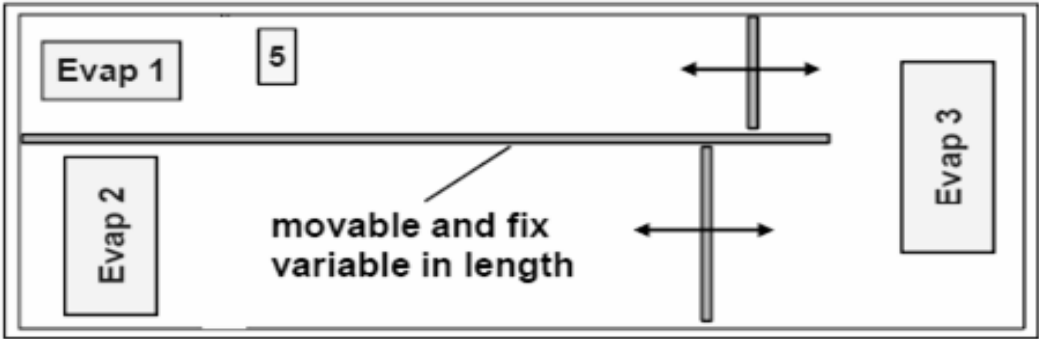


Configuration 5:

ATP registration numbers of vehicle

ATP type approval no. of refr. unit	M1012 corr1
ATP type approval no. of body	114-2023
	11/12/13/20/17/ 21/25/14/26/22/23/ 18/27/19/16/15
Vehicle ATP certificate no.	
Vehicle identification no.	9035685 à 9035700



Data of overall body	Internal dimensions			Floor material	K value of outer body
	L	W	H	Alu	0,39 W/(m².°C)
	13,41 m	2,46 m	2,50 m		

A. Input data

A1. Data of insulated body

Data of internal bulkheads	Mov./fixed	Length	Thickness	K value [W/m2.°C]
Longitudinal bulkead (1→2)	fixed	8,51 m	50 mm	2,0
Transversal bulkhead (1→3)	movable		50 mm	3,2
Transversal bulkhead (2→3)	movable		50 mm	3,2

Dimensions / Use of Compartments	Internal length		Internal width	Fixed temperature in each comp.?	Compartment temperature	Dry freight use?	Lowest class temp. permitted in each comp.?	Lowest permitted temp. per comp.
	Minimal length	Maximal length						
Compartment 1	2,56 m	7,10 m	0,83 m	No		Yes	No	0 °C
Compartment 2	3,74 m	8,30 m	1,58 m			Yes		0 °C
Compartment 3			2,46 m			Yes		0 °C

A2. Data of multitemp refrigeration unit

Cooling capacities at:	-20 °C
Nominal refr. cap. host unit	7 068 W
Individual refr. cap. evap. 1	4 416 W
Individual refr. cap. evap. 2	7 160 W
Individual refr. cap. evap. 3	5 975 W

Additional constraints on combinations of temperatures when 'Fixed temperature in each comp.?'=No:

1. Two compartments are never used at the same temperature.

B. Result of calculation (incl. dimensioning factor 1,75)

B1. Sufficient refrigerating capacity?

Nominal refrigerating capacity:	Ok
Minimally required nominal refr. cap.	5 013 W
Effective refrigerating capacity	Ok

Minimal bulkhead thicknesses do not meet ATP requirements

B2. Maximum refrigerating demand in each compartment

Individual refrigerating demand in each compartment	Maximum refrigerating demand in compartment 1						Maximum refrigerating demand in compartment 2					
	Refr./heat. demand	Tempe-ratures	Required rel. run. times	Available effect. refr. capacity	Internal length	Internal width	Refr./heat. demand	Tempe-ratures	Required rel. run. times	Available effect. refr. capacity	Internal length	Internal width
Compartment 1	2 036 W	0 °C	46%	3 770 W	7,10 m	0,83 m	-18 W	12 °C	0%	0 W	2,56 m	0,83 m
Compartment 2	-1 149 W	20 °C	0%	0 W	8,30 m	1,58 m	2 762 W	0 °C	39%	7 160 W	8,30 m	1,58 m
Compartment 3	874 W	12 °C	15%	874 W		2,46 m	-982 W	20 °C	0%	0 W		2,46 m
Collective:	2 910 W		61%	4 644 W			2 762 W		39%	7 160 W		

Individual refrigerating demand in each compartment	Maximum refrigerating demand in compartment 3					
	Refr./heat. demand	Tempe-ratures	Required rel. run. times	Available effect. refr. capacity	Internal length	Internal width
Compartment 1	198 W	12 °C	4%	198 W	2,56 m	0,83 m
Compartment 2	-1 267 W	20 °C	0%	0 W	8,30 m	1,58 m
Compartment 3	3 228 W	0 °C	54%	5 708 W		2,46 m
Collective:	3 426 W		59%	5 905 W		

B3. Maximum collective refrigerating demand of all compartments

Maximum collective refrigerating demand	Refr./heat. demand	Tempe-ratures	Required rel. run. times	Available effect. refr. capacity	Internal length	Internal width
Compartment 1	198 W	12 °C	4%	198 W	2,56 m	0,83 m
Compartment 2	-1 267 W	20 °C	0%	0 W	8,30 m	1,58 m
Compartment 3	3 228 W	0 °C	54%	5 708 W		2,46 m
Collective:	3 426 W		59%	5 905 W		

B4. Maximum collective relative running time of all compartments

Maximum collective refrigerating demand	Refr./heat. demand	Tempe-ratures	Required rel. run. times	Available effect. refr. capacity
Compartment 1	2 036 W	0 °C	46%	3 767 W
Compartment 2	-1 115 W	20 °C	0%	0 W
Compartment 3	878 W	12 °C	15%	878 W
Collective:	2 914 W		61%	4 645 W

Nom de l'autorité compétente:

Internal Internal

0,83 m

7,10 m

2,46 m

**cemafrroid**

L'EXPERT DU FROID

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Le /on : 2025/12/02

L'autorité compétente / The competent authority  
Cemafrroid SAS  
Responsable ATP / Responsible for the ATP

Le Président de CEMAFROID SAS

TECNEA SAS représentée par son Président Gérald CAVALIER