

KOALA vs CAMEL⁺ Features Comparison



General / Project Setup		
Design cooling and heating load estimates	✓	✓
Design conditions based on historical weather data	Weather data up to 2013	Weather data up to 2021
User-defined custom design conditions	Limited options	✓
Specify a unit operating time for whole project	✓	✓
Set up separate operating time schedules for each AHU, people, lights and equipment	x	✓
Windows		
Model basic windows and assign to walls	Up to 16 window types	Up to 99 window types
Detailed window setup with accurate positioning on wall	x	✓
Save custom glazing properties for use in future projects	x	✓
Shading		
Model basic window and wall shading including overhangs and reveals	✓	✓
Model shading for windows and walls with angled shading elements	x	✓
Model shading from adjacent buildings	x	✓
Walls and Roofs		
Choose from standard library of wall and roof types	✓	✓
Model basic partition walls (specify as ambient or unconditioned)	✓	✓
Enter custom properties for walls and roofs specific to your project	x	✓
Accurately model partitions by specifying adjacent room temperatures	x	✓
AHUs, Zones & Rooms Setup		
Model AHUs and Rooms in a 1:1 arrangement	✓	✓
Model AHUs serving multiple zones and/or rooms	x	✓
Thermal storage modelling	Light/Medium/Heavy options for Building Construction	Accurate thermal storage modelling with Storage Mass / Storage Mass Calculator
Calculate outdoor air for compliance using the AS1668.2 Multiple Compartment Formula	x	✓
Connect rooms to common return air plenum with its own external and internal loads	x	✓
Model spill air transferred from one room to another	x	✓



System Selection

Single Zone Heating and Cooling	✓	✓
VRF systems	x	✓
Evaporative cooling (direct and indirect)	x	✓
VAV systems with and without reheat	x	✓
Constant volume systems with reheat or face/bypass airstreams	x	✓
Determine peak loads for chillers, boilers and AHUs grouped into circuits	x	✓

Preconditioners

Model fresh air to exhaust air heat exchangers to precondition outdoor air	x	✓
Model precooling coils and dehumidifiers to precondition outdoor air	x	✓

Results and Analysis

Key results including total heat, sensible and latent heat, supply air, entering and leaving air temperatures	✓	✓
Breakdown of room loads for cooling and heating	✓	✓
Hourly shading analysis tools	✓	✓
Hourly results tables and graphs	For GTH only	For all results
Chillers, boilers and circuit load summaries	x	✓
View psychrometric graphs for each AHU	x	✓
Export results to Excel	x	✓

Software Platform Benefits

Access software from any computer	No - license specific to computer	Yes - web based login from any computer
Copy/paste data across multiple cells	x	✓
Copy/paste data across multiple cells at once	x	✓
Copy/paste data from Excel	x	✓
Undo/redo function	x	✓
Run multiple calculations in parallel	x	✓
Product updates and feature improvements	x	✓