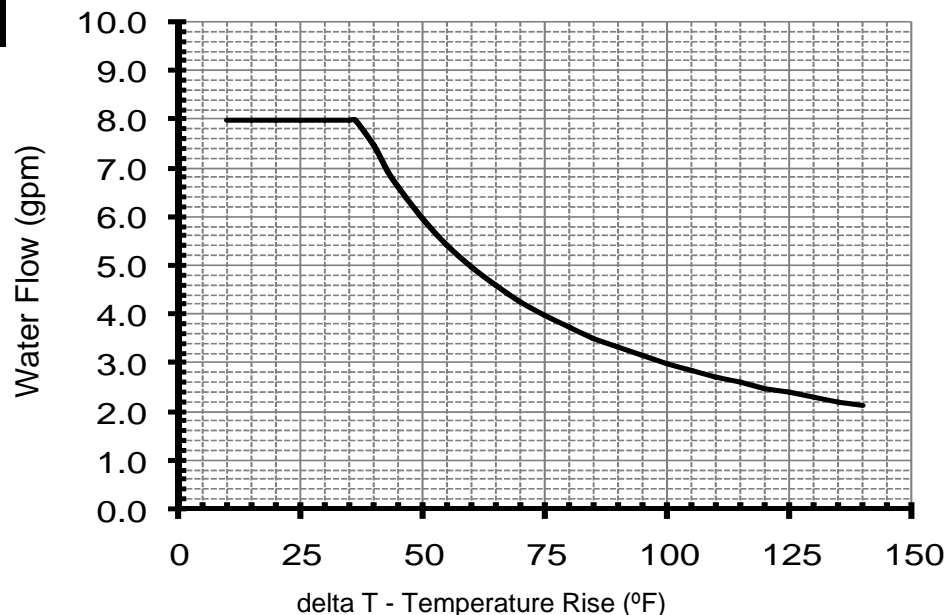


## RC80HPi (KA2530FFUD)

<b>Type of Appliance</b>	Condensing, Tankless, Temperature controlled, continuous flow, gas hot water system, Energy Star Qualified
<b>Rinnai model number</b>	REU-KA2530FFUD-US
<b>Operation / Installation</b>	Forced combustion; indoor only
<b>Minimum/Maximum Gas Rate (Input)</b>	9,500 (Natural Gas), 10,300 (Propane) - 157,000 BTU/h
<b>Electrical</b>	Appliance: AC 120 Volts - 60 Hz Temperature Controller: DC 12 Volts
<b>Electrical Consumption</b>	Normal 63 watts Standby 2 watts Anti-frost protection 220 watts
<b>Ignition System</b>	Direct electronic ignition
<b>Hot Water Capacity</b>	0.4 to 6.0 GPM (50° F rise)      0.4 to 8.0 GPM (35° F rise)
<b>Temperature</b>	98° - 120° F (factory default) Maximum temperature is selectable at 120° F or at 140° F; 98° - 185° F available with the MCC-91 controller for commercial and hydronic applications
<b>Temperature (without remote)</b>	120° F (factory default)
<b>Approved Gas Types</b>	Natural or Propane (ensure unit matches gas type)
<b>Thermal Efficiency</b>	Natural Gas: 95%      Propane: 95%
<b>Energy Factor (EF)</b>	Natural Gas: 0.93 (not final)      Propane: 0.93 (not final)
<b>Service Connections</b>	Gas supply: 3/4 inch MNPT Cold water inlet: 3/4 inch MNPT Hot water outlet: 3/4 inch MNPT
<b>Water Flow Control</b>	Water flow sensor, electronic water control and by-pass control
<b>Minimum/Maximum Water Supply Pressure</b>	15 - 150 PSI (50 PSI or above is recommended for maximum flow)

**FLOW TABLE**



## RC80HPi (KA2530FFUD)

### Controller

MC-91-1US (included)  
 Deluxe controller: MC-100V-1US (optional)  
 Bathroom controller: BC-100V-1US (optional)  
 MCC-91-1US (for commercial applications)

### Controller Cable

Non-polarized two-core cable, minimum 22 AWG

### Safety Devices

- Flame failure - Flame Rod
- Boiling protection
- Combustion fan rpm check
- Over current - glass fuse (3 amp)
- Remaining flame (OHS)
- Thermal fuse
- Automatic frost protection

### Clearances from Combustibles

\* 24 inches required for serviceability

- Top of heater - 12 inches
- Front of heater - 6 inches \*
- Sides of heater - 2 inches
- Back of heater - 0 inches
- Bottom of heater - 12 inches
- From vent pipe - 0 inches

### Clearances from Non-combustibles

\* 24 inches required for serviceability

- Top of heater - 2 inches
- Front of heater - 6 inches \*
- Sides of heater - 1/2 inches
- Back of heater - 0 inches
- Bottom of heater - 2 inches
- From vent pipe - 0 inches

### Min. / Max. Gas Supply Pressure

Natural Gas: min 5" W.C. max 10.5" W.C.  
 Propane Gas: min 8" W.C. max 13.5" W.C.

### Manifold Gas Pressure (inches W.C.)

Natural Gas: high fire 2.9" W.C. low fire 0.70" W.C.  
 Propane Gas: high fire 3.7" W.C. low fire 1.06" W.C.

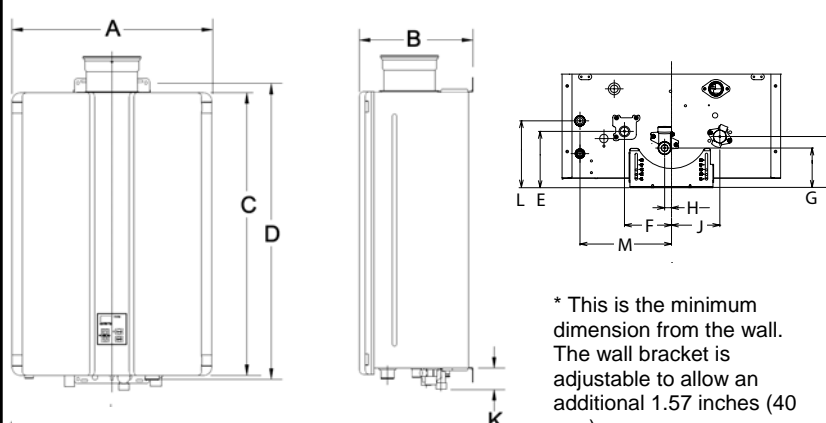
### NOx

Meets California and Texas NOx Emission Rules

### Warranty

Heat exchanger: 12 years\* for residential and 5 years\* for commercial and hydronic applications; (10 years\* if used with the Rinnai Hydronic Air Handler); all other parts 5 years\*; labor 1 year; (\* 3 years if used as a circulating water heater within a circulation loop, when the water heater is in series with a circulation system and all circulating water flows through the water heater)

*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		WEIGHT: 63.9 lb (29 kg)		DIM	DESCRIPTION	in (mm)
				A	Width	18.5 (470)
				B	Depth	10.5 (266.9) *
				C	Height - Unit	26.4 (670)
				D	Height - with brackets	28.5 (723.2)
				E	Hot Water Outlet - from wall	4.3 (110) *
				F	Hot Water Outlet - from center	3.9 (100)
				G	Cold Water Inlet - from wall	2.9 (74.6) *
				H	Cold Water Inlet - from center	1.1 (27.7)
				I	Gas Connection - from wall	3.9 (99) *
				J	Gas Connection - from center	4.1 (103.2)
				K	From base to gas connection	1.6 (40.2)
					From base to cold connection	2.0 (50.2)
					From base to hot connection	1.6 (41.2)
				L	Condensate Dain - from wall	5.2 (132.6) *
M	Condensate Drain - from center	7.7 (195)				