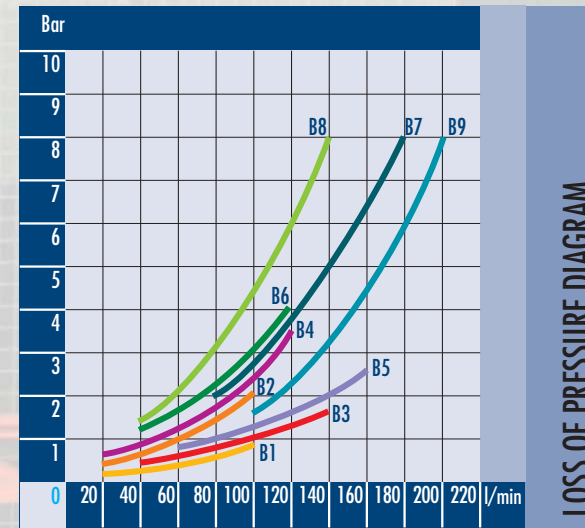
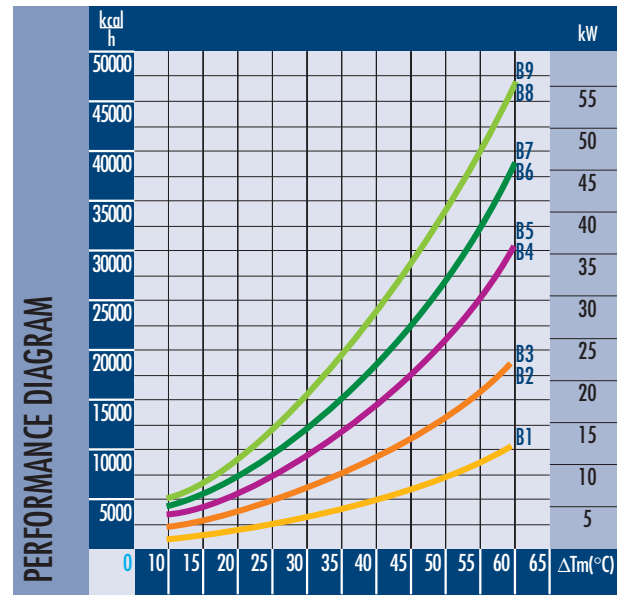


inspectable  
water side

# MS 84/2 B marine use



This version is recommended for a use with sea water. These exchangers are built with the following materials:

- Tube bundle: Coppernickel 90/10
- Shell: steel
- Tube plates: brass
- Heads: bronze

As sea water is full of impurities, this series of exchangers can be checked from the water side; after the disassembly of the two heads it is possible to check inside the tubes and to clean them.

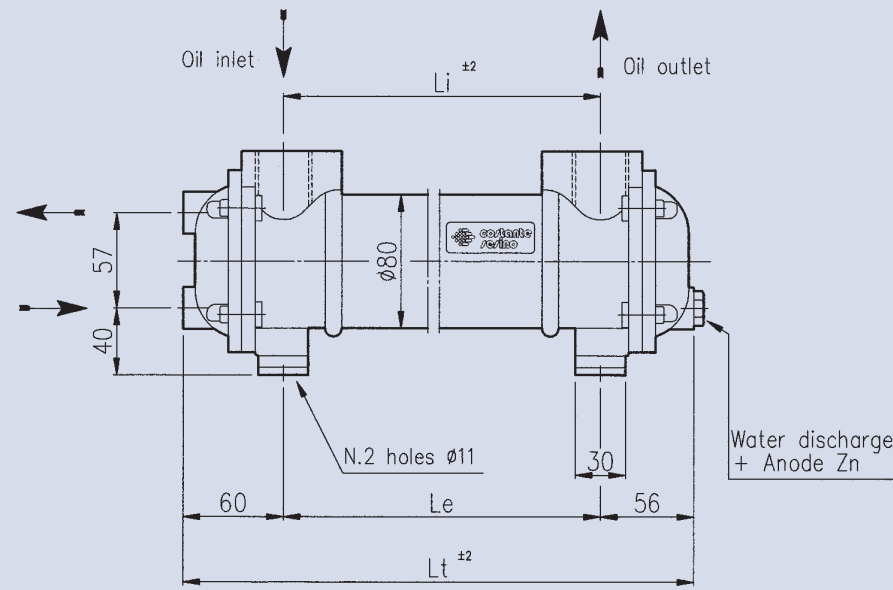
To avoid any form of corrosion, it is necessary that the cooling water rate be between the following values:

MS 84/2 30-80 l/min      MS 134 35-100 l/min

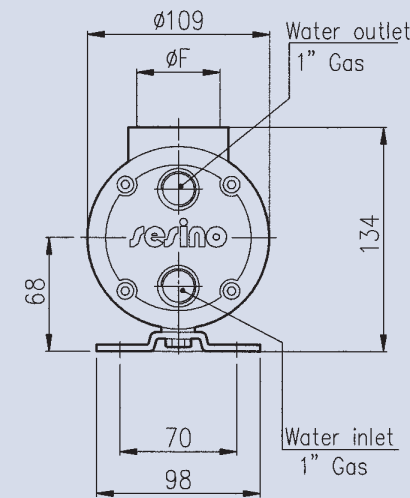
If such values do not provide a good thermic yield, please consult our Technical Department. The exchangers with tube nest can be used with other fluids where compatibility with copper and its alloys, is necessary. For every application, with the exception of oil cooling, it is recommended to consult our Technical Department.

cSt	22	30	46	68	100	150	220
f	0,4	0,6	1	1,5	2,3	3,3	4,6

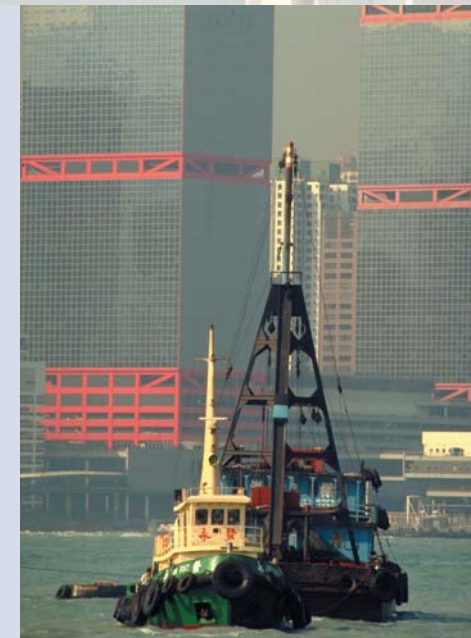
### CORRECTION FACTOR



Head gaskets: OR Ø 78x2,5



Dimensions and technical characteristics are not binding



Type	Oil flow	kW dissipated with oil	Weight	Dimensions			
	l/min	= 50°C, 46 cSt, H <sub>2</sub> O= 15°C	kg	Ø F	l	Le	Lt
MS 84/2 B1	30 - 80	4 - 4,5	4,5	1" gas	150	150	270
MS 84/2 B2	20 - 60	7 - 8,0	6,3	1" gas	310	310	430
MS 84/2 B3	50 - 100	7 - 8,0	6,5	1" 1/2 gas	310	325	445
MS 84/2 B4	30 - 80	14 - 16,0	9,0	1" gas	560	560	680
MS 84/2 B5	80 - 130	14 - 16,0	9,0	1" 1/2 gas	560	575	695
MS 84/2 B6	40 - 90	17 - 20,0	10,8	1" 1/2 gas	715	730	850
MS 84/2 B7	100 - 160	17 - 20,0	10,8	1" 1/2 gas	715	730	850
MS 84/2 B8	60 - 110	20 - 23,0	12,3	1" 1/2 gas	870	885	1.005
MS 84/2 B9	140 - 190	20 - 23,0	12,3	1" 1/2 gas	870	885	1.005

TABLE