-9999	85
P-R106A-AP-C	014781	Propane	0-1999	85
P-R106A-AP-C	014782	Propane	2000-3999	85
P-R106A-AP-C	014783	Propane	4000-6999	85
P-R106A-AP-C	015102	Propane	7000-10000	85



ABOVE GROUND

DIGITAL

POOL & SPA

HEATER

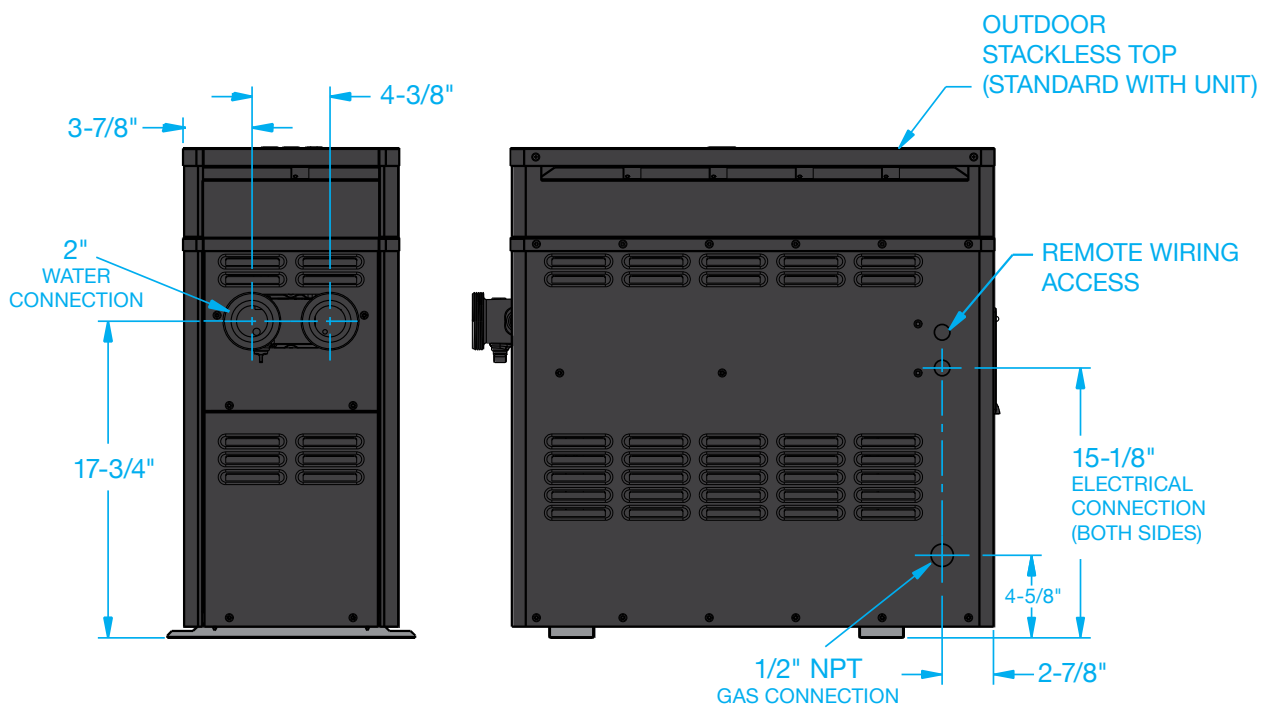
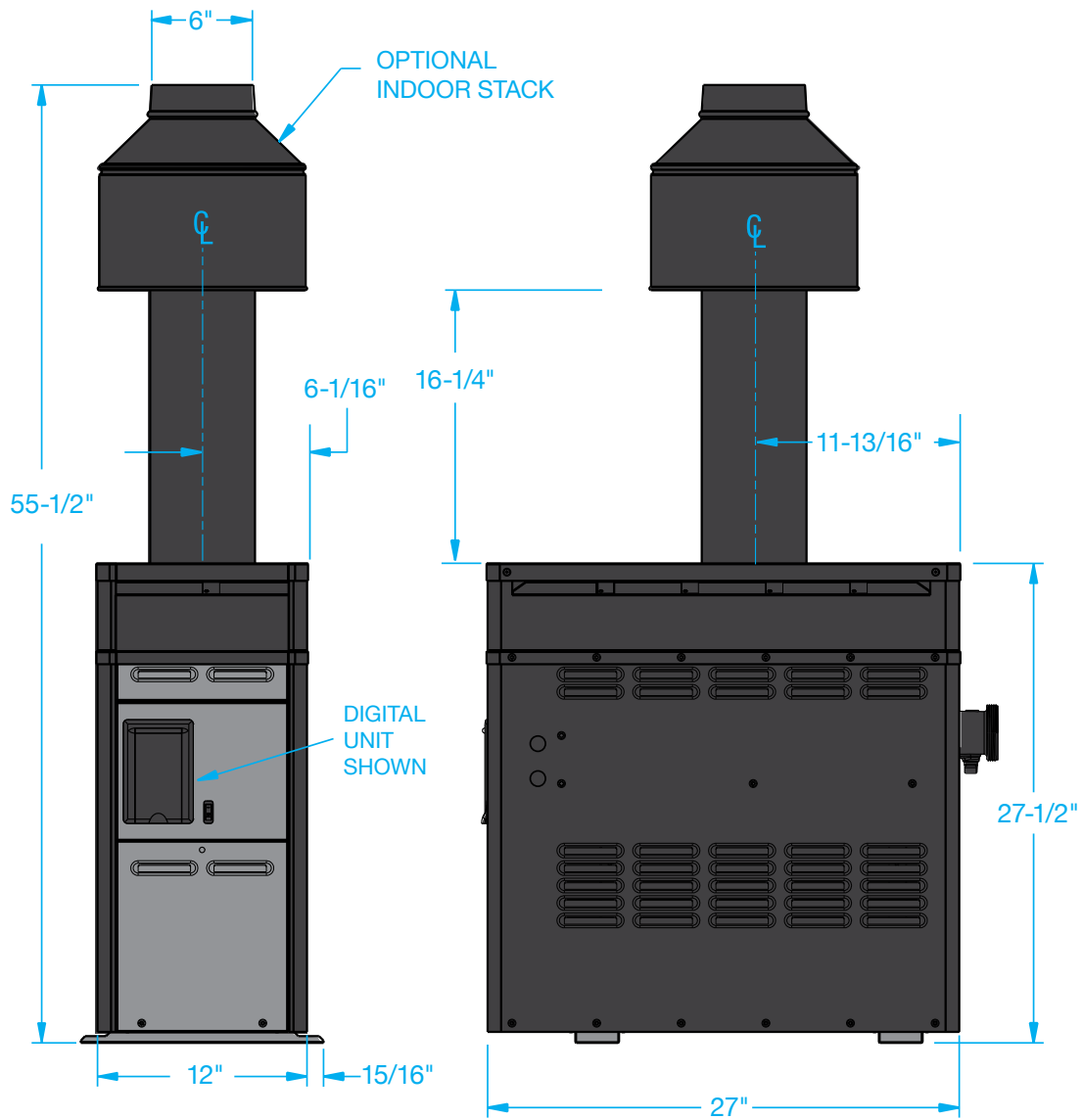
156A

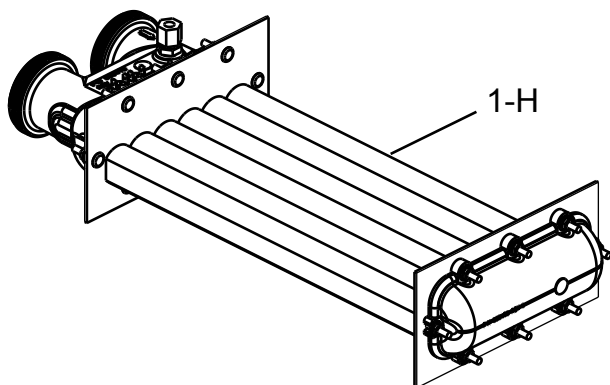
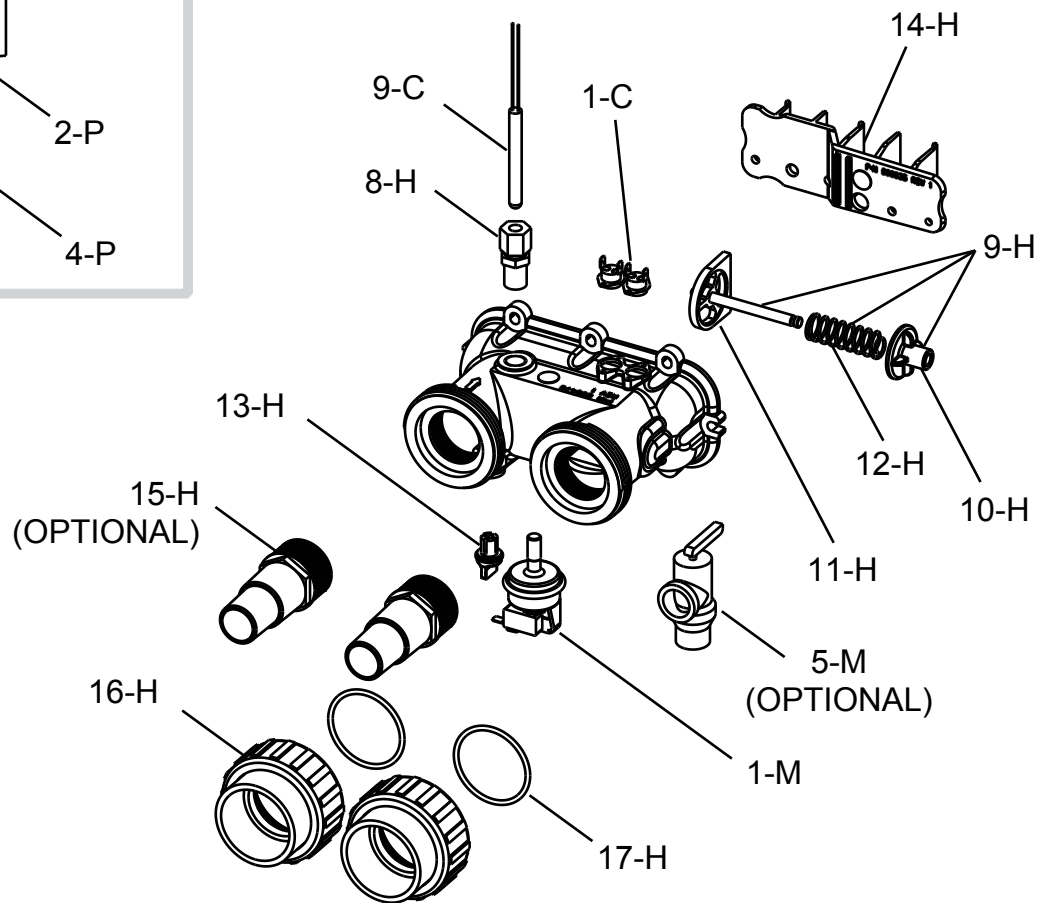
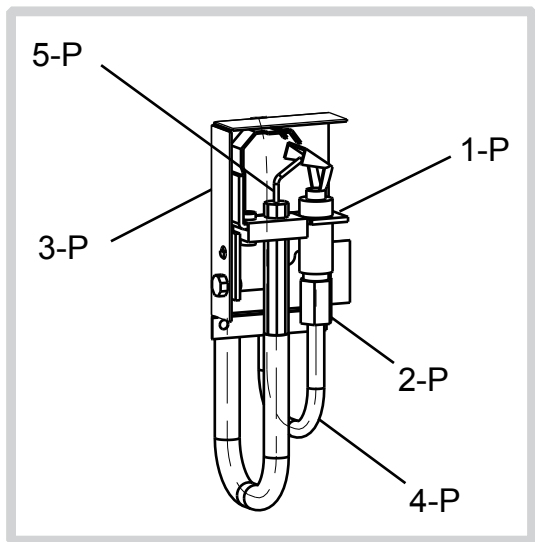
Features

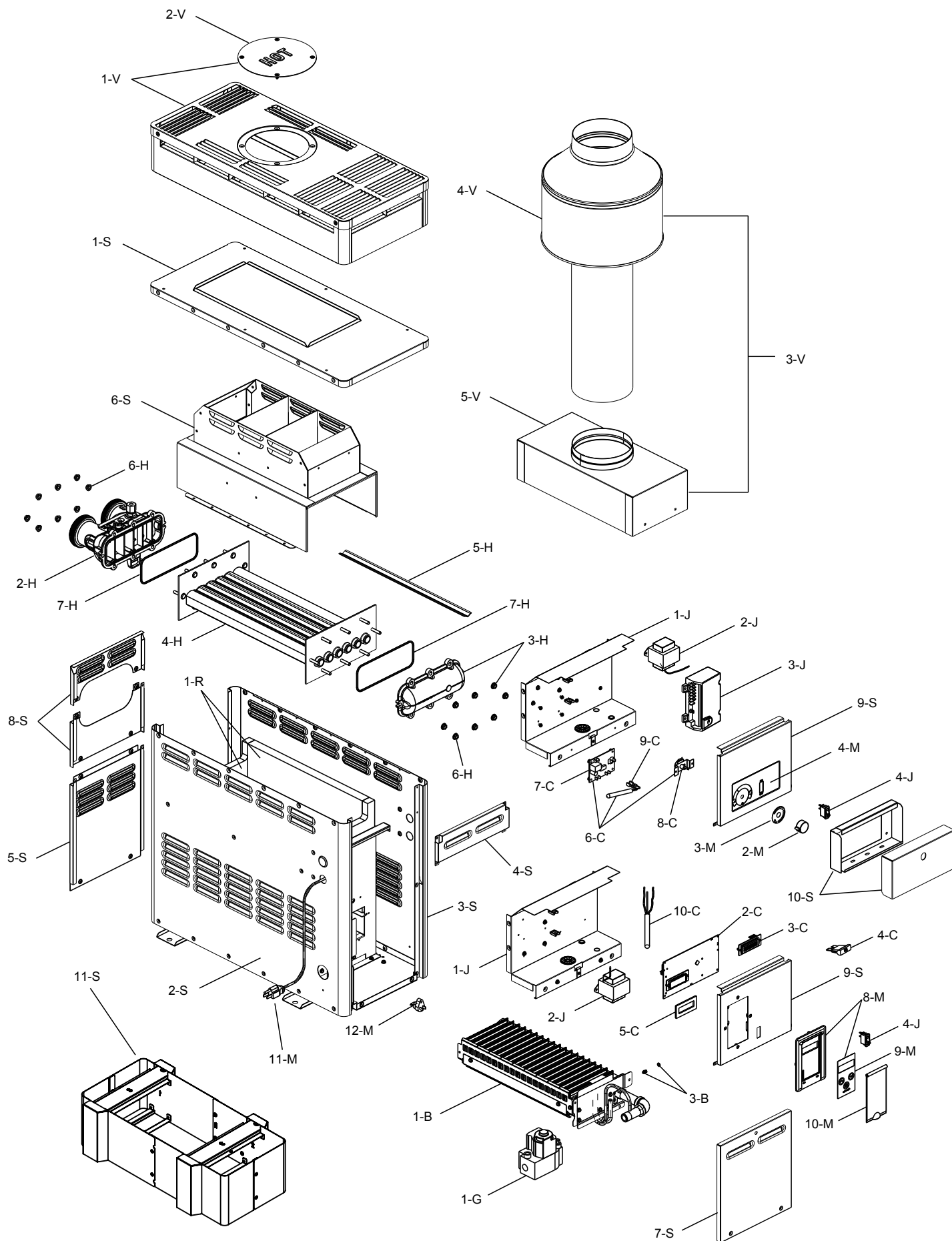
- Pool or Spa heater.
- 150,000btu Input.
- Natural or propane gas.
- Completely field serviceable.
- Small footprint (2.25 square feet).
- 120V power cord, 3-prong connection.
- Automatic water bypass.
- Digital thermostat.
- 2 year warranty.



Model	Part No.	Gas Type	Elevation (ft.) *	Shipping Weight lbs. (kg)
P-R156A-EN-C	014784	Natural	0-4999	100
P-R156A-EN-C	014785	Natural	5000-9999	100
P-R156A-EP-C	014786	Propane	0-1999	100
P-R156A-EP-C	014787	Propane	2000-3999	100
P-R156A-EP-C	014788	Propane	4000-6999	100
P-R156A-EP-C	015103	Propane	7000-10000	100







CALL OUT	DESCRIPTION	106A	156A
B	BURNER TRAY		
1-B	Burner Tray (Sea Level) ¹		
	Natural Gas	014841F	014842F
	Propane Gas	014845F	014846F
	Burner Tray w/Gas Valve (Sea Level) ¹		
	Natural Gas	014849F	014850F
	Propane Gas	014853F	014854F
2-B	Burner	N/A	N/A
3-B	Burner Orifice (Sea Level) ¹		
	Natural 1.30mm	014857F/13	014858F/19
	Propane .84mm	014861F/13	014862F/19
C	CONTROLS		
1-C	Thermostat Auto Reset 135° Surface Mount	006725F	006725F
2-C	P.C. Board/Control (Digital)	N/A	100-10000345
3-C	LCD Display (For units Manufactured up to 1/2023)	N/A	013640F
4-C	Fuse 5 AMP	N/A	013733F
5-C	Seal Gasket	N/A	014866F
6-C	Thermostat Control (Analog)	011585F	N/A
7-C	P.C. Board	014923F	N/A
8-C	Potentiometer	011586F	N/A
9-C	Temperature Sensor Analog (2-Wire)	011587F	N/A
10-C	Temperature Sensor Digital (3-Wire)	N/A	009577F
G	GAS VALVE		
1-G	Combination Valve Nat.	014867F	014867F
	Combination Valve Pro.	014868F	014868F
H	HEAT EXCHANGER		
1-H	Heat Exchange Assy Copper	014869F	014870F
2-H	Inlet/Outlet Header Complete	011594F	015547F
	Inlet/Outlet Header (Includes 6-H)	011595F	011595F
3-H	Return Header (Includes 6-H)	011596F	011596F
4-H	Tube Bundle Copper ²	014874F	014875F
5-H	Baffle (Cupronickel)	N/A	N/A
6-H	Flange Nut Kit	008259F	008259F
7-H	O-Ring Gasket (2)	011600F	011600F
8-H	Sensor Adapter	006714F	006714F
9-H	Bypass Kit	011601F	015548F
10-H	Bypass Valve	006716F	006716F
11-H	Bypass Dam / Shaft	006717F	006717F
12-H	Bypass Spring	011602F	011602F

CALL OUT	DESCRIPTION	106A	156A
13-H	Drain Plug	006721F	006721F
14-H	Inlet/Outlet Header Dam	014882F	014882F
15-H	Hose Adapter 1-1/2" MPT x 1-1/2" Hose (Optional)	011635	011635
16-H	2" CPVC Connector & Nut (2)	006723F	006723F
17-H	O-Ring Seal (2)	006724F	006724F
J	CONTROL BOX		
1-J	Control Box Analog (Includes 7-C)		
	Natural Gas	014883F	N/A
	Propane Gas	014913F	N/A
2-J	Transformer 120/240/24V		
	Analog	011605F	N/A
	Digital	N/A	006736F
3-J	Ignition Control Natural Gas (Analog)	004817B	N/A
	Ignition Control Propane Gas (Analog)	004818B	N/A
4-J	Rocker Switch	009493F	009493F
M	MISCELLANEOUS COMPONENTS		
1-M	Pressure Switch 1.75 PSI	006737F	006737F
	Pressure Switch 11 PSI Special-See Adj. in Service Manual	009133F	009133F
2-M	Thermostat Knob	009499F	009499F
3-M	Knob Stop	006886F	006886F
4-M	Dial Plate (Analog)	014912F	N/A
5-M	PRV 125 PSI (Optional)	008091F	008091F
6-M	Deliming Kit (not shown)	052871F	052871F
7-M	Wire Harness Analog (not shown)	014884F	N/A
	Wire Harness Digital (not shown)	N/A	014885F
8-M	Control Bezel Digital (Includes Switch Decal)	N/A	014886F
9-M	Switch/Decal-Membrane	N/A	014887F
10-M	Control Bezel Cover	N/A	014888F
11-M	Line Cord	011609F	011609F
12-M	Roll-Out Safety Switch	005899F	005899F
13-M	Touch-up Paint		
	Cool Dark Gray	100-10000534	100-10000534
	Warm Dark Gray	100-10000535	100-10000535
14-M	Gas Line Finish Flange	016160F	016160F

CALL OUT	DESCRIPTION	106A	156A
P	PILOT		
1-P	Pilot Nat.	002003F	002003F
	Pilot Pro.	002003F	002003F
2-P	Pilot Orifice Nat.	003903F	003903F
	Pilot Orifice Pro.	004308F	004308F
3-P	Pilot Mounting Bracket	014889F	014889F
4-P	Pilot Tube	004078F	004078F
5-P	Hi Tension Wire w/Pilot Electrode	N/A	N/A
R	REFRACTORY		
1-R	Refractory Kit	014890F	014891F
S	SHEET METAL		
1-S	Jacket Top	014892F	014893F
2-S	Jacket Left	014894F	014895F
3-S	Jacket Right	014896F	014897F
4-S	Jacket Upper Front	014898F	014898F
5-S	Jacket Lower Rear	014899F	014899F
6-S	Flue Collector	014900F	014901F
7-S	Door Panel		
	Raypak	014902F	014902F
	Rheem	014903F	014903F
	Ruud	014902F	014902F
8-S	Access Panels	014904F	014904F
9-S	Control Panel		
	Analog	014905F	N/A
	Digital	N/A	014906F
10-S	Control Cover		
	Analog	014778	N/A
	Digital	N/A	N/A
11-S	Base Riser (Canada Only)	019342F	019342F
V	VENTING		
1-V	Stackless Top (Outdoor)	014907F	014908F
2-V	Access Panel (Hot)	014909F	014909F
3-V	Drafthood w/Adapter (Indoor)	014357	014358
	Outdoor Stack w/Adapter (Outdoor)	014718	014719
4-V	Stack	N/A	N/A
5-V	Stack Adapter	014910F	014911F

CONVERSION KITS ³ For Altitudes Over 2,000 Feet Above Sea Level, Consult Factory.		106A	156A
Natural to Propane			
Copper Heat Exchange		014914F	014915F
Cupronickel Heat Exchanger		N/A	N/A
Propane to Natural			
Copper Heat Exchanger		014918F	014919F
Cupronickel Heat Exchanger		N/A	N/A
Decal		100-10001010	100-10001010
¹ FOR ALTITUDES ABOVE 2,000 FEET ABOVE SEA LEVEL, CONSULT THE FACTORY.			
² WARNING: The Hydraulic conditions or water chemistry that caused the tube bundle to fail have very likely also damaged the bypass valve. We recommend you inspect the bypass assembly. Failure to do so could cause premature failure of this replacement part.			
³ Gas Conversions are to be done only by a qualified agency.			

E3T[®]

ELECTRIC POOL & SPA HEATER 5.5-27KW

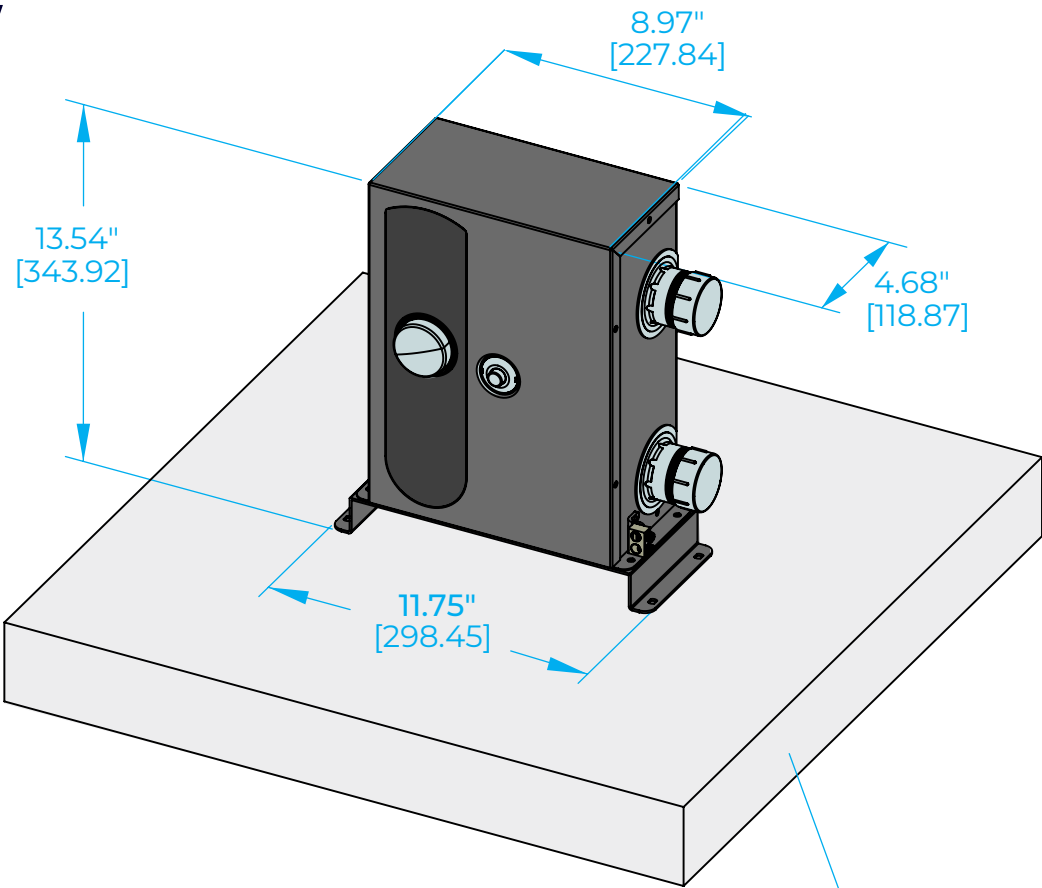
Features

- Titanium heating elements for better quality and longer performance.
- Durable against salt pool water conditions, standard on all models.
- Compact design and small footprint.
- Best-In-Class controls provide quick access to inlet and outlet temperature, flow rate, and code alerts.
- 2-wire connectors included for remote-operation.
- Flow Protection; prevents the unit from dry firing (15-60 GPM).
- Freeze Protection; if the Inlet temp reaches 32°F (0°C), the unit will shut down to prevent damage.
- Full size - full flow 1-1/2" or 2" plumbing connections.
- Designed for residential and commercial use.
- 1 year warranty

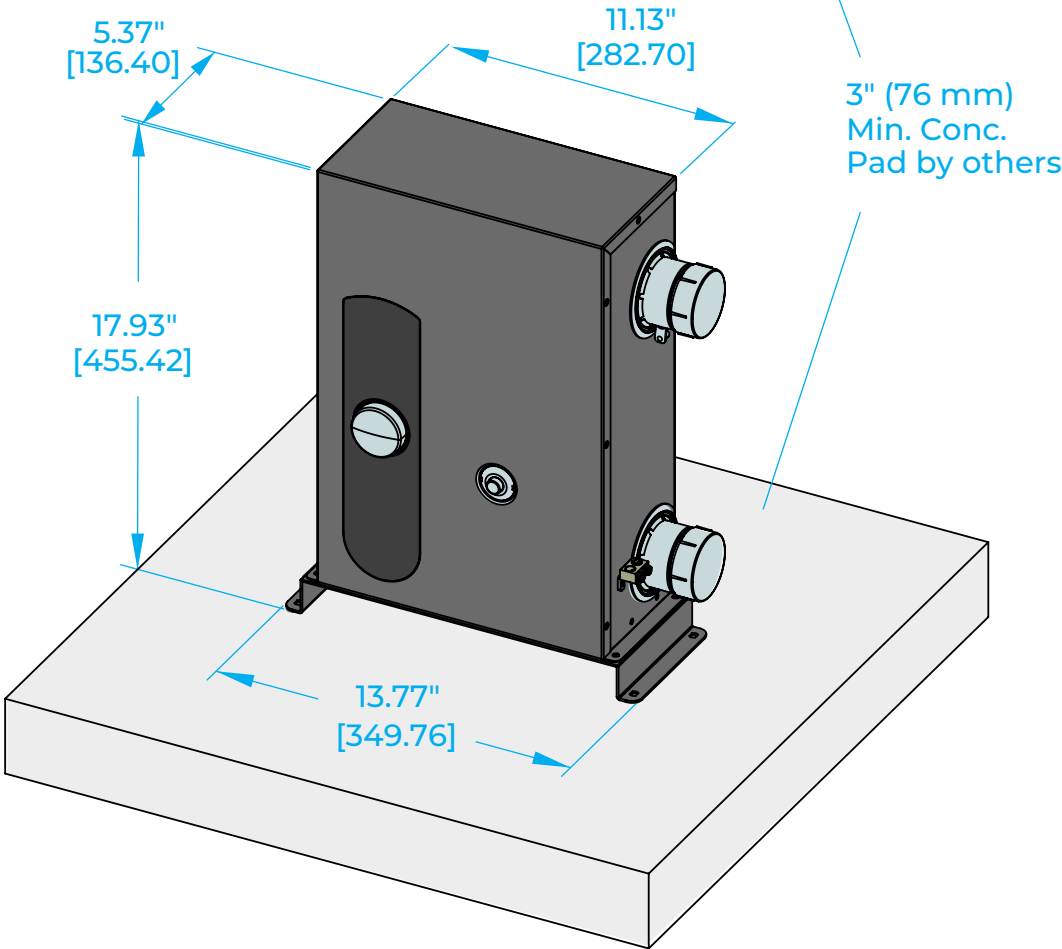


Model	Item Number	kW	BTU/hr	Voltage	Weight Lbs (kg)	Carton Qty (Unites)	Carton Ship Weight Lbs.
ELS 0005-1-TiB	100-10000662	5.5	18,772	240	14.3	3	65.3
ELS 0011-1-TiB	100-10000663	11	37,543	240	15	3	67.3
ELS 0018-1-TiB	100-10000665	18	61,419	240	24.7	2	71
ELS 0027-1-TiB	100-10000666	27	92,128	240	25.9	2	73.5

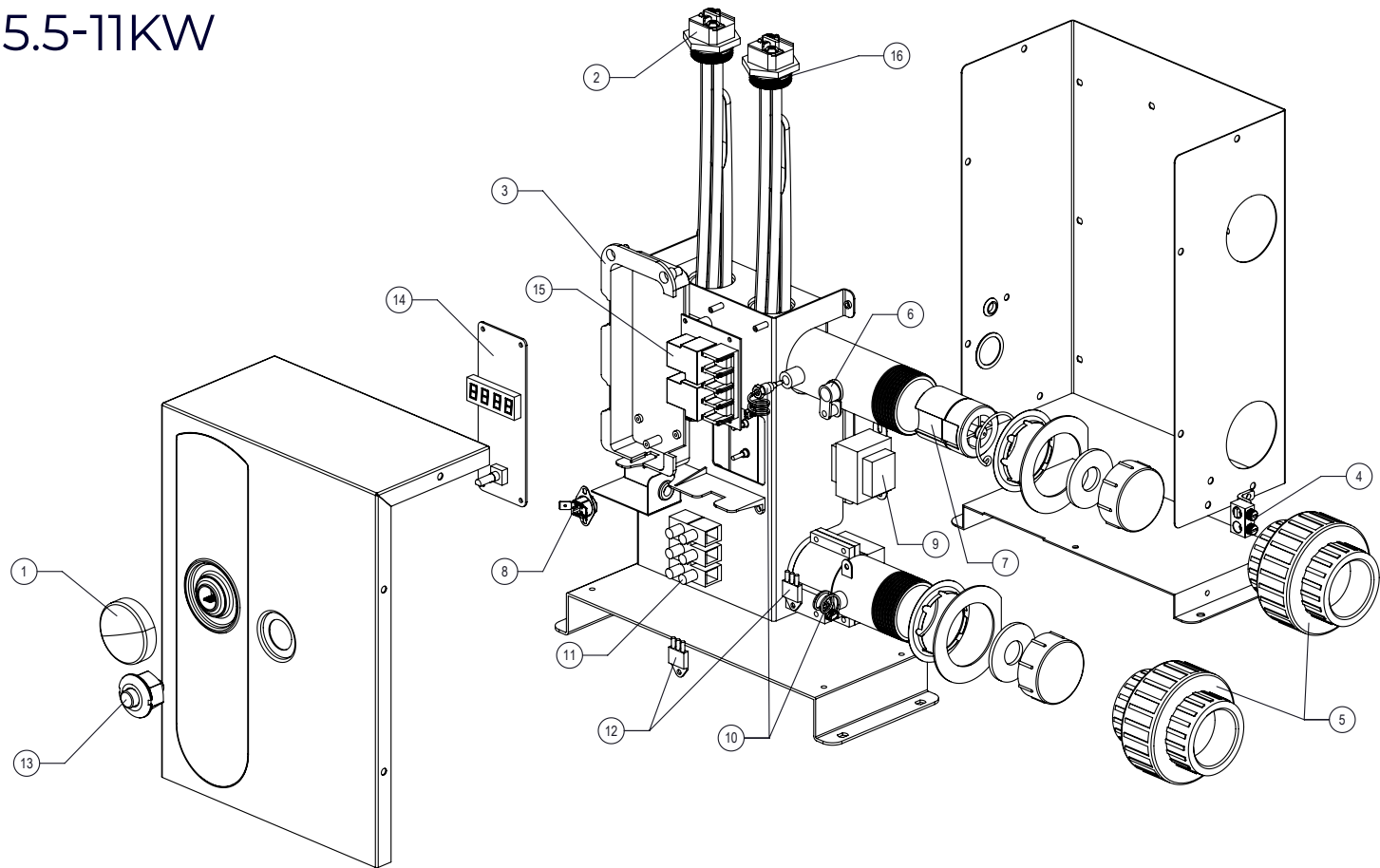
5.5-11KW



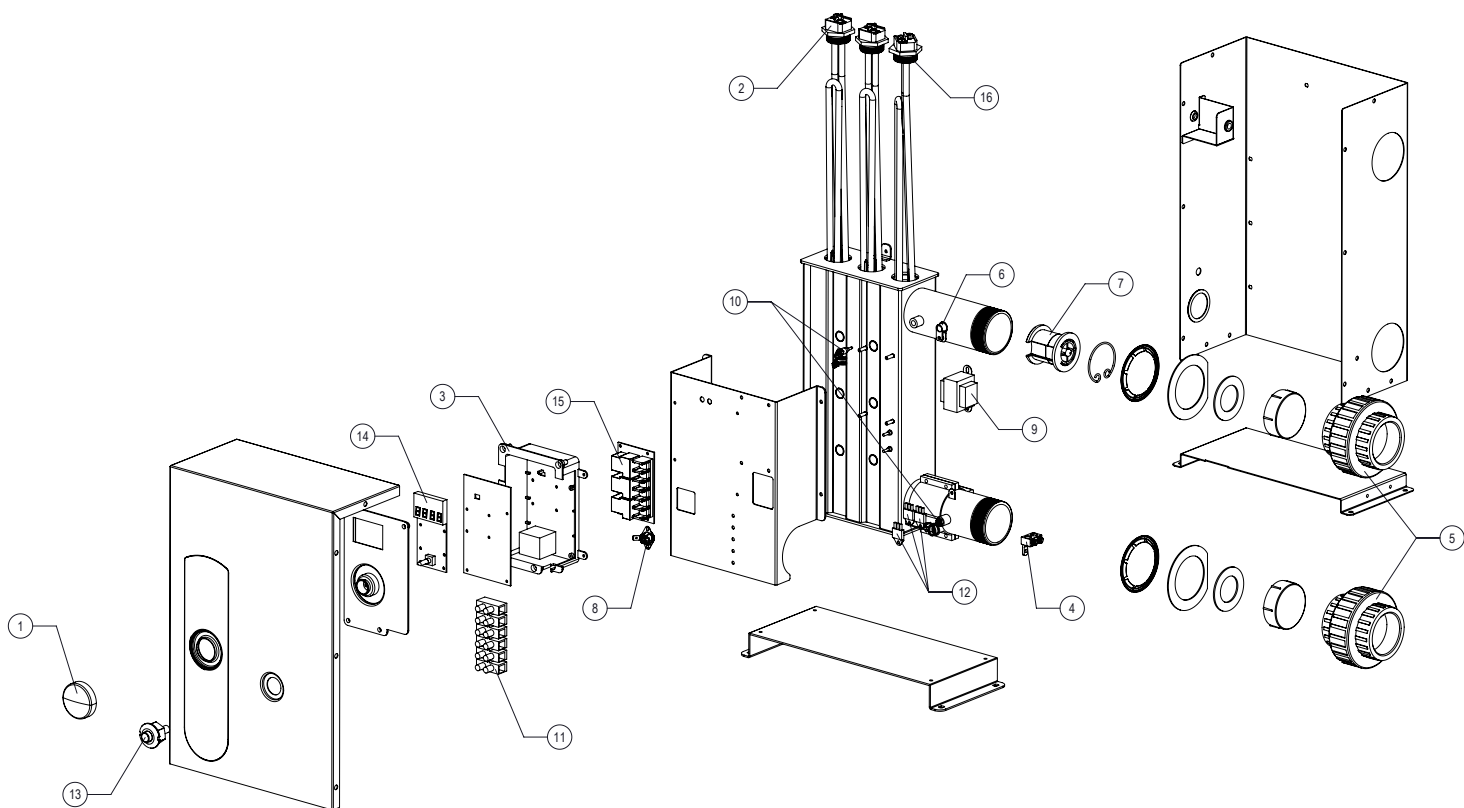
18-27KW



5.5-11KW



18-27KW



CALL OUT	PART DESCRIPTION	ELS 0005	ELS 0011	ELS 0018	ELS 0027
1	Knob	017154F	017154F	017154F	017154F
2	Heating Element (O-ring Included) 5.5KW 240V	017139F	017139F	N/A	N/A
2	Heating Element (O-ring Included) 9KW 240V	N/A	N/A	017140F	017140F
3	Enclosure-PC Board	017147F	017147F	N/A	N/A
3	Enclosure-PC Board	N/A	N/A	017159F	017159F
4	Grounding Terminal	017148F	017148F	017148F	017148F
5	Union-1-1/2" NPT X 1-1/2" C PVC	017179F	017179F	N/A	N/A
5	Union-2" NPT X 2" C PVC	N/A	N/A	017180F	017180F
6	Hall Effect Sensor	017150F	017150F	N/A	N/A
6	Hall Effect Sensor	N/A	N/A	017151F	017151F
7	Flow Sensor	017155F	017155F	N/A	N/A
7	Flow Sensor	N/A	N/A	017156F	017155F
8	High Limit Manual-Reset	100-10003171	100-10003171	100-10003171	100-10003171
9	Transformer AC 220V 50Hz	100-10003172	100-10003172	100-10003172	100-10003172
10	Inlet & Outlet Thermistor (Includes O-ring)	100-10003173	100-10003173	100-10003173	100-10003173
11	Terminal Block PA18H-3P	100-10003174	100-10003174	N/A	N/A
11	Terminal Block PA18H-6P	N/A	N/A	100-10003175	100-10003175
12	Triac 3-Wire	100-10003176	100-10003168	100-10003169	100-10003170
13	Push Button	100-10003177	100-10003177	100-10003178	100-10003178
14	Circuit Board with LED Display	100-10003179	100-10003179	100-10003180	100-10003180
15	Relay	100-10003181	100-10003182	100-10003183	100-10003184
16	O-Rings	017157F	017157F	017157F	017157F
17	Pipe Plug (Includes O-Ring) (Not Shown)	017158F	017158F	N/A	N/A



ELECTRIC POOL & SPA HEATER

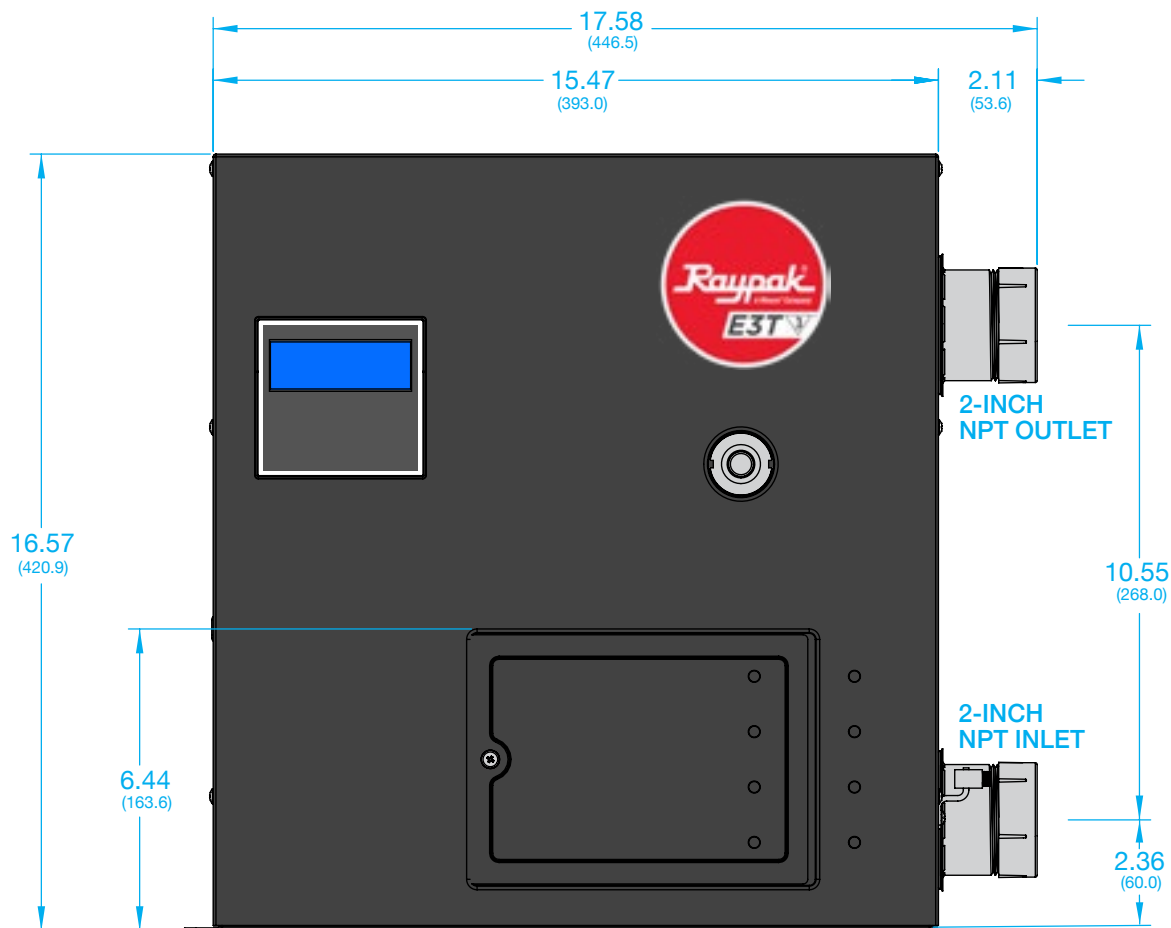
18-54KW

Features

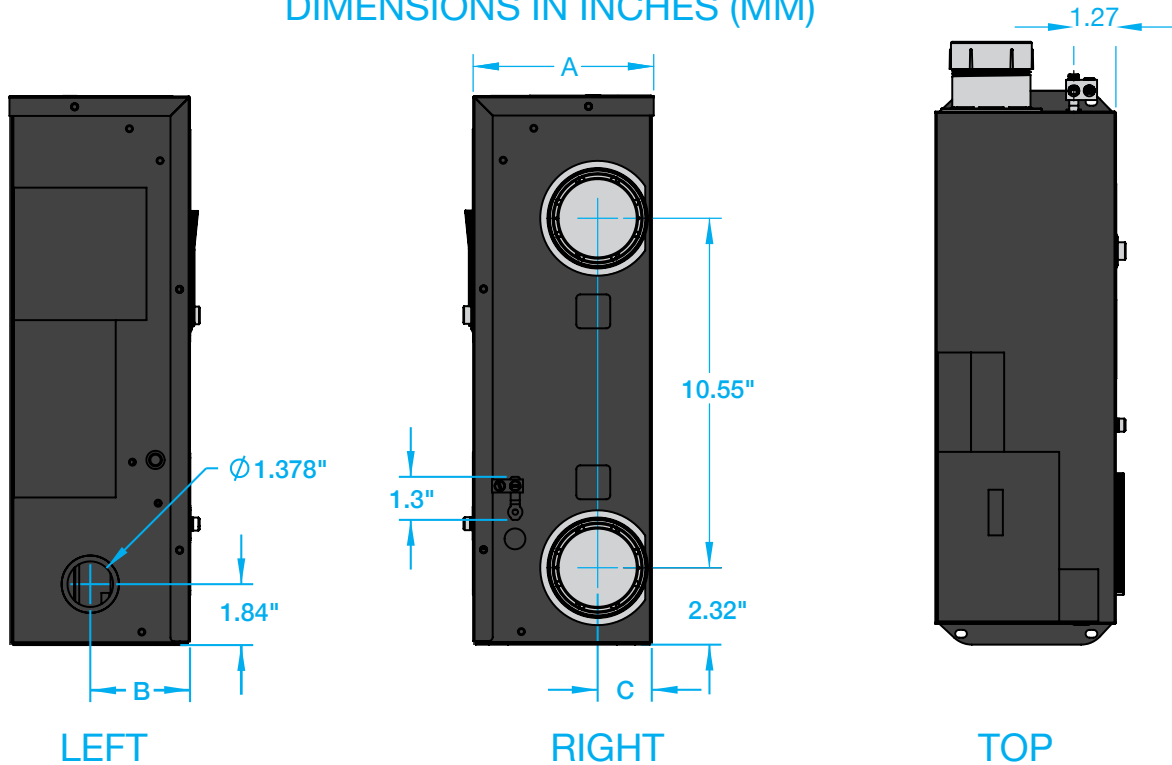
- Titanium heating elements for better quality and longer performance.
- Durable against salt pool water conditions, standard on all models.
- Compact design and small footprint.
- Best-In-Class controls with 80-character display and easy to understand codes.
- Flow Protection; prevents the unit from dry firing (15-60 GPM).
- Low-Temp Operating Mode; prevents the unit from damage due to sharp drops in system water temperature.
- Load Detection; prevents the unit from unwanted heating when there is no "Call for Heat".
- Patent pending 50/50 Mode*; operates at 50% capacity to help prevent downtime and reduce energy costs.
- Designed for commercial use. Certified to CEC Title 20.
- 1 year warranty



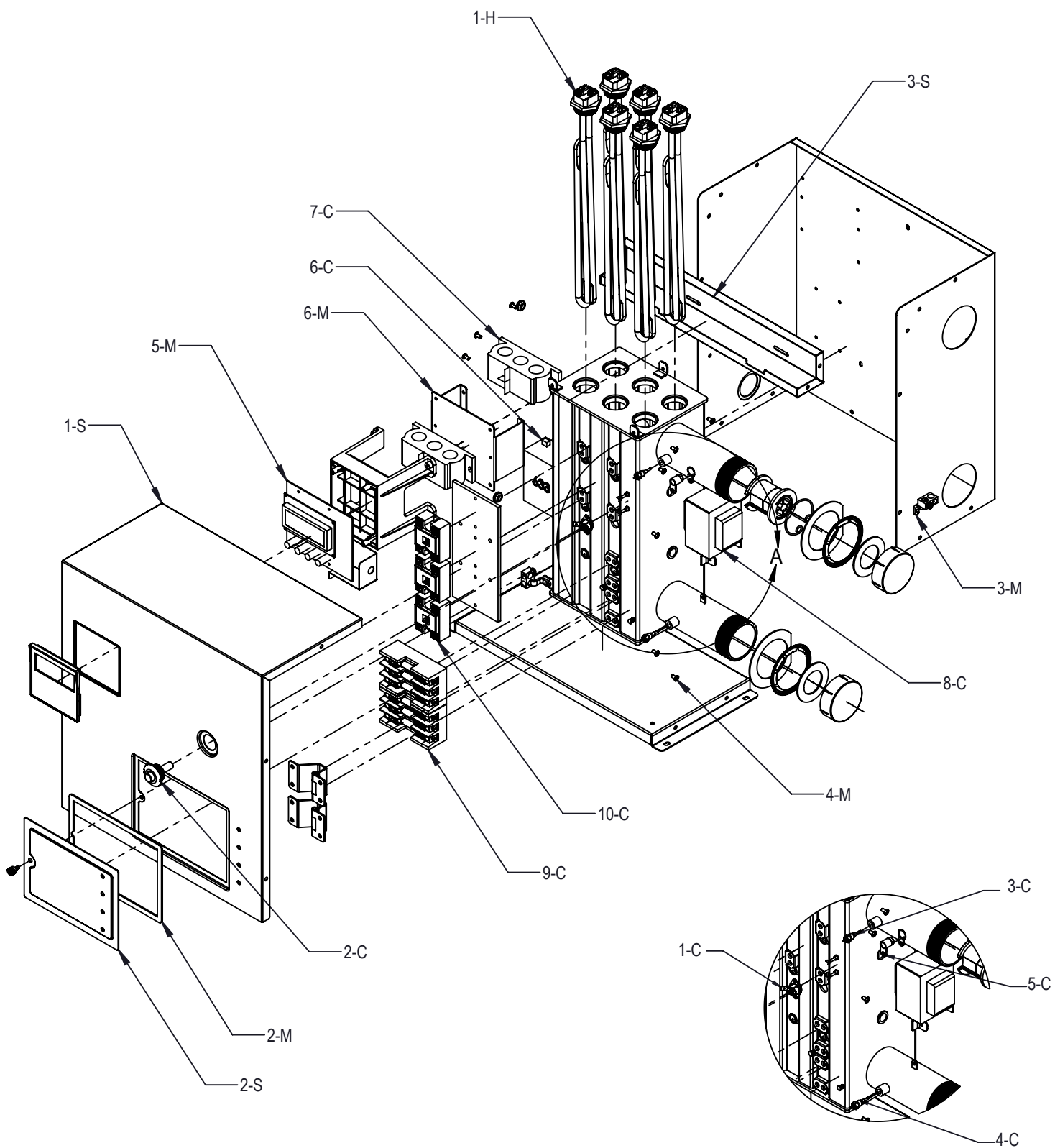
Model	Part Number	BTUH	Power	Voltage	Cabinet Depth in.	Unit Weight lbs.	Shipping Weight lbs.
ELS-R-0018-3-TI	019141	61,419	18 kW	208V	5.5	33.5	41.9
ELS-R-0018-4-TI	019142	61,419	18 kW	480V	5.5	33	41.4
ELS-R-0024-3-TI	019143	81,891	24 kW	208V	5.5	33.5	41.9
ELS-R-0024-4-TI	019144	81,891	24 kW	480V	5.5	33	41.4
ELS-R-0030-3-TI	019145	102,364	30 kW	208V	8	50	59.5
ELS-R-0030-4-TI	019146	102,364	30 kW	480V	8	47.7	57.2
ELS-R-0045-4-TI	019147	153,546	45 kW	480V	8	49.2	58.7
ELS-R-0054-4-TI	019148	184,255	54 kW	480V	8	49.2	58.7



DIMENSIONS IN INCHES (MM)



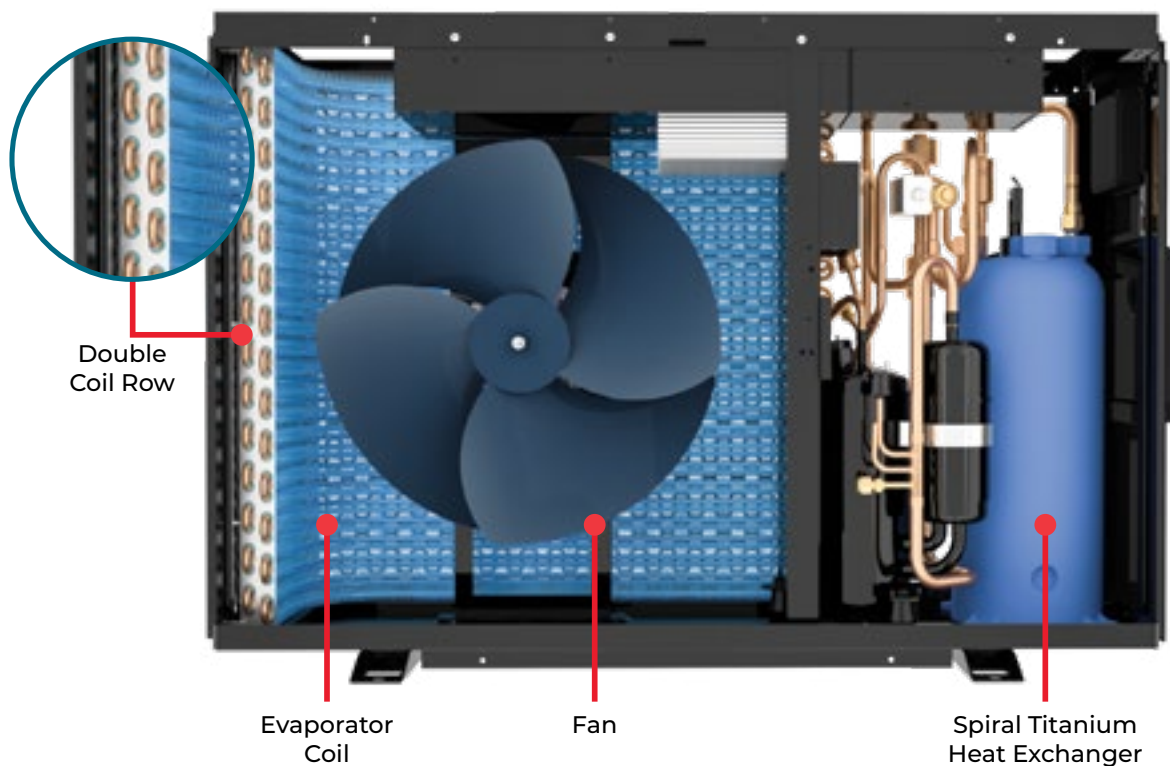
Model Size	Element	A	B	C
0018/0024	3-Element	5.45"	3.01"	1.63"
0030/0045/0054	6-Element	7.74"	4"	2.78"

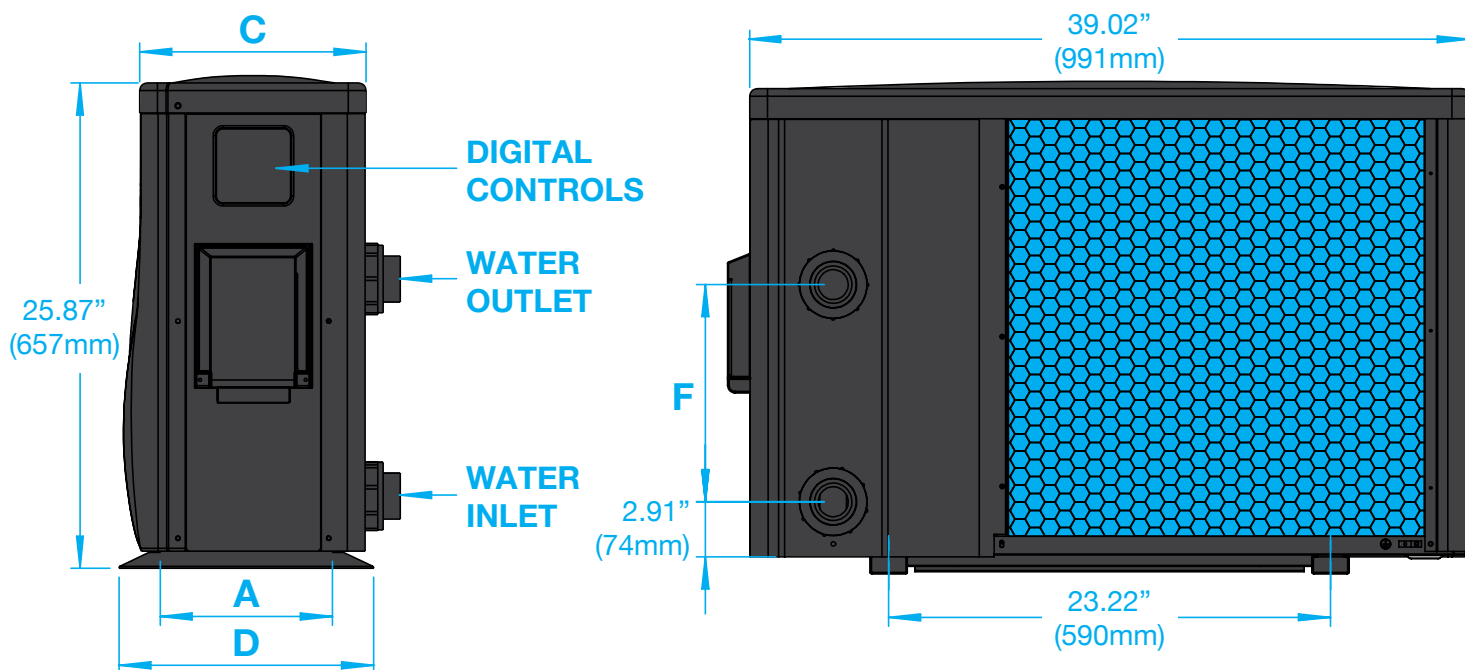


CALL OUT	DESCRIPTION	18kW		24kW		30kW		45kW	54kW
		208V	480V	208V	480V	208V	480V	480V	480V
1-H	Kit - Elements	019378F	100-10000324	019379F	100-10000323	019380F	100-10000322	019381F	019382F
5-M	Kit - PCB board	019360F	019360F	019360F	019360F	100-10000326	100-10000326	100-10000326	100-10000326
7-C	Kit - Transformer Ring	019374F	019374F	019374F	019374F	019375F	019375F	019375F	019375F
8-C	Kit - Transformer	019362F	019389F	019362F	019389F	019362F	019389F	019389F	019389F
1-S	Kit - Front Panel	019355F	019355F	019355F	019355F	019356F	019356F	019356F	019356F
6-M	Kit - PC Board Mounting	019361F	019361F	019361F	019361F	019361F	019361F	019361F	019361F
3-C	Kit - Temp Sensor Outlet	019367F	019367F	019367F	019367F	019367F	019367F	019367F	019367F
4-C	Kit - Temp Sensor Inlet	019366F	019366F	019366F	019366F	019366F	019366F	019366F	019366F
9-C	Kit - Fuse Holder & Fuse 45A	019377F	N/A	019377F	N/A	019377F	N/A	N/A	N/A
	Kit - Fuse Holder & Fuse 25A	N/A	019376F	N/A	019376F	N/A	019376F	019376F	019376F
10-C	Kit - Relay Solid State 30-54KW	N/A	N/A	N/A	N/A	019359F	019359F	019359F	019359F
	Kit - Relay Solid State 18-24KW	019358F	019358F	019358F	019358F	N/A	N/A	N/A	N/A
6-C	Kit - Contactor 208V -HCDY3XQ07JS	N/A	N/A	N/A	N/A	100-10000325	N/A	N/A	N/A
	Kit-Contactor 480V -HCDY3XQ06CJ	N/A	019445F	N/A	019445F	N/A	019445F	N/A	N/A
	Kit - Contactor 208V -HCDY3XQ06CJ	100-10000320	N/A	100-10000320	N/A	N/A	N/A	100-10000320	100-10000320
4-M	Kit - Fasteners	019372F	019372F	019372F	019372F	019372F	019372F	019372F	019372F
3-M	Kit - Ground Terminal	019371F	019371F	019371F	019371F	019371F	019371F	019371F	019371F
2-M	Kit - Gaskets & Grommets	019370F	019370F	019370F	019370F	019370F	019370F	019370F	019370F
1-M	Kit - Plastic Unions (Not Shown)	019369F	019369F	019369F	019369F	019369F	019369F	019369F	019369F
5-C	Kit - Hall Sensor	019368F	019368F	019368F	019368F	019368F	019368F	019368F	019368F
3-S	Kit - Upper Cabinet Support	019365F	019365F	019365F	019365F	019365F	019365F	019365F	019365F
1-C	Kit - Manual Reset Button	019364F	019364F	019364F	019364F	019364F	019364F	019364F	019364F
2-C	Kit - Manual Reset Switch	019363F	019363F	019363F	019363F	019363F	019363F	019363F	019363F
2-S	Kit - Door Assembly	019357F	019357F	019357F	019357F	019357F	019357F	019357F	019357F

Features

- Energy efficient inverter technology.
- Spiral titanium heat exchanger.
- LCD display digital control.
- Heat and Cool mode.
- Whisper quiet operation.
- Weatherproof plastic jacket.
- 1 year labor warranty/2 year parts warranty.



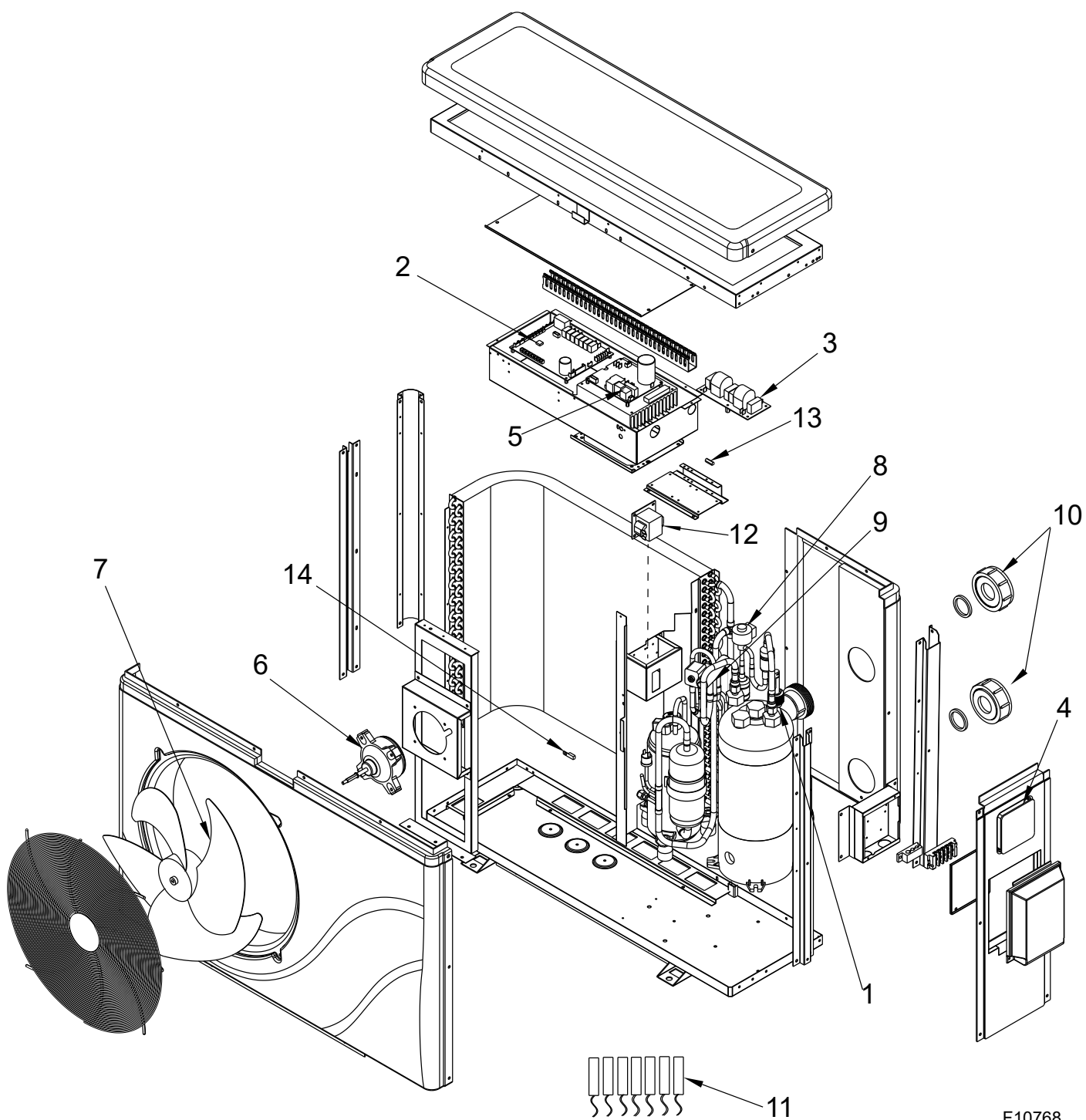


Model	Part No.	A	C	D	F
50-I-R	017740	12.40 (315)	12.28 (312)	13.39 (340)	12.99 (330)
65-I-R	017741	15.55 (395)	15.35 (390)	16.54 (420)	14.17 (360)

Model	Part No.	Electrical Input	Min. Circuit (Amps)	Max. Breaker Size (Amps)	Ship Weight lbs.	Water Flow gpm (LPM)	Voltage
50-I-R	017740	1.28 kW	16	20	135	21.9-30.6 (83-116)	208/230V-60Hz
65-I-R	017741	1.55 kW	20	25	157	28.5-37.5 (108-142)	208/230V-60Hz

Model	Part No.	BTU/h C.O.P. (80,80,80*)	BTU/h C.O.P. (80,63,80*)	BTU/h C.O.P. (50,63,80*)
50-I-R	017740	44,750/6.1	42,500/5.8	21,000/4.2
65-I-R	017741	61,000/5.7	57,650 5.3	24,500/4.1

All water connections are 1-1/2" PVC unions.



F10768

Item	Description	Crosswind-50-1	Crosswind-65-1	Instructions Part Number
1	Water flow switch	018146F	018146F	241808
2	PC board	018179F	018180F	241809
3	Power filter plate	018148F	018148F	241810
4	Touch controller	018149F	018149F	241811
5	Inverter board	018352F	018150F	241812
6	Fan motor	018151F	018151F	241813
7	Fan blade	018152F	018152F	241814
8	Electronic expansion valve coil	018153F	018153F	241815
9	4-way valve coil	018154F	018161F	241816
10	Water unions and O-rings	018155F	018155F	241817
11	Full Set of Sensors	018157F	018157F	241819
12	Precision Inductor	018158F	018162F	241820
13	Fuse	018163F	018164F	241821
14	Drain kit	018160F	018160F	241822



POOL & SPA HEAT PUMP

4550, 5550, 6550 & 8550

Features

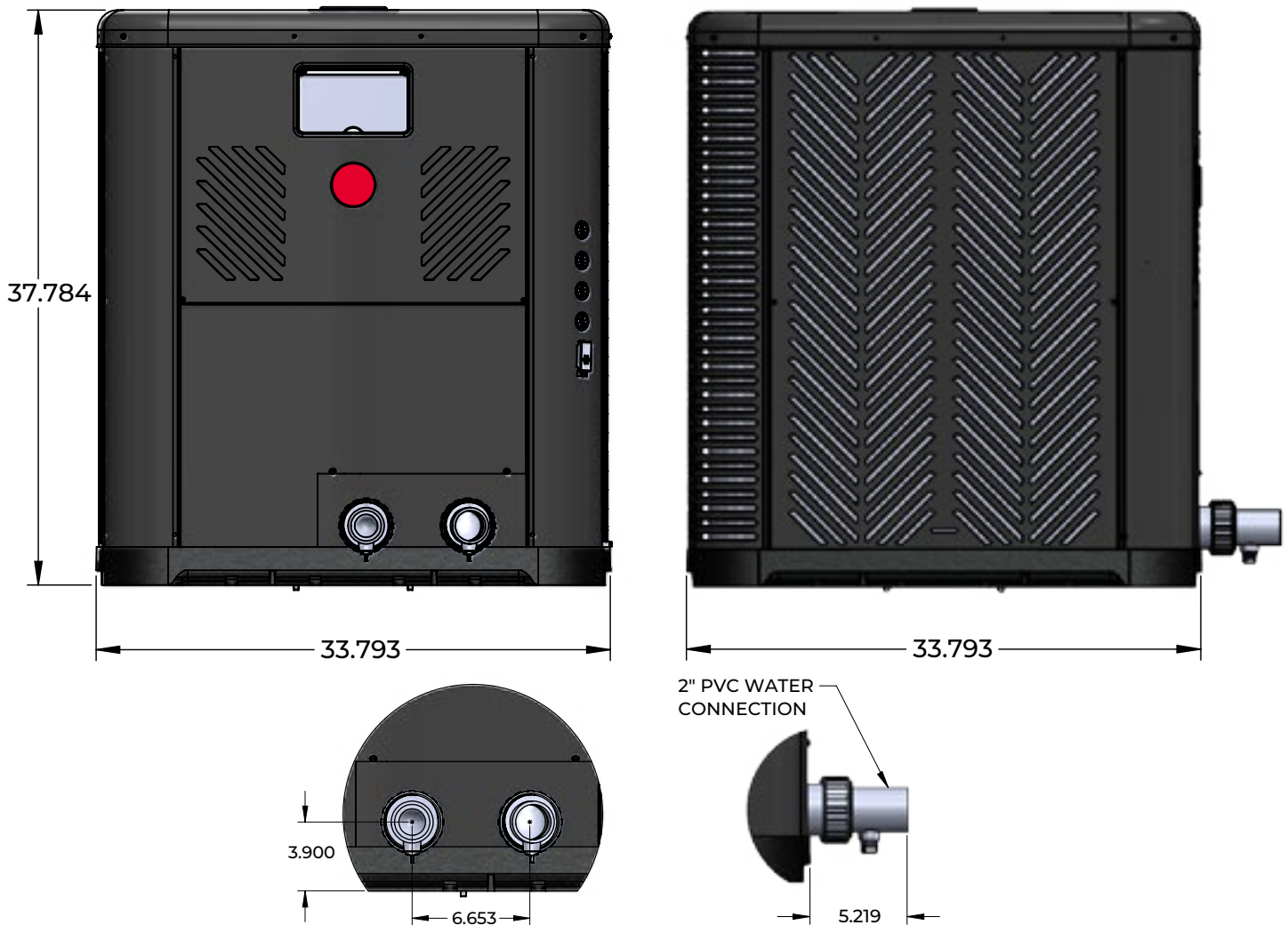
- Multiple device control. Control six different devices out-of-the-box.
- VS pump control. Drives most variable speed pumps in the market.
- Remotely monitor performance data and status of fleet of heaters to manage service routes with the use of the Raymote App.
- Smart energy management. Integrates with both gas and electric heaters. Determines best energy source for optimum performance.
- Removable J-box and longer control harness for easy installation.
- High efficiency and quiet operation.
- Powder-Coated metal cabinet.
- 2 year labor warranty / 7 year parts warranty / 10 year titanium heat exchanger warranty.



Model & Part No.	BTU/h C.O.P. (80,80,80*)	BTU/h C.O.P. (80,63,80*)	BTU/h C.O.P. (50,63,80*)	Electrical Input	Min. Amps	Required Breaker	Unit Weight lbs.	Ship Weight lbs.
Standard								
TWPH-4550EHT08	85,000/5.8	80,000/5.5	56,000/4.0	4.3 kW	38	50	247	265
TWPH-5550EHT08	102,000/6.1	95,000/5.9	65,000/4.0	4.8 kW	40	60	268	286
TWPH-6550EHT08	118,000/6.1	110,000/5.9	75,000/4.0	5.4 kW	46	60	268	286
TWPH-8550EHT08	138,000/6.0	130,000/5.8	87,000/4.2	6.6 kW	46	60	312	330

POOL & SPA HEAT PUMP

4550, 5550, 6550 & 8550

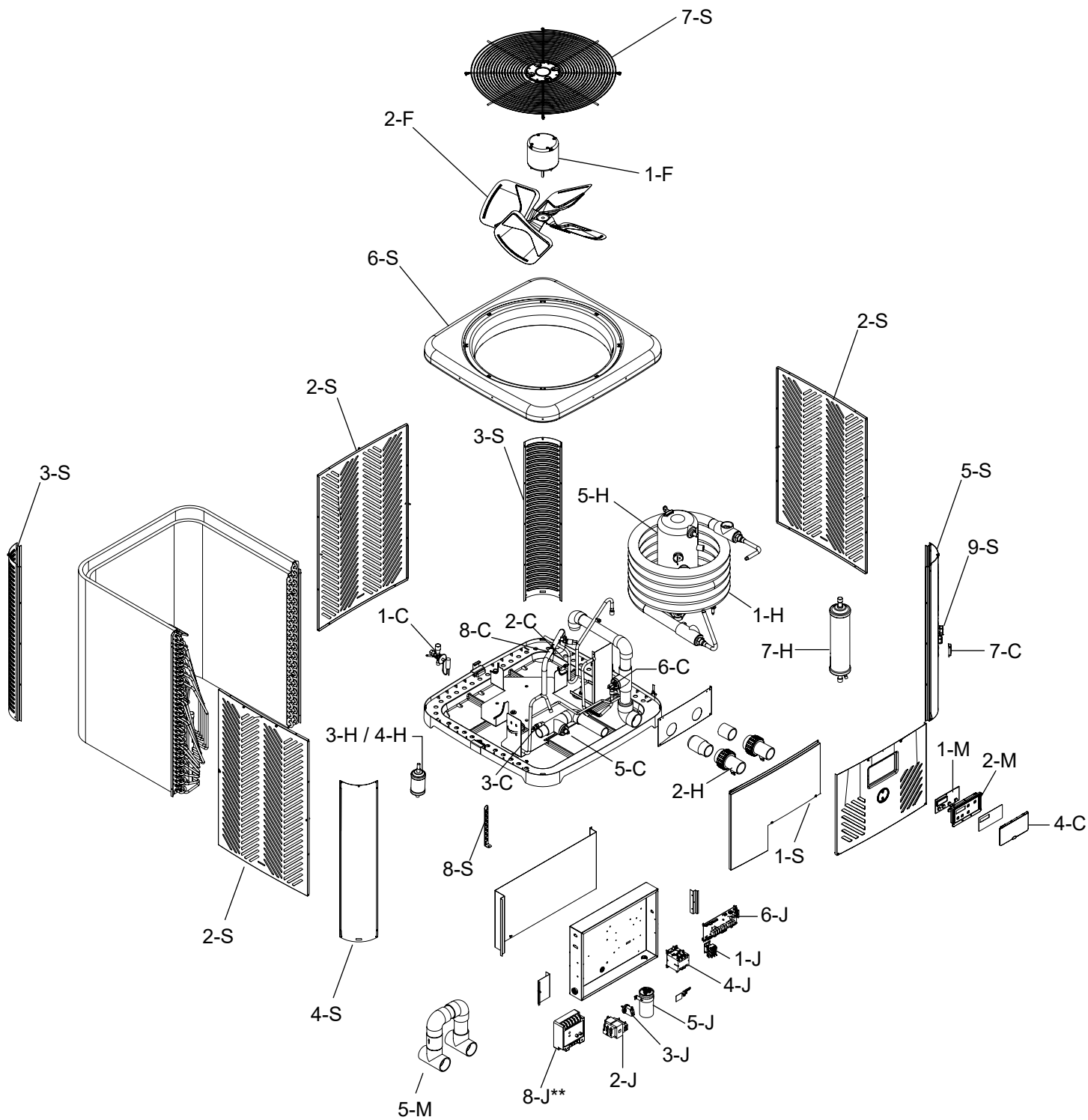


Model & Part No.	BTU/h C.O.P. (80,80,80*)	BTU/h C.O.P. (80,63,80*)	BTU/h C.O.P. (50,63,80*)	Electrical Input	Min. Amps	Required Breaker	Unit Weight lbs.	Ship Weight lbs.
Deluxe								
TWPH-6550EHC08	115,000/6.0	108,000/5.8	72,000/4.2	5.4 kW	46	60	268	287
TWPH-8550EHC08	137,000/5.8	129,000/5.7	85,000/4.1	6.7 kW	46	60	312	331

All models 208-230VAC, 1-Ph, 60 Hz. All models use R-410A refrigerant. HC = heat/cool model.

* Tested to AHRI 1160. Maximum water flow 30-60gpm.

** Shipping dimensions per unit 38.75" x 38.75" x 42.5" (L x W x H).



CALL OUT	DESCRIPTION	4550	5550	6550	8550
C	CONTROLS				
1-C	TX Valve	100-10000385	100-10000386	100-10000386	100-10000387
2-C	Low Pressure Switch	100-10000633	100-10000633	100-10000633	100-10000633
3-C	High Pressure Switch	100-10000634	100-10000634	100-10000634	100-10000634
4-C	Control Cover	100-10000388	100-10000388	100-10000388	100-10000388
5-C	Inlet Temp Sensor 100K	100-10000635	100-10000635	100-10000635	100-10000635
6-C	Outlet Temp Sensor 10K	100-10000636	100-10000636	100-10000636	100-10000636
7-C	Ambient Temp Sensor	100-10000637	100-10000637	100-10000637	100-10000637
8-C	Coil Defrost Sensor	100-10000643	100-10000643	100-10000643	100-10000643
9-C	Harness Assy J-Box	100-10000394	100-10000394	100-10000394	100-10000394
10-C	Harness Assy/Fan	100-10000396	100-10000396	100-10000396	100-10000396
11-C	Harness Assy Contactor	100-10000397	100-10000397	100-10000397	100-10000397
12-C	Harness Assy Rev Valve/Press Switches	100-10000398	100-10000398	100-10000398	100-10000398
13-C	Harness Assy-Temp Sensor	100-10000399	100-10000399	100-10000399	100-10000399
14-C	Harness Reversing Valve Connector*	100-10000644	100-10000644	100-10000644	100-10000644
15-C	Variable-Speed Pump Harness	100-10000690	100-10000690	100-10000690	100-10000690
16-C	Single-Speed Pump Harness	100-10000689	100-10000689	100-10000689	100-10000689
17-C	Solar Sensor and Aux Safety Harness	100-10000688	100-10000688	100-10000688	100-10000688
18-C	3-wire Remote Harness adapter	100-10001036	100-10001036	100-10001036	100-10001036
19-C	Kit - HPPH Sensor Solar 10K	100-10001050	100-10001050	100-10001050	100-10001050
H	HEAT TRANSFER				
1-H	Heat Exchanger	H000278	H000368	H000368	H000369
2-H	PVC Union	H000317	H000317	H000317	H000317
3-H	Liquid Line Drier	H000188	H000011	H000011	H000011
4-H	Liquid Line Drier (EHC models) *	NA	NA	H000004	H000004
5-H	Compressor R-410A 208/230V 1PH 60Hz	100-10000400	H000348	H000012	H000014
6-H	Compressor Power Plug (Not Shown)	H000271	H000271	H000271	H000271
7-H	Charge Compensator	NA	NA	NA	H000255
8-H	Reversing Valve * (Not Shown)	NA	NA	H000136	H000136
F	FAN				
1-F	Fan Motor	100-10000638	100-10000638	100-10000638	100-10000638
2-F	Fan Blade	100-10000639	100-10000639	100-10000639	100-10000639

CALL OUT	DESCRIPTION	4550	5550	6550	8550
J	CONTROL BOX				
1-J	Fan Relay	H000299	H000299	H000299	H000299
2-J	Transformer	100-10000640	100-10000640	100-10000640	100-10000640
3-J	Water Pressure Switch	H000025	H000025	H000025	H000025
4-J	Contactor	H000043	H000043	H000043	H000043
5-J	Capacitor	H000051	H000051	H000051	H000051
6-J	Control Board Digital	100-10000389	100-10000389	100-10000389	100-10000389
7-J	Fuse (Not Shown)	H000370	H000370	H000370	H000370
8-J	Monitor**	H000291	H000291	H000291	H000291
M	MISCELLANEOUS				
1-M	PC Board Display	100-10000390	100-10000390	100-10000390	100-10000390
2-M	Bezel Gasket	100-10000391	100-10000391	100-10000391	100-10000391
3-M	UI Harness (Not shown)	100-10000393	100-10000393	100-10000393	100-10000393
4-M	Touch-up Paint (Not Shown)	100-10000401	100-10000401	100-10000401	100-10000401
5-M	Water Bypass	100-10000816	100-10000816	100-10000816	100-10000816
6-M	Water Flow Switch (Not Shown)	H000166	H000166	H000166	H000166
S	SHEET METAL				
1-S	Access Panel	100-10000402	100-10000402	100-10000402	100-10000402
2-S	Side Panel	100-10000403	100-10000403	100-10000403	100-10000403
3-S	Corner Louver Panel	100-10000404	100-10000404	100-10000404	100-10000404
4-S	Corner Solid Panel	100-10000405	100-10000405	100-10000405	100-10000405
5-S	Corner Plug Holes Panel	100-10000406	100-10000406	100-10000406	100-10000406
6-S	Jacket Top	100-10000407	100-10000407	100-10000407	100-10000407
7-S	Grille Fan Guard	100-10000641	100-10000641	100-10000641	100-10000641
8-S	Hurricane Bracket HT Pump SS	H000357	H000357	H000357	H000357
9-S	Sensor Cover	H000362	H000362	H000362	H000362

DESCRIPTION	4550	5550	6550	8550
OPTIONAL INSTALLATION SETUP				
Variable-Speed Pump Harness	100-10000690	100-10000690	100-10000690	100-10000690
Single-Speed Pump Harness	100-10000689	100-10000689	100-10000689	100-10000689
Solar and Safety Harness	100-10000688	100-10000688	100-10000688	100-10000688

POOL HEATER OPTIONS AND KITS

Model (Residential)	Part No.	Description	Shipping Weight (lbs.)
A-15: Pressure Relief Valves			
206A/207A	012648	125 lbs	3
266A-407A	010231	125 lbs	5
D-2: Power Vent - Indoor (Note: Power vents are shipped loose for field installation and wiring.) Factory wired for 240V operation.			
206A/267A	009832	IID Only	36
336A-407A	009833	IID Only	39
D-10: Residential pool heater indoor drafthoods			
106A	014357	Indoor Top	12
156A	014358	Indoor Top	12
206A/207A	009838	INDR Stack Top 6"	12
266A/267A	009839	INDR Stack Top 7"	15
336A/337A	009840	INDR Stack Top 8"	17
406A/407A	009841	INDR Stack Top 9"	20
406A/407A	010781	Adapter 9"X 10"	5
D-11: Residential Pool Heater Stackless Tops - Shipped With Heater			
D-13: Residential Pool Heater High Wind Tops			
106A	014718	Highwind Top	12
156A	014719	Highwind Top	12
206A/207A	009834	Highwind Top	20
266A/267A	009835	Highwind Top	20
336A/337A	009836	Highwind Top	25
406A/407A	009837	Highwind Top	25
D-106: Weathershield			
106A	016254		
Hose Adapters			
206A-407A	006490	2" MPT to 1 1/2" Hose	Set of 2
Poolstat Cover/Lock Kit			
106A	014778		N/A
206A-407A	009505		2
Heat Pump Classic Series	009540		3
X-10: Restraint Bracket - Hurricane Tie Down			
206A-406A, 207A-407A	011636		
Protek Shield Replacement Kit			
206A-406A, 207A-407A, 264 & 404	017960F		2
Protek Shield Bulk (25PK) Replacement Kit			
206A-406A, 207A-407A, 264 & 404	018847F		67

POOL HEATER OPTIONS AND KITS

PART SHIPPING LIST

Model (ASME)	Part No.	Description	Shipping Weight lbs. (kg)
Hose Adapters			
206A-207A	006490	2" MPT to 1 1/2" Hose	set of 2
Poolstat Cover/Lock Kit (Note: Use on heaters with Electronic Ignition only.)			
206A-267A	009505		2
D-2: Power Vent - Indoor (Note: Power vents are shipped loose for field installation and wiring.)			
206A/267A	009832	240V IID Only	36
R268	009832	240V IID Only	36
206A/267A	010744	120V IID Only	36
R268	010744	120V IID Only	36
336A/407A	009833	240V IID Only	39
R408	009833	240V IID Only	39
336A/407A	010745	120V IID Only	39
R408	010745	120V IID Only	39
D-10: Residential pool heater indoor drafthoods (Note: Adaptor 9" x 10" used to connect to standard 10" flue.)			
206A/207A	009838	INDR Stack Top 6"	14
266A/267A	009839	INDR Stack Top 7"	16
R268	009839	INDR Stack Top 7"	16
336A/337A	009840	INDR Stack Top 8"	19
406A/407A	009841	INDR Stack Top 9"	21
R408	009841	INDR Stack Top 9"	21
406A/407A	010781	Adaptor 9" X 10"	5
R408	010781	Adaptor 9" X 10"	5
D-11: Residential Pool Heater Stackless Tops - Shipped With Heater			
D-13: Residential Pool Heater High Wind Tops			
206A/207A	009834	INDR STACK TOP 6"	20
266A/267A	009835	INDR Stack Top 7"	20
R268	009835	INDR Stack Top 7"	20
336A/337A	009836	INDR Stack Top 8"	25
406A/407A	009837	INDR Stack Top 9"	25
R408	009837	INDR Stack Top 9"	25
F-2: Flow Switch/T&P Gauge Kit			
206A-407A	013969	IID Only	4
X-10: Restraint Bracket			
206A-406A, 207A-407A, R268 & R408	011636		

POOL HEATER OPTIONS AND KITS

PART SHIPPING LIST (cont.)

Model (ASME)	Part No.	Description	Shipping Weight lbs. (kg)
Protek Shield Replacement Kit			
206A-406A, 207A-407A, 264 & 404	017960F		2
Protek Shield Bulk (25PK) Replacement Kit			
206A-406A, 207A-407A, 264 & 404	018847F		67
Protek Shield ASME Replacement Kit			
206A-406A, 207A-407A	018006F		3

KIT CONTENTS (RESIDENTIAL & ASME)

NATURAL GAS ORIFICE CONVERSION TO 6000-8999FT

Kit Number	Kit Contents	Burner Orifice Quantity
100-10004695 (Model 206)	#52 Burner Orifice Only	13
100-10004696 (Model 266/268)	#52 Burner Orifice Only	18
100-10004697 (Model 336)	#52 Burner Orifice Only	22
100-10004698 (Model 406/408)	#52 Burner Orifice Only	27

NATURAL GAS TO PROPANE CONVERSION TO 6000-8999FT

Kit Number	Kit Contents	Burner Orifice Quantity
100-10004699 (Model 206)	#60 Pilot Orifice	1
	#60 Burner Orifice	13
	3/4" Gas Valve	1
	Gas Valve Decal for Propane	2
	Unit Decal for Gas Conversion	1
100-10004700 (Model 266/268)	#60 Pilot Orifice	1
	#60 Burner Orifice	18
	3/4" Gas Valve	1
	Gas Valve Decal for Propane	2
	Unit Decal for Gas Conversion	1
100-10004701 (Model 336)	#60 Pilot Orifice	1
	#60 Burner Orifice	22
	3/4" Gas Valve	1
	Gas Valve Decal for Propane	2
	Unit Decal for Gas Conversion	1
100-10004702 (Model 406/408)	#60 Pilot Orifice	1
	#60 Burner Orifice	27
	3/4" Gas Valve	1
	Gas Valve Decal for Propane	2
	Unit Decal for Gas Conversion	1

ELEVATION CONVERSION KIT TABLE

NATURAL GAS ORIFICE CONVERSION

Each Kit in the following table includes burner orifices only (see table for burner orifice quantity).

Part Number	Description	Size	Burner Orifice Quantity
100-10006050	KIT-ELEVATION NAT #50 206 (0-1999 FT)	206	13
100-10006051	KIT-ELEVATION NAT #50 266 (0-1999 FT)	266/268	18
100-10006052	KIT-ELEVATION NAT #50 336 (0-1999 FT)	336	22
100-10006053	KIT-ELEVATION NAT #50 406 (0-1999 FT)	406/408	27
100-10006054	KIT-ELEVATION NAT #51 206 (2000-5999 FT)	206	13
100-10006055	KIT-ELEVATION NAT #51 266 (2000-5999 FT)	266/268	18
100-10006056	KIT-ELEVATION NAT #51 336 (2000-5999 FT)	336	22
100-10006057	KIT-ELEVATION NAT #51 406 (2000-5999 FT)	406/408	27
100-10004695	KIT-ELEVATION NAT #52 206 (6000-8999 ft elevation)	206	13
100-10004696	KIT-ELEVATION NAT #52 266 (6000-8999 ft elevation)	266/268	18
100-10004697	KIT-ELEVATION NAT #52 336 (6000-8999 ft elevation)	336	22
100-10004698	KIT-ELEVATION NAT #52 406 (6000-8999 ft elevation)	406/408	27
100-10006058	KIT-ELEVATION NAT #53 206 (9000+ FT)	206	13
100-10006059	KIT-ELEVATION NAT #53 266 (9000+ FT)	266/268	18
100-10006060	KIT-ELEVATION NAT #53 336 (9000+ FT)	336	22
100-10006061	KIT-ELEVATION NAT #53 406 (9000+ FT)	406/408	27

Part Number	Description	Size
100-10000848	KIT-BURNER ORIFICE NAT #27 (.144) 5 PCS (above 5000 ft elevation)	207-337
100-10000848 (order 2)	KIT-BURNER ORIFICE NAT #27 (.144) 5 PCS (above 5000 ft elevation)	407

ELEVATION CONVERSION KIT TABLE

NATURAL GAS TO PROPANE CONVERSION

Each Kit in the following table includes one pilot orifice, 3/4" gas valve, gas valve decal for propane, unit decal for gas conversion, and burner orifice (see table for burner orifice quantity).

Part Number	Description	Size	Burner Orifice Quantity
100-10006062	KIT-CONVERSION ELEVATION PRO #57 206 (0-1999 FT)	206	13
100-10006063	KIT-CONVERSION ELEVATION PRO #57 266 (0-1999 FT)	266/268	18
100-10006064	KIT-CONVERSION ELEVATION PRO #57 336 (0-1999 FT)	336	22
100-10006065	KIT-CONVERSION ELEVATION PRO #57 406 (0-1999 FT)	406/408	27
100-10006066	KIT-CONVERSION ELEVATION PRO #58 206 (2000-2999 FT)	206	13
100-10006067	KIT-CONVERSION ELEVATION PRO #58 266 (2000-2999 FT)	266/268	18
100-10006068	KIT-CONVERSION ELEVATION PRO #58 336 (2000-2999 FT)	336	22
100-10006069	KIT-CONVERSION ELEVATION PRO #58 406 (2000-2999 FT)	406/408	27
100-10006070	KIT-CONVERSION ELEVATION PRO #59 206 (3000-4999 FT)	206	13
100-10006071	KIT-CONVERSION ELEVATION PRO #59 266 (3000-4999 FT)	266/268	18
100-10006072	KIT-CONVERSION ELEVATION PRO #59 336 (3000-4999 FT)	336	22
100-10006073	KIT-CONVERSION ELEVATION PRO #59 406 (3000-4999 FT)	406/408	27
100-10004699	KIT-CONVERSION ELEVATION PRO #60 206 (5000-6999 ft elevation)	206	13
100-10004700	KIT-CONVERSION ELEVATION PRO #60 266 (5000-6999 ft elevation)"	266/268	18
100-10004701	KIT-CONVERSION ELEVATION PRO #60 336 (5000-6999 ft elevation)"	336	22
100-10004702	KIT-CONVERSION ELEVATION PRO #60 406 (5000-6999 ft elevation)"	406/408	27
100-10006074	KIT-CONVERSION ELEVATION PRO #61 206 (7000-7999 FT)	206	13
100-10006075	KIT-CONVERSION ELEVATION PRO #61 266 (7000-7999 FT)	266/268	18
100-10006076	KIT-CONVERSION ELEVATION PRO #61 336 (7000-7999 FT)	336	22
100-10006077	KIT-CONVERSION ELEVATION PRO #61 406 (7000-7999 FT)	406/408	27

POOL HEATER OPTIONS AND KITS

AVIA OPTIONS

Description	Part Number
Kit-Blower Comb Air 264 (Replaces 018865F)	100-10004897
Kit-Blower Comb Air 404 (Replaces 018961F)	100-10004898
Kit-Gas Valve w/ Gas Line Half (Replaces 018870F)	100-10004768

TOOLS AND ACCESSORIES

Description	Part Number	For use on:
UG Removal Tool	100-10004985	AVIA 264A & 404A, Digital 206A-408A
X-10 Restraint Bracket - Pool Heater 206A-408A	011636	Digital 206A-408A
KIT-THERMOSTAT LOCK BOX 185B-405B	009505	Digital 206A-408A
Heat Pump Locking Cover	009540	Crosswind 50-I & 65-I
Drill 9/16	850018F	All products
Drill 3/4	850019F	All products
Wire Brush 7/8	850020F	All products
Wire Brush 5/8	850021F	All products
Manometer Gauge	850260F	All products

Kit - UG Removal Tool

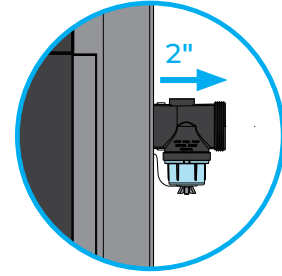
100-10004985



IMPORTANT NOTE ON HEADER DESIGN

2019 UPDATE

As of October, 2019, the header design extends an additional 2 inches to provide sufficient spacing for the ProTek Shield on the inlet side. As a result, modifications to the existing piping may be required to adapt to this change.



HEAT EXCHANGER WITH POLYMER HEADER KITS

Header	Tubing	Discontinued Part Number Prior 10/2013	Discontinued Part Number Prior 10/2019	New Part Number as of 10/2019
KIT-HT EX 206/207	COPPER		010043F	017994F
KIT-HT EX 266/267			010044F	017995F
KIT-HT EX 336/337			010045F	017996F
KIT-HT EX 406/407			010046F	017997F
KIT-HT EX 206/207	CUPRONICKEL	010356F	014926F	017998F
KIT-HT EX 266/227		010357F	014927F	017999F
KIT-HT EX 336/337		010358F	014928F	018000F
KIT-HT EX 406/407		010359F	014929F	018001F

POLYMER HEADER KITS

Header	Discontinued Part Number Prior 10/2019	New Part Number as of 10/2019
KIT-HDR IN/OUT POLYMER 206-407	006706F	017965F
KIT-HDR IN/OUT POLYMER COMPLETE 206-407	006827F	017959F
KIT-HDR IN/OUT POLYMER 206-407	014648F	017965F

RAYPAK TO RHEEM CROSS REFERENCE GUIDE

RESIDENTIAL POOL/SPA HEATERS - COPPER TUBING WITH NATURAL GAS

Raypak Product	Raypak Part No.	Rheem Product	Rheem Part No.
Low NOx AVIA Pool Heater with Polymer Headers, Copper Tubing, Natural Gas			
P-R264A-EN-C	018032	P-M264A-EN-C	018068
P-R404A-EN-C	018033	P-M404A-EN-C	018069
Low NOx AVIA HD Pool Heater with Polymer Headers, Nitek Tubing, Natural Gas			
P-R264A-EN-N	018044	P-M264A-EN-N	018080
P-R404A-EN-N	018045	P-M404A-EN-N	018081
Polymer Headers, Analog Control, Electronic Ignition, Natural Gas			
P-R106A-AN-C	014779	P-M106A-AN-C	014797
P-R106A-AN-C	014780	P-M106A-AN-C	014798
Polymer Headers, Digital Control, Electronic Ignition, Natural Gas			
P-R156A-EN-C	014784	P-M156A-EN-C	014802
P-R156A-EN-C	014785	P-M156A-EN-C	014803
Digital with Polymer Headers, Copper Tubing, Electronic Ignition, Natural Gas			
P-R206A-EN-C #52	009846	P-M206A-EN-C #52	009970
P-R266A-EN-C #50	009217	P-M266A-EN-C #50	009963
P-R266A-EN-C #51	009221	P-M266A-EN-C #51	009967
P-R266A-EN-C #52	009847	P-M266A-EN-C #52	009971
P-R406A-EN-C #50	009219	P-M406A-EN-C #50	009965
P-R406A-EN-C #51	009223	P-M406A-EN-C #51	009969
P-R406A-EN-C #52	009849	P-M406A-EN-C #52	009973



RAYPAK TO RHEEM CROSS REFERENCE GUIDE

RESIDENTIAL POOL/SPA HEATERS - COPPER TUBING WITH PROPANE GAS

Raypak Product	Raypak Part No.	Rheem Product	Rheem Part No.
Low NOx AVIA Pool Heater with Polymer Headers, Copper Tubing, Propane Gas			
P-R264A-EP-C	018038	P-M264A-EP-C	018074
P-R404A-EP-C	018039	P-M404A-EP-C	018075
Low NOx AVIA HD Pool Heater with Polymer Headers, Nitek Tubing, Propane Gas			
P-R264A-EP-N	018050	P-M264A-EP-N	018086
P-R404A-EP-N	018051	P-M404A-EP-N	018087
Polymer Headers, Analog Control, Electronic Ignition, Propane Gas			
P-R106A-AP-C	014781	P-M106A-AP-C	014799
P-R106A-AP-C	014782	P-M106A-AP-C	014800
P-R106A-AP-C	014783	P-M106A-AP-C	014801
Polymer Headers, Digital Control, Electronic Ignition, Propane Gas			
P-R156A-EP-C	014786	P-M156A-EP-C	014804
P-R156A-EP-C	014787	P-M156A-EP-C	014805
P-R156A-EP-C	014788	P-M156A-EP-C	014806
Digital with Polymer Headers, Copper Tubing, Electronic Ignition, Propane Gas			
P-R266A-EP-C #57	009225	P-M266A-EP-C #57	009975
P-R406A-EP-C #57	009227	P-M406A-EP-C #57	009977
P-R406A-EP-C #58	009231	P-M406A-EP-C #58	009981
P-R406A-EP-C #59	009235	P-M406A-EP-C #59	009985
P-R406A-EP-C #60	009239	P-M406A-EP-C #60	009989



RAYPAK TO RHEEM CROSS REFERENCE GUIDE

RESIDENTIAL POOL/SPA HEAT PUMPS

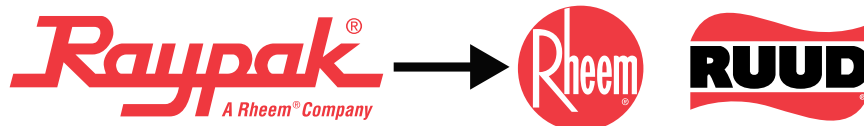
Raypak Product	Raypak Part No.	Rheem Product	Rheem Part No.
Crosswind			
50-I-R	017740	50-I-M	017744
65-I-R	017741	65-I-M	017745

Raypak Product & Part Number	Rheem Product & Part Number	Ruud Product & Part Number
Crosswind V		
TWPH-4550EHT08	TWPH-4550EHT10	TWPH-4550EHT11
TWPH-5550EHT08	TWPH-5550EHT10	TWPH-5550EHT11
TWPH-6550EHT08	TWPH-6550EHT10	TWPH-6550EHT11
TWPH-8550EHT08	TWPH-8550EHT10	TWPH-8550EHT11
TWPH-6550EHC08	TWPH-6550EHC10	TWPH-6550EHC11
TWPH-8550EHC08	TWPH-8550EHC10	TWPH-8550EHC11

E3T SINGLE-PHASE ELECTRIC POOL/SPA HEATERS

	Old Model		Updated "B" Model (Raypak Only)	
Brand	Model	Part Number	Model	Part Number
Raypak	ELS-R-0005-1-TI	017121	ELS-R-0005-1-TiB	100-10000662
Rheem	ELS-M-0005-1-TI	017125		
RUUD	ELS-D-0005-1-TI	017129		
Raypak	ELS-R-0011-1-TI	017122	ELS-R-0011-1-TiB	100-10000663
Rheem	ELS-M-0011-1-TI	017126		
RUUD	ELS-D-0011-1-TI	017130		
Raypak	ELS-R-0018-1-TI	017123	ELS-R-0018-1-TiB	100-10000665
Rheem	ELS-M-0018-1-TI	017127		
RUUD	ELS-D-0018-1-TI	017131		
Raypak	ELS-R-0027-1-TI	017124	ELS-R-0027-1-TiB	100-10000666
Rheem	ELS-M-0027-1-TI	017128		
RUUD	ELS-D-0027-1-TI	017132		

Note: Updated "B" models only offered under the Raypak Brand



PRODUCT NAME VS. MODEL NUMBER

Product Name	Model Number	Date of Manufacture
GBI	33, R33	05-01-85 through 12-31-93
Gemini 3	53	11-01-82 through 12-31-84
Spa Pak	053A	01-01-84 through 03-01-86
Spa Pak	053B	01-01-86 through 05-01-87
Spa Pak	ELS 552-2, 1102-2	11-01-83 through current
E3T	ELS 0005-1, 0011-1, 0018-1, 0027-1	09-30-18 through current
E3T 3-Phase	ELS 0018-3/4, 0024-3/4, 0030-3/4, 0045-4, 0054-4	1-23-23 through current
Versa	055A	05-01-87 through 09-30-89
Versa	055B	10-01-90 through 04-13-13
Versa	105A	10-01-91 through 05-30-99
Versa Plus	105B	06-01-99 through 07-31-06
“Raypak”, Rheem, Ruud	106A	06-01-13 through current
Versa	130A	10-03-05 through 05-31-13
Versa Plus	155A	11-87 through 10-31-91
Versa Plus	155B/C	09-01-91 through 06-30-06
“Raypak”, Rheem, Ruud	156A	06-01-13 through current
Versa	185A, 265A, 335A, 405A	11-01-86 through 10-15-88
Versa	185B/C, 265B/C, 335B/C, 405B/C	10-16-88 through 11-01-93
Versa Oil Fired	315A	01-01-90 through 09-11-98
Spa Pak II, California III	151	1974 through 12-01-81
Spa Pak III, Gemini	153	12-01-81 through 01-01-84
Spa Pak III, Gemini	153A	01-01-84 through 02-15-87
Gemini	181, 261, 331, 401	1974 through 02-01-1982
Gemini 3, Spa Pak	183, 263, 333, 403	12-01-81 through 02-28-84
Gemini 3, Spa Pak	183A, 263A, 333A, 403A	01-01-84 through 11-01-86
RP2100	R185, R265, R335, R405	11-01-93 through 10-31-98
RP2100	R185A, R265A, R335A, R405A	11-01-98 through 01-04-04
RP2100	R185B, R265B, R335B, R405B	10-20-03 through 10-21-04
“Raypak”, Rheem, Ruud	206A, 266A, 336A, 406A	10-22-05 through current
“Raypak”, Rheem, Ruud	207A, 267A, 337A, 407A	10-22-05 through current
AVIA	264A, 404A	01-04-22 through current
AVIA HD	264A, 404A	01-21-23 through current

GAS LINE SIZING CHART

Maximum Equivalent Pipe Length (ft)								
Natural Gas 1000 BTU/FT ³ 0.60 Specific Gravity @ 0.5 in. WC Pressure Drop								
Propane Gas 2500 BTU/FT ³ 1.53 Specific Gravity @ 0.5 in. WC Pressure Drop								
	3/4"		1"		1-1/4"		1-1/2"	
Model	N	P	N	P	N	P	N	P
206/207	25	60	90	215	360			
266/267	15	35	50	125	210	480	445	
336/337	10	20	30	80	140	320	290	
406/407	*	15	20	55	95	225	215	480
264	15	35	50	125	210	480	445	
404	*	15	20	55	95	225	215	280

*A 3/4" gas line can be used for up to 5 ft maximum length from the gas valve in addition to the sediment trap.

HEAT LOSS CALCULATION

HEAT LOSS FROM WATER SURFACE IN POOLS AND SPAS

		Air Velocity (Miles Per Hour)							
		0	0.35	0.68	1.6	3.4	6.81	13.63	34.09
Air	Water	Heat Loss, BTUH Per Square Foot							
80°F	80°F	17	34	40	49	66	106	185	330
	100F	50	96	113	135	186	280	460	920
	110°F	210	265	320	380	540	780	1250	2550
70°F	80°F	47	72	82	99	138	210	347	690
	100F	127	183	216	242	332	495	805	1610
	110°F	250	327	370	430	602	690	1425	2925
60°F	80°F	78	110	125	150	210	315	510	1050
	100F	205	270	320	350	480	710	1150	2300
	110°F	290	370	420	480	670	1000	1600	3300
50°F	80°F	106	140	160	187	260	382	615	1255
	100F	232	292	340	385	540	785	1275	2550
	110°F	320	395	445	515	670	1065	1740	3500

Heat loss from water surface at various air and water temperatures and air velocities at 70% humidity.

RESIDENTIAL POOL HEATER SIZING

HOW TO PICK THE RIGHT SIZE HEATER

Proper heater size is based on the time required to heat the pool or spa. If water is heated for each intended use, energy-saving rapid heating may be appropriate. If water is gradually heated to the desired temperature and then maintained at that temperature, a smaller heater may be acceptable. To determine proper heater size, use the following formula.

- A. Desired water temperature °F
- B. (Minus) Average air temperature °F
- C. (Equals) Total heat rise °F
- D. Total heat rise/hours required to heat equals required heat rise per hour.

Use the charts below to find the appropriate heater for your pool or spa.

NUMBER IN THE TABLE IS REQUIRED HEAT RISE PER HOUR (°F).

					Pool Size - Surface Area in Square Feet							
					Degree Rise per Hour							
Product Name	Model Number/s	Input (BTU/HR)	Thermal Efficiency	Output	300	400	500	600	700	800	900	1000
Spa Gas Heater	106	105,000	82%	86100	0.9	0.7	0.6	0.5	0.4	0.3	0.3	0.3
Spa Gas Heater	156	150,000	82%	123000	1.3	1.0	0.8	0.7	0.6	0.5	0.4	0.4
Digital Gas Pool/ Spa Heater	206/207	199,500	82%	163590	1.7	1.3	1.0	0.9	0.7	0.7	0.6	0.5
Digital Gas Pool/ Spa Heater	266/267	266,000	82%	218120	2.3	1.7	1.4	1.2	1.0	0.9	0.8	0.7
Digital Gas Pool/ Spa Heater	336/337	332,500	82%	272650	2.9	2.2	1.7	1.5	1.2	1.1	1.0	0.9
Digital Gas Pool/ Spa Heater	406/407	399,000	82%	327180	3.5	2.6	2.1	1.7	1.5	1.3	1.2	1.0
X94 Gas Heater	410	399,000	94%	375060	4.0	3.0	2.4	2.0	1.7	1.5	1.3	1.2
AVIA Gas Heater	264	264,000	84%	221760	2.4	1.8	1.4	1.2	1.0	0.9	0.8	0.7
AVIA Gas Heater	404	399,000	84%	335160	3.6	2.7	2.1	1.8	1.5	1.3	1.2	1.1

Note: Values calculated with an average pool depth of 5 ft.

RESIDENTIAL SPA HEATER SIZING

NUMBER IN THE TABLE IS REQUIRED HEAT RISE PER HOUR (°F).

					Spa Size In Gallons							
					Degree Rise per Hour							
Product Name	Model Number/s	Input (BTU/HR)	Thermal Efficiency	Output	300	400	500	600	700	800	900	1000
Spa Gas Heater	106	105,000	82%	86100	34.5	25.8	20.7	17.2	14.8	12.9	11.5	10.3
Spa Gas Heater	156	150,000	82%	123000	49.2	36.9	29.5	24.6	21.1	18.5	16.4	14.8
Digital Gas Pool/ Spa Heater	206/207	199,500	82%	163590	65.5	49.1	39.3	32.7	28.1	24.5	21.8	19.6
Digital Gas Pool/ Spa Heater	266/267	266,000	82%	218120	87.3	65.5	52.4	43.6	37.4	32.7	29.1	26.2
Digital Gas Pool/ Spa Heater	336/337	332,500	82%	272650	109.1	81.8	65.5	54.6	46.8	40.9	36.4	32.7
Digital Gas Pool/ Spa Heater	406/407	399,000	82%	327180	130.9	98.2	78.6	65.5	56.1	49.1	43.6	39.3
X94 Gas Heater	410	399,000	94%	375060	150.1	112.6	90.1	75.0	64.3	56.3	50.0	45.0
AVIA Gas Heater	264	264,000	84%	221760	88.7	66.6	53.2	44.4	38.0	33.3	29.6	26.6
AVIA Gas Heater	404	399,000	84%	335160	134.1	100.6	80.5	67.1	57.5	50.3	44.7	40.2

Spa sizing is based on an insulated and covered spa. Always cover your spa when not in use to minimize heat loss and evaporation, and to decrease the time needed to heat the water. Heat absorbed by the spa walls or lost by evaporation will add to the heat-up time.

For precise heater sizing go to
raypak.com/pool



The Pool Heating Experts

Learn more at
raypak.com/pool

2151 Eastman Avenue | Oxnard, CA 93030 | 805-278-5300

©2025 Raypak, Inc. RP-P-902-6 REV D | Effective 09-03-25 | Replaces 02-01-24