

WÄRTSILÄ GENSET 38

Main data

Cylinder bore.....	380 mm	Fuel oil specification:	
Piston stroke.....	475 mm	730 cSt/50°C	
Cylinder output.....	725 kW/cyl	7200 sR1/100°F	
Engine speed.....	600 rpm	ISO 8217, category ISO-F-RMK 700	
Mean effective pressure.....	26.9 bar	SFOC 175–179 g/kWh at ISO condition	
Piston speed.....	9.5 m/s		
Generator voltage.....	0.4–13.8 kV		
Generator efficiency.....	0.96–0.98		

Option:

Common rail fuel injection.

Rated power

Engine type	50 Hz, 60 Hz	
	Eng. kW	Gen. kW
6L38	4 350	4 200
8L38	5 800	5 600
9L38	6 525	6 300
12V38	8 700	8 400
16V38	11 600	11 200

Generator output based on a generator efficiency of 96.5%.

Dimensions (mm) and weights (tonnes)

Engine type	A*	E*	I*	K	L*	Weight*
6L38	9 600	2 900	1 655	3 135	4 485	90
8L38	12 000	2 900	1 705	3 135	4 475	110
9L38	12 300	3 100	1 805	3 135	4 575	130
12V38	11 900	3 600	2 015	2 855	4 945	160
16V38	13 300	3 800	2 015	2 855	5 120	200

* Dependent on generator type and size.

For definitions see page 87.

