

# M<sup>POWER</sup> HEAT EXCHANGER AND SYSTEM DESIGN TOOL

## SYSTEM EXPERTS



Developed by Modine to meet the challenging system sizing software needs of refrigeration, residential, and commercial markets.

M<sup>POWER</sup> was developed specifically for the HVAC&R market to meet the system sizing needs required when modeling a vapor compression cycle. Component modeling systems do not allow you to optimize the cost of your system and extract the most value.

- Parametric study capabilities to reduce cost and optimize performance
- User friendly interface reduces complexity and time to run the model
- Fast and robust calculation produces quality results quickly

Modine licenses M<sup>POWER</sup> to customers and our trained application engineering team uses M<sup>POWER</sup> to provide the solutions our customers require.

### Capabilities:

- Model various air to refrigerant coils
  - Detailed modeling of RTPF and microchannel evaporator and condenser
  - Constant area, constant evap/cond temperature
- Model various compressor types
  - Generic and detailed models available
- Allows for common refrigerants to be used
  - R410A, R404A, R407C, R22, R134a, R1234, R290, R600, R744 etc.
- Allows for different expansion devices
  - TXV, cap tube, short tube
- Allows for line work losses (Q and dP)



Optimize your system and  
get the right coil.

For more information please  
visit [www.modinecoils.com](http://www.modinecoils.com)  
and let Modine assist you  
with your current project