

## Ecological effect and efficiency data for common refrigerants

Refrigerant	Common Name	GWP greenhouse warming power CO <sub>2</sub> = 1.0	ODP Ozone Depletion Power R11 = 1.0	Relative Energy efficiency %
<b>R22</b>	CHClF <sub>2</sub>	1700	0.055	80 (L)
<b>R134a</b>	CF <sub>3</sub> CH <sub>2</sub> F	1300	0	97 (M)
<b>R404A</b>	R143a/125/134 <sup>a</sup>	3780	0	105 (M)
<b>R507A</b>	R143a/125	3850	0	107 (M)
<b>R407C</b>	R32/125/134a	1650	0	100 (H)
<b>R410A</b>	R32/125	1980	0	140 (H)
<b>R717</b>	Ammonia (NH <sub>3</sub> )	0	0	100 (M)
<b>R600</b>	Butane (C <sub>4</sub> H <sub>10</sub> )	3	0	N/A
<b>R290</b>	Propane (C <sub>3</sub> H <sub>8</sub> )	3	0	89 (M)
<b>R744</b>	Carbon dioxide CO <sub>2</sub>	0	1	On request

**Relative Energy Efficiency %** values is in reference as a Substitute o tradicional refrigerants according to application:

H = High temperatura + 5 / +50 °C

M = Medium temperatura -10 / +45 °C

L = Low Temperature -35 / 40 °C