

WÄRTSILÄ RT-flex84T

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

Cylinder bore..... 840 mm
 Piston stroke..... 3150 mm
 Speed..... 61–76 rpm
 Mean effective pressure at R1..... 19.0 bar
 Piston speed..... 8.0 m/s

Fuel specification:
 Fuel oil..... 730 cSt/50°C
 7200 sR1/100°F
 ISO 8217, category ISO-F-RMK 55

Rated power: Propulsion engines

Cyl.	Output in kW/bhp at							
	76 rpm				61 rpm			
	R1		R2		R3		R4	
	kW	bhp	kW	bhp	kW	bhp	kW	bhp
5	21 000	28 575	14 700	20 000	16 850	22 900	14 700	20 000
6	25 200	34 290	17 640	24 000	20 220	27 480	17 640	24 000
7	29 400	40 005	20 580	28 000	23 590	32 060	20 580	28 000
8	33 600	45 720	23 520	32 000	26 960	36 640	23 520	32 000
9	37 800	51 435	26 460	36 000	30 330	41 220	26 460	36 000

Brake specific fuel consumption (BSFC)

	g/kWh	g/bhph	g/kWh	g/bhph	g/kWh	g/bhph	g/kWh	g/bhph
Load 100%	167	123	160	118	167	123	164	121
BMEP, bar	19.0		13.3		19.0		16.6	

Principal engine dimensions (mm) and weights (tonnes)

Cyl.	A	B	C	D	E	F*	G	I	K	Weight
5	8 890	5 000	1 800	12 150	5 105	14 500	2 700	760	805	740
6	10 390	5 000	1 800	12 150	5 105	14 500	2 700	760	805	870
7	11 890	5 000	1 800	12 150	5 105	14 500	2 700	760	805	990
8	14 390	5 000	1 800	12 150	5 105	14 500	2 700	760	805	1 140
9	15 890	5 000	1 800	12 150	5 105	14 500	2 700	760	805	1 260

* Standard piston dismantling height, can be reduced with tilted piston withdrawal.
 Wärtsilä RT-flex engines are available with Delta Tuning for lower part-load fuel consumptions.
 For definitions see page 54.

