

# WÄRTSILÄ RT-flex58T

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

Cylinder bore.....580 mm  
 Piston stroke.....2416 mm  
 Speed.....84–105 rpm  
 Mean effective pressure at R1.....20.2 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							
	105 rpm				84 rpm			
	R1		R2		R3		R4	
	kW	bhp	kW	bhp	kW	bhp	kW	bhp
5	11 300	15 375	7 900	10 750	9 050	12 300	7 900	10 750
6	13 560	18 450	9 480	12 900	10 860	14 760	9 480	12 900
7	15 820	21 525	11 060	15 050	12 670	17 220	11 060	15 050
8	18 080	24 600	12 640	17 200	14 480	19 680	12 640	17 200

## Brake specific fuel consumption (BSFC)

	g/kWh	g/bhph	g/kWh	g/bhph	g/kWh	g/bhph	g/kWh	g/bhph
Load 100%	170	125	162	119	170	125	166	122
BMEP, bar	20.2		14.1		20.2		17.7	

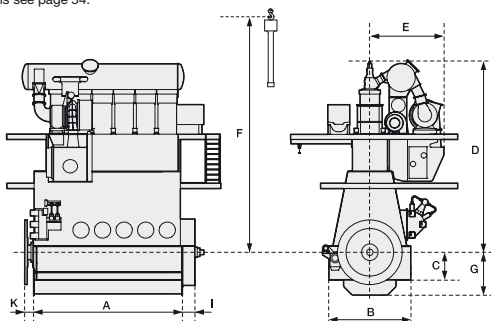
## Principal engine dimensions (mm) and weights (tonnes)

Cyl.	A	B	C	D	E	F*	G	I	K	Weight
5	5 981	3 820	1 300	8 810	3 475	10 880	2 000	604	400	281
6	6 987	3 820	1 300	8 810	3 475	10 880	2 000	604	400	322
7	7 993	3 820	1 300	8 810	3 475	10 880	2 000	604	400	377
8	8 999	3 820	1 300	8 810	3 475	10 880	2 000	604	400	418

\* 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-flex58T

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

Cylinder bore.....580 mm

Piston stroke.....2416 mm

Speed.....84–105 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							
	105 rpm				84 rpm			
	R1		R2		R3		R4	
	kW	bhp	kW	bhp	kW	bhp	kW	bhp
5	10 900	14 825	7 650	10 400	8 700	11 850	7 650	10 400
6	13 080	17 790	9 180	12 480	10 440	14 220	9 180	12 480
7	15 260	20 755	10 710	14 560	12 180	16 590	10 710	14 560
8	17 440	23 720	12 240	16 640	13 920	18 960	12 240	16 640

## Brake specific fuel consumption (BSFC)

	g/kWh	g/bhph	g/kWh	g/bhph	g/kWh	g/bhph	g/kWh	g/bhph
Load 100%	170	125	162	119	170	125	166	122
BMEP, bar	19.5		13.7		19.5		17.1	

## Principal engine dimensions (mm) and weights (tonnes)

Cyl.	A	B	C	D	E	F*	G	I	K	Weight
5	5 981	3 820	1 300	8 810	3 475	10 880	2 000	604	400	281
6	6 987	3 820	1 300	8 810	3 475	10 880	2 000	604	400	322
7	7 993	3 820	1 300	8 810	3 475	10 880	2 000	604	400	377
8	8 999	3 820	1 300	8 810	3 475	10 880	2 000	604	400	418

\* 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.

