

PIANC

The World Association for
Waterborne Transport Infrastructure



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PIANC
Setting the course

Canal Seine Nord Europe Moislains Lock



Canal Seine Nord Europe Moislains Lock



Moislains Lock Seine Nord Europe Canal (lift height 30 m)

L=195 m B=12.5 m 5 saving basins

Filling and emptying Time

	1D Math. model	Scale model (1/25)	Difference	%
Filling	13' 24"	12' 53"	- 31"	4%
Emptying	14'	13' 14"	- 46"	5.5%

Canal Seine Nord Europe Moislains Lock



Montmacq Lock Seine Nord Europe Canal (lift height 6.41 m)

L=220 m B=12.5 m no saving basin

Comparison of 1D mathematical models

	Software 1	Software 2	Difference	%
Filling	449 s	495 s	46'	10%

