



**Triangle  
Tube**

**instinct**  
SOLO AND COMBI



**TO PREDICT THE FUTURE  
YOU HAVE TO CREATE IT**  
TRIANGLETUBE.COM

**THE  
ORIGINAL  
INNOVATORS**

Triangle Tube brings you the Instinct, the future of high-efficiency condensing boilers.

**INSTINCT SPECIFICATIONS & FEATURES**

Instinct model	Solo 110	Solo 155	Solo 199	Combi 155	Combi 199
Min Input (BTU)	13,750	19,375	24,875	19,375	24,875
Max Input (BTU)	110,000	155,000	199,000	155,000	199,000
Turndown Ratio	8:1	8:1	8:1	8:1	8:1
AFUE	95%	95%	95%	95%	95%
DOE Heating Capacity (MBH)	102	142	184	142	184
AHRI Net Rating (MBH)	89	123	159	123	159
Fuel	NG & LP	NG & LP	NG & LP	NG & LP	NG & LP
Gas Connection	3/4"	3/4"	3/4"	3/4"	3/4"
Supply / Return Connections	1"	1"	1"	1"	1"
Domestic Inlet/Outlet Connections	-	-	-	3/4"	3/4"
Vent/Air Connections	3"	3"	3"	3"	3"
2" Maximum Vent Length	33'	33'	-	33'	-
3" Maximum Vent Length	100'	100'	100'	100'	100'
Water Volume (Gallons)	2	3	4	3	4
DHW Output GPM (70°F Rise)	-	-	-	4.0	5.3
DHW Output GPM (75°F Rise)	-	-	-	3.7	4.9
DHW Output GPM (80°F Rise)	-	-	-	3.5	4.6
DHW Minimum Flow Rate (GPM)	-	-	-	0.5	0.5
DHW Maximum Operating Pressure (PSI)	-	-	-	150	150
CH Maximum Flow Temperature (°F/°C)	185 (85)	185 (85)	185 (85)	185 (85)	185 (85)
DHW Maximum Flow Temperature (°F/°C)	-	-	-	150 (65)	150 (65)
Cabinet Height	26"	26"	26"	33"	33"
Cabinet Width	21 3/4"	21 3/4"	21 3/4"	21 3/4"	21 3/4"
Cabinet Depth	16 1/2"	16 1/2"	16 1/2"	16 1/2"	16 1/2"
Weight (Lbs)	75	95	105	110	130

**INDUSTRY LEADING WARRANTY PROGRAM**



- Good – 2-year parts and 10-year primary heat exchanger warranty
- Better – 5-year parts, 2-year labor allowance, and 10-year primary heat exchanger warranty with registration
- Best – 6-year parts, 3-year labor allowance, and 10-year primary heat exchanger warranty with Site Accreditation\*

**STAINLESS STEEL FIRE TUBE HEAT EXCHANGER**



- ASME Certified
- 50 PSI Maximum working pressure

**VENTING**



- 2" Vent Instinct 110 & 155 up to 33'
- 3" Vent all models up to 100'
- 3 in 1 Universal vent adapter directly accepts PVC, Polypropylene, Stainless Steel

**CTRLMAX CONTROL SYSTEM**



- EZ Setup allows for quick 60 second setup
- Easy troubleshooting in plain text, no codes
- Operate up to 3 circulators
- Outdoor reset to optimize efficiency
- Domestic hot water priority to maximize hot water production
- Accepts 0-10 VDC signal
- ModBus ready

**COMBI FEATURES**



- Endless hot water
- Large brazed plate heat exchanger to maximize efficiency
- Condensing in DHW Mode

**INTEGRATED CASCADE**



- Integrated cascade function for up to 6 Instinct Solo boilers

\* Verification that the combustion levels are within the acceptable parameters provided in the installation manual  
instinctspec-2019-13 revised 5.1.19