

## Global Warming Potentials Supermarket Industry Refrigerants

Refrigerant	CFC	HCFC	HFC	HFO	Natural	AR4 - 100 Year GWP	AIM Act 100- Year GWP	AR6 - 20 Year GWP	ODP (Montreal Protocol)
R-22		X				1810.00	1810.00	5690.00	0.055
R-23			X			14800.00	14800.00	12400.00	
R-32			X			675.00	675.00	2690.00	
R-134a			X			1430.00	1430.00	4140.00	
R-290					X	3.00	3.30	0.07	
R-401A		X	X			1182.48	1182.48	3796.33	0.037
R-404A			X			3921.60	3921.60	7208.00	
R-407A			X			2107.00	2107.00	4890.00	
R-407C			X			1773.85	1773.85	4456.50	
R-407F			X			1824.50	1824.50	4485.00	
R-408A		X	X			3151.90	3151.90	6752.50	0.026
R-409A		X				1584.75	1584.75	4758.00	0.042 - 0.047
R-410A			X			2087.50	2087.50	4715.00	
R-422D			X			2729.05	2728.98	5691.84	
R-427A			X			2138.25	2138.25	4942.50	
R-448A			X	X		1386.07	1386.07	3321.91	
R-449A			X	X		1396.29	1396.29	3382.89	
R-452A			X	X		2139.55	2139.55	4273.04	
R-454A			X	X		236.90	236.90	942.68	
R-454B			X	X		465.39	465.39	1853.97	
R-454C			X	X		145.91	145.91	579.77	
R-455A			X	X	X	145.91	145.91	579.75	
R-457A			X	X		137.08	137.08	556.39	
R-471A			X	X		139.59	143.67	266.37	
R-502	X	X				4656.72	4656.72	6570.64	0.334
R-507A			X			3985.00	3985.00	7290.00	
R-513A			X	X		629.76	629.76	1822.61	
R-600a					X	3.00	1.00	0.02	
R-717					X	0.00	1.00	0.00	
R-744					X	1.00	1.00	1.00	
R-1234yf				X		1.00	1.00	1.81	
R-1234ze(E)				X		1.00	1.00	4.94	