

WÄRTSILÄ RT-flex50

Main data: Version D

Cylinder bore.....500 mm
 Piston stroke.....2050 mm
 Speed.....99–124 rpm
 Mean effective pressure at R1.....21.0 bar
 Piston speed.....8.5 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							
	124 rpm				99 rpm			
	R1		R2		R3		R4	
	kW	bhp	kW	bhp	kW	bhp	kW	bhp
5	8 725	11 875	6 100	8 300	6 975	9 500	6 100	8 300
6	10 470	14 250	7 320	9 960	8 370	11 400	7 320	9 960
7	12 215	16 625	8 540	11 620	9 765	13 300	8 540	11 620
8	13 960	19 000	9 760	13 280	11 160	15 200	9 760	13 280

Brake specific fuel consumption (BSFC)

	g/kWh	g/bhph	g/kWh	g/bhph	g/kWh	g/bhph	g/kWh	g/bhph
Load 100%	169	124	163	120	169	124	165	121
BMEP, bar	21.0		14.7		21.0		18.4	

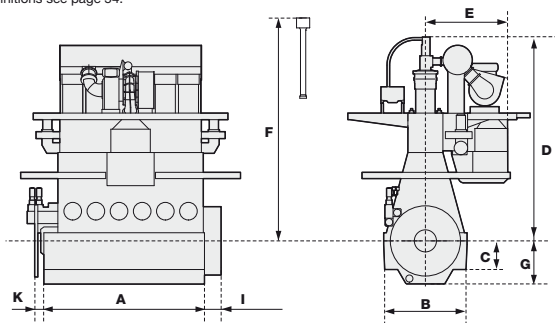
Principal engine dimensions (mm) and weights (tonnes)

Cyl.	A	B	C	D	E	F*	G	I	K	Weight
5	5 227	3 150	1 088	7 646	3 300	9 270	1 636	631	355	200
6	6 107	3 150	1 088	7 646	3 300	9 270	1 636	631	355	225
7	6 987	3 150	1 088	7 646	3 300	9 270	1 636	631	355	255
8	7 867	3 150	1 088	7 646	3 300	9 270	1 636	631	355	280

* 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.



WÄRTSILÄ RT-flex50

Main data: Version B

Cylinder bore.....500 mm
 Piston stroke.....2050 mm
 Speed.....99–124 rpm
 Mean effective pressure at R1.....20.0 bar
 Piston speed.....8.5 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							
	124 rpm				99 rpm			
	R1		R2		R3		R4	
	kW	bhp	kW	bhp	kW	bhp	kW	bhp
5	8 300	11 300	5 800	7 900	6 650	9 050	5 800	7 900
6	9 960	13 560	6 960	9 480	7 980	10 860	6 960	9 480
7	11 620	15 820	8 120	11 060	9 310	12 670	8 120	11 060
8	13 280	18 080	9 280	12 640	10 640	14 480	9 280	12 640

Brake specific fuel consumption (BSFC)

	g/kWh	g/bhph	g/kWh	g/bhph	g/kWh	g/bhph	g/kWh	g/bhph
Load 100%	171	126	165	121	171	126	167	123
BMEP, bar	20.0		13.9		20.0		17.5	

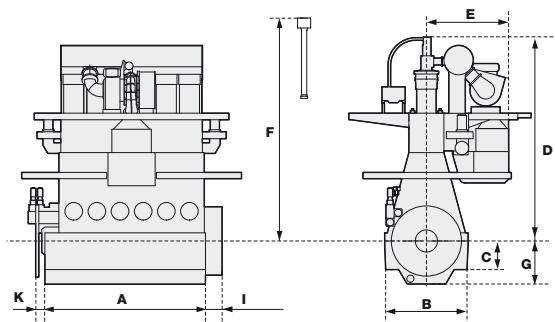
Principal engine dimensions (mm) and weights (tonnes)

Cyl.	A	B	C	D	E	F*	G	I	K	Weight
5	5 227	3 150	1 088	7 646	3 300	9 270	1 636	631	355	200
6	6 107	3 150	1 088	7 646	3 300	9 270	1 636	631	355	225
7	6 987	3 150	1 088	7 646	3 300	9 270	1 636	631	355	255
8	7 867	3 150	1 088	7 646	3 300	9 270	1 636	631	355	280

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

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For definitions see page 54.



WÄRTSILÄ RT-flex50

Main data

Cylinder bore.....500 mm
 Piston stroke.....2050 mm
 Speed.....99–124 rpm
 Mean effective pressure at R1.....19.5 bar
 Piston speed.....8.5 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							
	124 rpm				99 rpm			
	R1		R2		R3		R4	
	kW	bhp	kW	bhp	kW	bhp	kW	bhp
5	8 100	11 000	5 650	7 700	6 500	8 800	5 650	7 700
6	9 720	13 200	6 780	9 240	7 800	10 560	6 780	9 240
7	11 340	15 400	7 910	10 780	9 100	12 320	7 910	10 780
8	12 960	17 600	9 040	12 320	10 400	14 080	9 040	12 320

Brake specific fuel consumption (BSFC)

	g/kWh	g/bhph	g/kWh	g/bhph	g/kWh	g/bhph	g/kWh	g/bhph
Load 100%	171	126	165	121	171	126	167	123
BMEP, bar	19.5		13.6		19.5		17.1	

Principal engine dimensions (mm) and weights (tonnes)

Cyl.	A	B	C	D	E	F*	G	I	K	Weight
5	5 227	3 150	1 088	7 646	3 300	9 270	1 636	631	355	200
6	6 107	3 150	1 088	7 646	3 300	9 270	1 636	631	355	225
7	6 987	3 150	1 088	7 646	3 300	9 270	1 636	631	355	255
8	7 867	3 150	1 088	7 646	3 300	9 270	1 636	631	355	280

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