

Inland vessels CEMT classes

The internal or river shipping is divided into CEMT classes in Europe to match the dimensions of waterways in Western Europe. The class format was determined in 1992 by the Conférence Européenne des Ministres de transport (hence the term CEMT Class). The maximum dimensions of the ship are fixed Per class. This will immediately clear which bridges are navigable or not, and which channels and rivers can be sailed or not because of draught and manoeuvrability.

The format runs from 0 to VIIa. The names of the ship type are taken from the ship for which the dimensions of the fairway are suitable.

CEMT- Class	type	length	breath	draft loaded	Air draft ballast/loaded	deadweight (ton)
0	Smaller vessels					<250
I	Spits	38,50	5,05	2,5	4,65/3,35	251-400
II	Kempenaar	50-55	6,6	2,6	5,8/4,6	401-650
III	Hagenaar	55-70	7,2	2,6	6,3/5,1	651-800
III	Dortmund-Eems channel ship	67-73	8,2	2,7	6,3/5,1	901-1050
III	Expanded. Dortmund-Eems channel ship	80-85	8,2	2,7	6,3/5,1	1051-1250
IVa	Rijn-Herne channel ship	80-105	9,5	2,9	6,7/5,3	1251-1750
IVa	Expanded Rijn-Herne channel ship	105	9,5	3,0	6,7/5,3	1751-2050
Va	Large Rhine ship	110	11,4	3,5	7,1/5,4	2051-3300
Va	Expanded Large Rhine ship	135	11,4	4,0	7,1/5,4	3301-4000
Vb	Push convoy with 1×2 barges in line	170-190	11,4	3,5-4,0	9,1	3951-7050
VIa	Max sized ship	110	13,5	4,0	7-9,1	4001-4300
VIa	Max sized ship	135	14,20	4,0	7-9,1	4301-5600
VIa	Rhinemax ship	135	17,0	4,0	7-9,1	>5601
VIb	Push convoy with 2×2 barges side by side	185-195	22,8	3,5-4,0	7-9,1	6400-12000
VIc	Push convoy with 3×2 barges side by side	270	22,8	3,5-4,0	9,1	9600-18000
VIIa	Push convoy with 2×3 barges side by side	195	34,2	3,5-4,0	9,1	14500-27000