

WÄRTSILÄ 46F

Main data

Cylinder bore.....	460 mm	Fuel specification:	
Piston stroke.....	580 mm	Fuel oil	730 cSt/50 °C
Cylinder output.....	1250 kW/cyl		7200 sR1/100 °F
Speed.....	600 rpm	ISO 8217, category	ISO-F-RMK 700
Mean effective pressure	25.9 bar	SFOC	170–173 g/kWh
Piston speed.....	11.6 m/s		at ISO condition

Options: Twin plunger injection pumps instead of common rail fuel injection, humidification of combustion air for NO_x reduction, variable inlet valve closure.

Rated power

Engine type	1250 kW/cyl	
	kW	bhp
6L46F	7 500	10 200
7L46F	8 750	11 900
8L46F	10 000	13 600
9L46F	11 250	15 300
12V46F	15 000	20 400
16V46F	20 000	27 200

Dimensions (mm) and weights (tonnes)

Engine type	A*	A	B	C	D	F	Weight
6L46F	8 430	8 620	3 500	2 930	3 750	1 430	97
7L46F	9 260	9 440	3 800	2 950	3 750	1 430	113
8L46F	10 080	10 260	3 800	2 950	3 750	1 430	124
9L46F	10 900	11 080	3 800	2 950	3 750	1 430	140
12V46F	11 080	11 150	3 820	4 050	3 800	1 620	178
16V46F	13 350	13 550	4 350	4 720	3 800	1 620	230

* Turbocharger at flywheel end.
For definitions see page 61.

