

M^{POWER} 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^{POWER} 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^{POWER} to customers and our trained application engineering team uses M^{POWER} 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
and let Modine assist you
with your current project