



**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,

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

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 4.25.19