



Nexus® brings leading edge condensing heat exchanger technology to Sterling HVAC's successful unit heater product offering.

With tri-metal stainless steel heat exchanger technology, proprietary pre-mix burner design and fully modulating configurations, Nexus provides industry leading efficiencies of up to 99%!

Available in 4 sizes (100 – 400 MBH), in both natural gas and LP gas, Nexus can be vented through PVC and CPVC for application flexibility. All units are also field convertible to separated combustion.

- Tri-Metal Stainless Steel Heat Exchanger
 - Unique Brass/Aluminum Fin Design
- Proprietary Pre-Mix Burner Design
 - Auto Adjusts to Altitude
- 99% Thermal Efficiency*
- 2-Stage and Modulating Gas Controls
- 3:1 Modulating Turndown
- Brushed Stainless Steel Jacket

*Up to 99% maximum efficiency at full turndown, 95+% certified efficiency at high fire.

Manufacturer	Modine	Reznor	Sterling
Model	PTC	UEAS	Nexus (HU)
Sizes	10	4	4
MBH	55-310	131-305	100-400
CFM	1,097-5,400	2,256-4,283	1,609-6,464
ANSI 83.8 Efficiency	93%	91-93%	95+%
Fan Type	Propeller	Propeller	Propeller
Gas Control	1-Stage	1-Stage	2-Stage/Modulating
Turndown Ratio	1:1	1:1	3:1
Venting Type	Separated Combustion	Separated Combustion	Standard Combustion Field Convertible to Separated Combustion with Conversion Kit
Warranty	Unit: 1 Year Heat Exchanger: 10 Years	Unit: 1 Year Heat Exchanger: 10 Years	Unit: 1 Year Heat Exchanger: 10 Years
Voltage	115/1/60 208/1/60 230/1/60 208/3/60 230/3/60 460/3/60 575/3/60	115/1/60	115/1/60 208/1/60 230/1/60 208/3/60 230/3/60 460/3/60 575/3/60
Condensate Pump & Neutralizer	Optional	Not Available	Optional
Convenience Outlet	Optional	Not Available	Not Available
Burner	Multiple In-Shot	Patented Single Burner	Proprietary Single Burner Design
Orifice	Multiple Orifice	Single Orifice	Single Orifice
Fan Guard	Size 110 and Smaller: Fingerproof Guard Sizes 135+: Standard Guard (Opt. Fingerproof)	Standard Guard	OSHA Guard
Cabinet	20 Ga. Aluminized Steel	G30 Galvanized Steel	20 Ga. 430 Brushed Stainless Steel
Double Wall	No	No	Standard
Paint	Electrostatically Applied, Baked-On Gray-Green Polyester Powder Paint (7-mil Thickness)	Pre-Coat or Powdercoat RAL 1001 White Paint Finish	Brushed Stainless Steel
Motor	TE	ODP (Opt TE)	ODP
Heat Exchanger	Primary: 18 Ga. Aluminized (Opt. 409 Stainless) Secondary: 20 Ga. AL29-4C Stainless Steel	Primary: Tcore3 Titanium Stabilized Aluminized Steel (Opt. 409 Stainless) Secondary: Extruded Aluminum MacroChannel	0.043 in. Thickness 409 Stainless Steel Tube with Brass & Aluminum Fins
Flue Collector	20 Ga. AL29-4C Stainless Steel	N/A	321 Stainless Steel
Condensate Float	Yes	No	Yes
External LED Status	Yes	No	Yes
Venting	Sizes 55-135 - 3 in. PVC Sizes 156-260 - 4 in. PVC Size 310 - 6 in. Steel	4 in. PVC Flue Vent, 6 in Single Wall Combustion Air	Size 100 - 2 in. PVC Size 200 - 3 in. PVC Size 300/400 - 4 in. PVC
Max Vent	50 ft.	50 ft.	50 ft.
90° Elbow Equivalent Length	3 in. & 4 in. diameter = 6 ft. 6 in. diameter = 7 ft.	8 ft.	5 ft.
Supply Gas Pressure	6-7 in WC Natural 11-14 in WC Propane	5-14 in WC Natural 11-14 in WC Propane	5-14 in WC Natural 8-14 in WC Propane
Manifold Pressure	3.5 in WC Natural 10 in WC Propane	3.5 in WC Natural 10 in WC Propane	0 in WC (Neg Reg Valve)
Altitude	Requires High Altitude Kit Above 2,000 ft.	Manual Adjust Gas Valve	Auto-Adjusts
Suspension	4 Point Opt. 2 Point Kit	4 Point	4 Point
Concentric Vent Kit	Yes	Yes	Yes
Disconnect or On/Off Switch	Opt. On/Off Switch	Disconnect Switch Door Safety Switch	Not Available
Propane Conversion	Optional	Included	Included
Condensate Connection	Requires 2 Condensate Connections (Vent Pipe and Secondary Heat Exchanger)	Requires 2 Condensate Connections (Vent Pipe and Secondary Heat Exchanger)	One Condensate Connection (Bottom of Unit)
Condensate Trap	Field Provided	Field Provided	Standard



260 North Elm Street, Westfield, MA 01085
413-564-5540
www.sterlinghvac.com