

# Boiler

## Medium Mass

316L Stainless Steel, Fire Tube Heat Exchanger

10 to 1 Turndown Ratio

Advanced Modulating Gas Condensing Boiler; up to 96% AFUE

Universal Piping Location: Installer Connection Can Easily be Moved from Left to Right Side of Floor Units

Venting: 2" or 3" PVC, CPVC or Polypropylene

No Primary / Secondary Piping Needed

Supply and Return Connections on Either Top, Left or Right

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# **High Efficiency**



Wall & Floor Units







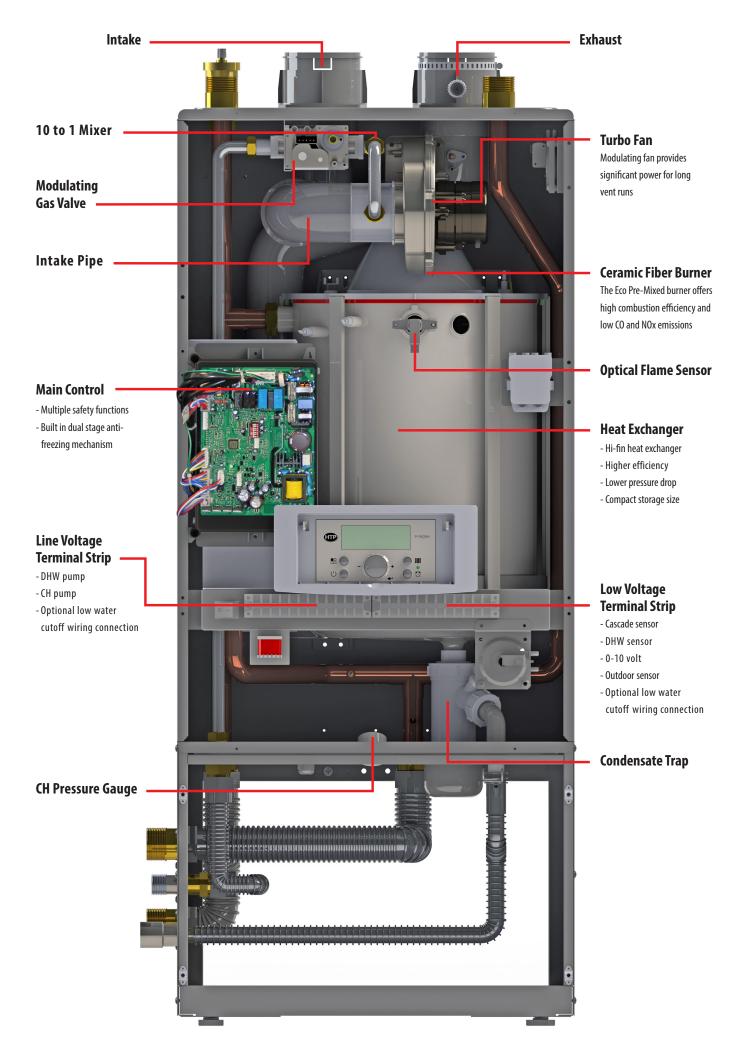




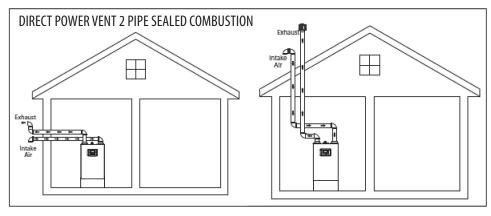
A BRAND OF 值

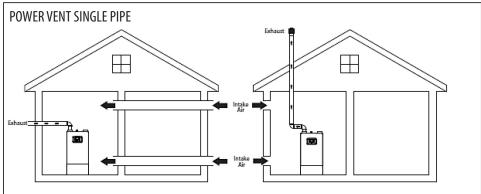


FIGHTING THE HIGH COST OF HEATING

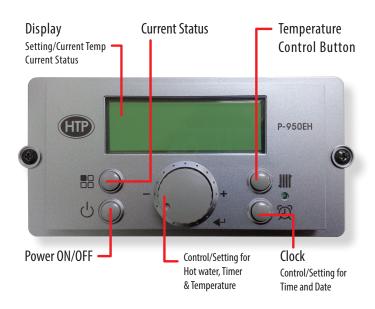


### MULTIPLE VENTING CONFIGURATIONS

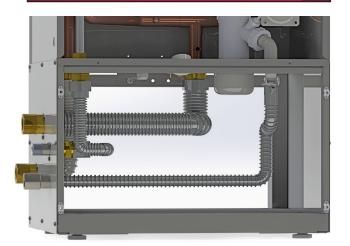




# MULTIFUNCTION CONTROL PANEL



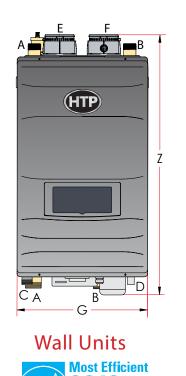
### CONNECTIONS

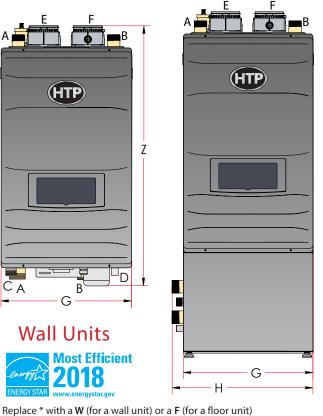


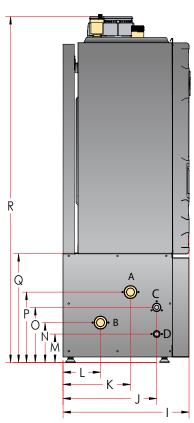
Supply / Return
Gas Inlet
Condensate Drain

1 1/4" NPT 3/4" NPT 3/4" PVC

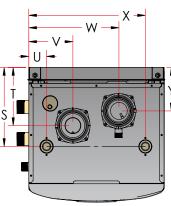
All the bottom connections (Supply/Return/Condensation/ Gas) can be located on either side of the boiler (Left or Right) to make installation easier.







### Floor Units



	Description	Diameter					
Α	CH Supply Adapter	1-1/4" NPT					
В	CH Return Adapter	1-1/4" NPT					
c	Gas Connection Adapter	3/4" NPT					
D	Condensate Drain Adapter	1/2" NPT					
Е	Air Intake Pipe Connection	3"					
F	Exhaust Pipe Connection	3"					

All the bottom connections (boiler, domestic, condensation & gas) can be located on either side of the unit. Fittings are shipped on the left side of the boiler.

UFT-80   UFT-100   17.5   19.1   16.8   12   8.5   4.5   4   4.5   6.5   8.5   13.5   45   10   7.4   2.3   5.7   11.5   14.9   5.5   3   15.7   15.5   15	Replace with a	VV (IOI a	ı wan uı	iit) Oi a	i (itti a	are snipped on the left											ie ieit sit	ie oi tiii	e bollet.			
UFT-100	MODELS	G	Н	ı	J	К	L	М	N	0	Р	Q	R	S	Т	U	V	w	х	Υ	Z	
UFT-120 UFT-175 UFT-179		17.5	101	160	12	0.5	4.5		4.5	6.5	0.5	12.5	45	1.0	7,	2.2		115	140		24	
Mode		17.5	19.1	16.8	12	8.5	4.5	4	4.5	6.5	8.5	13.5	45	10	7.4	2.3	5./	11.5	14.9	5.5	34	
Installation		19.7	21.5	18.1	12	8.5	4.5	4	4.5	6.5	8.5	13.5	48	9.2	7.1	2.2	7.2	14.0	16.0	5.2	37	
AFUE	Model				UFT-80* UFT-100*			)*	UFT-120*			UFT-140*			UFT-175*			UFT-199*				
Input Rate (Btuh)	ı	Installa	tion			Indoor, Wall Mounted Model or Floor Model, Fully Condensing																
Heating Capacity (MBH)   76   95   114   133   166   189	AFUE				95.4 95.1					95.6			95.0			95.9			96.0			
Sealed Combustion Direct Vent, Power Vent	Input Rate (Btuh)				8,000 ~ 80,000 10,000 ~ 100,000				12,000 ~ 120,000			14,000 ~ 140,000			19,900 ~ 175,000			19,900 ~ 199,000				
Vent Run         2"(50ft), 3"(100ft) / Schedule 40 PVC, CPVC, PP           Weight Wall Mount Model         90 lbs.         100 lbs.         110 lbs.           Weight Flor Model         120 lbs.         130 lbs.         140 lbs.           Gas Supply Pressure         Natural Gas Propane Gas         3.5"W.C ~ 14"W.C           Power Supply Maximum Power         120V 60 Hz., 6A           Ignition System         Direct Electronic Ignition / Automatic Flame Sensing           Burner System         Premixed Fuel Modulation / Ceramic Fiber Infared           Gas Valve System         Combination Modulation (Current Proportional)           Wall Mount Model Dimensions (Wx H x D)         W 17.5" x H 34" x D 15.4"         W 19.7" x H 37" x D 16.8"           Floer Model Dimensions (W x H x D)         W 19" x H 45" x D 17"         W 22" x H 48" x D 18"           Heat Exchanger         316L Stainless Steel - 3 Gallon Water Capacity           Water Pressure         12 min - 30 max PSI           Connection Sizes         Supply/Return         1 1/4" NPT           Cabinet Materials         Wall Mount Model         Painted Cold Rolled Carbon Steel	Heating Capacity (MBH)				76	5	95 114 133						3		166			189				
Weight Wall Mount Model         90 lbs.         100 lbs.         110 lbs.           Weight Flor Model         120 lbs.         130 lbs.         140 lbs.           Gas Supply Pressure         Natural Gas         3.5"W.C ~ 14"W.C           Propane Gas         3.5"W.C ~ 14"W.C           Main Supply         120V 60 Hz, 6A           Maximum Power         160W           Burner System         Direct Electronic Ignition / Automatic Flame Sensing           Burner System         Premixed Fuel Modulation / Ceramic Fiber Infared           Combination Modulation (Current Proportional)           Wall Mount Model Dimensions (W x H x D)         W 17.5" x H 34" x D 15.4"         W 19.7" x H 37" x D 16.8"           Floor Model Dimensions (W x H x D)         W 19" x H 45" x D 17"         W 22" x H 48" x D 18"           Heat Exchanger         316L Stainless Steel - 3 Gallon Water Capacity           Water Pressure         1 1/4" NPT           Connection Sizes           Supply/Return         1 1/4" NPT           Gas Inlet           Wall Mount Model         Painted Cold Rolled Carbon Steel	Flue System									·	Sealed	Combu	stion Di	rect Vent	, Power	Vent						
Weight Floor Model   120 lbs.   130 lbs.   140 lbs.	Vent Run					2"(50ft), 3"(100ft) / Schedule 40 PVC, CPVC, PP																
Gas Supply Pressure       Natural Gas       3.5"W.C ~ 14"W.C         Power Supply       Main Supply       120V 60 Hz, 6A         Bower Supply       Direct Electronic Ignition / Automatic Flame Sensing         Burner System       Direct Electronic Ignition / Automatic Flame Sensing         Burner System       Premixed Fuel Modulation / Ceramic Fiber Infared         Gas Valve System       Combination Modulation (Current Proportional)         Wall Mount Model Dimensions (W x H x D)       W 17.5" x H 34" x D 15.4"       W 19.7" x H 37" x D 16.8"         Floor Model Dimensions (W x H x D)       W 19" x H 45" x D 17"       W 22" x H 48" x D 18"         Heat Exchanger       316L Stainless Steel - 3 Gallon Water Capacity         Water Pressure       1 2 min - 30 max PSI         Connection Sizes         Gas Inlet       3/4" NPT         Wall Mount Model       Painted Cold Rolled Carbon Steel	Weight Wall Mount Model				90 lbs.					100 lbs.						110 lbs.						
Pressure Propane Gas 3.5"W.C ~ 14"W.C  Main Supply 120V 60 Hz, 6A  Ignition System Direct Electronic Ignition / Automatic Flame Sensing  Burner System Premixed Fuel Modulation / Ceramic Fiber Infared  Gas Valve System Combination Modulation (Current Proportional)  Wall Mount Model Dimensions (W x H x D) W 17.5" x H 34" x D 15.4" W 19.7" x H 37" x D 16.8"  Floor Model Dimensions (W x H x D) W 19" x H 45" x D 17" W 22" x H 48" x D 18"  Heat Exhanger 316L Stainless Steel - 3 Gallon Water Capacity  Water Pressure 12 min - 30 max PSI  Connection Sizes Gas Inlet Salphy/Return 1 1/4" NPT  Gas Inlet Wall Mount Model Painted Cold Rolled Carbon Steel	Weight Floor Model				120 lbs.						130 lbs.						140 lbs.					
Proper Supply  Main Supply  Maximum Power  Ignitior System  Burner System  Burner System  Premixed Fuel Modulation / Ceramic Fiber Infared  Gas Valve System  Combination Modulation (Current Proportional)  Wall Mount Model Dimensions (W x H x D)  W17.5" x H 34" x D 15.4"  W19.7" x H 37" x D 16.8"  Floor Model Dimensions (W x H x D)  W19" x H 45" x D 17"  W22" x H 48" x D 18"  W19.7" x H 37" x D 16.8"  Theat Exhanger  Water Pressure  Supply/Return  Gas Inlet  Gas Inlet  Wall Mount Model  Painted Cold Rolled Carbon Steel		Gas Supply			3.5"W.C ~ 14"W.C																	
Power Supply         Maximum Power       160W         Ignition System       Direct Electronic Ignition / Automatic Flame Sensing         Burner System       Premixed Fuel Modulation / Ceramic Fiber Infared         Gas Valve System       Combination Modulation (Current Proportional)         Wall Mount Model Dimensions (W x H x D)       W 17.5" x H 34" x D 15.4"       W 19.7" x H 37" x D 16.8"         Floor Model Dimensions (W x H x D)       W 19" x H 45" x D 17"       W 22" x H 48" x D 18"         Heat Exhanger       316L Stainless Steel - 3 Gallon Water Capacity         Water Pressure       12 min - 30 max PSI         Connection Sizes       Supply/Return       1 1/4" NPT         Gas Inlet       3/4" NPT         Wall Mount Model       Painted Cold Rolled Carbon Steel	Pressure Propane Gas				3.5"W.C ~ 14"W.C																	
Maximum Power   160W	Power Supply	,	Main Supply			120V 60 Hz, 6A																
Burner System Premixed Fuel Modulation / Ceramic Fiber Infared  Gas Valve System Combination Modulation (Current Proportional)  Wall Mount Model Dimensions (W x H x D) W 17.5" x H 34" x D 15.4" W 19.7" x H 37" x D 16.8"  Floor Model Dimensions (W x H x D) W 19" x H 45" x D 17" W 22" x H 48" x D 18"  Heat Exchanger 316L Stainless Steel - 3 Gallon Water Capacity  Water Pressure 12 min - 30 max PSI  Connection Sizes Gas Inlet 3/4" NPT  Wall Mount Model Painted Cold Rolled Carbon Steel					er	160W																
Gas Valve System  Combination Modulation (Current Proportional)  Wall Mount Model Dimensions (W x H x D)  W 17.5" x H 34" x D 15.4"  W 19.7" x H 37" x D 16.8"  W 19.7" x H 37" x D 16.8"  W 22" x H 48" x D 18"  W 22" x H 48" x D 18"  W 22" x H 48" x D 18"  I 2 min - 30 max PSI  Supply/Return  Gas Inlet  Gas Inlet  Wall Mount Model  Painted Cold Rolled Carbon Steel	Ignition System																					
Wall Mount Model Dimensions (W x H x D)  Floor Model Dimensions (W x H x D)  W 17.5" x H 34" x D 15.4"  W 19.7" x H 37" x D 16.8"  W 22" x H 48" x D 18"  W 22" x H 48" x D 18"  W 22" x H 48" x D 18"  Supply/Return  1 1/4" NPT  Gas Inlet  Wall Mount Model  Painted Cold Rolled Carbon Steel																						
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Heat Exchanger  Water Pressure  12 min - 30 max PSI  2 min - 30 max PSI  3 1 1/4" NPT  3 1 1/4" NPT  4 3 1 1/4" NPT  5 3 1 1/4" NPT  4 3 1 1/4" NPT  5 3 1 1/4" NPT  6 3 1 1/4" NPT  7 3 1 1/4" NPT  8 3 1 1/4" NPT  9 3 1 1/4" NPT  Painted Cold Rolled Carbon Steel				D)											_							
Water Pressure 12 min - 30 max PSI  Connection Sizes Supply/Return 1 1/4" NPT  Gas Inlet 3/4" NPT  Wall Mount Model Painted Cold Rolled Carbon Steel																						
Connection Sizes  Supply/Return 1 1/4" NPT  Gas Inlet 3/4" NPT  Wall Mount Model Painted Cold Rolled Carbon Steel											316L St					pacity						
Connection Sizes Gas Inlet 3/4" NPT Wall Mount Model Painted Cold Rolled Carbon Steel											12			l								
Wall Mount Model Painted Cold Rolled Carbon Steel  Cabinet Materials	Connection Sizes	es 📙			1																	
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Floor Model Galvaneal	Cabinet Materia										P	ainted C			n Steel							
	Floor Mod			r Model									Galva	ineal								

Limited 10 Year Residential Warranty