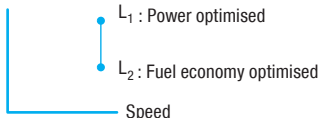


# MAN B&W K90MC-S



## Site Rating



Bore 900 mm, Stroke: 2,300 mm

## Power and Heat Rate

Speed	r/min	107.1				109.1			
Frequency	Hz	50				60			
Layout points	L <sub>1</sub>		L <sub>2</sub>		L <sub>1</sub>		L <sub>2</sub>		
	kW <sub>m</sub>	kW <sub>e</sub>	kW <sub>m</sub>	kW <sub>e</sub>	kW <sub>m</sub>	kW <sub>e</sub>	kW <sub>m</sub>	kW <sub>e</sub>	
7 K90MC-S	31,080	30,300	24,850	24,230	31,640	30,850	25,340	24,705	
8 K90MC-S	35,520	34,630	26,800	26,130	36,160	35,255	28,960	28,235	
9 K90MC-S	39,960	38,960	31,950	31,150	40,680	39,660	32,580	31,765	
10 K90MC-S	44,400	43,290	35,500	34,610	45,200	44,070	36,200	35,295	
11 K90MC-S	48,840	47,620	39,050	38,075	49,720	48,475	39,820	38,825	

Speed	r/min	103.4				102.9			
12 K90MC-S	51,480	50,193	41,160	40,131	51,240	49,959	40,920	39,897	

## Heat Rate at MCR

7-12 cyl:

kJ/kWh <sub>m</sub>	7,344	7,088	7,344	7,088
kJ/kWh <sub>e</sub>	7,532	7,270	7,532	7,270

## With TCS

Up to 4% heat rate reduction is obtainable depending on actual site ambient conditions.

## Lubricating and Cylinder Oil Consumption

Lubricating oil consumption	0.3 - 0.6 kg/cyl.h
Cylinder oil consumption	0.6 - 1.2 g/kWh



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