



BLUON TdX 20

# PRODUCT COMPARISON MATRIX

## SIX YEARS OF TESTING

MILLIONS OF DATA POINTS  
MAKE THIS ONE EASY DECISION

It took six years of empirical, iterative testing and countless field tests to uncover the unique phenomena at the heart of our multi-phase technology. That provided a starting point for an iterative product development process to arrive at TdX 20. Now you can choose what is truly the next generation in refrigerants with confidence—as so many property owners and managers already have.

To learn more, please visit us at [www.bluonenergy.com](http://www.bluonenergy.com)

To discuss your specific system, and how TdX 20 could improve its performance and cost-efficiency, call **855-425-8686**.

*The information provided herein is based on technical data that Bluon Energy believes to be reliable. Conditions of product use are outside our control; therefore we make no warranties, expressed or implied, and assume no liability in connection with any use of this information. Bluon Energy and Bluon TdX are trademarks of Bluon Energy LLC. All other trademarks are the property of their respective owners. All rights reserved. © 2016 Bluon Energy.*

MANUFACTURER						
PRODUCT	R-22	TdX 20	R-407C	M099	NU22	R-421A
ENERGY EFFICIENCY INCREASE/DECREASE	Baseline	+5 to +25%	-5% to -10%	-10% to -20%	-10% to -20%	-15% to -25%
CAPACITY	Baseline	Equal (can be slightly more or less)	Slight Decrease	Slight Decrease	Notable Decrease	Notable Decrease
VAPOR PRESSURE AT 100°F (psig)	195.9	164.7	196.1	187.3	182.9	181.0
LATENT HEAT OF VAPORIZATION (kJ/kg)	234	239	244	211	192	188
LATENT HEAT EFFICIENCY (LHV / pressure)	1.19	1.45	1.24	1.13	1.05	1.04
MOLECULAR WEIGHT (g/mol)	86.5	89.9	86.2	99.1	108.5	111.7
MASS FLOW RATE (%)	Baseline	-1	-2	+12	+20	+21
GWP	1810	1650	1774	2265	2526	2631
OZONE DEPLETING POTENTIAL (ODP)	Yes	None	None	None	None	None
ASHRAE SAFETY RATING	A1	A1	A1	A1	A1	A1
EQUIPMENT MODIFICATION	Baseline	None	Oil change required	None	None	None
OIL COMPATIBILITY	MO, AB	MO, POE, AB	POE	MO, POE, AB	MO, POE AB	MO, POE AB
WARRANTY	No	Yes	No	No	No	No