

Wärtsilä RT-flex96C

IMO Tier I and Tier II

Main data: Version B, also available as traditional RTA type

Cylinder bore.....	960 mm	Fuel specification:	
Piston stroke.....	2500 mm	Fuel oil	700 cSt/50°C
Speed.....	92 - 102 rpm		ISO-F 8217:2005,
Mean effective pressure at R1.....	18.6 bar		category ISO-RMK700
Piston speed.....	8.5 m/s		

Rated power, principal dimensions and weights

Cyl.	Output in kW at				Length A mm	Weight tonnes
	102 rpm		92 rpm			
	R1	R2	R3	R4		
6	34 320	24 000	30 960	24 000	12 240	1 160
7	40 040	28 000	36 120	28 000	13 920	1 290
8	45 760	32 000	41 280	32 000	16 510	1 470
9	51 480	36 000	46 440	36 000	18 190	1 620
10	57 200	40 000	51 600	40 000	19 870	1 760
11	62 920	44 000	56 760	44 000	21 550	1 910
12	68 640	48 000	61 920	48 000	23 230	2 050
13	74 360	52 000	67 080	52 000	24 910	2 160
14	80 080	56 000	72 240	56 000	26 590	2 300

Dimensions mm	B	C	D	E	F*	G
	4 480	1 800	10 925	5 380	12 950	2 594

Brake specific fuel consumption (BSFC) in g/kWh

Full load					
Rating point		R1	R2	R3	R4
BMEP, bar		18.6	13.0	18.6	14.4
IMO Tier I	RTA	171	163	171	164
	RT-flex	Standard Tuning		171	164
IMO Tier II	RTA	177	171	177	171
	RT-flex	Standard Tuning**		173	167

Part load, % of R1	85	70	85	70	60
RT-flex tuning variant	Standard	Standard	Delta	Delta	Low-Load
IMO Tier I	165.9	165.2	165.2	163.0	160.3
IMO Tier II**	169.8	169.0	169.1	167.5	166.5

* Standard piston dismantling height, can be reduced with tilted piston withdrawal.

** These BSFC values are for engines equipped with the latest high-efficiency turbochargers. Application of the previous generation of turbochargers leads to BSFC values that are 2g/kWh higher.

13- and 14-cylinder engines are only available in RT-flex versions, and not in RTA versions.

For definitions see page 56.

