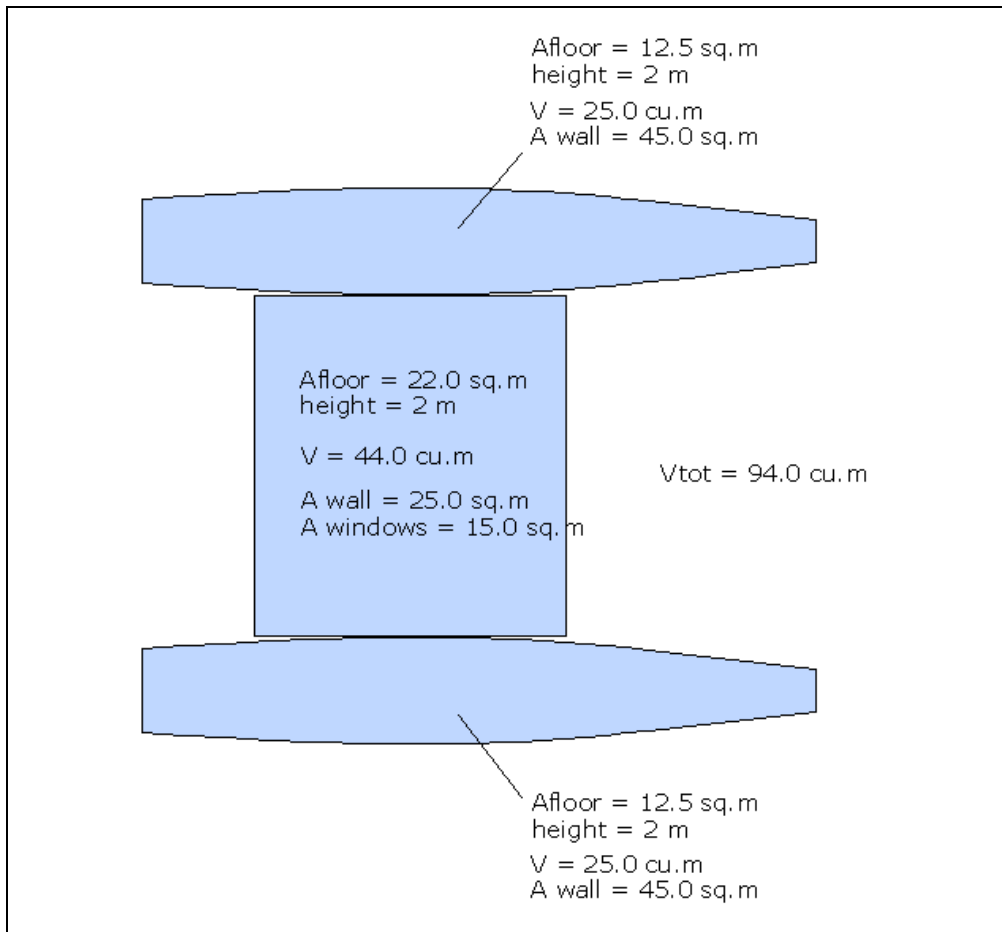


CATBUILDERS CAT – HEATING AND COOLING LOADS



HEATING POWER NECESSARY – WINTER PERIOD

Cod.		Ambient	Volume (m³)	Trasmiss. (W)	Margin (W)	Ventilat. (W)	Total (W)
01	01	Port Hull	25.0	2871	718	135	3724
01	02	Starboard Hull	25.0	2871	718	135	3724
01	03	Bridgedeck Are	44.0	5692	1423	238	7353
AC plant total			94.0	11434	2859	508	14801
Month used for the calculation			:	1 (January)			
Outside temp:			:	-7 °C			
Inside temp.			:	24 °C			

COOLING POWER NECESSARY – SUMMER PERIOD

Cod.		Ambient	Hour of Max. load	Q sensible W	Q latent W	Margin (W)	Q total W
01	01	Port Hull	13	1666	204	468	2338
01	02	Starboard Hull	13	1666	204	468	2338
01	03	Bridgedeck Area	13	6840	641	1870	9351
AC plant total			13	10172	1049	2806	14027
Month used for the calculation			:	7 (July)			
Outside temp:			:	40 °C			
Inside temp.			:	25 °C			