

RESIDENTIAL



CLEARANCES

	To Combustibles in. (mm)	To Non-Combustibles in. (mm)
Top	12 (305)	2 (51)
Back	0 (zero)	0 (zero)
Front (Panel)	24 (610)	0 (zero)
Front (Exhaust)	24 (610)	24 (610)
Sides	6 (152)	1/8 (3.2)
Bottom	12 (305)	2 (51)

The clearance for servicing is 24 in. (610 mm) in front of the water heater.

ADDITIONAL FEATURES

- **Safety Devices:** Flame Failure -Flame Rod, Boiling Protection, Combustion Fan RPM Check, Over Current-Glass Fuse, Remaining Flame (OHS), Automatic Frost Protection, and Thermal Fuse
- **Gas Line Compatible:** 1/2 in. (13 mm)
- Complies with South Coast Air Quality Management District 40 ng/J NOx Emission Levels
- **Included with Purchase:** V53De Tankless Water Heater and Wall Mounting Bracket



CERTIFIED TO ANSI Z21.10.3 – CSA 4.3

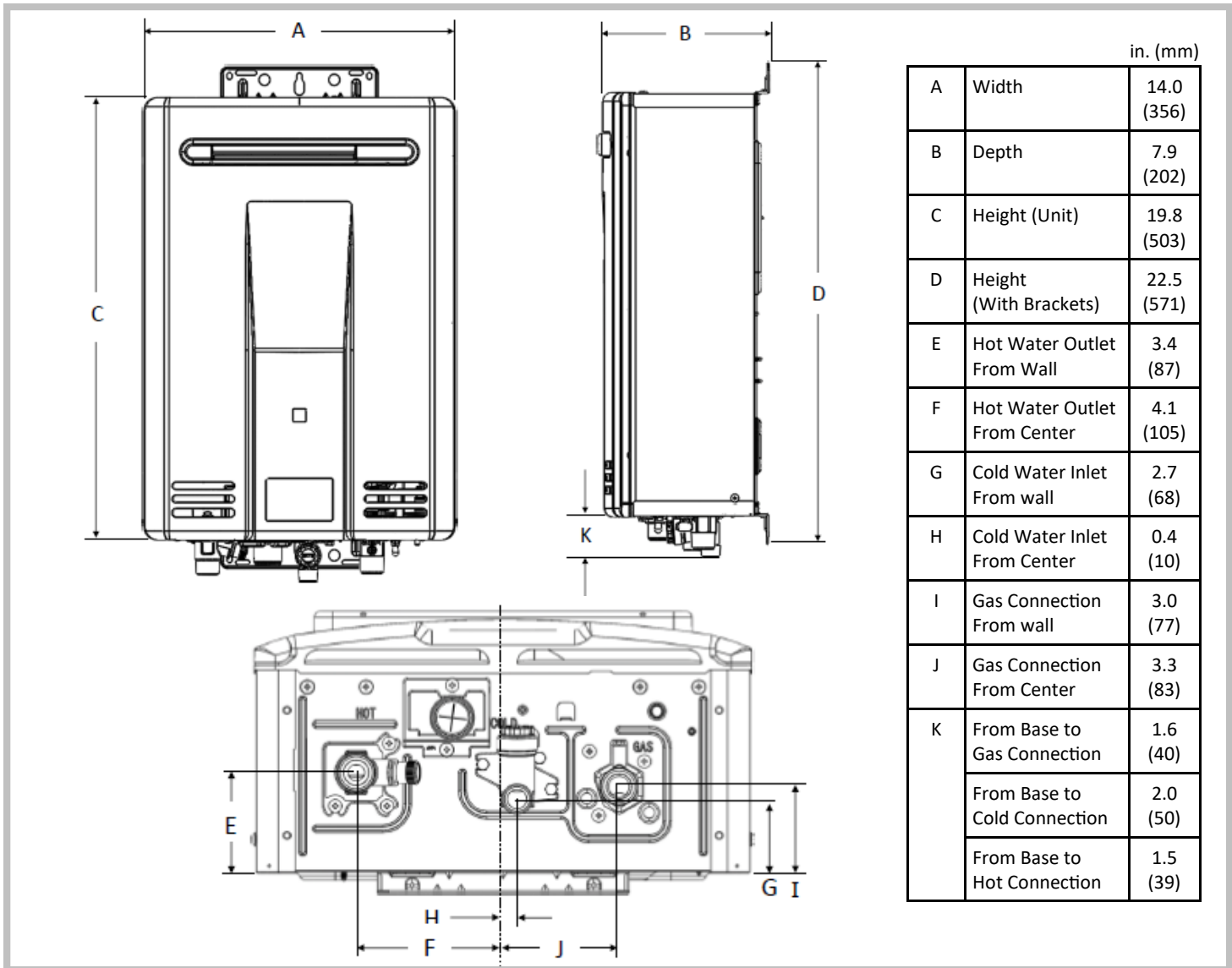
HIGH-EFFICIENCY (NON-CONDENSING) TANKLESS WATER HEATER

Installation Type	External (Outdoor) Residential Applications. Manufactured (Mobile) Home Certified	
Model Number	V53De (REU-AM1620WD-US)	
Approved Gas Types	Natural and Propane	
Water Flow Control	Water Flow Sensor, Electronic Water Control and Fixed Bypass	
Water Temperature Control	Simulation Feed Forward and Feedback	
Ignition System	Direct Electronic Ignition	
Controller	Standard: Status Monitor Optional: MC-601, MC-91-2US	
Certifications	AHRI, ANSI Z21.10.3, CSA 4.3	
Uniform Energy Factor (UEF)	0.81	
High Altitude Approved	Up to 10,200 Ft (3,109 M)	
Minimum Gas Consumption	15,500 Btu/h	
Maximum Gas Consumption	120,000 Btu/h	
Flow Rate¹ (Min - Max)	0.4 - 5.3 GPM (1.5 - 20.0 L/min)	
Dimensions - w, h, d	14.0 in. x 19.8 in. x 7.9 in. (356 mm x 503 mm x 202 mm)	
Weight	29.7 lb (13.5 kg)	
Sound Level	54 dB	
Electrical	Normal	50 W
	Standby	2 W
	Freeze Protection	64 W
	Max Current	1.2 Amps
	Fuse	5 Amps
Temperature	<ul style="list-style-type: none"> • Minimum: 115° F (46° C) Default • Maximum: 140° F (60° C) Default Without Temperature Controller: 120° F (49° C) Default or 140° F (60° C)	
Bypass Flow Control	Fixed	
Gas Supply Pressure²	<ul style="list-style-type: none"> • Natural: 4.5 in. w.c. - 10.5 in. w.c. • Propane: 8.0 in. w.c. - 13.5 in. w.c. 	
Electronic Connections	<ul style="list-style-type: none"> • Appliance: AC 120 Volts, 60Hz. • Temp. Controller: DC 12 Volts (Digital) 	
Water Supply Pressure	<ul style="list-style-type: none"> • Minimum: 20 PSI (Recommended 30-80 PSI for max performance) • Maximum: 150 PSI 	
Controller Cable	Non-Polarized Two Core Cable (Minimum 22 AWG)	
Service Connections	<ul style="list-style-type: none"> • Gas Supply: 3/4 in. (19 mm) MNPT • Cold Water Inlet: 3/4 in. (19 mm) MNPT • Hot Water Outlet: 3/4 in. (19 mm) MNPT 	

¹ Minimum flow may vary slightly depending on the temperature setting and the inlet water temperature. Minimum activation flow is 0.6 GPM (1.5 L/min).

² The maximum inlet gas pressure must not exceed the value specified by the manufacturer. The minimum value listed is for the purpose of input adjustment.

DIMENSIONS



WATER FLOW CURVE

