

## 2020 ENERGY STAR® Emerging Technology Award Winning Advanced Adaptive Compressor Models

Brand	Model Number	Product Class	Total Volume (ft <sup>3</sup> )	Low-GWP Refrigerant Type	Low-GWP Foam Type	% Better than Federal Standard	OR*	% Better than Compressor in Fixed Speed (Conventional) Setting
Beko	BFBF2414	5 - Refrigerator-freezers - automatic defrost with bottom-mounted freezer without an automatic ice maker	11.4	R-600a	Cyclopentane	34.87%		-
Beko	BFBF2412	5 - Refrigerator-freezers - automatic defrost with bottom-mounted freezer without an automatic ice maker	10.7	R-600a	Cyclopentane	32.37%		-
Blomberg	BRFB1045	5 - Refrigerator-freezers - automatic defrost with bottom-mounted freezer without an automatic ice maker	11.4	R-600a	Cyclopentane	34.87%		-
Blomberg	BRFB1044	5 - Refrigerator-freezers - automatic defrost with bottom-mounted freezer without an automatic ice maker	10.7	R-600a	Cyclopentane	32.37%		-
Samsung	RF27T5201**	5A - Refrigerator-freezers - automatic defrost with bottom-mounted freezer with through-the-door ice service	27.0	R-600a	Cyclopentane	-		25.2%
Samsung	RF27T5241**	5A - Refrigerator-freezers - automatic defrost with bottom-mounted freezer with through-the-door ice service	27.0	R-600a	Cyclopentane	-		25.0%
Samsung	RF27T5501**	5A - Refrigerator-freezers - automatic defrost with bottom-mounted freezer with through-the-door ice service	26.5	R-600a	Cyclopentane	-		25.8%
Samsung	RS27T5561**	7 - Refrigerator-freezers - automatic defrost with side-mounted freezer with through-the-door ice service	26.7	R-600a	Cyclopentane	-		25.3%
Samsung	RS22T5201**	7 - Refrigerator-freezers - automatic defrost with side-mounted freezer with through-the-door ice service	22.0	R-600a	Cyclopentane	-		26.0%
Samsung	RS22T5561**	7 - Refrigerator-freezers - automatic defrost with side-mounted freezer with through-the-door ice service	21.5	R-600a	Cyclopentane	-		25.6%

\* Model have to meet criteria in one of two options:

1. Outperform the measured Annual Energy Consumption for the Federal Minimum Standard by 30% (model must have a variable speed compressor with control systems capable of capacity modulation), or
2. With the compressor in the adaptive mode, outperform the Annual Energy Consumption by 25% compared to when the compressor is in a fixed-speed mode (the refrigerator shall be shipped with the compressor in the adaptive mode)

Note: All models are covered under a minimum 1 year parts and labor warranty.