

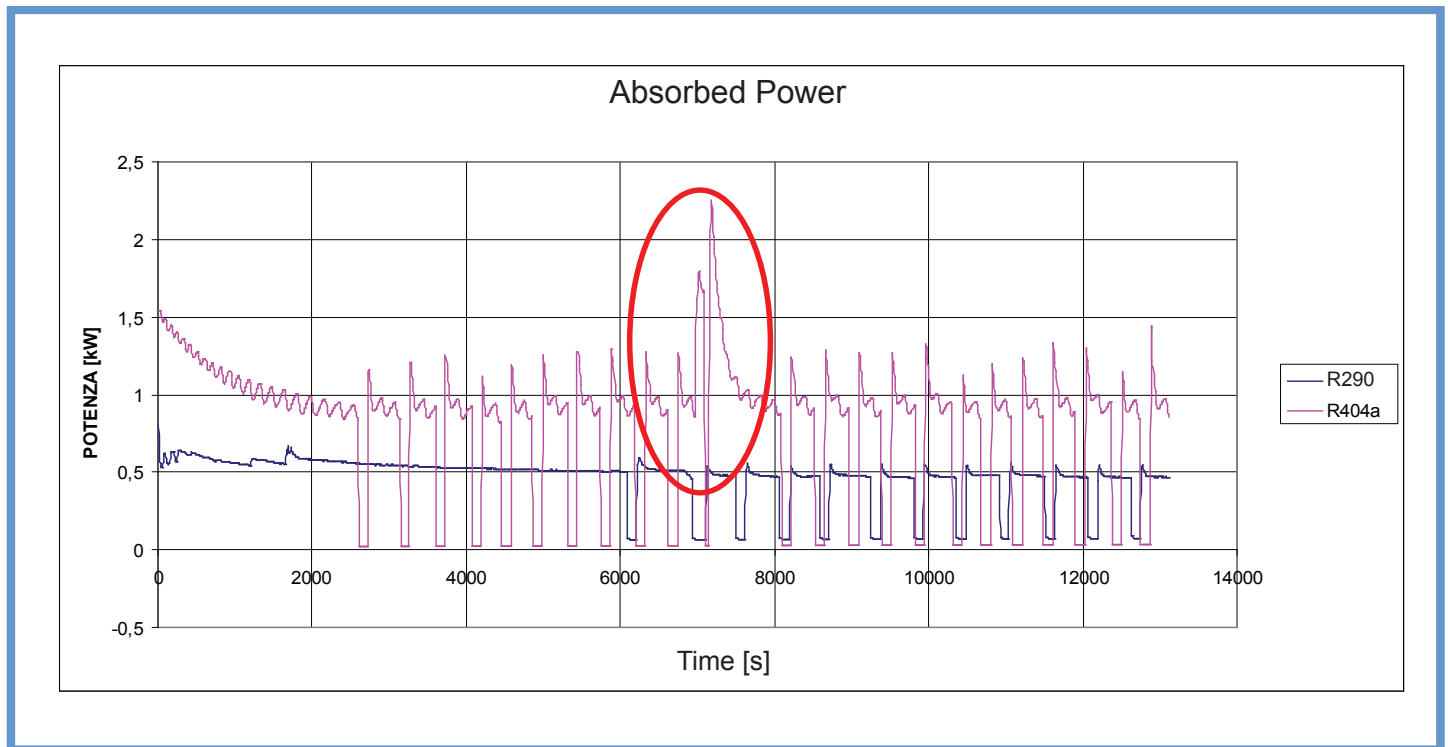
Energy saving 41%

Energy Saving & Low Emission



Respect for the environment is in DNA of Desmon and confirmed by decades of continuous improvement and implementation of environmentally efficient production processes. Desmon is always careful on every single step of a product life cycle, from design to disposal, having in mind an intention to reduce an impact on environment and create benefits for customers from decreasing energy costs. Desmon has obtained ISO-14001 certificate for a commitment to respect an environment on every stage of business activity.

Desmon is one of manufacturer of commercial refrigeration in the world using cyclopentane. Desmon products have a Cyclopentane thermoinsulation which does not damage an ozone layer and does not make a greenhouse effect. Cyclopentane replaces polyurethane foams based on HCFCs and CFCs which destroy an ozone layer and generate the greenhouse effect. Desmon is constantly searching for new solutions to create products with a minimum negative impact on environment. Among those solutions Desmon develops a refrigeration units which use a natural gas R290 (propane) see IRIDIUM Line.



Test conditions:

- Ambient Temperature: 25°C/77°F
- Humidity: 80%
- # of door openings: 250 (from 7am to 11pm)
- *Simulation on Year base: (2,744Kw/365days)
- Cost of Kw/h in Italy: € 0,17

By integrating the two powers absorbed in the entire range of test results, we show below the values of electricity absorbed by two units:

Energy consumption of traditional unit: 18,40 kWh/24h

Energy consumption of R290 unit : 10,80 kWh/24h

$$\frac{18,40 - 10,80}{18,40} * 100 = 41\%$$



Annual savings on energy consumption € 470