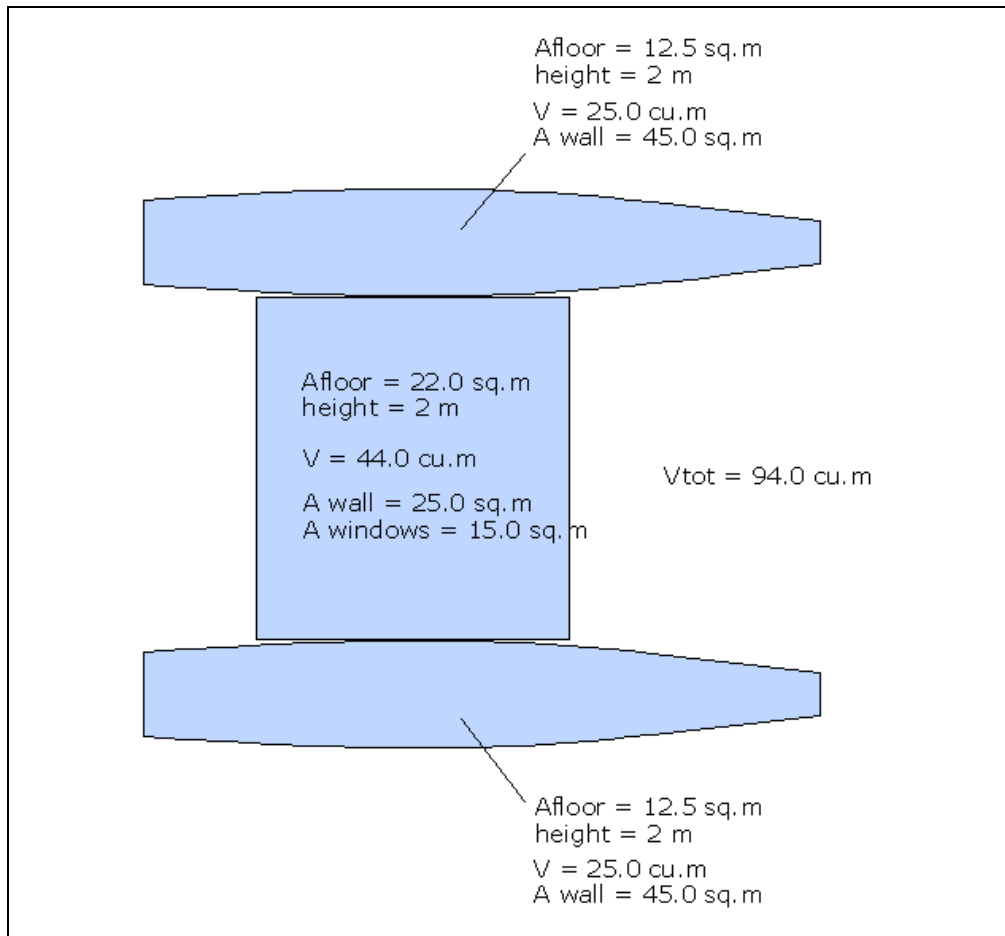


CATBUILDERS CAT – HEATING AND COOLING LOADS



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	1248	16	316	1580
01	02	Starboard Hull	13	1248	16	316	1580
01	03	Bridgedeck Area	13	5817	310	1532	7659
AC plant total			13	8313	342	2164	10819
Month used for the calculation			:	7 (Luglio)			
Outside temp:			:	34 °C			
Inside temp.			:	25 °C			