

Q175S / Q205S Condensing Boiler

Standard Features

- Onboard outdoor reset control system with sensor standard
- Prebuilt plumbing kit with Low Loss Header
- Priority DHW standard (3 way valve not included)
- Modulating Ceramic premix burner
- 5:1 turn down ratio
- Spark ignition
- Exceeds SCAQMD 1146.2 Low NO_x requirements
- Stainless Steel Water tube condensing heat exchanger
- Direct Vent sealed combustion
- Concentric and twin pipe venting adapters included
- Approved for room and closet installations

Optional Accessories

- 3 way valve DHW kit
- RS100 Single zone controller
- Flue Gas temperature sensor
- Room Air Filter
- NG to LP conversion Kit
- LP to NG Conversion Kit

SPECIFICATIONS

General Specifications

	Units	Boiler Model	Boiler Model
		Q175S	Q205S
Water content	gal	1.8	1.8
Max. supply boiler temperature	°F	176	176
Max operating pressure	psi	45	45
Relief valve rating	MBH	375	375
Relief valve pressure rating	psi	30	30
Dry weight	lbs	141	141
Min inlet gas pressure NG	"W.C.	4.0"	4.0"
Max inlet gas pressure NG	"W.C.	10.5"	10.5"
Min inlet gas pressure LP	"W.C.	8.0"	8.0"
Max inlet gas pressure LP	"W.C.	14.0"	14.0"
Max equivalent exhaust vent length	ft	80	40
Max equivalent combustion air vent length	ft	80	40
Approved venting materials		Polypropylene, Stainless Steel, PVC, CPVC	

Performance Specifications

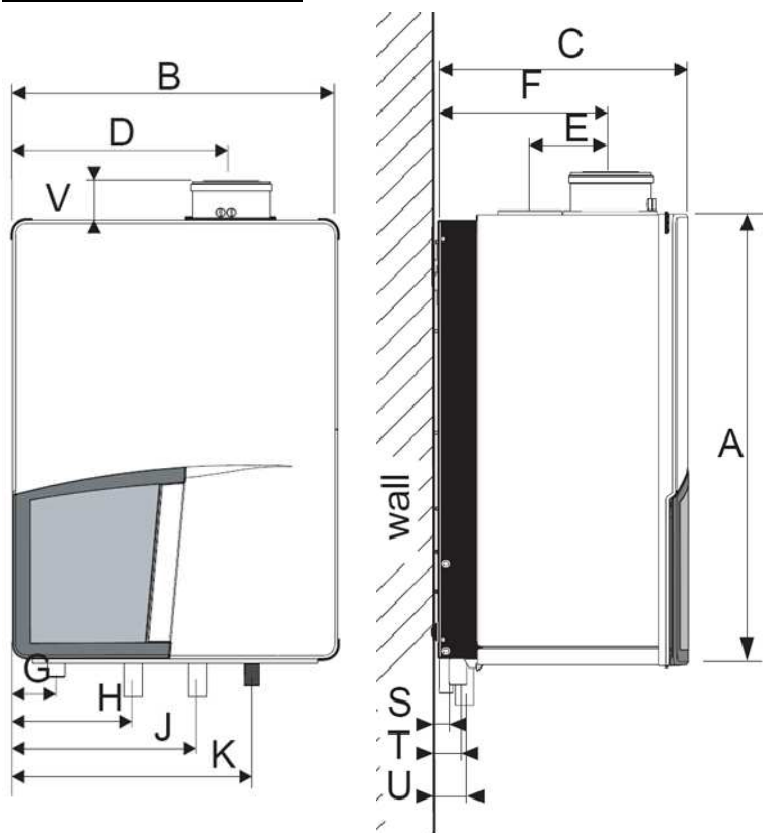
	Units	Boiler Model	
		Q175S	Q205S
Fuel Type		NG/LP	NG/LP
Input	MBH	175	205
Heating Capacity	MBH	161	189
AFUE (I=B=R)	%	95.7	95.7
Part Load Efficiency (EN677)	%	98.5	98.5

Electrical Specifications

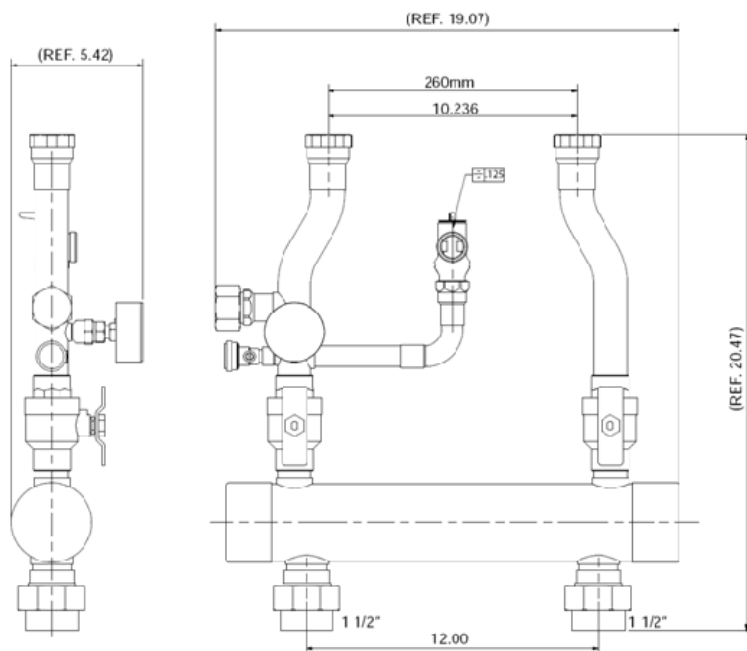
	Units	Boiler Model	
		Q175S	Q205S
Electrical Voltage Mains	V/Hz	120/60	120/60
Electrical Voltage Controls	V	24	24
Power Consumption Max Load	W	210	234
Power Consumption Stand by Load	W	14	14
Recommended Circuit breaker rating	A	15	15

Rinnai is continually updating and improving products; therefore, specifications are subject to change without prior notice. Local, state, provincial and federal codes must be adhered to prior to installation.

DIMENSIONS



		Q175S, Q205S
		inch / mm
A	Height	26.8 / 680
B	Width	26 / 660
C	Depth	15.2 / 385
D	Left side / vent	19.5 / 495
E	Center to center / vent and air supply	4.7 / 120
F	Back / vent	10.6 / 270
G	Left side / gas pipe	2.6 / 65
H	Left side / supply pipe	7.3 / 185
J	Left side / return pipe	17.5 / 445
K	Left side / condensate pipe	20.9 / 530
P	Pipe length of g	0.7 / 18
Q	Pipe length of c	2 / 50
R	Pipe length of e, f, k, r, and w	2.3 / 60
S	Back / center of pipe c	1 / 25
T	Back / Center of pipe g	1.6 / 40
U	Back, / center of pipe e, f, k, r, and w	2 / 50
V	Pipe length vent co-axial Pipe length vent parallel	2.6 / 65 5.8 / 147



Clearances

	Minimum required clearance to combustibles and non-combustibles	Recommended service clearances
	inch / mm	inch / mm
Top	2 / 50	10 / 250
Back	0	0
Front	6 / 150	24 / 600
Left side	2 / 50	2 / 50
Right side	2 / 50	2 / 50
Floor / Ground	12 / 300	30 / 762
Vent	0	0