

Raypak Tankless Commercial Applications

*Our NH-188 and NH-208 series models are for
HIGH-VOLUME COMMERCIAL USE!*



Restaurants



Hotels



Laundromats



Multiple-Family
Housing



Tankless Commercial water heaters
Continuous hot water

Commercial Tankless from Raypak



OUTDOOR



INDOOR DIRECT VENT



208DV indoor direct vent and 208X outdoor natural and LP models – 11,000 - 199,900 BTU max.
9.5 gal./min at 35° F rise max., 7.4 gal./min. at 45° F rise

188DV indoor direct vent and 188X outdoor natural and LP models – 11,000 - 180,000 BTU max.
8.4 gal./min at 35° F rise max., 6.7 gal./min. at 45° F rise

Limited Warranty:

5-Year on heat exchanger and parts, 1-Year on labor

See Warranty Information Certificate for complete warranty information.

- Integral Connection 3"/5" Concentric Vent System with Integrated Condensate Collector
- Connects to Metal Fab[®] Inc., 3"/5" Concentric Venting without an adapter
- Next Generation Burner Technology
- **Industry Best!** .26 GPM Minimum Flow Rate, .40 GPM Minimum Activation Flow Rate
- UMC-117 remote controller and 10 ft. of thermostat wire is included
- EZ-Link™ cable available for high demand applications to connect two tankless heaters to operate as one
- Manifold up to 6 units with an optional MIC-6 manifold control board
- Manifold up to 20 units with optional MIC-185 and MICS-185 assemblies.
- High-altitude capability – up to 9,840 ft. elevation above sea level - the program chip does not need to be substituted.
- **Exclusive!** Guardian OFW™ overheat film wrap
- All Raypak tankless models are third-party efficiency certified by AHRI
- Continuous hot water, energy saving and compact, space saving design
- Easy to install
- Intelligent electronic controls designed to increase energy efficiency and safety
- Self Diagnostic System
- Digital display shows temperature setting and maintenance codes
- Integral electric blower
- Environmentally friendly Low NOx burner meets SCAQMD's stringent new requirements for 2012
- Freeze protection to -30° F

Product appearances may differ.

Raypak COMMERCIAL TANKLESS

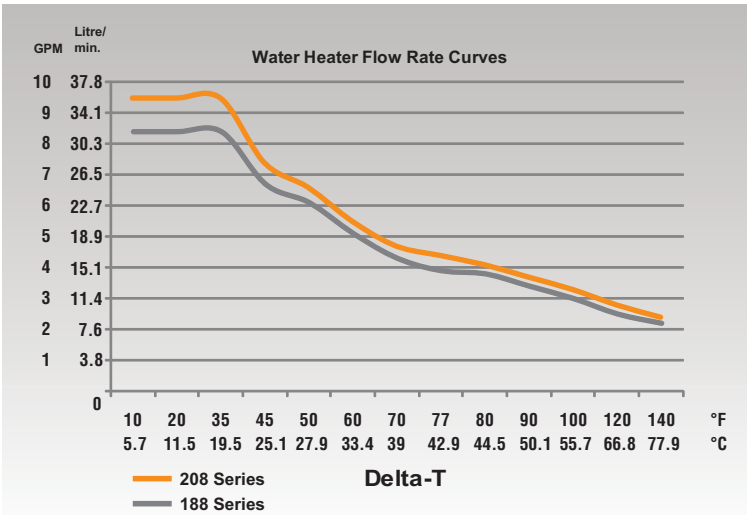
Specifications

DESCRIPTION			FEATURES				UNIT DIMENSIONS						ENERGY INFO.	
MODEL NUMBER	GAS INPUT TYPE BTU/HR. (kw)	TYPE	TEMP. RISE MAX. °F	WATER FLOW RATE			CONNECTION		HEIGHT (IN.) (*mm)	WIDTH (IN.) (*mm)	DEPTH (IN.) (*mm)	VENT DIAMETER (IN.) (*mm)	SHIP. WEIGHT (LBS.) (*kg)	ENERGY FACTOR
				GPM @ 77° RISE MAX. (*L/Min.)	GPM @ 45° RISE MAX. (*L/Min.)	GPM @ 35° RISE MAX. (*L/Min.)	GAS (IN.) (*mm)	WATER (IN.) (*mm)						
NH-208DV	11,000-199,900 3.22 -58.3	Indoor	85 to 185	4.3 16.3*	7.4 28.0*	9.5 36.0*	3/4 N/A	3/4 N/A	25-5/8 651*	13-7/8 352*	9-7/8 251*	3X5 80X125*	54 24.5*	.82 .82
NH-208X	11,000-199,900 3.22 -58.3	Outdoor	85 to 185	4.3 16.3*	7.4 28.0*	9.5 36.0*	3/4 N/A	3/4 N/A	25-5/8 651*	13-7/8 352*	8-7/8 225*	N/A	54 24.5*	.82 .82
NH-188DV	11,000-180,000 3.22 -52.7	Indoor	85 to 185	3.9 14.7*	6.7 25.3*	8.4 31.8*	3/4 N/A	3/4 N/A	25-5/8 651*	13-7/8 352*	9-7/8 251*	3X5 80X125*	54 24.5*	.82 .82
NH-188X	11,000-180,000 3.22 -52.7	Outdoor	85 to 185	3.9 14.7*	6.7 25.3*	8.4 31.8*	3/4 N/A	3/4 N/A	25-5/8 651*	13-7/8 352*	8-7/8 225*	N/A	54 24.5*	.82 .82

Model	Temperature Rise (° F)								
	35°	45°	50°	60°	70°	77°	80°	90°	100°
NH-208 Flow(GPM)	9.5	7.4	6.6	5.5	4.7	4.3	4.1	3.7	3.3
NH-188 Flow(GPM)	8.4	6.7	6.1	5.1	4.3	3.9	3.8	3.4	3.0

Model	Temperature Rise (° C)								
	19.5°	25.1°	27.9°	33.4°	39°	42.9°	44.5°	50.1°	55.7°
NH-208 Flow(L/Min)	36	28	25	20.8	17.8	16.3	15.5	14	12.5
NH-188 Flow(L/Min)	31.8	25.3	23.1	19.3	16.3	14.7	14.4	12.9	11.4

Above estimates are for sizing purposes only.



All models are available in Natural Gas and Propane (LP).
For Propane replace the N with P when ordering.

- Factory set maximum temperature is 120° F. See Use and Care Manual for setting.
- Consult factory for information on sizing the application.
- Vent Termination Kits are required for Direct Vent models. Contact your distributor for details.

Proper gas pressure must be ensured to supply tankless gas water heaters – up to 199,900 BTU for 208 models, and up to 180,000 BTU for 188 models. (Consult your gas supplier)

These units are designed to meet or exceed ANSI (American National Standards Institute) requirements and have been tested according to D.O.E. test procedures and meet or exceed the energy efficiency requirements of NAECA, ASHRAE standard 90, ICC Code and all state energy efficiency performance criteria for energy consuming appliances.

Before purchasing this appliance, read important energy cost and efficiency information available from your supplier.

Energy Factor D.O.E. (Department of Energy) test procedures.



Raypak COMMERCIAL TANKLESS

Do You Need A Bigger BTU Tankless Unit? EZ-Link™ TWO Tankless Water Heaters Together!

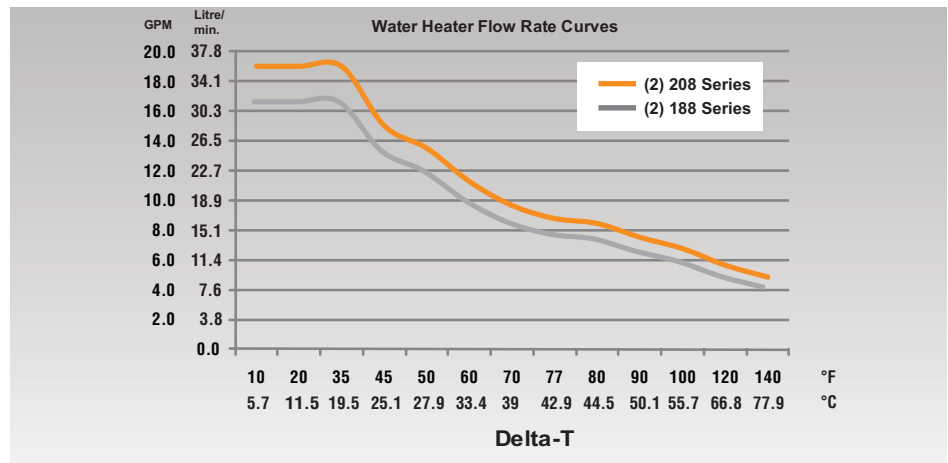


- Double the system capacity
- System redundancy
- ASME *NOT* required

With (2) NH-208 units you get 399,800 BTU and a flow rate of 14.8 GPM at a 45°F rise

With (2) NH-188 units you get 360,000 BTU and a flow rate of 13.4 GPM at a 45°F rise

E-Z Link will allow two tankless water heaters to communicate as one. A perfect solution for the light commercial application.



Model	Temperature Rise (° F)												
	10°	20°	35°	45°	50°	60°	70°	77°	80°	90°	100°	120°	140°
(2) 208 Flow (GPM)	19.0	19.0	19.0	14.8	13.2	11.0	9.4	8.6	8.2	7.4	6.6	5.6	4.8
(2) 188 Flow (GPM)	16.8	16.8	16.8	13.4	12.2	10.2	8.6	7.8	7.6	6.8	6.0	5.1	4.3

Model	Temperature Rise (° C)												
	5.7°	11.4°	19.5°	25.1°	27.9°	33.4°	39°	42.9°	44.5°	50.1°	55.7°	66.8°	77.9°
(2) 208 Flow (L/min.)	71.9	71.9	71.9	56	50	41.7	35.6	32.6	30.3	28	25	21.2	18.2
(2) 188 Flow (L/min.)	63.7	63.7	63.7	50.8	46.2	38.6	32.6	29.5	28.8	25.7	22.7	19.3	16.3

Above estimates are for sizing purposes only.

Need More Heat? Manifold Multiple Units Systems! (with optional sequencing controller)

- Systems from 180,000 BTU to 3,998,000 BTU
- Up to 20 tankless InstantPak
- Flow rates from .26 GPM to 190 GPM
- Multi-unit redundancy
- Direct recirculation capable – no tank needed
- External sequencing controller

In keeping with its policy of continuous progress and product improvement, Raypak reserves the right to make changes without notice.

Tankless Commercial water heaters

Continuous hot water



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