

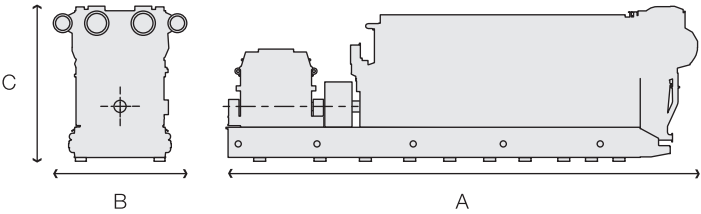
Main technical data

Engine generating set				
Cylinder configurations	18V			
Cylinder bore	500 mm			
Piston stroke	580 mm			
Engine speed	500 rpm (50 Hz), 514 rpm (60 Hz)			
Performance ¹				
	WÄRTSILÄ 18V50DF, GAS		WÄRTSILÄ 18V50DF, LFO	
Rated electrical power (kW)	17 635 (50 Hz)	18 190 (60 Hz)	17 635 (50 Hz)	18 190 (60 Hz)
Electrical efficiency (%)	49.4 (50 Hz)	49.3 (60 Hz)	48.2 (50 Hz)	47.7 (60 Hz)
Heat rate (kJ/kWh)	7 285 (50 Hz)	7 305 (60 Hz)	7 474 (50 Hz)	7 545 (60 Hz)
Loading and unloading				
	Connected to grid		Full load	
Regular start time (min:sec)	00:30		< 5:00	
Fast start time (min:sec)	00:30		< 2:00	
Shut-down time (min)	1			
Ramp rate (hot, load /min)	> 100%			
Minimum load				
Unit level	10%			
Plant level	Equal to minimum load of one unit			

Maximum transportation dimensions (mm) and weight (tonnes) ²				
Genset type	Length (A)	Width (B)	Height (C)	Dry weight
18V50DF	18 747	5 543	6 257	377

1 Rated electrical power and electrical efficiencies are given at generator terminals at 100kPa ambient pressure, 25°C suction air temperature and 30% relative humidity, and without engine driven pumps. Power factor 1.0 (site). NOx emission level 90ppm @15% O2 dry. Electrical efficiency and heat rate with 5% tolerance. Gas LHV >28MJ/Nm3. Gas methane number >80. Site conditions, fuel and applicable emission limits may have an impact on performance figures. Please contact Wärtsilä for project-specific performance data.

2 There are a number of dismantling options available for transportation of the generator set. These include different options for reduced weight and height. Please contact Wärtsilä for further information.



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