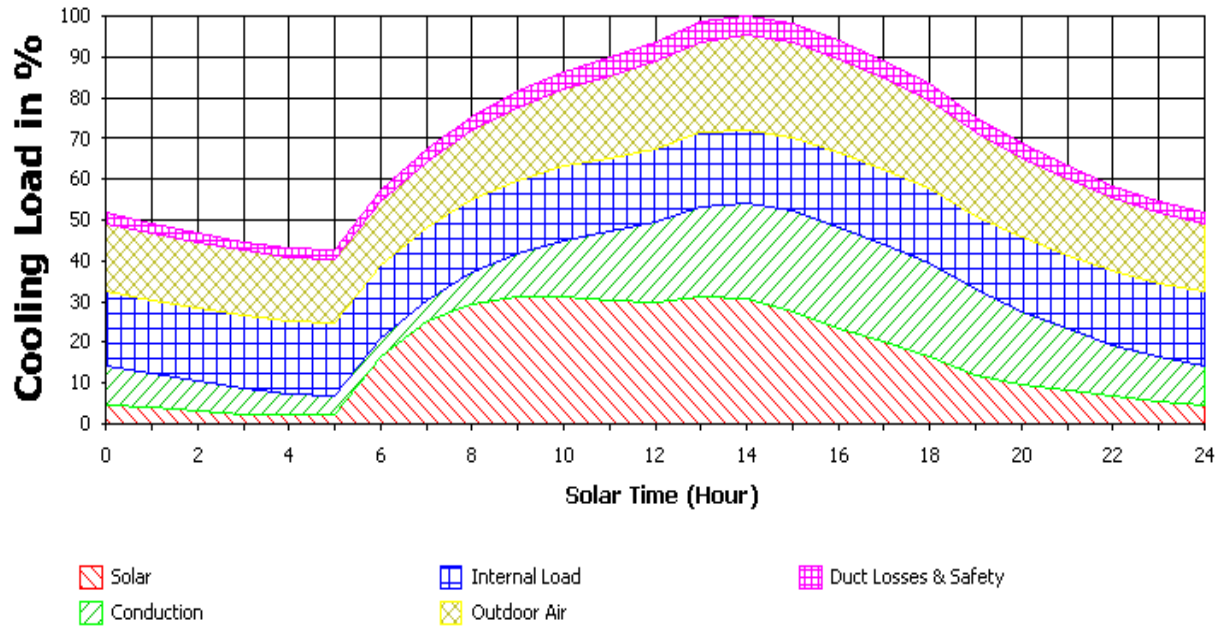
TMW-CL1 Summary of Cooling Load Calculations

Project : My House
Calculated by : J Benja
Zone : Room5Living
Date : 12-July-2558

Cooling Load Curve



Total Cooling Load & Peak Hour		Load Components in Watt		Total Load Components in Watt	
Total Cooling Load (W)	13,690	Roof	597	Total Conduction Heat Gain	3,223
Sensible Heat Ratio	0.83	Walls	1,471	Total Solar Heat Gain	4,176
Peak HR	14	Glass	1,156	Total Internal Heat Gain	2,475
Check Figures		Partitions	0	Total Outdoor Air Load	3,164
Total Watt/sq.m.	380	Ceilings	0	Total Duct Loss & Safety	652
External Watt/sq.m.	206	Floors	0	**Important Input Parameters**	
Internal Watt/sq.m.	69	Solar	4,176	Latitude (Degree-N)	15.25
Outdoor Air Watt/sq.m.	88	Lighting	1,007	DB Range (C)	11.5
Loss & Safety Watt/sq.m.	18	People - Sensible	539	Outside DB (C)	38.0
Supply Air		People - Latent	446	Outside WB (C)	27.7
Supply Air (L/s)	907	Appliance - Sensible	0	Inside DB (C)	25.6
L/s/kW	66	Appliance - Latent	0	Inside RH %	55
L/s/sq.m.	25.2	FCU/AHU Fan Motor	483	Floor Area (sq.m.)	35.98
Input Filename & Type of Area		Outdoor Air - Sensible	1,384	Height (m.)	3.05
Room Filename	room5l~1.zon	Outdoor Air - Latent	1,780	No. of People	8
Type of Area	Hotel / Apts	Duct Losses	0	Max. Ventilation Rate (L/s)	76