

R-22 Replacement Comparison



How Common Replacements Work in Different Units



	bluon TdX 20 R-458A	R-407C	MO-99 R-438A	NU-22 R-422B	R-422D	R-427A	R-453A
EPA Approved for HVAC	✓	✓	✓	✓	✓	✓	✗
Small Package Units < 20 Tons	✓	🚰	✓ Efficiency Loss	✓ Efficiency + Capacity Loss	✓ Efficiency + Capacity Loss	✓ Efficiency Loss	✓ Efficiency Loss
Heat Pumps	✓	🚰	⚠️ Efficiency + Capacity Loss	⚠️ Efficiency + Capacity Loss	⚠️ Efficiency + Capacity Loss	✓ Efficiency + Capacity Loss	✓ Efficiency + Capacity Loss
Large Package Units > 20 Tons	✓	🚰	✓ Efficiency Loss	✓ Efficiency + Capacity Loss	✓ Efficiency + Capacity Loss	✓ Efficiency Loss	✓ Efficiency Loss
Split Systems w/ short linesets	✓	🚰	✓ Efficiency Loss	✓ Efficiency + Capacity Loss	✓ Efficiency + Capacity Loss	✓ Efficiency Loss	✓ Efficiency Loss
Split Systems w/ long linesets	✓	🚰	⚠️🚰	⚠️🚰	⚠️🚰	⚠️🚰	⚠️🚰
Large RTUs VAV Package Units (Boxcars with Scrolls or Semihermetics)	✓ with Bluon Protocols*	⚠️🚰	⚠️	⚠️	⚠️	⚠️	⚠️
Intellipaks Voyagers 3D scrolls	✓ with Bluon Protocols*	⚠️🚰	⚠️	⚠️	⚠️	⚠️	⚠️
Water cooled DX floor units	✓ with Bluon Protocols*	🚰	✓ Efficiency Loss	✓ Efficiency + Capacity Loss	✓ Efficiency + Capacity Loss	✓ Efficiency Loss	✓ Efficiency Loss
Screw DX Chillers (RTAA's, York's, etc)	✓ with Bluon Protocols*	⚠️🚰	⚠️	⚠️	⚠️	⚠️	⚠️
Recip Chillers	✓ with Bluon Protocols*	🚰	✓ Efficiency Loss	✓ Efficiency + Capacity Loss	✓ Efficiency + Capacity Loss	✓ Efficiency Loss	✓ Efficiency Loss
Centrifugals Flooded Evap Chillers	✗	✗	✗	✗	✗	✗	✗

Not Compatible
 Compatible
 Compatible, But Not Optimal
 Oil Change Required
 Not Recommended / Many Potential Issues

*Look up model numbers in the app for unit specific protocols.

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