

WÄRTSILÄ RT-flex68

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

Cylinder bore.....	680 mm	Fuel specification:	
Piston stroke.....	2720 mm	Fuel oil.....	730 cSt/50°C
Speed.....	76–95 rpm		7200 sR1/100°F
Mean effective pressure at R1.....	20.0 bar	ISO 8217, category	ISO-F-RMK 55
Piston speed.....	8.6 m/s		

Rated power: Propulsion engines

Cyl.	Output in kW/bhp at							
	95 rpm				76 rpm			
	R1		R2		R3		R4	
	kW	bhp	kW	bhp	kW	bhp	kW	bhp
5	15 650	21 275	10 950	14 900	12 500	17 000	10 950	14 900
6	18 780	25 530	13 140	17 880	15 000	20 400	13 140	17 880
7	21 910	29 785	15 330	20 860	17 500	23 800	15 330	20 860
8	25 040	34 040	17 520	23 840	20 000	27 200	17 520	23 840

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	161	118	169	124	165	121
BMEP, bar	20.0		14.0		20.0		17.5	

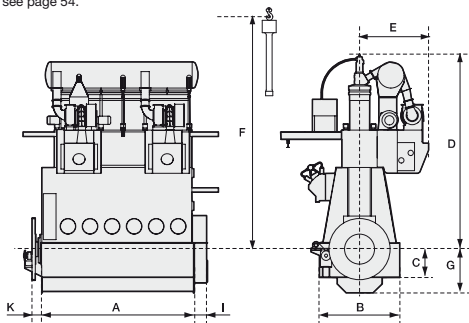
Principal engine dimensions (mm) and weights (tonnes)

Cyl.	A	B	C	D	E	F*	G	I	K	Weight
5	7 005	4 300	1 520	10 400	4 490	12 545	2 340	789	525	412
6	8 185	4 300	1 520	10 400	4 490	12 545	2 340	789	525	472
7	9 365	4 300	1 520	10 400	4 490	12 545	2 340	789	525	533
8	10 545	4 300	1 520	10 400	4 490	12 545	2 340	789	525	593

* 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-flex68

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

Cylinder bore..... 680 mm

Piston stroke..... 2720 mm

Speed..... 76–95 rpm

Mean effective pressure at R1..... 19.6 bar

Piston speed..... 8.6 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							
	95 rpm				76 rpm			
	R1		R2		R3		R4	
	kW	bhp	kW	bhp	kW	bhp	kW	bhp
5	15 350	20 875	10 750	14 625	12 250	16 650	10 750	14 625
6	18 420	25 050	12 900	17 550	14 700	19 980	12 900	17 550
7	21 490	29 225	15 050	20 475	17 150	23 310	15 050	20 475
8	24 560	33 400	17 200	23 400	19 600	26 640	17 200	23 400

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	161	118	169	124	165	121
BMEP, bar	19.6		13.7		19.6		17.2	

Principal engine dimensions (mm) and weights (tonnes)

Cyl.	A	B	C	D	E	F*	G	I	K	Weight
5	7 005	4 300	1 520	10 400	4 490	12 545	2 340	789	525	412
6	8 185	4 300	1 520	10 400	4 490	12 545	2 340	789	525	472
7	9 365	4 300	1 520	10 400	4 490	12 545	2 340	789	525	533
8	10 545	4 300	1 520	10 400	4 490	12 545	2 340	789	525	593

* 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.

