

2016 Emerging Technology Award Winning Innovative Refrigerant Systems

Brand	Model Number	Product Type	Refrigerant Used	Reported ENERGY STAR Performance	Global Warming Potential (GWP)	Refrigerant Replacement Annual kWh Savings*
Bosch	B10	Residential Refrigerator	R-600a	314 kWh/year	3	
Bosch	B11	Residential Refrigerator	R-600a	337 kWh/year	3	251 kWh/year
True Manufacturing	GDM-10-58-HC-LD	Commercial Refrigerator	R-290	1.86 kWh/day	3	361 kWh/year
True Manufacturing	GDM-10-HC-LD	Commercial Refrigerator	R-290	1.39 kWh/day	3	128 kWh/year
True Manufacturing	GDM-12-HC-LD	Commercial Refrigerator	R-290	1.74 kWh/day	3	91 kWh/year
True Manufacturing	GDM-23-HC-LD	Commercial Refrigerator	R-290	2.26 kWh/day	3	176 kWh/year
True Manufacturing	GDM-26F-HC-LD	Commercial Refrigerator	R-290	9.32 kWh/day	3	752 kWh/year
True Manufacturing	GDM-26-HC-LD	Commercial Refrigerator	R-290	2.22 kWh/day	3	186 kWh/year
True Manufacturing	GDM-30-HC-LD	Commercial Refrigerator	R-290	2.04 kWh/day	3	267 kWh/year
True Manufacturing	GDM-35-HC-LD	Commercial Refrigerator	R-290	3.3 kWh/day	3	369 kWh/year
True Manufacturing	GDM-36SL-HC-LD	Commercial Refrigerator	R-290	1.63 kWh/day	3	157 kWh/year
True Manufacturing	GDM-37-HC-LD	Commercial Refrigerator	R-290	3.79 kWh/day	3	420 kWh/year
True Manufacturing	GDM-41-HC-LD	Commercial Refrigerator	R-290	3.91 kWh/day	3	285 kWh/year
True Manufacturing	GDM-41SL-54-HC-LD	Commercial Refrigerator	R-290	2.35 kWh/day	3	256 kWh/year
True Manufacturing	GDM-43-HC-LD	Commercial Refrigerator	R-290	3.69 kWh/day	3	442 kWh/year
True Manufacturing	GDM-45-HC-LD	Commercial Refrigerator	R-290	3.96 kWh/day	3	427 kWh/year
True Manufacturing	GDM-47-HC-LD	Commercial Refrigerator	R-290	4.44 kWh/day	3	150 kWh/year
True Manufacturing	GDM-49F-HC-LD	Commercial Refrigerator	R-290	19.29 kWh/day	3	1,226 kWh/year
True Manufacturing	GDM-49-HC-LD	Commercial Refrigerator	R-290	4.21 kWh/day	3	106 kWh/year
True Manufacturing	GDM-49RL-HC-LD	Commercial Refrigerator	R-290	4.00 kWh/day	3	559 kWh/year
True Manufacturing	GDM-72F-HC-LD	Commercial Refrigerator	R-290	21.52 kWh/day	3	2,486 kWh/year
True Manufacturing	GDM-72-HC-LD	Commercial Refrigerator	R-290	5.82 kWh/day	3	551 kWh/year
True Manufacturing	STM1R-2HS-HC	Commercial Refrigerator	R-290	1.66 kWh/day	3	201 kWh/year
True Manufacturing	STR1F-1G-HC	Commercial Freezer	R-290	8.32 kWh/day	3	712 kWh/year
True Manufacturing	STR1R-1S-HC	Commercial Refrigerator	R-290	1.4 kWh/day	3	248 kWh/year
True Manufacturing	STR1F-1S-HC	Commercial Freezer	R-290	6.54 kWh/day	3	365 kWh/year
True Manufacturing	STR1F-2HG-HC	Commercial Freezer	R-290	11.45 kWh/day	3	New Model
True Manufacturing	STR1R-1G-HC	Commercial Refrigerator	R-290	1.64 kWh/day	3	208 kWh/year
True Manufacturing	STR1RPT-1G-1S-HC	Commercial Refrigerator	R-290	2.06 kWh/day	3	157 kWh/year
True Manufacturing	STR1RPT-1S-1S-HC	Commercial Refrigerator	R-290	1.63 kWh/day	3	164 kWh/year
True Manufacturing	STR2F-2G-HC	Commercial Freezer	R-290	23.73 kWh/day	3	New Model
True Manufacturing	STR2R-2G-HC	Commercial Refrigerator	R-290	3.01 kWh/day	3	650 kWh/year
True Manufacturing	STR2R-2S-HC	Commercial Refrigerator	R-290	2.23 kWh/day	3	420 kWh/year
True Manufacturing	STR2RPT-4HG-4HG-HC	Commercial Refrigerator	R-290	3.41 kWh/day	3	818 kWh/year
True Manufacturing	T-12-HC	Commercial Refrigerator	R-290	0.76 kWh/day	3	635 kWh/year
True Manufacturing	T-23F-HC	Commercial Freezer	R-290	4.91 kWh/day	3	256 kWh/year
True Manufacturing	T-23-HC	Commercial Refrigerator	R-290	1.12 kWh/day	3	372 kWh/year
True Manufacturing	T-49F-HC	Commercial Freezer	R-290	9.47 kWh/day	3	274 kWh/year
True Manufacturing	T-49-HC	Commercial Refrigerator	R-290	2.75 kWh/day	3	62 kWh/year
True Manufacturing	TUC-24-HC	Commercial Refrigerator	R-290	0.59 kWh/day	3	372 kWh/year
True Manufacturing	TUC-27-HC	Commercial Refrigerator	R-290	1.36 kWh/day	3	157 kWh/year
True Manufacturing	TUC-48F-HC	Commercial Freezer	R-290	4.37 kWh/day	3	464 kWh/year
True Manufacturing	TUC-48G-HC-LD	Commercial Refrigerator	R-290	2.05 kWh/day	3	799 kWh/year
True Manufacturing	TUC-48-HC	Commercial Refrigerator	R-290	1.45 kWh/day	3	522 kWh/year
Dacor	DRR30980*AP	Residential Refrigerator	R-600a	280 kWh/year	3	No previous models available - efficiency gains caused by low-GWP refrigerant shown in a thermodynamic cycle analysis
Dacor	DRR24980*AP	Residential Refrigerator	R-600a	260 kWh/year	3	
Dacor	DRR36980*AP	Residential Refrigerator	R-600a	290 kWh/year	3	
Dacor	DRZ30980*AP	Residential Freezer	R-600a	550 kWh/year	3	
Dacor	DRZ24980*AP	Residential Freezer	R-600a	500 kWh/year	3	
Dacor	DRZ18980*AP	Residential Freezer	R-600a	465 kWh/year	3	
Dacor	DRZ36980*AP	Residential Freezer	R-600a	580 kWh/year	3	
Dacor	DRF367500AP	Residential Refrigerator-Freezer	R-600a	549 kWh/year	3	
Dacor	DRF427500AP	Residential Refrigerator-Freezer	R-600a	629 kWh/year	3	
Samsung	RF23M85905G	Residential Refrigerator-Freezer	R-600a	662 kWh/year	3	No previous models available - efficiency gains caused by low-GWP refrigerant shown in a thermodynamic cycle analysis
Samsung	RF23M85905R	Residential Refrigerator-Freezer	R-600a	662 kWh/year	3	
Samsung	RF23M85705G	Residential Refrigerator-Freezer	R-600a	662 kWh/year	3	
Samsung	RF23M85705R	Residential Refrigerator-Freezer	R-600a	662 kWh/year	3	
Samsung	RF23M80905R	Residential Refrigerator-Freezer	R-600a	633 kWh/year	3	
Samsung	RF23M80905G	Residential Refrigerator-Freezer	R-600a	633 kWh/year	3	
Samsung	RF23M80705G	Residential Refrigerator-Freezer	R-600a	633 kWh/year	3	
Samsung	RF23M80705R	Residential Refrigerator-Freezer	R-600a	633 kWh/year	3	
Samsung	RT18M62155G	Residential Refrigerator-Freezer	R-600a	448 kWh/year	3	
Samsung	RT18M62155R	Residential Refrigerator-Freezer	R-600a	448 kWh/year	3	
Samsung	RT18M6215WW	Residential Refrigerator-Freezer	R-600a	448 kWh/year	3	
Samsung	RT18M61145R	Residential Refrigerator-Freezer	R-600a	364 kWh/year	3	
Samsung	RT21M62155G	Residential Refrigerator-Freezer	R-600a	478 kWh/year	3	
Samsung	RT21M62155R	Residential Refrigerator-Freezer	R-600a	478 kWh/year	3	
Samsung	RT21M6215WW	Residential Refrigerator-Freezer	R-600a	478 kWh/year	3	
Samsung	RT18M62135G	Residential Refrigerator-Freezer	R-600a	364 kWh/year	3	
Samsung	RT18M62135G	Residential Refrigerator-Freezer	R-600a	448 kWh/year	3	
Samsung	RT21M62135G	Residential Refrigerator-Freezer	R-600a	394 kWh/year	3	
Samsung	RT21M62135G	Residential Refrigerator-Freezer	R-600a	478 kWh/year	3	
Samsung	BRF365200AP	Residential Refrigerator-Freezer	R-600a	549 kWh/year	3	
Samsung	BRF425200AP	Residential Refrigerator-Freezer	R-600a	629 kWh/year	3	
Samsung	RF23M8960MT	Residential Refrigerator-Freezer	R-600a	633 kWh/year	3	
Samsung	RF23M89605A	Residential Refrigerator-Freezer	R-600a	633 kWh/year	3	

\* Other components may have been changed out to accommodate effective operation with climate-friendly refrigerants, which may contribute to overall energy savings